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Groundwater Monitoring Report

Columbia Fuel Fabrication Facility
Hopkins, Richland County, South Carolina

Westinghouse Electric Company, LLC

Project Number: 60700386

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Acronyms

AECOM	AECOM Technical Services, Inc.
AOC	Area of Concern
CA	Consent Agreement
CFFF	Columbia Fuel Fabrication Facility
cis-1,2 DCE	cis-1,2-dichloroethene
COPC	constituent(s) of potential concern
CVOC	chlorinated volatile organic compound
DHEC	South Carolina Department of Health and Environmental Control
EPA	United States Environmental Protection Agency
µg/L	micrograms per liter
MCL	maximum contaminant level
MDC	minimum detectible concentration
mg/L	milligram per liter
MSL	mean sea level
NPDES	National Pollution Discharge Elimination System
OU	Operational Unit
PCE	tetrachloroethylene
pCi/L	picocuries per liter
RI	remedial investigation
RSL	Regional Screening Level
SCRDI	SCRDI Bluff Road
Tc-99	Technetium-99
TCE	trichloroethylene
U	uranium
VC	vinyl chloride
Westinghouse	Westinghouse Electric Company, LLC
WLII	West Lagoon II
WWTP	wastewater treatment plant

1. Introduction

Westinghouse Electric Company, LLC (Westinghouse) Columbia Fuel Fabrication Facility (CFFF) is located at 5801 Bluff Road (site or property) in Hopkins, approximately 15 miles southeast of Columbia, South Carolina (**Figure 1**). The site includes approximately 1,151 acres, with the developed area encompassing approximately 75 acres centrally located on the site, thereby creating substantial buffers from adjoining properties. The property is surrounded by rural forested and agricultural property. CFFF was opened in 1969 and manufactures fuel assemblies and components for the commercial nuclear power industry. Site features are shown on **Figure 2**, the wastewater permitted areas are shown on **Figure 3**, and monitoring well locations are displayed on **Figure 4**.

On February 26, 2019, the South Carolina Department of Health and Environmental Control (DHEC) and CFFF entered into Consent Agreement (CA) 19-02-HW to comprehensively assess potential environmental impacts from current and historical operations, including additional assessment of known impacts. The CA requires further assessment and potential remediation of known constituents of potential concern (COPC) and assessment of additional areas where releases may have occurred.

Remedial investigation (RI) work was conducted by AECOM Technical Services, Inc. (AECOM) from June 2019 through October 2022 to assess the source, nature, and extent of historic impacts from CFFF operations. This work resulted in the installation of 57 additional surficial aquifer monitoring wells (W-69 through W-126), one replacement monitoring well W-4R, and one piezometer (PZ-1). The source, nature and extent of these impacts were well defined by the RI, remain well within the facility property boundary and are anticipated to remain within the property boundary for the foreseeable future. No additional or ongoing releases were identified during the RI. The final Remedial Investigation report was submitted to DHEC on February 28, 2023 (AECOM, 2023) and approved by DHEC on March 23, 2023.

In addition to the comprehensive RI assessment completed since 2019, Westinghouse would like to highlight the numerous environmental risk reduction and improvement activities it has undertaken over the past several years. For example, Westinghouse has:

- Eliminated a nickel plating operation;
- Eliminated use of tetrachloroethylene (PCE) and replaced it with a non-hazardous material;
- Completed a Technetium-99 (Tc-99) source investigation study (Leidos, 2020) which determined current site operations do not have the potential to introduce quantities of Tc-99 above its maximum contaminant level (MCL) into the environment;
- Re-designed the HF Spiking Stations;
- Installed a sentinel groundwater monitoring well network in the Chemical Area Operational Unit (OU);
- Removed the intermodal storage containers with radiological materials from the Southern Storage Area and remediated soils impacted above residential screening levels beneath the containers;
- Eliminated sources of potential storm water contamination by removing out of service equipment on the manufacturing building roof;
- Removed the East Lagoon from service, excavated and properly disposed of lagoon materials, and restored the former lagoon footprint to a vegetated surface;
- Listened to external and local stakeholder input to re-focus site community outreach and engagement initiatives;
- Completed a cultural resource survey, approved by the South Carolina Historic Preservation Office, which determined there are no significant historic or cultural resources at the site;
- Implemented an underground piping integrity program;
- Implemented improved lagoon maintenance strategies;
- Completed Sanitary Lagoon sludge characterization activities as preparation for future lagoon closure; and

- Completed seismic upgrades to its Uranyl Nitrate Bulk Storage Tanks.

DHEC also conducted an assessment of potential CFFF impacts to fish in the Congaree River. DHEC's *Uranium and Fluoride in Fish from the Congaree River Technical Report No. 007-2020* dated May 2020 concluded:

> "Overall, within the context of the point in time of sample collection, target species and analytical methods, no signal for uranium from the Westinghouse Nuclear Fuels (WNF) facility was discerned. A slight, apparent signal for fluoride was observed from the WNF facility but it was not overall statistically significant from the other locations. The target species, as indicated by the noted limitations, were indicated to be healthy from an ecological viewpoint and safe for human consumption from a public health protection viewpoint."

CFFF also performs routine environmental monitoring of gaseous and liquid effluents, surface water, groundwater, sediment, soil, vegetation, and Congaree River fish tissue in addition to the activities being performed under the CA.

The focus of this report is groundwater sampling completed during October 2023 to meet the ongoing groundwater monitoring requirements of the recently reissued National Pollution Discharge Elimination System (NPDES) Permit SC0001848 (effective November 1, 2023) and the CA between DHEC and CFFF. Because the *2022/2023 Annual Groundwater Monitoring Report* (AECOM, 2023) was submitted in September 2023, this report only includes one semiannual groundwater sampling campaign. Details regarding the groundwater sample collection and QA/QC procedures are contained within the AECOM *Final Remedial Investigation Work Plan* dated June 2019 (AECOM, 2019a).

This report provides an overview of the site (**Section 1**), describes the sampling activities (**Section 2**), and presents the groundwater analytical results (**Section 3**). Conclusions and recommendations based on the results are discussed in **Section 4**. Cited references are provided in **Section 5**.

1.1 Site Location and Physical Setting

Figures 1 through 4 illustrate the site features discussed below. The primary plant building is located approximately 2,700 feet southwest of Bluff Road on the northern portion of the property. The wastewater treatment plant (WWTP) is located near the southwest corner of the plant building. Wastewater is transported by underground conveyances from the plant building along its southern and western sides to sumps in the northern portion of the WWTP. Additional underground conveyances are located along the southern end of the Sanitary Lagoon and between the North and South Lagoons. With the exception of the underground conveyances above, the remaining wastewater conveyances are above ground. Treated wastewater is piped to the Congaree River where it is discharged under NPDES permit SC0001848 from a diffuser located along the bottom of the river at a location approximately 3 miles south of the developed portion of the property.

The SCRDI Bluff Road site (formerly known as South Carolina Recycling and Disposal, Inc.) is located across Bluff Road from the northern property boundary. According to information on the internet (Justia US Law – law.justia.com, 2017), hazardous waste storage began on this property in late-1973 or early-1974, and operations ceased in 1982. This property was placed on the United States Environmental Protection Agency's (EPA) Superfund program's National Priority List in 1983. Releases at SCRDI are not known to have impacted CFFF.

The developed area of the property is approximately 130-140 feet above mean sea level (MSL). Elevations drop to approximately 110 feet above MSL immediately south of the plant/WWTP area, on the Congaree River floodplain and Mill Creek, a tributary of the Congaree River. The change in elevation occurs abruptly along a bluff that defines the southern edge of the developed portion of the property.

The Gator Pond is a manmade pond constructed prior to CFFF's development of the site. It is located approximately 500 feet southwest of the WWTP within a step-down area of the bluff (**Figures 2 and 4**). The pond does not have a constructed spillway and is fed by a combination of groundwater and precipitation. Water discharges from the pond through groundwater seepage or overland flow during periods of high precipitation.

Upper and Lower Sunset Lakes are located west and south of the Gator Pond and approximately 900 feet southwest of the WWTP (**Figures 2 and 4**). The Sunset Lakes are located within a natural oxbow of Mill Creek. A manmade dam approximately 1,700 feet south of the WWTP backs up water in Mill Creek, creating Lower Sunset Lake. A second manmade dam cuts across Mill Creek approximately 1,000 feet southwest of the WWTP, creating Upper Sunset Lake. The majority of the Mill Creek flow is diverted away from Sunset Lakes via the man-made canal (**Figure 2**) along the southern property boundary. A silty clay lines the bottom of Mill Creek, including Sunset Lakes, which inhibits the interaction of groundwater and surface water.

The southern portion of the property, including the Gator Pond, Mill Creek, and the Sunset Lakes are located within the floodplain of the Congaree River. Surface drainage at the site flows into several stormwater ditches across the property and surrounding areas. These ditches flow into Upper Sunset Lake.

1.2 Site Operational Background

The main manufacturing activity is the fabrication of low-enriched uranium (U) fuel assemblies and components for the commercial nuclear power industry. The manufacturing process generates multiple wastewater streams which are treated by various physical/chemical/biological processes including WWTP lagoons prior to discharge to the Congaree River under a NPDES permit issued by DHEC.

The current WWTP contains five lagoons: North Lagoon, South Lagoon, West Lagoon I, West Lagoon II, and the Sanitary Lagoon. The North, South, West I, and Sanitary Lagoons were constructed when the facility was built in the late1960s. West Lagoon II was added to the WWTP in 1977. The former East Lagoon was part of the original WWTP, was removed from use in 2020, and closure of this lagoon was achieved in 2021 in accordance with the DHEC approved East Lagoon Closure Plan (GEL, 2020).

Except for the Sanitary Lagoon, these lagoons are lined with an 80 mil textured geomembrane HDPE liner. The Sanitary Lagoon is lined with compacted clay. The lagoons are visually inspected annually for stability and liner integrity by a South Carolina registered professional engineer. The inspection results are compiled into a report and maintained in site records along with any maintenance activities undertaken to repair or maintain the lagoons.

Releases of COPCs have occurred from the wastewater treatment system and manufacturing operations. Specifically, fluoride and nitrate appear to have been released into the environment by the historical operations of the WWTP based upon the current extent of groundwater impact as documented in the *Final Remedial Investigation Report* (AECOM, 2023). Additionally, as described in the RI report, releases have occurred in the Chemical Area Operable Unit, including from the Contaminated Wastewater System. CFFF instituted an underground piping integrity program in 2018 to perform periodic inspections, maintenance and life cycle management of its underground piping. During January 2024 piping integrity maintenance inspections, damaged fittings on drain lines containing very low concentrations of U from the shower system were identified underneath the main manufacturing building. DHEC was notified and repairs were made. Per Part II Section L #6 of the NPDES permit, Westinghouse includes these maintenance issues in the appropriate monthly discharge monitoring report.

CFFF has assessed known releases, installed an extensive groundwater monitoring network (beginning in the early 1980s) and initiated various remediation efforts in response to the historic events. Additional comprehensive site assessment of groundwater, surface water, sediment and soils has also been completed from 2019 – 2022 under the CA. These assessment activities, documented in a *Final Remedial Investigation Report* (AECOM, 2023) approved by DHEC, have concluded that environmental impacts from historical operations are largely confined to the immediate plant area and there are no offsite impacts.

1.3 Facility Operational Units

The facility has been divided into eight OUs illustrated on **Figure 5** in recognition of the different types of site activities and potential sources of impact. The OUs are identified as the Northern Storage Area, Mechanical Area of the plant building, Chemical Area of the plant building, West Lagoons Area, Wastewater Treatment Area, Sanitary Lagoon Area, Southern Storage Area, and Western Storage Area. One area of concern (AOC), the “Western Groundwater AOC,” was previously identified; however, work conducted during the RI concluded the groundwater impact in this

area is part of the main chlorinated volatile organic compound (CVOC) plume. These OUs and the AOC were described in detail in the *Final Remedial Investigation Work Plan* dated June 2019 (AECOM, 2019a).

1.4 Geology and Hydrogeology

The CFFF is located in the Upper Coastal Plain physiographic province of South Carolina and is underlain by three hydrogeologic units: the surficial aquifer, Black Creek Aquifer, and Middendorf Aquifer.

Groundwater in the surficial aquifer occurs under unconfined (water table) conditions and generally flows from areas of higher topography in the vicinity of the plant building towards areas of lower topography in the floodplain of the Congaree River along Mill Creek. Although the river terrace sediment above and below the bluff were deposited during different time periods according to the Geologic Map of the Fort Jackson South Quadrangle (South Carolina Department of Natural Resources, 2011), the deposits are of similar lithology and are hydraulically connected based on data collected during the RI.

Surficial aquifer sediments generally occur to a depth of 30 to 40 feet below land surface, both above and below the bluff, and consist of clay, silt or silty sand at the surface coarsening downward to coarse sand and gravel on top of the Black Creek confining clay. Silt and clay lenses and lower permeability silty or clayey sands occur at varying depths with the coarsening downward sands of the surficial aquifer. One notable surficial aquifer total thickness anomaly was discovered during Phase I of the RI near the location of paired monitoring wells W-95 and W-111 (**Figure 4**) where there is over 80 feet of sediment above the Black Creek confining clay. Further assessment of this anomaly was performed during Phase II of the RI and indicated that the incisement into the Black Creek confining clay is localized to this area.

The elevation of the top of the Black Creek confining clay is undulating but is generally highest west of the plant building in the developed portion of the property and decreases radially in all directions with the lowest elevations being within the floodplain.

Groundwater monitoring wells were installed at differing depths to assess COPC migration within the surficial aquifer. Monitoring wells installed near the top or in the central portion of the surficial aquifer are designated as surficial aquifer - upper zone monitoring wells, whereas wells installed on top of or within 5 feet of the Black Creek confining clay are designated as surficial aquifer - lower zone monitoring wells. One exception to the criteria above is monitoring well W-95. This well is designated as a surficial aquifer – lower zone monitoring well because CVOCs migrating within the lower zone of the surficial aquifer are detected in groundwater from it and the Black Creek Formation is anomalously deep at this location.

There is a dynamic relationship between surface water in the ditches that transect the site above the bluff and groundwater in the upper zone of the surficial aquifer. The ditches continually or intermittently receive discharge of groundwater from the upper zone of the surficial aquifer depending on the elevation of the water table. The northern portions of the ditches are above the elevation of the seasonal high water table and thus the ditches at these locations are often dry. Runoff from precipitation that enters the dry portions of the ditches may infiltrate to the water table, temporarily recharging the surficial aquifer. Wetlands along the northern side of Bluff Road are also a source of surface water in the northern portion of the Eastern Ditch during high precipitation months. The southern portions of the ditches where the ditches are deeply incised are below the water table and groundwater discharges to these portions of the ditches throughout the year. Middle portions of the ditches may recharge the shallow aquifer during low water table conditions and may receive groundwater discharge during high water table conditions. Discharge of groundwater to the deeply incised portions of the ditches appears to influence groundwater flow and COPC migration within the upper zone of the surficial aquifer.

The predominant direction of groundwater flow in the surficial aquifer is to the southwest with components of flow to the south, southeast, west, and, to a lesser extent, the north. Based upon data collected during the RI, the lower zone of the surficial aquifer near West Lagoon II (WL II) acts as a hydraulic barrier due to low permeability, the Black Creek confining clay has a north-south trending ridge, and groundwater has a westerly component of flow. These factors combined result in groundwater flow and COPC migration in the surficial aquifer in this area to be both northerly and southerly.

The Gator Pond also influences COPC migration as evidenced by COPC impacts in surficial aquifer groundwater migrating in a more easterly or westerly direction in the vicinity of the Gator Pond. This surface water body has a

nearly constant elevation which creates a “groundwater mound” that deflects COPC migration to the east and west. Groundwater only discharges to the northeastern portion of the Gator Pond. Lower Sunset Lake also deflects groundwater but to a lesser extent than the Gator Pond because the low permeability clayey silt lining its bottom limits the amount of surface water seeping into the water table thereby creating a smaller “groundwater mound”.

The surficial aquifer is underlain by a confining unit composed of dry silt/clay and brittle shale of the upper Black Creek Formation. Previous well installations (W-3A, W-49 and W-50) and installation of monitoring well W-71 during Phase I of the RI (2019) indicate that the Black Creek confining clay ranges in thickness from 39 to 83 feet. Beneath the clay confining unit is a sand aquifer within the lower Black Creek Formation known as the Black Creek Aquifer. Groundwater flow in the Black Creek Aquifer is inferred to the southwest based upon groundwater elevations from the four monitoring wells that are screened within this aquifer.

The Middendorf Formation occurs below the Black Creek Formation. Sediments of the Middendorf Formation generally consist of multi-colored clay interbedded with fine to coarse grained sand. Subsurface investigations at CFFF have not extended into the Middendorf aquifer since there is no potential that it has been impacted. The Middendorf aquifer is unconformably underlain by bedrock.

Hydraulic characterization by AECOM estimated the average linear flow velocity in the surficial aquifer to be 0.41 feet per day or 150 feet per year (AECOM, 2023). Low moisture content and vertical hydraulic conductivities of less than 10^{-7} centimeters per second (S&ME, 1982) within the 39 to 83 foot thickness of the Black Creek confining clay preclude migration of groundwater between the surficial aquifer and the Black Creek Aquifer which in turn precludes potential migration to the Middendorf Aquifer.

2. Groundwater Monitoring

The current monitoring well network consists of 118 wells which are displayed on **Figure 4**. Construction details of the wells are summarized on **Table 1**. Fall 2023 semiannual sampling activities were completed during October 2023 by AECOM and CFFF personnel. Monitoring activities were conducted in accordance with the requirements of the site's NPDES permit and by the procedures described in the *Final Remedial Investigation Work Plan* (AECOM, 2019a).

The depth to water in the monitoring wells was measured using electronic water level meters on October 2, 2023. The water levels were converted to elevations and used to create potentiometric maps (**Figures 6 through 8**) of the aquifer zones discussed in **Section 3.1** below.

The monitoring wells were purged by low flow methodology using a peristaltic pump and water levels were monitored during purging. Groundwater quality indicator parameters of pH, specific conductance, dissolved oxygen, oxidation reduction potential, turbidity, and temperature were monitored during the groundwater purging process and recorded on the Groundwater Sampling Logs, which are included in **Appendix A**. AECOM and CFFF personnel use iPads and In-Situ's Aqua Troll 600s equipped with Bluetooth technology to electronically collect water quality parameters. Groundwater samples were collected once the parameters had stabilized in accordance with the low-flow sampling procedure in the *Final Remedial Investigation Work Plan* (AECOM, 2019a).

Upon collection, groundwater samples were labeled, preserved on ice, and kept under chain-of-custody protocol until received at the analytical laboratory. The groundwater samples were analyzed by one of the following DHEC certified laboratories: 1) Pace Analytical Services, LLC (formerly known as Shealy Environmental Services, Inc.) and 2) GEL Laboratories, LLC as appropriate for the following analyses:

- Volatile organic compounds by EPA Method 8260D;
- Bis(2-ethylhexyl)phthalate, naphthalene, and tributyl phosphate by EPA Method 8270E;
- Nitrate by EPA Method 353.2;
- Ammonia by EPA Method 350.1;
- Fluoride by EPA Method 9056A;
- Gross Alpha by EPA Method 900.0;
- Gross Beta by EPA Method 900.0;
- Tritium by EPA 906.0 (Modified);
- Isotopic U by DOE EML HASL-300 (U-02-RC Modified);
- Isotopic U by EPA Method 200.8/200.2; and
- Tc-99 via DOE EML HASL-300 (Tc-02-RC Modified).

Laboratory analytical reports and chain-of-custody forms are included in **Appendix B**.

CFFF is transitioning from monitoring groundwater for gross alpha and gross beta to monitoring for isotopic U and Tc-99. Gross alpha and gross beta are typically used as screening parameters because they can represent various radionuclide components. In the past, action levels were established for gross alpha and gross beta whereby additional contingent analyses were initiated for isotopic U and Tc-99 if the action levels were exceeded. Results below the action levels would not have been further speciated, thus calling to question whether the low detection of gross alpha or gross beta was a result of site activities or other circumstances such as natural radionuclide presence. Since renewal of CFFF's Nuclear Regulatory Commission Special Nuclear Material (SNM) license in September 2022, CFFF has continued to monitor gross alpha and gross beta screening parameters but only for the 20 wells specified in the NPDES permit. However, the site reviews speciated results for isotopic U and Tc-99 to evaluate radionuclide impact in groundwater from site operations. Gross alpha and gross beta are not parameters to be analyzed in the updated NPDES permit, however; these parameters were included in the list of analytes documented in this report because the groundwater samples were collected prior to the updated permit's effective date.

3. Results

The following sections summarize the results of the groundwater monitoring performed in October 2023.

3.1 Groundwater Flow

The water level measurements on October 2, 2023 were converted to water level elevations using existing monitoring well top-of-casing elevation data and are summarized in **Table 2**. The water level elevations from monitoring wells screened in the upper zone of the surficial aquifer, in the lower zone of the surficial aquifer, and in the Black Creek Aquifer were used to prepare the potentiometric maps for the surficial aquifer and Black Creek Aquifer for the October 2023 monitoring period (**Figures 6 through 8**).

3.1.1 Surficial Aquifer

Based on the surficial aquifer potentiometric maps for October 2, 2023, groundwater flow in the unconfined upper zone of the surficial aquifer (**Figure 6**) and lower zone of the surficial aquifer (**Figure 7**) is generally to the southwest with components of flow to the west and south. These surficial aquifer potentiometric contours and flow directions are similar to previous results.

3.1.2 Black Creek Aquifer

Based on the Black Creek Aquifer potentiometric maps for October 2, 2023 (**Figure 8**), groundwater flow in the Black Creek Aquifer is to the southwest. The Black Creek Aquifer potentiometric contours and flow directions are similar to previous results.

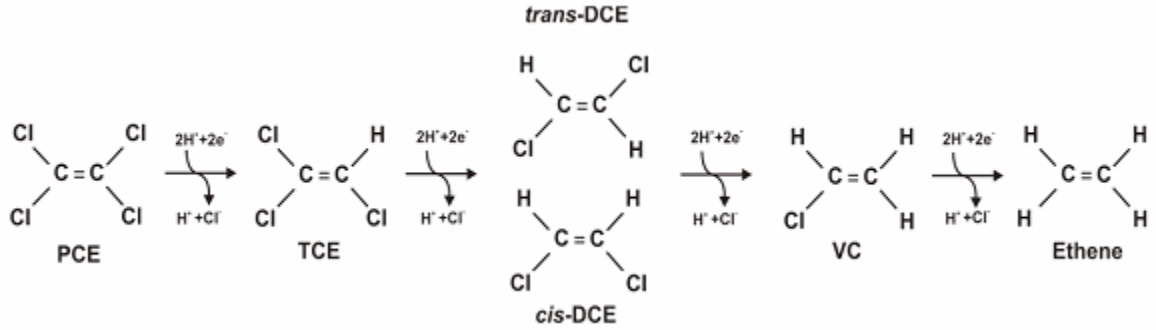
3.2 Groundwater Quality

Groundwater sampling indicator parameters measured in the field during the well purging and sampling are presented in **Table 3**. The groundwater sampling logs are included in **Appendix A**. Laboratory analytical reports are included in **Appendix B** and the analytical results for the monitoring wells are summarized in **Table 4**. Historic analytical results are summarized in **Table C-1** which is in **Appendix C**.

Based on the results of the comprehensive RI (AECOM, 2023), COPCs in groundwater are CVOCs, nitrate, fluoride, U, and Tc-99. Currently, there is no evidence that there are ongoing releases of COPCs. The NPDES permit that went into effect on November 1, 2023 requires that groundwater analytical results from the previous five years be graphically presented for the site COPCs. Time series plots for the COPCs are in **Appendix D**.

3.2.1 Chlorinated Volatile Organic Compounds

Four CVOCs (PCE, trichloroethylene [TCE], cis-1,2-dicholoroethene [cis-1,2-DCE], and vinyl chloride [VC]) were detected in the upper and lower zones of the surficial aquifer. Chlorinated ethenes such as PCE can undergo biotic (biological) and abiotic (physical) transformations under both aerobic and anaerobic conditions. Natural, biotic degradation of PCE to produce daughter products at CFFF follows the reductive dechlorination pathway. This pathway is as follows:



(Source: Parsons Corporation, 2004)

CVOCs were not detected in the groundwater samples collected from the Black Creek Aquifer monitoring wells.

3.2.1.1 Tetrachloroethylene

PCE was detected in groundwater at concentrations at or above its MCL of 5.0 micrograms per liter (µg/L) in groundwater from 28 of the 114 surficial aquifer monitoring wells in October 2023 (**Table 4**). There are two PCE plumes at CFFF contained within the property in the surficial aquifer. These CVOC plumes are generally referred to as the main plume and the southern plume and are depicted on **Figures 9 and 10**. PCE was not detected in groundwater samples from the four Black Creek monitoring wells.

Upper Zone of the Surficial Aquifer

Figure 9 illustrates the PCE concentrations in the upper zone of the surficial aquifer during the October 2023 sampling period. The highest PCE concentrations in upper zone of the surficial aquifer wells were from wells W-39, W-41R, and W-66 in the main PCE plume at concentrations ranging from 180 µg/L to 740 µg/L.

The main PCE plume in the upper zone of the surficial aquifer appears to emanate from an area between West Lagoon II (WLII) and the plant building. Work conducted during Phase II of the RI concluded that there is no longer a vadose zone source for this groundwater impact. PCE is no longer used at CFFF; therefore, additional CVOC impacts to groundwater are not possible. As discussed in **Section 1.4**, groundwater and COPCs migrate both to the north and south in the surficial aquifer in the vicinity of WL II before migrating in the predominant southwesterly flow direction. This results in a horseshoe shaped main PCE plume in the surficial aquifer – upper zone.

The southern PCE plume in the surficial aquifer – upper zone is located from the southern extent of the developed area near the bluff and extends to the southeast below the bluff barely into the floodplain near monitoring well W-97. PCE was not formerly used in the vicinity of these wells. It is believed that the PCE in the southern plume in the surficial aquifer - upper zone near the bluff is part of the PCE plume in the surficial aquifer – lower zone, rather than the result of a source in the southern area of the plant near the bluff (AECOM, 2023).

Lower Zone of the Surficial Aquifer

Figure 10 illustrates the PCE concentrations in the lower zone of the surficial aquifer during the October 2023 sampling period. The main PCE plume is the only plume present in the lower zone of the surficial aquifer and was observed directly west of the facility in the same area as the main PCE plume observed in the upper zone of the surficial aquifer, however with a greater aerial extent. The highest PCE concentrations in the lower zone of the surficial aquifer was from wells W-48, W-65, W-120, and W-RW2 in the main PCE plume at concentrations ranging from 140 µg/L to 520 µg/L.

The highest PCE concentrations in the main plume in the lower zone of the surficial aquifer appears to emanate from an area between WLII and the plant building and migrates to the north, west, southwest and south resulting in a horseshoe shape similar to the upper zone of the surficial aquifer. Additionally, a third lobe of the main plume in the lower zone of the surficial aquifer containing lower PCE concentrations appears to emanate from the southern end of the plant building. Work conducted during the RI concluded that the Solvent Extraction Area located in the southwestern portion of the plant is the likely source for this PCE impact to groundwater.

3.2.1.2 Trichloroethylene

TCE was detected in groundwater at concentrations at or above its MCL of 5.0 µg/L from 12 of the 114 surficial aquifer monitoring wells in October 2023 (**Table 4**), respectively. There are three TCE plumes at CFFF in the surficial aquifer. These CVOC plumes are generally referred to as the main plume, the northern plume (near the southwest corner of the plant building), and the southern plume. These plumes are depicted on **Figures 11 and 12**. TCE was not detected in groundwater samples from the four Black Creek Aquifer monitoring wells.

Upper Zone of the Surficial Aquifer

The upper zone of the surficial aquifer main and southern TCE plumes are in the same general locations as the corresponding PCE plumes but with a smaller aerial extent during the October 2023 sampling period (**Figure 11**). TCE exceeded the MCL in groundwater samples from monitoring well W-39, W-41R, and W-66 in the main TCE plume during the October 2023 sampling campaign. The northern TCE plume exists as a TCE only plume near the southwestern corner of the plant building where the TCE MCL was exceeded in monitoring well W-38. In the southern plume, TCE's MCL was exceeded in groundwater from monitoring well W-67 only. Upper zone TCE concentrations exceeding the MCL in these plume areas ranged from 7.7 µg/L to 21 µg/L.

Lower Zone of the Surficial Aquifer

In the lower zone of the surficial aquifer, the main TCE plume was observed directly west of the facility extending in a southwestern direction in the same general location as the main PCE plume (**Figure 12**). Groundwater from monitoring wells W-33, W-65, W-87, W-120, and W-RW2 in the main TCE plume contained concentrations of TCE above the MCL. TCE exceeded the MCL in the northern TCE plume in groundwater from monitoring well W-102. The southern plume in the lower zone of the surficial aquifer is represented by one TCE MCL exceedance in groundwater from monitoring well W-123. TCE in monitoring well W-103, downgradient of W-123, was at the MCL of 5 ug/L in October 2023. The TCE MCL in the lower zone was exceeded in groundwater at concentrations ranging from 5.2 µg/L to 49 µg/L.

3.2.1.3 Cis-1,2-Dichloroethene

Concentrations of cis-1,2-dichloroethene (cis-1,2 DCE) did not exceed the MCL of 70 µg/L in groundwater within the monitoring well network in October 2023 (**Table 4**). Cis-1,2-DCE was detected at concentrations ranging from 0.41 µg/L (estimated) to 26 µg/L in groundwater from 29 of the 114 surficial aquifer monitoring wells during the October 2023 sampling period.

3.2.1.4 Vinyl Chloride

Concentrations of VC exceeded its MCL of 2 µg/L in groundwater from monitoring well W-107 at a concentration of 3.9 µg/L during the October 2023 sampling period (**Figure 13**). Groundwater from monitoring well W-95 has historically exceeded the MCL for VC, however; the VC concentration during the October 2023 sampling period matched the MCL at concentration of 2.0 µg/L. Groundwater in October 2023 from monitoring wells W-94 and W-108 also contained VC at a concentration of 1.6 µg/L and an estimated concentration of 0.95 µg/L, respectively. These well locations are on the southern side of Upper and Lower Sunset Lakes. The presence of VC in groundwater from these four wells indicates that reductive dechlorination, as described in **Section 3.2.1**, from PCE on the northern side of Sunset Lakes to VC on the southern side is occurring within the floodplain. Concentrations of VC were not detected in groundwater above the bluff.

3.2.2 Nitrate

Nitrate was detected in groundwater at concentrations at or above its MCL of 10 milligrams per liter (mg/L) from 22 of the 114 surficial aquifer monitoring wells in October 2023 (**Table 4**). **Figure 14** illustrates the nitrate concentrations for the October 2023 sampling period. The highest nitrate concentrations were observed in the groundwater collected from surficial aquifer – lower zone monitoring well W-18R near the southwest corner of the South Lagoon at concentrations of 400 mg/L during the October 2023 sampling period.

The aerial extent of the nitrate plume is primarily in the area of the facility WWTP and extends to areas to the west, southwest, and south. Nitrate was detected in groundwater Black Creek Aquifer monitoring well W-71 below its MCL at a concentration of 0.055 in October 2023. Nitrate is a naturally occurring compound and the detected concentration

in this monitoring well is orders of magnitude below the MCL indicating that this detection is not the result of facility operations.

3.2.3 Fluoride

Fluoride was detected at concentrations at or above its MCL of 4 mg/L in groundwater from 12 of the 114 surficial aquifer monitoring wells in October 2023 (**Table 4**). Fluoride is a naturally occurring element and many of the detected concentrations in groundwater at CFFF were orders of magnitude below the MCL indicating that these detections are not likely resulting from facility operations. **Figure 15** illustrates the fluoride concentrations for the October 2023 sampling event.

The greatest fluoride concentrations were observed in the groundwater from upper zone of the surficial aquifer well W-78 at a concentration of 13 mg/L during the October 2023 sampling period. The fluoride plume exceeding the MCL in the surficial aquifer is primarily south of the plant building and in the vicinity of the WWTP. This plume extends to the south and southwest towards the Upper and Lower Sunset Lakes.

Fluoride was not detected in groundwater from the four Black Creek Aquifer monitoring wells during the October 2023 sampling period.

3.2.4 Uranium

Total U was detected in groundwater at concentrations at or above its MCL of 30 µg/L from 3 of the 114 surficial aquifer monitoring wells in October 2023 (**Table 4**). The exceedance of the groundwater MCL for U is localized to two areas adjacent to the plant building, one area on the west side of the building near the southwest corner (monitoring wells W-55 and W-56) and another area on the south side of the building (monitoring well W-77). The plume associated with monitoring wells W-55 and W-56 is referred to as the northern plume and the plume associated with monitoring well W-77 is referred to as the southern plume. **Figure 16** illustrates the total U concentrations detected during the October 2023 sampling period.

The highest total U concentration of 552 µg/L was detected in groundwater from monitoring well W-56 during the October 2023 sampling event. The next closest downgradient well, monitoring well W-73, is approximately 50 feet away from monitoring well W-56 and was non-detect for total U. Monitoring well W-28 is approximately 50 feet downgradient of monitoring well W-77 and contains a total U concentration of 2.22 µg/L during the October 2023 sampling event.

U-238 was detected in groundwater from monitoring well W-71, one of the four Black Creek Aquifer monitoring wells at concentrations below its MCL and below the laboratory minimum detectible concentration (J flagged estimated concentrations) of 0.135 µg/L. U occurs naturally in groundwater in South Carolina and U-238, the most common U isotope, was the only U isotope in a Black Creek Aquifer well during the October 2023 groundwater sampling campaign. A study performed in the Aiken, SC and Augusta, GA area reported an average background groundwater U concentration from private water supply wells of 0.35 µg/L (Westinghouse Savannah River Company, 1992). Another study of state-wide groundwater analytical results from private water supply wells using statistical analysis predicted an average background groundwater U concentration of 1.26 µg/L (Wagner, S.E., et al). Private water supply wells are typically installed in the aquifer below the surficial aquifer (e.g. the Black Creek Aquifer at CFFF). The total U detected in groundwater from the Black Creek Aquifer wells is typical of regional background concentrations and not likely the result of facility operations.

3.2.5 Technetium-99

Tc-99 was detected above its MCL of 900 picocuries per liter (pCi/L) in the groundwater samples collected from two surficial aquifer monitoring wells (W-6 and W-11) in October 2023. **Figure 17** illustrates the Tc-99 concentrations detected during the October 2023 sampling period. Tc-99 concentrations detected in groundwater from monitoring wells W-6 and W-11 in October 2023 were 2,060 pCi/L to 1,280 pCi/L, respectively. The aerial extent of the Tc-99 exceeding the MCL is within the WWTP area and the Southern Storage Area. The aerial extent of the Tc-99 plume at concentrations below the MCL extends from the WWTP area toward the west, southwest, and southeast. Tc-99 was not detected in groundwater samples from the four Black Creek Aquifer monitoring wells.

3.2.6 Semi-Volatile Organic Compounds

The NPDES permit that went into effect on November 1, 2023 requires groundwater from 40 wells to be analyzed for the semivolatile organic compounds bis(2-ethylhexyl) phthalate, naphthalene and tributyl phosphate. Naphthalene was detected in groundwater from monitoring wells W-RW2, W-37, and W-45 at concentrations ranging from 0.450 µg/L (estimated) to 5.15 µg/L which exceed the tap water Regional Screening Level (RSL) of 0.12 µg/L. Bis(2-ethylhexyl) phthalate and tributyl phosphate were not detected in groundwater in the monitoring wells specified in the permit (**Table 4**). The previous NPDES permit required SVOCs to be analyzed in groundwater from W-RW2, W-26, W-41R, and W-8. SVOCs were not detected in groundwater from these wells, except for the estimated naphthalene concentration of 0.450 µg/L from W-RW2.

Figure 18 illustrates the naphthalene concentrations detected during the October 2023 sampling period. Naphthalene concentrations are compared to the RSL, as there is no federal drinking water standard for naphthalene. The site's COPCs are compared to the National Primary Drinking Water Standard MCLs. RSLs are provided by the Environmental Protection Agency for use during the conservative, initial, screening phase of a human health risk assessment. If an analyte's concentration exceeds its RSL, further evaluation may be warranted and it may be carried into the next phase of the evaluation to assess whether or not it represents an unacceptable risk to human health. The tap water RSL is based on the assumption that the water is regularly used as drinking water without treatment. Exceeding an RSL does not explicitly imply that the analyte represents an unacceptable risk. The Baseline Risk Assessment Report (AECOM, 2022) for CFFF did not identify any unacceptable risks to human health and the environment. This report was approved by DHEC on March 14, 2023.

3.2.7 Other Monitoring Requirements

Tritium is not a COPC for the CFFF site. CFFF is a fuel fabrication facility that manufactures nuclear fuel and components which do not contain tritium. Tritium is a byproduct of a nuclear criticality that is produced after the nuclear fuel is irradiated in a nuclear reactor at the CFFF's customer site.

As required by the NPDES permit in effect in October 2023, CFFF includes analysis for tritium in groundwater samples from 20 monitoring wells. Based on the laboratory results, tritium was not detected above the laboratory minimum detectible concentration (MDC) during any of the 2015-2023 monitoring periods (**Table 4** and **Appendix C**). Concentrations below the MDC cannot be relied upon because they cannot be distinguished from the instrument's background value. The laboratory results further demonstrate that tritium is not present in groundwater at CFFF as the result of fuel manufacturing activities.

4. Conclusions and Recommendations

4.1 Conclusions

The following conclusions are based upon review of the groundwater monitoring data collected during the October 2023 sampling period:

- Groundwater flow in the unconfined surficial aquifer is generally to the southwest with components of flow to the west and south. These surficial aquifer potentiometric contours and flow directions are similar to previous results. As documented in the RI Report (AECOM, 2023) and **Section 1.4**, the surface water bodies also influence groundwater flow on a localized basis. Groundwater flow in the Black Creek Aquifer is generally to the southwest. The Black Creek Aquifer potentiometric contours and flow directions are similar to previous results.
- CVOCs detected during October 2023 exceeding MCLs were primarily PCE and, to a lesser extent, TCE. Two additional breakdown products of PCE reductive dechlorination, cis-1,2 DCE and VC, were detected in groundwater at the CFFF site at concentrations below the MCL for cis-1,2 DCE and above the MCL for VC.
- The groundwater analytical results indicate that there are PCE and TCE groundwater plumes in the upper and lower zones of the surficial aquifer west and south of the plant building and in the surficial aquifer - upper zone south of the plant building. The CVOC plumes have been referred to as the main plume, southern plume, and northern plume.
- The main CVOC plume appears to emanate from a source(s) between the plant building and WL2. Elevated PCE concentrations in the main CVOC plume extend from the surficial aquifer – upper zone to the surficial aquifer - lower zone. Concentrations of TCE above its MCL occur primarily in the surficial aquifer – lower zone but are documented in the surficial aquifer – upper zone to a lesser extent.
- Nitrate concentrations during October 2023 exceeding MCLs were in areas west, southwest, and south of the WWTP. The highest nitrate concentrations were observed in the groundwater samples collected from surficial monitoring wells south of the South and Sanitary Lagoons of the WWTP.
- Fluoride concentrations during October 2023 exceeding MCLs were in areas south of the plant building and south and southwest of the WWTP. The highest fluoride concentrations were observed in the groundwater samples collected from monitoring well W-78 located south of the plant building.
- U concentrations exceeded the MCL during October 2023 in two surficial monitoring wells located near the southwest side of the facility building (W-55 and W-56) and one monitoring well (W-77) located near the south end of the building. The exceedance of the U MCL in groundwater is localized near the plant building and is delineated by the existing monitoring well network.
- Tc-99 concentrations exceeded the MCL during October 2023 in two surficial aquifer – lower zone monitoring wells (W-6 and W-11).
- Naphthalene exceeded the tap water RSL during 2023 in groundwater from three wells in highly localized areas. Based upon the Baseline Risk Assessment (AECOM, 2022), there is no unacceptable risk to human health and the environment from historical impacts at CFFF, including naphthalene.
- Based upon historical and current groundwater analytical results and assessment work completed during the RI from June 2019 through October 2022, the source, nature, and extent of impacts from historical operations have been well defined. No off-site impacts of COPCs are known to have occurred, the groundwater impacts are fully defined within the central portion of the facility and are anticipated to remain within the property boundary.

4.2 Recommendations

Based upon the above conclusions, continued semiannual monitoring in accordance with the NPDES Permit and systematic completion of the CA is recommended. CA implementation progress is reported in publicly available monthly reports to DHEC. The next groundwater sampling periods are April 2024 and October 2024.

5. References

AECOM, 2019. Final Remedial Investigation Work Plan, Westinghouse Columbia Fuel Fabrication Facility, 5801 Bluff Road, Hopkins, South Carolina, June 2019.

AECOM, 2022. Baseline Risk Assessment, Columbia Fuel Fabrication Facility, August 2022.

AECOM, 2023. Final Remedial Investigation Report, Columbia Fuel Fabrication Facility, 5801 Bluff Road, Hopkins, Richland County, South Carolina, Westinghouse Electric Company, LLC, February 2023.

JUSTIA US Law website (USA/SCDHEC vs SCRDI et al. lawsuit), http://law.justia.com/cases/federal/district-courts/FSupp/653/984/2400694/, reviewed by Mr. Jeremy Grant of AECOM on September 24, 2017.

Leidos, 2020. Columbia Fuel Fabrication Facility, Tc-99 Source Investigation Report, July 2020.

S&ME, 1982. Ground-Water Hydrology of the Westinghouse Electric Corporation Plant, Richland County, South Carolina, March 1, 1982.

Tables

Table 1 - Monitoring Well Construction Details
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well Number	Northing	Easting	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Casing Stickup (ft)	Well Diameter (in)	Casing Type	Total Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Classification
W-RW-1	745689.8390	2024255.5150	4/1/1995	136.00	136.95	0.95	4.0	Steel	32.17	10	22-32	Surficial - Lower Zone
W-RW2	745325.1547	2023458.2190	3/10/1995	136.98	139.93	2.95	4.0	Steel	28.40	10	18.5-28.5	Surficial - Lower Zone
W-3A	744340.2273	2023926.2926	6/11/1985	117.64	120.08	2.44	2.0	PVC	82.86	10	73-83	Black Creek
W-4R	744339.0788	2023932.0410	7/23/2021	117.27	119.82	2.55	2.0	PVC	14.55	10	4.5-14.5	Surficial - Upper Zone
W-6	744963.2941	2024109.6154	5/15/1980	136.96	136.46	-0.50	2.0	PVC	27.80	5	23-28	Surficial - Lower Zone
W-7A	744907.4275	2023872.2237	2/19/1992	132.94	135.06	2.12	2.0	PVC	17.95	5	13-18	Surficial - Upper Zone
W-10	744897.8502	2023659.8964	5/14/1980	136.89	136.81	-0.08	2.0	PVC	22.31	5	17.5-22.5	Surficial - Upper Zone
W-11	744743.0468	2023914.5566	5/14/1980	138.45	140.76	2.31	2.0	PVC	24.97	3	22-25	Surficial - Upper Zone
W-13R	744648.7070	2024279.2522	10/8/2010	136.38	136.13	-0.25	2.0	PVC	20.53	5	15.5-20.5	Surficial - Upper Zone
W-14	744603.1956	2024478.6507	5/4/1988	136.22	137.83	1.61	2.0	PVC	28.91	5	24-29	Surficial - Upper Zone
W-15	744663.4226	2023716.7929	5/15/1980	126.67	127.90	1.23	2.0	PVC	20.71	5	15.5-20.5	Surficial - Upper Zone
W-16	744602.3196	2024060.2560	5/15/1980	125.50	125.96	0.46	2.0	PVC	14.15	3	11-14	Surficial - Upper Zone
W-17	745055.2186	2023785.3818	5/30/1980	137.57	139.27	1.70	2.0	PVC	27.97	5	23-28	Surficial - Lower Zone
W-18R	745012.6889	2023939.2527	Unknown	137.15	136.71	-0.44	2.0	PVC	27.60	5	22.5-27.5	Surficial - Lower Zone
W-19B	746172.6764	2022552.9543	3/17/1995	140.58	142.85	2.27	4.0	PVC	40.67	10	30.5-40.5	Surficial - Lower Zone
W-20	743739.6310	2022975.3834	7/10/1980	113.27	116.16	2.89	2.0	PVC	15.61	5	10.5-15.5	Surficial - Upper Zone
W-22	744960.9243	2024116.3963	7/12/1980	137.08	136.51	-0.57	2.0	PVC	15.10	5	10-15	Surficial - Upper Zone
W-23R	744674.7363	2024851.2620	7/22/2011	137.45	140.47	3.02	2.0	PVC	20.93	5	16-21	Surficial - Upper Zone
W-24	746742.5552	2027344.7554	7/9/1980	139.83	141.94	2.11	2.0	PVC	14.99	5	10-15	Surficial - Upper Zone
W-25	742114.3330	2022728.9859	7/9/1980	114.98	115.88	0.90	2.0	PVC	27.37	5	22.5-27.5	Surficial - Upper Zone
W-26	744855.2926	2023417.6899	7/11/1980	140.59	142.21	1.62	2.0	PVC	30.65	5	25.5-30.5	Surficial - Upper Zone
W-27	744383.9028	2023708.2286	7/13/1980	120.22	121.87	1.65	2.0	PVC	14.77	5	10-15	Surficial - Upper Zone
W-28	745121.7794	2024317.4127	7/13/1980	136.98	138.88	1.90	2.0	PVC	15.30	5	10-15	Surficial - Upper Zone
W-29	745182.7704	2024101.6410	7/12/1980	136.96	138.61	1.65	2.0	PVC	13.96	5	9-14	Surficial - Upper Zone
W-30	745095.1563	2024150.8369	7/11/1980	136.87	138.81	1.94	2.0	PVC	14.83	5	10-15	Surficial - Upper Zone
W-32	744742.1011	2023919.8088	7/15/1980	138.33	140.34	2.01	2.0	PVC	21.89	5	17-22	Surficial - Upper Zone
W-33	745402.9946	2023548.6640	7/15/1980	138.06	139.33	1.27	2.0	PVC	19.86	5	15-20	Surficial - Lower Zone
W-35	745716.6972	2024227.9328	2/18/1992	136.59	139.07	2.48	2.0	PVC	20.38	5	15.5-20.5	Surficial - Upper Zone
W-36	746084.8252	2024573.1745	2/19/1992	134.16	136.29	2.13	2.0	PVC	19.80	5	15-20	Surficial - Upper Zone
W-37	745407.3901	2024230.7318	2/11/1992	136.58	139.04	2.46	2.0	PVC	20.41	5	15.5-20.5	Surficial - Upper Zone
W-38	745250.3065	2024192.9679	2/18/1992	136.71	136.51	-0.20	2.0	PVC	20.15	5	15-20	Surficial - Upper Zone
W-39	745587.4130	2023656.6724	1/27/1994	139.08	141.15	2.07	2.0	PVC	23.04	10	13-23	Surficial - Upper Zone
W-40	745646.5324	2024112.4795	7/18/1984	136.42	139.26	2.84	2.0	PVC	14.38	10	4.5-14.5	Surficial - Upper Zone
W-41R	745372.8885	2023252.5925	Unknown	131.02	133.81	2.79	2.0	PVC	24.34	10	14.5-24.5	Surficial - Upper Zone
W-42	745072.3463	2023203.3177	1/27/1994	137.83	140.96	3.13	2.0	PVC	29.89	10	20-30	Surficial - Upper Zone
W-43	745904.3053	2023600.1186	1/27/1994	138.09	141.33	3.24	2.0	PVC	21.01	10	11-21	Surficial - Upper Zone

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Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well Number	Northing	Easting	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Casing Stickup (ft)	Well Diameter (in)	Casing Type	Total Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Classification
W-44	745579.8931	2022950.1077	2/1/1994	131.93	134.86	2.93	2.0	PVC	27.04	10	17-27	Surficial - Lower Zone
W-45	745644.0322	2024296.0965	7/18/1984	137.20	140.02	2.82	2.0	PVC	15.38	10	5.5-15.5	Surficial - Upper Zone
W-46	745154.5936	2023494.4570	3/27/1995	132.39	134.74	2.35	4.0	PVC	25.85	10	16-26	Surficial - Lower Zone
W-47	744633.7657	2023515.8706	3/31/1995	140.70	141.90	1.20	4.0	PVC	45.60	10	34.5-44.5	Surficial - Lower Zone
W-48	744913.2226	2023290.4438	3/30/1995	139.74	142.56	2.82	4.0	PVC	41.68	10	31.5-41.5	Surficial - Lower Zone
W-49	745073.2286	2023192.6302	3/15/1995	137.82	140.25	2.43	2.0	PVC	117.77	10	108-118	Black Creek
W-50	745637.2219	2024107.3993	3/21/1995	136.79	139.58	2.79	2.0	PVC	125.01	10	115-125	Black Creek
W-51	745583.8582	2024270.8300	9/19/2018	136.67	136.51	-0.16	2.0	PVC	14.71	5	9.5-14.5	Surficial - Upper Zone
W-52	745542.3624	2024260.1657	9/19/2018	136.71	136.19	-0.52	2.0	PVC	15.52	5	10.5-15.5	Surficial - Upper Zone
W-53	745495.9968	2024247.5619	9/19/2018	136.83	136.54	-0.29	2.0	PVC	15.75	5	11-16	Surficial - Upper Zone
W-54	745442.5511	2024229.9796	9/19/2018	136.79	136.52	-0.27	2.0	PVC	15.82	5	11-16	Surficial - Upper Zone
W-55	745397.6509	2024214.0049	9/20/2018	136.90	136.63	-0.27	2.0	PVC	15.24	5	10-15	Surficial - Upper Zone
W-56	745351.3097	2024203.7460	9/20/2018	136.83	136.68	-0.15	2.0	PVC	15.13	5	10-15	Surficial - Upper Zone
W-57	745307.4270	2024190.7853	9/20/2018	136.90	136.73	-0.17	2.0	PVC	15.12	5	10-15	Surficial - Upper Zone
W-58	745254.0864	2024176.3347	9/18/2018	136.85	136.37	-0.48	2.0	PVC	15.47	5	10.5-15.5	Surficial - Upper Zone
W-59	745219.3681	2024165.8802	9/18/2018	136.10	136.42	0.32	2.0	PVC	14.65	5	9.5-14.5	Surficial - Upper Zone
W-60	745835.5835	2023286.8131	10/8/2018	137.25	140.20	2.95	2.0	PVC	37.87	5	33-38	Surficial - Lower Zone
W-61	745829.2570	2023288.2599	10/9/2018	137.34	140.60	3.26	2.0	PVC	23.50	10	13.5-23.5	Surficial - Upper Zone
W-62	745485.4613	2022726.0792	10/9/2018	125.63	128.38	2.75	2.0	PVC	24.85	5	20-25	Surficial - Lower Zone
W-63	745098.1342	2023019.4184	10/10/2018	138.78	141.02	2.24	2.0	PVC	41.90	5	37-42	Surficial - Lower Zone
W-64	744643.8030	2023511.3331	10/10/2018	140.15	142.75	2.60	2.0	PVC	31.60	10	21.5-31.5	Surficial - Upper Zone
W-65	745693.7040	2024027.4543	10/12/2018	138.17	140.95	2.78	2.0	PVC	31.69	5	26.5-31.5	Surficial - Lower Zone
W-66	745687.8186	2024027.1699	10/12/2018	138.01	140.91	2.90	2.0	PVC	22.35	10	12.5-22.5	Surficial - Upper Zone
W-67	744459.5852	2024485.7938	10/15/2018	132.60	135.26	2.66	2.0	PVC	31.81	10	22-32	Surficial - Upper Zone
W-68	745329.2457	2022496.2174	11/1/2018	113.40	116.53	3.13	2.0	PVC	18.14	5	13-18	Surficial - Lower Zone
W-69	745726.9177	2026064.2900	6/11/2019	137.67	140.64	2.97	2.0	PVC	18.08	10	8-18	Surficial - Upper Zone
W-70	745719.2209	2026062.8740	6/20/2019	138.02	141.00	2.98	2.0	PVC	48.92	5	44-49	Surficial - Lower Zone
W-71	745716.6462	2026052.3340	9/19/2019	137.96	140.72	2.77	2.0	PVC	102.83	10	93-103	Black Creek
W-72	745450.2503	2024162.6920	6/30/2019	136.81	136.29	-0.53	2.0	PVC	15.01	10	5-15	Surficial - Upper Zone
W-73	745339.3056	2024166.2500	6/30/2019	136.85	136.45	-0.40	2.0	PVC	16.00	10	6-16	Surficial - Upper Zone
W-74	745325.1257	2024067.1720	9/17/2019	136.64	139.93	3.29	2.0	PVC	30.60	5	25.5-30.5	Surficial - Lower Zone
W-75	745317.2335	2024064.7580	9/17/2019	136.60	139.85	3.25	2.0	PVC	15.33	10	5.5-15.5	Surficial - Upper Zone
W-76	745181.1851	2024223.5230	6/29/2019	137.04	136.85	-0.19	2.0	PVC	15.14	10	5-15	Surficial - Upper Zone
W-77	745158.9297	2024346.1090	9/18/2019	136.85	136.53	-0.32	2.0	PVC	15.62	10	5.5-15.5	Surficial - Upper Zone
W-78	745117.7529	2024371.0300	9/19/2019	136.75	136.31	-0.44	2.0	PVC	15.57	10	5.5-15.5	Surficial - Upper Zone
W-79	745200.3957	2024450.2660	6/29/2019	136.49	136.12	-0.38	2.0	PVC	15.67	10	5.5-15.5	Surficial - Upper Zone

Table 1 - Monitoring Well Construction Details
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well Number	Northing	Easting	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Casing Stickup (ft)	Well Diameter (in)	Casing Type	Total Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Classification
W-80	745024.3899	2024414.6850	6/29/2019	136.34	135.87	-0.47	2.0	PVC	15.75	10	5.5-15.5	Surficial - Upper Zone
W-81	744938.6049	2024469.8490	6/29/2019	136.81	136.43	-0.39	2.0	PVC	15.69	10	5.5-15.5	Surficial - Upper Zone
W-82	744895.9297	2024594.1720	6/29/2019	136.57	136.23	-0.34	2.0	PVC	15.62	10	5.5-15.5	Surficial - Upper Zone
W-83	744975.0629	2024667.4890	6/29/2019	136.22	135.81	-0.41	2.0	PVC	26.43	10	16.5-26.5	Surficial - Upper Zone
W-84	745177.2489	2024721.4980	6/30/2019	136.66	135.99	-0.67	2.0	PVC	20.97	10	11-21	Surficial - Upper Zone
W-85	745079.7122	2025107.6820	6/11/2019	135.74	138.69	2.95	2.0	PVC	44.82	5	40-45	Surficial - Lower Zone
W-86	745082.2852	2025100.8040	6/11/2019	135.68	138.77	3.09	2.0	PVC	35.08	10	25-35	Surficial - Upper Zone
W-87	745952.7641	2024385.8120	6/30/2019	136.66	136.39	-0.27	2.0	PVC	33.15	5	28-33	Surficial - Lower Zone
W-88	746574.7739	2022883.9580	6/17/2019	140.06	143.10	3.04	2.0	PVC	41.38	5	36.5-41.5	Surficial - Lower Zone
W-89	746583.3384	2022888.2490	6/13/2019	140.12	142.82	2.70	2.0	PVC	25.53	10	15.5-25.5	Surficial - Upper Zone
W-90	745981.1215	2022011.5510	6/13/2019	140.23	143.33	3.10	2.0	PVC	39.99	5	35-40	Surficial - Lower Zone
W-91	745976.3596	2022016.7650	6/13/2019	139.57	142.81	3.24	2.0	PVC	25.07	10	15-25	Surficial - Upper Zone
W-92	744382.4699	2023714.9210	6/12/2019	120.11	123.33	3.22	2.0	PVC	33.78	5	29-34	Surficial - Lower Zone
W-93	745162.2579	2024346.8430	9/18/2019	136.87	136.49	-0.38	2.0	PVC	35.36	5	30.5-35.5	Surficial - Lower Zone
W-94	744728.0254	2021983.5560	9/17/2019	115.28	118.04	2.76	2.0	PVC	29.48	5	24.5-29.5	Surficial - Lower Zone
W-95	744375.6603	2022553.4620	9/17/2019	113.53	116.40	2.86	2.0	PVC	33.43	5	28.5-33.5	Surficial - Lower Zone
W-96	743746.7835	2024643.8120	9/17/2019	113.65	116.46	2.81	2.0	PVC	29.96	5	25-30	Surficial - Upper Zone
W-97	744244.0503	2024547.7590	9/17/2019	113.92	116.93	3.01	2.0	PVC	18.94	5	14-19	Surficial - Upper Zone
W-98	745190.4186	2022894.5358	1/29/2021	135.52	138.65	3.13	2.0	PVC	26.72	10	17-27	Surficial - Upper Zone
W-99	745123.5105	2023640.5364	1/27/2021	129.78	133.84	4.06	2.0	PVC	19.77	5	16-21	Surficial - Lower Zone
W-100	745126.2199	2023636.3622	1/28/2021	129.47	133.47	4.00	2.0	PVC	11.07	5	7-12	Surficial - Upper Zone
W-102	745090.1200	2024124.4415	12/9/2020	137.08	136.86	-0.22	2.0	PVC	33.72	5	28.5-33.5	Surficial - Lower Zone
W-103	744466.6874	2024483.1317	1/27/2021	132.56	134.87	2.32	2.0	PVC	39.41	5	34.5-39.5	Surficial - Lower Zone
W-104	744154.7155	2024875.5065	1/25/2021	115.45	118.48	3.03	2.0	PVC	17.37	10	7.5-17.5	Surficial - Upper Zone
W-105	743843.4667	2024138.0034	1/26/2021	114.80	117.57	2.77	2.0	PVC	24.13	10	14-24	Surficial - Upper Zone
W-106	744431.5527	2023371.3176	2/15/2021	115.68	118.69	3.01	2.0	PVC	29.66	5	24.5-29.5	Surficial - Lower Zone
W-107	744034.1147	2023252.1811	1/25/2021	112.27	115.23	2.96	2.0	PVC	34.39	5	29-34	Surficial - Lower Zone
W-108	743611.3486	2023295.2256	1/28/2021	111.93	115.41	3.49	2.0	PVC	32.35	5	27-32	Surficial - Lower Zone
W-109	743731.8238	2022981.0635	1/28/2021	112.81	115.68	2.87	2.0	PVC	32.15	5	27-32	Surficial - Lower Zone
W-110	744051.9526	2022508.2574	1/27/2021	113.21	116.42	3.21	2.0	PVC	33.69	5	29-34	Surficial - Lower Zone
W-111	744378.2719	2022564.9340	1/26/2021	113.68	116.92	3.24	2.0	PVC	81.16	5	76-81	Surficial - Lower Zone
W-112	744101.6181	2022027.5127	1/27/2021	112.93	116.07	3.14	2.0	PVC	33.76	5	29-34	Surficial - Lower Zone
W-113	746811.1979	2024004.2673	7/28/2021	135.66	138.55	2.89	2.0	PVC	36.16	5	31-36	Surficial - Lower Zone
W-114	746806.0447	2024001.4779	7/29/2021	135.54	138.75	3.21	2.0	PVC	20.34	10	10-20	Surficial - Upper Zone
W-115	746784.3022	2023435.7961	7/27/2021	139.06	141.71	2.66	2.0	PVC	45.69	5	40.5-45.5	Surficial - Lower Zone
W-116	746778.9455	2023433.2473	7/26/2021	138.99	141.91	2.92	2.0	PVC	20.25	10	10-20	Surficial - Upper Zone

Table 1 - Monitoring Well Construction Details
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well Number	Northing	Easting	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Casing Stickup (ft)	Well Diameter (in)	Casing Type	Total Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Classification
W-117	746432.6567	2023237.7007	7/27/2021	140.82	143.76	2.94	2.0	PVC	43.79	5	39-44	Surficial - Lower Zone
W-118	746437.2354	2023241.0797	7/28/2021	140.78	143.74	2.96	2.0	PVC	29.49	10	19.5-29.5	Surficial - Upper Zone
W-119	746515.7592	2023805.6944	7/23/2021	139.48	142.24	2.75	2.0	PVC	30.25	5	25-30	Surficial - Upper Zone
W-120	745967.1436	2024014.3529	7/29/2021	139.26	142.34	3.08	2.0	PVC	33.80	5	29-34	Surficial - Lower Zone
W-121	745966.7263	2024008.0883	7/29/2021	139.12	142.24	3.11	2.0	PVC	22.12	10	12-22	Surficial - Upper Zone
W-122	746087.7639	2024559.8114	7/20/2021	134.29	136.84	2.55	2.0	PVC	30.60	5	25-30	Surficial - Lower Zone
W-123	744647.8048	2024283.6868	7/20/2021	136.30	136.05	-0.25	2.0	PVC	34.23	5	29-34	Surficial - Lower Zone
W-124	744153.4184	2024882.8990	7/22/2021	115.26	117.73	2.47	2.0	PVC	30.91	5	26-31	Surficial - Lower Zone
W-125	743837.3108	2024142.2790	7/21/2021	114.65	117.84	3.19	2.0	PVC	45.01	5	40-45	Surficial - Lower Zone
W-126	743747.3364	2024650.4112	7/22/2021	113.53	115.89	2.36	2.0	PVC	42.48	5	37.5-42.5	Surficial - Lower Zone
PZ-1	743745.6668	2024637.1258	7/21/2021	113.54	116.27	2.74	2.0	PVC	16.75	10	7-17	Surficial - Upper Zone
Gator SG	744600.5136	2023820.4020	7/16/2019	NS	120.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canal SG	743544.9360	2019700.8031	3/26/2021	NS	110.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Entrance SG	745852.1977	2020536.5766	3/26/2021	NS	112.57	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upper SG	744292.2317	2023220.4190	7/16/2019	NS	112.41	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upper 2 SG	745845.6181	2020600.6309	4/20/2021	NS	112.56	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lower SG	743333.8536	2024092.0010	7/16/2019	NS	112.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Creek SG	743263.2548	2024076.8640	7/16/2019	NS	109.05	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
ft = feet
in = inches
ft msl = feet above mean sea level
ft bgs = feet below ground surface
NS - not surveyed
N/A - not applicable
SG - staff gauge
Top of casing and ground surface elevations surveyed by AECOM during November 2018, November 2019, April 2021 and August 2021.
Horizontal coordinates are referenced to the State Plane Coordinate System and the North American Datum of 1983 (NAD 83).
Vertical locations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Table 2 - Groundwater Levels and Elevations
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well	Date	Screen Interval (ft bgs)	Ground Elevation (ft)	Top of Casing Elevation (ft)	Depth to Water (ft btoc)	Water Elevation (ft)
W-RW1	10/02/23	22-32	136.00	136.95	8.59	128.36
W-RW2	10/02/23	18.5-28.5	136.98	139.93	18.19	121.74
W-3A	10/02/23	73-83	117.64	120.08	6.24	113.84
W-4R	10/02/23	4.5-14.5	117.27	119.82	10.82	109.00
W-6	10/02/23	23-28	136.96	136.46	10.27	126.19
W-7A	10/02/23	13-18	132.94	135.06	11.49	123.57
W-10	10/02/23	17.5-22.5	136.89	136.81	15.19	121.62
W-11	10/02/23	22-25	138.45	140.76	18.04	122.72
W-13R	10/02/23	15-20	136.38	136.13	11.94	124.19
W-14	10/02/23	24-29	136.22	136.13	16.54	121.29
W-15	10/02/23	15.5-20.5	126.67	127.90	11.81	116.09
W-16	10/02/23	11-14	125.64	124.93	3.81	122.15
W-17	10/02/23	23-28	137.57	139.27	13.87	125.40
W-18R	10/02/23	22.5-27.5	137.15	136.71	11.33	125.38
W-19B	10/02/23	30.5-40.5	140.58	142.85	24.78	118.07
W-20	10/02/23	10.5-15.5	113.27	116.16	8.36	107.80
W-22	10/02/23	10-15	137.08	136.51	10.71	125.80
W-23R	10/02/23	16-21	137.45	140.47	18.64	121.83
W-24	10/02/23	10-15	139.83	141.94	9.02	132.92
W-25	10/02/23	22.5-27.5	114.98	115.88	8.71	107.17
W-26	10/02/23	25.5-30.5	140.59	142.21	25.22	116.99
W-27	10/02/23	10-15	120.22	121.87	10.16	111.71
W-28	10/02/23	10-15	136.98	138.88	11.83	127.05
W-29	10/02/23	9-14	136.96	138.61	11.59	127.02
W-30	10/02/23	10-15	136.87	138.81	11.85	126.96
W-32	10/02/23	17-22	138.33	140.34	18.64	121.70
W-33	10/02/23	15-20	138.06	139.33	15.32	124.01
W-35	10/02/23	15.5-20.5	136.59	139.07	10.72	128.35
W-36	10/02/23	15-20	134.16	136.29	7.46	128.83
W-37	10/02/23	15.5-20.5	136.58	139.04	11.11	127.93
W-38	10/02/23	15-20	136.71	136.51	9.89	126.62
W-39	10/02/23	13-23	139.08	141.15	15.55	125.60
W-40	10/02/23	4.5-14.5	136.42	139.26	10.93	128.33
W-41R	10/02/23	14.5-24.5	131.02	133.81	15.36	118.45
W-42	10/02/23	20-30	137.83	140.96	25.00	115.96
W-43	10/02/23	11-21	138.09	141.33	14.23	127.10
W-44	10/02/23	17-27	131.93	134.86	18.05	116.81
W-45	10/02/23	5.5-15.5	137.20	140.02	11.85	128.17
W-46	10/02/23	16-26	132.39	134.74	13.51	121.23
W-47	10/02/23	34.5-44.5	140.70	141.90	25.89	116.01
W-48	10/02/23	31.5-41.5	139.74	142.56	26.08	116.48
W-49	10/02/23	108-118	137.82	140.25	28.36	111.89
W-50	10/02/23	115-125	136.79	139.58	22.77	116.81
W-51	10/02/23	9.5-14.5	136.67	136.51	8.25	128.26
W-52	10/02/23	10.5-15.5	136.71	136.19	8.14	128.05
W-53	10/02/23	11-16	136.83	136.54	8.40	128.14
W-54	10/02/23	11-16	136.79	136.52	8.56	127.96
W-55	10/02/23	10-15	136.90	136.63	8.77	127.86
W-56	10/02/23	10-15	136.83	136.68	8.86	127.82
W-57	10/02/23	10-15	136.90	136.73	9.28	127.45
W-58	10/02/23	10.5-15.5	136.85	136.37	10.13	126.24
W-59	10/02/23	9.5-14.5	136.10	136.42	10.32	126.10
W-60	10/02/23	33-38	137.25	140.20	21.71	118.49
W-61	10/02/23	13.5-23.5	137.34	140.60	17.99	122.61
W-62	10/02/23	20-25	125.63	128.38	13.17	115.21
W-63	10/02/23	37-42	138.78	141.02	26.27	114.75
W-64	10/02/23	21.5-31.5	140.15	142.75	26.14	116.61

Table 2 - Groundwater Levels and Elevations
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well	Date	Screen Interval (ft bgs)	Ground Elevation (ft)	Top of Casing Elevation (ft)	Depth to Water (ft btoc)	Water Elevation (ft)
W-65	10/02/23	26.5-31.5	138.17	140.95	13.04	127.91
W-66	10/02/23	12.5-22.5	138.01	140.91	12.71	128.20
W-67	10/02/23	22-32	132.60	135.26	17.23	118.03
W-68	10/02/23	13-18	113.40	116.53	6.45	110.08
W-69	10/02/23	8-18	137.67	140.64	8.07	132.57
W-70	10/02/23	44-49	138.02	141.00	11.81	129.19
W-71	10/02/23	93-103	137.96	140.72	23.53	117.19
W-72	10/02/23	5-15	136.81	136.29	8.33	127.96
W-73	10/02/23	6-16	136.85	136.45	8.73	127.72
W-74	10/02/23	25.5-30.5	136.64	139.93	12.55	127.38
W-75	10/02/23	5.5-15.5	136.60	139.85	12.15	127.70
W-76	10/02/23	5-15	137.04	136.85	9.86	126.99
W-77	10/02/23	5.5-15.5	136.85	136.53	8.95	127.58
W-78	10/02/23	5.5-15.5	136.75	136.31	9.24	127.07
W-79	10/02/23	5.5-15.5	136.49	136.12	8.15	127.97
W-80	10/02/23	5.5-15.5	136.34	135.87	9.74	126.13
W-81	10/02/23	5.5-15.5	136.81	136.43	11.28	125.15
W-82	10/02/23	5.5-15.5	136.57	136.23	11.84	124.39
W-83	10/02/23	16.5-26.5	136.22	135.81	13.55	122.26
W-84	10/02/23	11-21	136.66	135.99	6.86	129.13
W-85	10/02/23	40-45	135.74	138.69	20.01	118.68
W-86	10/02/23	25-35	135.68	138.77	18.80	119.97
W-87	10/02/23	28-33	136.66	136.39	7.69	128.70
W-88	10/02/23	36.5-41.5	140.06	143.10	22.85	120.25
W-89	10/02/23	15.5-25.5	140.12	142.82	21.60	121.22
W-90	10/02/23	35-40	140.23	143.33	26.92	116.41
W-91	10/02/23	15-25	139.57	142.81	26.77	116.04
W-92	10/02/23	29-34	120.11	123.33	15.62	107.71
W-93	10/02/23	30.5-35.5	136.87	136.49	9.31	127.18
W-94	10/02/23	24.5-29.5	115.28	118.04	9.84	108.20
W-95	10/02/23	28.5-33.5	113.53	116.40	8.43	107.97
W-96	10/02/23	25-30	113.65	116.46	8.87	107.59
W-97	10/02/23	14-19	113.92	116.93	5.26	111.67
W-98	10/02/23	17-27	135.52	138.65	24.07	114.58
W-99	10/02/23	16-21	129.78	133.84	12.04	121.80
W-100	10/02/23	7-12	129.47	133.47	10.37	123.10
W-102	10/02/23	28.5-33.5	137.08	136.86	10.17	126.69
W-103	10/02/23	34.5-39.5	132.56	134.87	18.05	116.82
W-104	10/02/23	7.5-17.5	115.45	118.48	6.97	111.51
W-105	10/02/23	14-24	114.80	117.57	9.93	107.64
W-106	10/02/23	24.5-29.5	115.68	118.69	10.96	107.73
W-107	10/02/23	29-34	112.27	115.23	7.53	107.70
W-108	10/02/23	27-32	111.93	115.41	7.83	107.58
W-109	10/02/23	27-32	112.81	115.68	8.03	107.65
W-110	10/02/23	29-34	113.21	116.42	8.50	107.92
W-111	10/02/23	76-81	113.68	116.92	5.47	111.45
W-112	10/02/23	29-34	112.93	116.07	8.00	108.07
W-113	10/02/23	31-36	135.66	138.55	9.80	128.75
W-114	10/02/23	10-20	135.54	138.75	9.23	129.52
W-115	10/02/23	40.5-45.5	139.06	141.71	18.17	123.54
W-116	10/02/23	10-20	138.99	141.91	17.77	124.14
W-117	10/02/23	39-44	140.82	143.76	22.14	121.62
W-118	10/02/23	19.5-29.5	140.78	143.74	20.18	123.56
W-119	10/02/23	25-30	139.48	142.24	15.36	126.88
W-120	10/02/23	29-34	139.26	142.34	13.79	128.55
W-121	10/02/23	12-22	139.12	142.24	13.86	128.38
W-122	10/02/23	25-30	134.29	136.84	8.14	128.70

Table 2 - Groundwater Levels and Elevations
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well	Date	Screen Interval (ft bgs)	Ground Elevation (ft)	Top of Casing Elevation (ft)	Depth to Water (ft btoc)	Water Elevation (ft)
W-123	10/02/23	29-34	136.30	136.05	13.61	122.44
W-124	10/02/23	26-31	115.26	117.73	10.13	107.60
W-125	10/02/23	40-45	114.65	117.84	10.17	107.67
W-126	10/02/23	37.5-42.5	113.53	115.89	8.37	107.52
PZ-1	10/02/23	7-17	113.54	116.27	8.33	107.94
CANAL SG	10/02/23	NA	NS	106.01	0.02	106.03
CREEK SG	10/02/23	NA	NS	105.05	0.94	105.99
ENTRANCE SG	10/02/23	NA	NS	108.57	0.54	109.11
GATOR SG	10/02/23	NA	NS	116.31	1.50	117.81
LOWER SG	10/02/23	NA	NS	108.39	0.88	109.27
UPPER 2 SG	10/02/23	NA	NS	108.56	0.71	109.27
UPPER SG	10/02/23	NA	NS	108.41	1.02	109.43

Notes:

ft - feet

bgs - below ground surface

btoc - below top of casing

SG - staff gage

NA - not applicable

NS - not surveyed

Table 3 - Groundwater Field Stability Parameters
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Stability Parameter	Dissolved Oxygen	ORP	pH	Specific Conductivity	Temprature	Turbidity
Unit	mg/L	mv	SU	us/cm	degrees C	NTU
Well Name						
W-RW1	4.10	231.4	5.66	81.82	23.61	12.04
W-RW2	0.83	308.8	5.47	213.16	19.75	0
W-3A	0.17	140.7	5.06	26.18	19.38	0.63
W-4R	0.55	169.9	5.91	158.01	20.04	1.15
W-6	0.19	184.1	6.44	2900.91	25.03	24.56
W-7A	0.22	137.6	6.99	2560.79	22.04	19.87
W-10	0.21	147	6.25	431.65	23.59	1.05
W-11	0.53	169.5	5.52	289.39	24.16	6.5
W-13R	0.23	167.6	6.30	732.11	26.18	488.58
W-14	0.23	-29.5	6.39	631.41	21.06	14.12
W-15	0.42	96.3	6.19	608.85	21.9	106.33
W-16	0.22	-0.8	6.36	389.66	23.42	6.48
W-17	0.40	129.7	6.59	452.64	22.1	68.32
W-18R	0.48	140.5	7.30	3143.08	23.21	15.21
W-19B	3.43	246.8	5.54	81.43	17.52	0
W-20	0.20	133.1	5.46	123.56	18.97	0
W-22	0.25	230.2	5.69	1207.02	24.2	0
W-23R	3.96	263.8	5.28	51.72	16.78	0
W-24	0.19	87.3	5.52	52.79	21.18	2.81
W-25	0.25	-60	6.38	142.47	18.53	1.4
W-26	0.57	227.5	5.86	198.33	19.44	0.34
W-27	0.21	-80.8	6.50	371.56	19.16	0.9
W-28	2.64	221	6.63	619.40	25.17	1.36
W-29	0.25	173	6.23	500.33	24.43	0.37
W-30	0.25	205.2	6.07	1209.87	25.52	1.21
W-32	0.45	103.3	6.62	1431.88	21.3	0
W-33	0.35	240.6	5.82	128.39	20.5	0
W-35	4.36	196.3	6.12	144.39	22.57	0.21
W-36	1.02	237.2	5.58	44.64	22.6	5.17
W-37	4.84	161.5	5.96	127.29	23.78	1.71
W-38	2.96	256.3	5.48	164.73	25.22	106.43
W-39	1.13	322	5.56	649.69	20.15	0
W-40	0.45	173.6	6.14	90.31	22.15	17.87
W-41R	3.73	270.1	5.53	428.92	19.87	0
W-42	1.42	283.9	5.10	58.79	19.72	0
W-43	3.92	271.7	5.31	92.46	22.07	5.32
W-44	3.38	252	5.20	83.21	17.45	0
W-45	0.25	-88.9	6.37	160.26	23.62	8.82
W-46	0.36	248.4	5.69	206.21	19.47	0
W-47	0.39	211.9	6.12	580.99	18.55	1.47
W-48	1.46	271.2	5.47	114.49	19.28	7.3
W-49	1.15	90.6	5.52	37.73	21.53	97.74
W-50	0.27	211.6	5.12	28.82	19.31	22.45
W-51	0.18	-189.7	6.91	247.43	27.74	5.94
W-52	0.81	124.7	5.86	174.01	27.04	4.57
W-53	0.17	-189	6.25	173.80	25.7	0.64
W-54	2.50	100.1	5.95	135.62	26.13	3.5
W-55	4.31	230.4	5.98	132.50	23.98	0.55
W-56	3.81	210.1	5.95	130.11	24.44	1.05
W-57	0.42	175.7	5.87	144.73	27.01	3.28
W-58	0.19	155.3	6.41	243.65	27.32	0
W-59	0.27	226.8	5.88	878.44	27.7	0
W-60	0.27	2.3	5.84	109.51	19.9	69.47
W-61	3.92	182.7	5.27	123.29	20.44	29.15
W-62	2.91	273.3	5.55	86.32	17.77	0
W-63	0.60	123.2	6.68	391.04	18.96	0
W-64	0.25	218.8	6.00	498.93	18.49	0.32
W-65	0.28	236.9	5.93	112.58	19.32	0
W-66	1.10	317.3	5.40	84.39	20.24	0
W-67	0.31	209.9	5.88	190.72	17.78	0
W-68	4.97	260.1	5.42	86.34	17.25	0
W-69	0.23	220.7	4.65	62.38	22.67	14.14
W-70	5.68	240.1	5.17	51.28	21.48	4.8
W-71	0.48	32.6	5.83	40.84	17.1	0
W-72	2.77	160.6	6.18	181.55	25.16	28.01
W-73	0.80	193.1	5.64	137.22	25.57	0.8
W-74	1.77	255.1	5.51	134.35	22.04	1.61
W-75	0.18	-82.2	6.10	137.30	24.27	1.02

Table 3 - Groundwater Field Stability Parameters
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Stability Parameter	Dissolved Oxygen	ORP	pH	Specific Conductivity	Temprature	Turbidity
Unit	mg/L	mv	SU	us/cm	degrees C	NTU
Well Name						
W-76	3.69	325	4.51	155.05	27.33	0.41
W-77	0.24	-137.3	11.73	5649.25	27.11	0.38
W-78	1.69	164.4	6.18	264.31	25.27	3.93
W-79	4.76	168.4	6.27	187.09	26.9	0
W-80	3.01	191.9	5.34	332.02	26.25	3.19
W-81	0.91	130.5	5.85	266.94	22.73	0.17
W-82	0.56	205.1	5.33	169.41	24.14	154.55
W-83	1.10	211.5	5.65	134.87	21.83	20.43
W-84	0.20	106.8	5.63	148.83	24.57	2.08
W-85	0.30	-108.5	10.06	236.69	21.67	9.02
W-86	0.38	66.1	5.74	268.21	22.25	10.35
W-87	0.20	136.6	6.51	94.52	24.24	65.9
W-88	6.30	264.6	5.52	68.24	19.38	0
W-89	5.83	280.7	5.38	63.48	19.12	0
W-90	4.54	313.7	5.37	69.18	19.13	0
W-91	4.86	318.4	5.19	71.96	20.42	4.62
W-92	0.22	-35.5	6.30	263.25	18.94	22.27
W-93	1.17	190.5	5.60	141.47	23.33	2.71
W-94	0.18	-20.8	6.15	167.86	16.85	0
W-95	0.19	-55	6.36	226.70	18.68	5.6
W-96	0.15	-44.6	6.23	243.87	20.22	65.4
W-97	0.18	107.3	5.95	250.26	18.85	2.94
W-98	0.81	251.3	5.29	153.76	16.28	1.23
W-99	0.40	-152.1	6.88	567.78	22.54	1.18
W-100	0.80	70.8	6.36	443.88	23.39	0
W-102	0.17	170.4	6.59	898.92	22.67	2.81
W-103	1.68	242.2	5.65	155.99	18.74	0
W-104	0.27	138	5.63	211.76	18.08	2.99
W-105	0.18	-108.1	6.62	348.21	18.73	3.82
W-106	0.45	-47.9	6.17	329.42	19.95	133.67
W-107	0.15	-34.3	6.14	189.20	19.86	0
W-108	0.20	-52.4	6.31	186.00	15.84	0
W-109	0.22	-3.3	6.03	96.12	17.13	2.12
W-110	0.19	104	5.38	30.26	19.13	38.87
W-111	0.14	189	5.05	24.09	17.94	10.29
W-112	0.20	-76.7	6.45	223.08	16.22	5.87
W-113	0.85	140.7	5.80	104.18	23.57	44.53
W-114	2.14	148	5.74	92.64	22.51	34.95
W-115	4.01	230.5	5.40	98.92	21.34	11.66
W-116	7.07	264.1	4.82	110.57	21.11	0
W-117	3.67	210.1	5.68	87.41	20.87	9.66
W-118	1.97	266.7	5.37	89.13	19.08	9.23
W-119	0.24	277	5.17	84.05	20.32	0
W-120	0.30	226.7	5.73	139.35	21.13	0
W-121	0.22	235.2	5.01	83.35	21.37	0
W-122	0.20	84.7	5.99	40.12	21.67	0
W-123	0.41	73.1	7.97	1545.25	24.18	35.71
W-124	0.14	57.2	5.74	115.25	19.3	46.35
W-125	0.16	-68.8	6.20	357.98	17.6	35.72
W-126	0.28	-67.3	6.38	248.55	20.1	65.81

Notes:
C - Celsius
SU - Standard Units
us/cm - microsiemens per centimeter
mg/L - milligrams per liter
mv - millivolts
NTU - nephelometric turbidity unit

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW1	W-RW2	W-3A	W-4R	W-6	W-7A	W-10	W-11	W-13R	W-14	W-15
				Date	10/13/2023	10/13/2023	10/24/2023	10/24/2023	10/10/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/23/2023	10/19/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	0.523 #	NA	NA	NA	4.24	0.566 #	NA	2.95 #	NA	2.84 #
Radiological	Beta particles	50*		pCi/L	NA	10.7	NA	NA	NA	53.3	44.8	NA	33.6	NA	121
Radiological	Tritium			pCi/L	NA	374 #	NA	NA	NA	0 ##	99.4 #	NA	2.03 #	NA	0 ##
Radiological	Technetium-99	900		pCi/L	0.135 #	8.13	1.37 #	2.04 #	2060	133	70.8	1280	81.9	2.16 #	186
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	0.0955 J	< 0.200	< 0.200	0.140 J	0.484	0.101 J	0.0821 J	0.277	0.301	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.0955 J	< 0.200	< 0.200	0.140 J	0.484	0.101 J	0.0821 J	0.277	0.301	< 0.200
Chemical	Fluoride	4	0.8	mg/L	< 0.10	0.25	< 0.10	0.11	0.42	6.8	3.7	< 0.10	9.5	< 0.10	2.5
Chemical	Nitrate as N	10		mg/L	1.8	15	< 0.020	0.039	300	270	8.4	28	19	0.39	48
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	0.47 J	< 1.0	< 1.0	3.1	< 1.0	< 1.0	1.8	0.62 J	0.48 J	1.1
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	1.1	140	< 1.0	< 1.0	20	0.93 J	< 1.0	17	27	0.57 J	9.3
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	11	< 1.0	< 1.0	3.2	< 1.0	< 1.0	2.5	2.5	0.67 J	1.8
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	< 1.00 < 4.0	< 1.00	NA	< 1.00	< 1.00	< 1.00	< 1.00 < 1.00	< 1.00	< 1.00 < 1.00	< 1.00
SVOCs	Naphthalene		0.12	ug/L	NA	0.450 J < 0.16	< 1.00	NA	< 1.00	< 1.00	< 1.00	< 1.00 < 1.00	< 1.00	< 1.00 < 1.00	< 1.00
SVOCs	Tributyl phosphate		5.2	ug/L	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-16	W-17	W-18R	W-19B	W-20	W-22	W-23R	W-24	W-25	W-26	W-27
				Date	10/19/2023	10/16/2023	10/16/2023	10/16/2023	10/24/2023	10/10/2023	10/23/2023	10/23/2023	10/24/2023	10/18/2023	10/20/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units							NA				
Radiological	Alpha particles	15*		pCi/L	1.18 #	NA	3.29 #	NA	NA	4.27	NA	0.600 #	NA	0.837 #	NA
Radiological	Beta particles	50*		pCi/L	13.6	NA	101	NA	NA	24.9	NA	3.12 #	NA	4.71	NA
Radiological	Tritium			pCi/L	192 #	NA	340 #	NA	NA	26.3 #	NA	0 ##	NA	465 #	NA
Radiological	Technetium-99	900		pCi/L	6.00	662	162	2.03 #	2.40 #	35.5	2.83 #	2.73 #	1.59 #	4.90	2.39 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	0.0202 J	< 0.0700	< 0.0700	0.0114 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	0.118 J	0.128 J	1.96	< 0.200	< 0.200	0.460	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.118 J	0.128 J	1.98	< 0.200	< 0.200	0.471	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4	0.8	mg/L	8.1	2.8	6.5	< 0.10	< 0.10	5.8	< 0.10	< 0.10	< 0.10	2.1	3.1
Chemical	Nitrate as N	10		mg/L	1.9	17	400	3.5	< 0.020	84	0.75	< 0.020	0.043	2.5	0.026
VOCs	Acetone		18000	ug/L	NA	< 20	< 20	< 20	NA	NA	NA	NA	NA	< 20	NA
VOCs	Benzene	5	0.46	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Bromoform		3.3	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Bromomethane		7.5	ug/L	NA	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	< 2.0	NA
VOCs	2-Butanone		5600	ug/L	NA	< 10	< 10	< 10	NA	NA	NA	NA	NA	< 10	NA
VOCs	Carbon disulfide		810	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Chloroethane		8300	ug/L	NA	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	< 2.0	NA
VOCs	Chloroform		0.22	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Chloromethane		190	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Cyclohexane		13000	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	< 2.0	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	0.43 J	1.5	< 1.0	< 1.0	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	2-Hexanone		38	ug/L	NA	< 10	< 10	< 10	NA	NA	NA	NA	NA	< 10	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Methyl acetate		20000	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	< 10	< 10	< 10	NA	NA	NA	NA	NA	< 10	NA
VOCs	Methylcyclohexane		200	ug/L	NA	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	< 5.0	NA
VOCs	Methylene chloride	5	11	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Styrene	100	1200	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Tetrachloroethene	5	11	ug/L	2.0	6.0	1.5	73	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Trichloroethene	5	0.49	ug/L	0.66 J	1.3	< 1.0	1.5	< 1.0	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1.0	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 < 4.0	< 1.00
SVOCs	Naphthalene		0.12	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 < 0.16	< 1.00
SVOCs	Tributyl phosphate		5.2	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-28	W-29	W-30	W-32	W-33	W-35	W-36	W-37	W-38	W-39	W-40
				Date	10/10/2023	10/6/2023	10/10/2023	10/5/2023	10/17/2023	10/17/2023	10/26/2023	10/13/2023	10/10/2023	10/12/2023	10/17/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	1.71 #	7.08	10.6	0.221 #	NA	NA	NA	NA	1.73 #	NA
Radiological	Beta particles	50*		pCi/L	NA	11.3	26.6	148	3.85 #	NA	NA	NA	NA	5.14	NA
Radiological	Tritium			pCi/L	5.72 #	78.7 #	79.1 #	182 #	140 #	NA	NA	NA	NA	24.4 #	NA
Radiological	Technetium-99	900		pCi/L	1.82 #	17.0	43.2	243	2.00 #	1.43 #	0.388 #	1.17 #	0 ##	8.72	1.43 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	0.0462 J	< 0.0700	0.146	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	2.15	0.490	5.76	0.105 J	0.136 J	0.111 J	< 0.200	< 0.200	< 0.200	0.0826 J	0.143 J
Radiological	Total Uranium Isotopes	30		ug/L	2.20	0.490	5.91	0.105 J	0.136 J	0.111 J	< 0.200	< 0.200	< 0.200	0.0826 J	0.143 J
Chemical	Fluoride	4	0.8	mg/L	4.9	2.5	8.9	3.7	0.24	< 0.10	< 0.10	< 0.10	0.36	< 0.10	0.25
Chemical	Nitrate as N	10		mg/L	0.27	39	130	130	4.4	3.0	0.51	1.8	3.2	65	3.3
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	13	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0	< 1.0	1.1	94	1.6	< 1.0	< 1.0	0.62 J	450	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	7.0	< 1.0	< 1.0	< 1.0	11	8.5	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.943
SVOCs	Naphthalene		0.12	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.460 J	< 1.00	< 1.00	< 0.943
SVOCs	Tributyl phosphate		5.2	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 9.43

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-41R	W-42	W-43	W-44	W-45	W-46	W-47	W-48	W-49	W-50	W-51
					Date	10/16/2023	10/19/2023	10/11/2023	10/16/2023	10/16/2023	10/17/2023	10/19/2023	10/18/2023	10/19/2023	10/17/2023	10/3/2023
					Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units												
Radiological	Alpha particles	15*		pCi/L		1.57 #	NA	3.41	1.58 #	NA	NA	0.126 #	0.326 #	NA	NA	NA
Radiological	Beta particles	50*		pCi/L		5.60	NA	4.93	6.49	NA	NA	59.5	4.17 #	NA	NA	NA
Radiological	Tritium			pCi/L		233 #	NA	125 #	0 ##	NA	NA	0 ##	60.8 #	NA	NA	NA
Radiological	Technetium-99	900		pCi/L		6.99	6.54	0 ##	0 ##	0.385 #	49.0	85.4	14.5	3.95 #	1.62 #	0 ##
Radiological	Uranium-233/234			pCi/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.121 #
Radiological	Uranium-235/236			pCi/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #
Radiological	Uranium-238		2.68	pCi/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0188 #
Radiological	Percent Uranium-235			%		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #
Radiological	Uranium-234			ug/L		< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L		< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L		< 0.200	< 0.200	< 0.200	< 0.200	0.372	0.117 J	< 0.200	< 0.200	< 0.200	0.236	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L		< 0.200	< 0.200	< 0.200	< 0.200	0.372	0.117 J	< 0.200	< 0.200	< 0.200	0.236	< 0.200
Chemical	Fluoride	4	0.8	mg/L		< 0.10	1.6	< 0.10	< 0.10	0.48	< 0.10	4.7	0.43	< 0.10	< 0.10	0.18
Chemical	Nitrate as N	10		mg/L		42	3.3	6.4	1.9	0.049	3.7	41	5.5	< 0.020	< 0.020	0.069
VOCs	Acetone		18000	ug/L		< 20	NA	NA	< 20	< 20	NA	NA	< 20	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Bromoform		3.3	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L		< 2.0	NA	NA	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA
VOCs	2-Butanone		5600	ug/L		< 10	NA	NA	< 10	< 10	NA	NA	< 10	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Chloroethane		8300	ug/L		< 2.0	NA	NA	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA
VOCs	Chloroform		0.22	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Chloromethane		190	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L		< 2.0	NA	NA	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L		3.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L		< 1.0	NA	NA	< 1.0	1.1	NA	NA	< 1.0	NA	NA	NA
VOCs	2-Hexanone		38	ug/L		< 10	NA	NA	< 10	< 10	NA	NA	< 10	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L		< 1.0	NA	NA	< 1.0	0.97 J	NA	NA	< 1.0	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L		< 10	NA	NA	< 10	< 10	NA	NA	< 10	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L		< 5.0	NA	NA	< 5.0	0.47 J	NA	NA	< 5.0	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Styrene	100	1200	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L		180	< 1.0	0.75 J	< 1.0	< 1.0	3.1	1.3	210	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L		7.8	< 1.0	< 1.0	< 1.0	< 1.0	0.69 J	0.42 J	4.9	< 1.0	< 1.0	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L		< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L		< 1.00 < 4.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 < 4.0	< 1.00	NA	NA
SVOCs	Naphthalene		0.12	ug/L		< 1.00 < 0.16	< 1.00	< 1.00	< 1.00	5.15	< 1.00	< 1.00	< 1.00 < 0.16	< 1.00	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-52	W-53	W-54	W-55	W-56	W-57	W-58	W-59	W-60	W-61	W-62
				Date	10/3/2023	10/3/2023	10/3/2023	10/12/2023	10/12/2023	10/6/2023	10/6/2023	10/10/2023	10/4/2023	10/4/2023	10/17/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.423 #	0 ##	0 ##	0.0992 #	2.13 #	0.0147 #	0.586 #	20.5	0.123 #	0 ##	0.131 #
Radiological	Uranium-233/234			pCi/L	0.164 #	0.0599 #	0.161 #	NA	NA	NA	NA	NA	0.0772 #	0.0820 #	NA
Radiological	Uranium-235/236			pCi/L	0 #	0.0735 #	0.113	NA	NA	NA	NA	NA	0.0220 #	0.0923 #	NA
Radiological	Uranium-238		2.68	pCi/L	0.106 #	0.165	0.123 #	NA	NA	NA	NA	NA	0.0534 #	0.0746 #	NA
Radiological	Percent Uranium-235			%	0 #	0 #	12.5	NA	NA	NA	NA	NA	0 #	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	0.0250 J	0.177	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	2.50	18.2	< 0.0700	0.0182 J	0.220	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	0.0877 J	< 0.200	< 0.200	71.4	534	< 0.200	0.482	6.93	< 0.200	< 0.200	0.126 J
Radiological	Total Uranium Isotopes	30		ug/L	0.0877 J	< 0.200	< 0.200	73.9	552	< 0.200	0.500	7.15	< 0.200	< 0.200	0.126 J
Chemical	Fluoride	4	0.8	mg/L	0.98	< 0.10	0.13	< 0.10	0.35	< 0.10	0.12	2.9	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	0.79	0.30	1.2	1.5	2.5	1.4	5.8	80	0.15	2.3	3.6
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 1.0	61
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.80 J	< 1.0	0.87 J
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-63	W-64	W-65	W-66	W-67	W-68	W-69	W-70	W-70	W-71	W-72
				Date	10/12/2023	10/19/2023	10/12/2023	10/12/2023	10/23/2023	10/17/2023	10/18/2023	10/18/2023	10/18/2023	10/18/2023	10/9/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	20.3	72.6	0.483 #	1.70 #	45.7	2.18 #	0.968 #	1.20 #	0.211 #	1.50 #	0.833 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	0.0186 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0235 J
Radiological	Uranium-238		4	ug/L	1.77	< 0.200	0.256	0.0900 J	< 0.200	0.139 J	< 0.200	< 0.200	< 0.200	0.135 J	0.568
Radiological	Total Uranium Isotopes	30		ug/L	1.79	< 0.200	0.256	0.0900 J	< 0.200	0.139 J	< 0.200	< 0.200	< 0.200	0.135 J	0.592
Chemical	Fluoride	4	0.8	mg/L	< 0.10	4.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.82
Chemical	Nitrate as N	10		mg/L	7.1	40	1.6	2.1	11	2.8	0.45	1.3	1.3	0.055	2.0
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	17	26	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	2.4	0.83 J	520	740	43	58	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	1.3	< 1.0	49	21	7.7	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-73	W-74	W-75	W-76	W-77	W-78	W-79	W-80	W-81	W-82	W-83
				Date	10/9/2023	10/12/2023	10/13/2023	10/10/2023	10/9/2023	10/9/2023	10/6/2023	10/6/2023	10/9/2023	10/9/2023	10/9/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.935 #	1.91 #	2.11 #	2.44 #	1.10 #	0.237 #	1.01 #	1.27 #	0.577 #	0 ##	3.31 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	0.0260 J	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	0.124	2.58	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	0.0674 J	0.0799 J	3.52	57.5	< 0.200	< 0.200	< 0.200	< 0.200	0.0807 J	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.0674 J	0.0799 J	3.65	60.1	< 0.200	< 0.200	< 0.200	< 0.200	0.0807 J	< 0.200
Chemical	Fluoride	4	0.8	mg/L	< 0.10	< 0.10	0.11	2.0	10	13	0.84	0.17	< 0.10	< 0.10	0.15
Chemical	Nitrate as N	10		mg/L	0.87	6.2	0.60	11	5.4	8.6	3.4	12	3.0	1.0	0.85
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	0.70 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	0.60 J	9.7	0.90 J	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	2.6	0.42 J	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-84	W-85	W-86	W-87	W-88	W-89	W-90	W-91	W-91	W-92	W-93
				Date	10/9/2023	10/18/2023	10/18/2023	10/17/2023	10/16/2023	10/16/2023	10/13/2023	10/13/2023	10/13/2023	10/20/2023	10/6/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	1.15 #	1.55 #	0 ##	1.75 #	0.379 #	4.12	2.64 #	3.01 #	2.44 #	3.43 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	< 0.200	< 0.200	0.374	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	0.374	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4	0.8	mg/L	< 0.10	0.29	0.50	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.24	< 0.10
Chemical	Nitrate as N	10		mg/L	0.034	0.11	< 0.020	0.70	3.1	2.0	2.3	2.7	2.7	0.026	6.2
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0	< 1.0	33	1.6	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	28
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	< 1.0	< 1.0	6.6	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	3.7
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-94	W-95	W-96	W-97	W-98	W-99	W-100	W-102	W-103	W-104	W-105
				Date	10/25/2023	10/25/2023	10/23/2023	10/23/2023	10/19/2023	10/11/2023	10/11/2023	10/10/2023	10/23/2023	10/24/2023	10/20/2023
				Type	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	2.81 #	58.0	8.92	45.9	3.33 #	100	24.3	1.56 #	1.54 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0307 J	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	1.56	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	1.59	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4	0.8	mg/L	< 0.10	< 0.10	< 0.10	0.27	< 0.10	3.1	1.8	3.2	< 0.10	< 0.10	0.46
Chemical	Nitrate as N	10		mg/L	0.039	0.041	< 0.020	10	8.9	0.47	3.9	80	7.8	6.0	0.027
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	6.8	3.9	1.0	0.41 J	< 1.0	< 1.0	< 1.0	3.9	0.76 J	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0	< 1.0	13	< 1.0	3.4	< 1.0	35	25	3.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	< 1.0	1.6	2.8	0.48 J	< 1.0	< 1.0	5.2	5.0	1.8	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	1.6	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-106	W-107	W-108	W-108	W-109	W-110	W-111	W-112	W-113	W-114	W-115
				Date	10/19/2023	10/25/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/25/2023	10/25/2023	10/4/2023	10/4/2023	10/4/2023
				Type	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	5.47	0 ##	1.82 #	1.70 #	1.56 #	0.183 #	0 ##	0.794 #	0.377 #	2.82 #	0 ##
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	0.213 #	0 ##	0.122 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0989 #	0.0920 #	0.0844
Radiological	Uranium-238		2.68	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	0.120 #	0.0931 #	0.171
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	7.13
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.174 J	0.0917 J	0.0942 J	0.0699 J	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.174 J	0.0917 J	0.0942 J	0.0699 J	< 0.200
Chemical	Fluoride	4	0.8	mg/L	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	< 0.020	< 0.020	0.032	0.033	< 0.020	< 0.020	0.075	0.041	2.6	0.94	2.5
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	1.1	1.3	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	3.9	0.95 J	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-116	W-117	W-118	W-119	W-120	W-121	W-121	W-122	W-123	W-124	W-125
				Date	10/4/2023	10/4/2023	10/11/2023	10/11/2023	10/11/2023	10/11/2023	10/11/2023	10/26/2023	10/5/2023	10/24/2023	10/20/2023
				Type	N	N	N	N	N	N	FD	N	N	N	N
Group	Analyte	MCL	Tap Water RSL	Units											
Radiological	Alpha particles	15*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.544 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	1.15 #	534	0 ##	0.965 #
Radiological	Uranium-233/234			pCi/L	0 ##	0.118 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0 ##	0.0456 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238		2.68	pCi/L	0.0718 #	0.184	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0137 J	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.169 J	< 0.200	< 0.200	< 0.200	1.78	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.169 J	< 0.200	< 0.200	< 0.200	1.79	< 0.200	< 0.200
Chemical	Fluoride	4	0.8	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	9.8	< 0.10	0.14
Chemical	Nitrate as N	10		mg/L	5.5	2.2	2.8	1.4	3.4	2.5	2.6	< 0.020	120	< 0.020	0.028
VOCs	Acetone		18000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	12	74	68	330	28	28	< 1.0	30	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	0.97 J	2.2	2.7	15	1.3	1.0	< 1.0	8.7	< 1.0	< 1.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4 - October 2023 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-125	W-126
				Date	10/20/2023	10/23/2023
				Type	FD	N
Group	Analyte	MCL	Tap Water RSL	Units		
Radiological	Alpha particles	15*		pCi/L	NA	NA
Radiological	Beta particles	50*		pCi/L	NA	NA
Radiological	Tritium			pCi/L	NA	NA
Radiological	Technetium-99	900		pCi/L	0.631 #	1.96 #
Radiological	Uranium-233/234			pCi/L	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA
Radiological	Uranium-238		2.68	pCi/L	NA	NA
Radiological	Percent Uranium-235			%	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700
Radiological	Uranium-238		4	ug/L	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200
Chemical	Fluoride	4	0.8	mg/L	0.13	0.17
Chemical	Nitrate as N	10		mg/L	0.028	< 0.020
VOCs	Acetone		18000	ug/L	NA	NA
VOCs	Benzene	5	0.46	ug/L	NA	NA
VOCs	Bromodichloromethane		0.13	ug/L	NA	NA
VOCs	Bromoform		3.3	ug/L	NA	NA
VOCs	Bromomethane		7.5	ug/L	NA	NA
VOCs	2-Butanone		5600	ug/L	NA	NA
VOCs	Carbon disulfide		810	ug/L	NA	NA
VOCs	Carbon tetrachloride	5	0.46	ug/L	NA	NA
VOCs	Chlorobenzene	100	78	ug/L	NA	NA
VOCs	Chloroethane		8300	ug/L	NA	NA
VOCs	Chloroform		0.22	ug/L	NA	NA
VOCs	Chloromethane		190	ug/L	NA	NA
VOCs	Cyclohexane		13000	ug/L	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2	0.00033	ug/L	NA	NA
VOCs	Dibromochloromethane		0.87	ug/L	NA	NA
VOCs	1,2-Dibromoethane	0.05	0.0075	ug/L	NA	NA
VOCs	1,2-Dichlorobenzene	600	300	ug/L	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA
VOCs	1,4-Dichlorobenzene	75	0.48	ug/L	NA	NA
VOCs	1,1-Dichloroethane		2.8	ug/L	NA	NA
VOCs	Dichlorodifluoromethane		200	ug/L	NA	NA
VOCs	1,2-Dichloroethane	5	0.17	ug/L	NA	NA
VOCs	1,1-Dichloroethene	7	280	ug/L	NA	NA
VOCs	cis-1,2-Dichloroethene	70	25	ug/L	0.44 J	1.0
VOCs	trans-1,2-Dichloroethene	100	68	ug/L	NA	NA
VOCs	1,2-Dichloropropane	5	0.85	ug/L	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA
VOCs	Ethylbenzene	700	1.5	ug/L	NA	NA
VOCs	2-Hexanone		38	ug/L	NA	NA
VOCs	(1-Methylethyl)-Benzene		450	ug/L	NA	NA
VOCs	Methyl acetate		20000	ug/L	NA	NA
VOCs	Methyl tert-butyl ether		14	ug/L	NA	NA
VOCs	4-Methyl-2-pentanone		6300	ug/L	NA	NA
VOCs	Methylcyclohexane		200	ug/L	NA	NA
VOCs	Methylene chloride	5	11	ug/L	NA	NA
VOCs	Styrene	100	1200	ug/L	NA	NA
VOCs	1,1,2,2-Tetrachloroethane		0.076	ug/L	NA	NA
VOCs	Tetrachloroethene	5	11	ug/L	< 1.0	< 1.0
VOCs	Toluene	1000	1100	ug/L	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane		10000	ug/L	NA	NA
VOCs	1,2,4-Trichlorobenzene	70	1.2	ug/L	NA	NA
VOCs	1,1,1-Trichloroethane	200	8000	ug/L	NA	NA
VOCs	1,1,2-Trichloroethane	5	0.28	ug/L	NA	NA
VOCs	Trichloroethene	5	0.49	ug/L	< 1.0	2.0
VOCs	Trichlorofluoromethane		5200	ug/L	NA	NA
VOCs	Vinyl chloride	2	0.019	ug/L	< 1.0	< 1.0
VOCs	Xylenes, Total	10000	190	ug/L	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6	5.6	ug/L	NA	NA
SVOCs	Naphthalene		0.12	ug/L	NA	NA
SVOCs	Tributyl phosphate		5.2	ug/L	NA	NA

Notes:
MCL - Maximum Contaminant Level
Concentrations in orange shaded cells exceed their MCL
Estimated (J Flagged) concentrations of napthalene exceed the tap water RSL
* - site-specific action level
Bold concentrations indicate detections
J - Result below reporting limit
NA - not analyzed
- value is below minimum detectable concentration
- value shown as zero reported by analytical laboratory as a negative number
pCi/L - picocuries per liter
ug/L - micrograms per liter
mg/L - milligrams per liter
SVOCs - semivolatile organic compounds
VOCs - volatile organic compounds
N - Normal sample
FD - Field duplicate sample

Figures

Legend

Locations

- Property Line
- Topographic Quadrangle Boundary

ID	Topographic Quadrangle Name
1	Southwest Columbia
2	Gaston
3	Fort Jackson South
4	Saylors Lake
5	Congaree
6	Gadsden

0 2,000 4,000 Feet

1:48,000

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

Data Source: Esri/USGS

N

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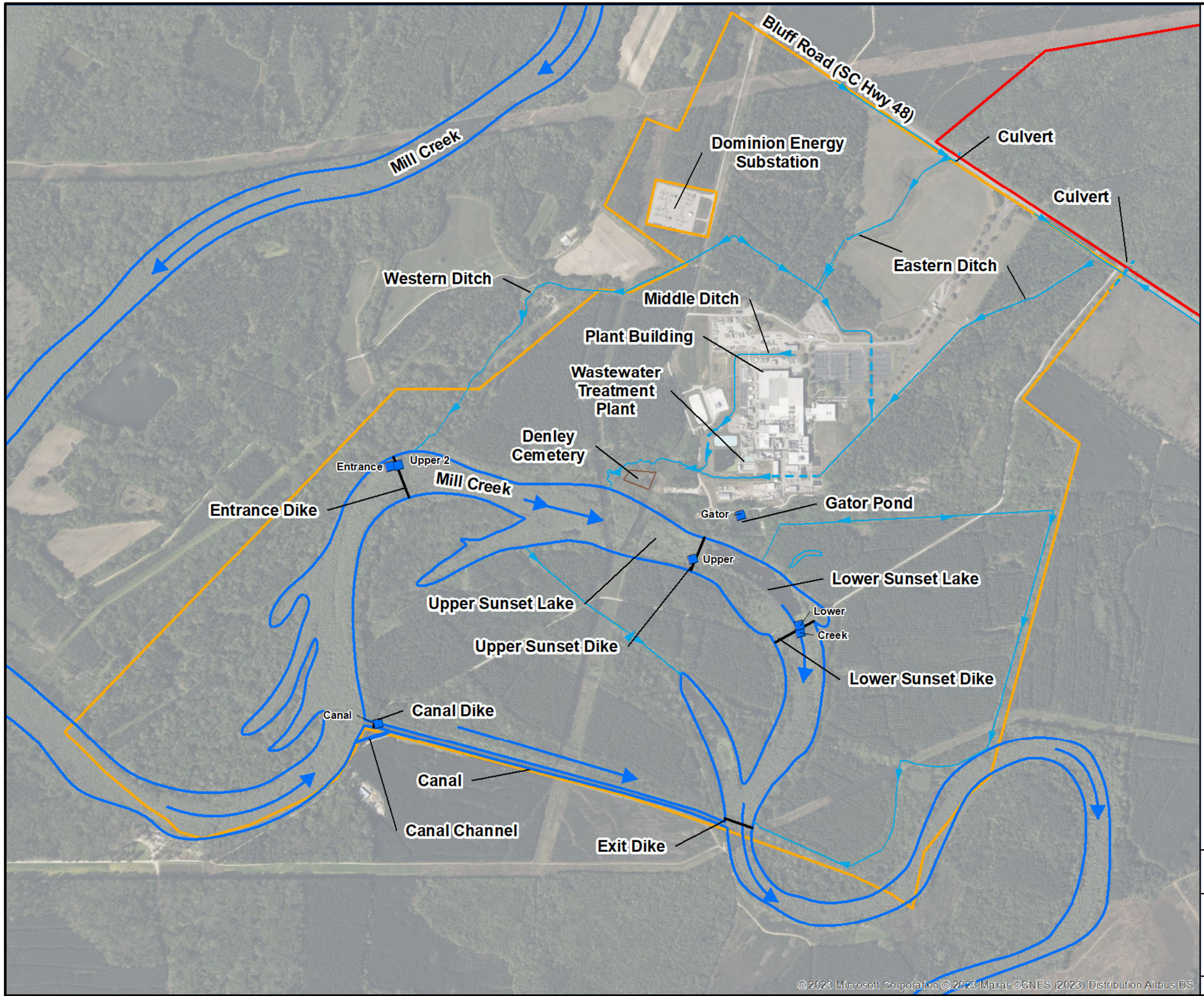
Site Location Map

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60595649	CCS	January 2023	**FIGURE 1**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F1 Site Location Map.mxd



Legend

- Staff Gage Location
- Mill Creek Flow Direction
- Ditch
- Culvert
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Mill Creek
- Dike Location

0 500 1,000 Feet

1:12,000

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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Property Map

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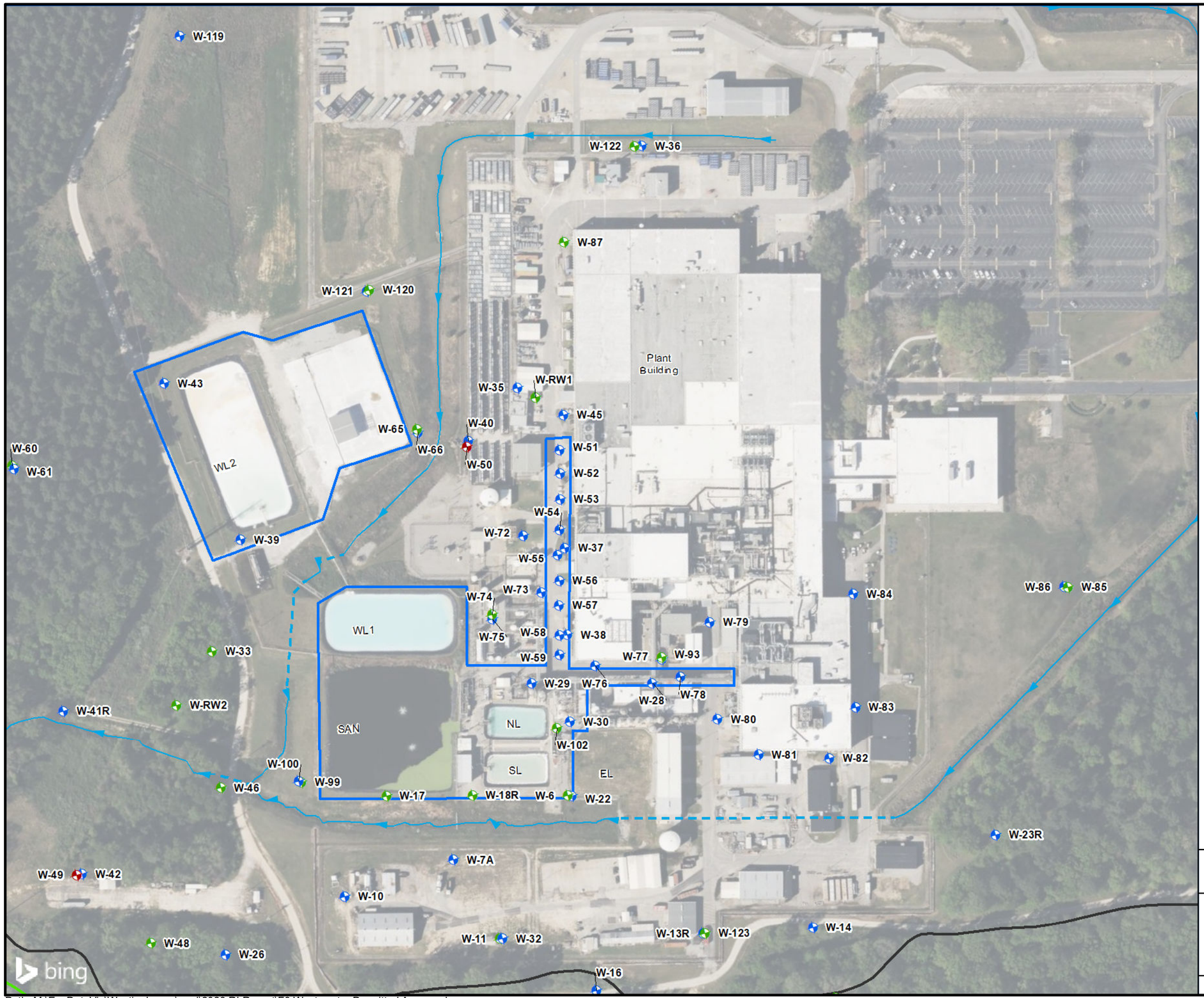
PROJECT NO.	PREPARED BY:	DATE:	
60595649	CCS	January 2023	**FIGURE 2**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F2 Property Map.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Staff Gage Location
- Ditch
- Culvert
- Wastewater Permitted Area
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Secondary Bluff Area

EL	Former East Lagoon
NL	North Lagoon
SL	South Lagoon
SAN	Sanitary Lagoon
WL1	West Lagoon I
WL2	West Lagoon II

0 90 180 Feet

1:2,160

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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Wastewater Permitted Area

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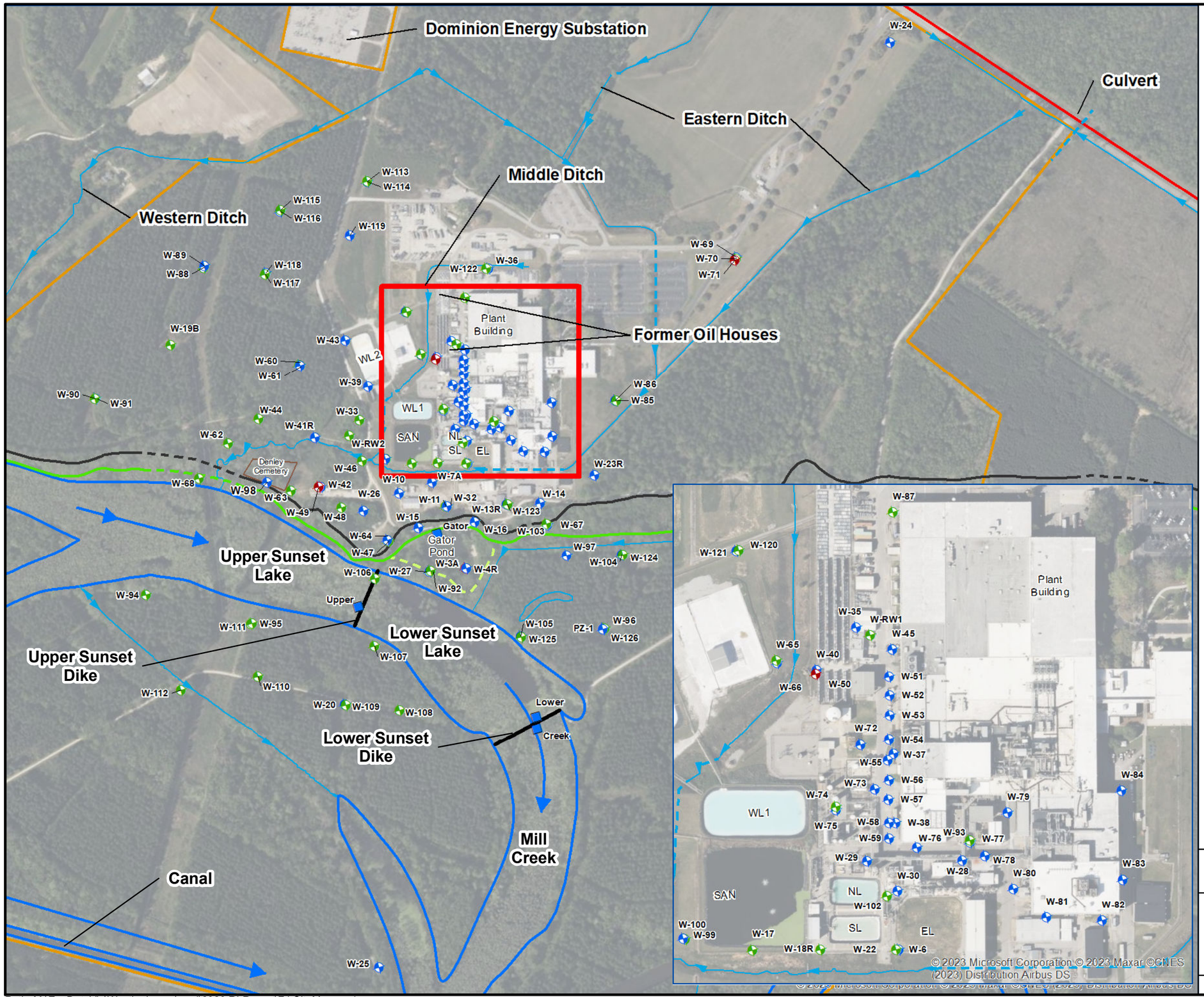
PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	**FIGURE 3**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F3 Wastewater Permitted Area.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Staff Gage Location
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area

EL	Former East Lagoon
NL	North Lagoon
SL	South Lagoon
SAN	Sanitary Lagoon
WL1	West Lagoon I
WL2	West Lagoon II

0 300 600 Feet

1:7,200

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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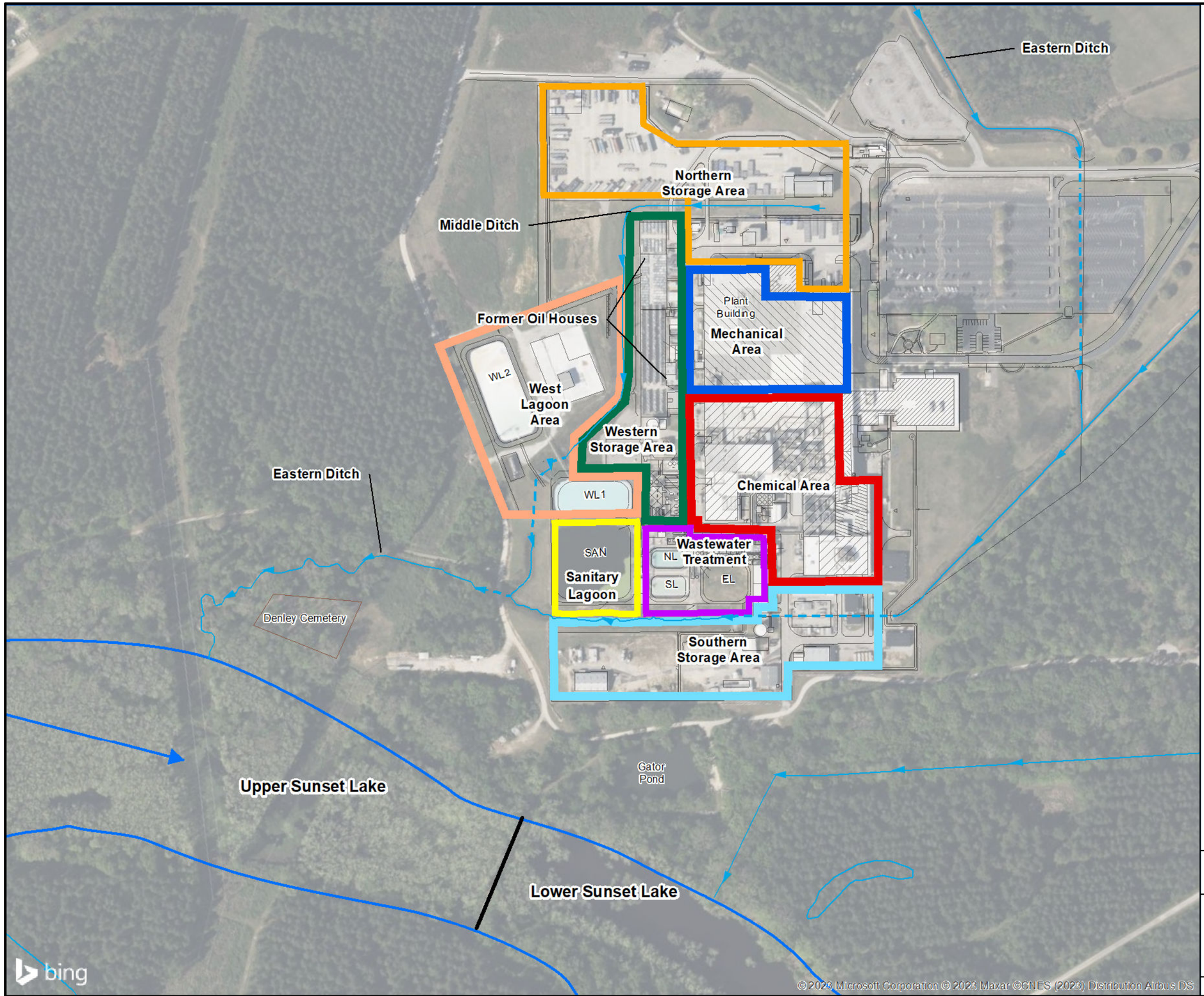
Site Map

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60595649	CCS	January 2023	**FIGURE 4**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F4 SiteMap.mxd



Legend

- Ditch
- Culvert
- Mill Creek Flow Direction
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon I
- WL2 West Lagoon II
- Mill Creek
- Dike Location

Operable Units

- Chemical Area
- Mechanical Area
- Northern Storage Area
- Sanitary Lagoon Area
- Southern Storage Area
- Wastewater Treatment Area
- West Lagoons Area
- Western Storage Area

0 150 300 Feet

1:3,600

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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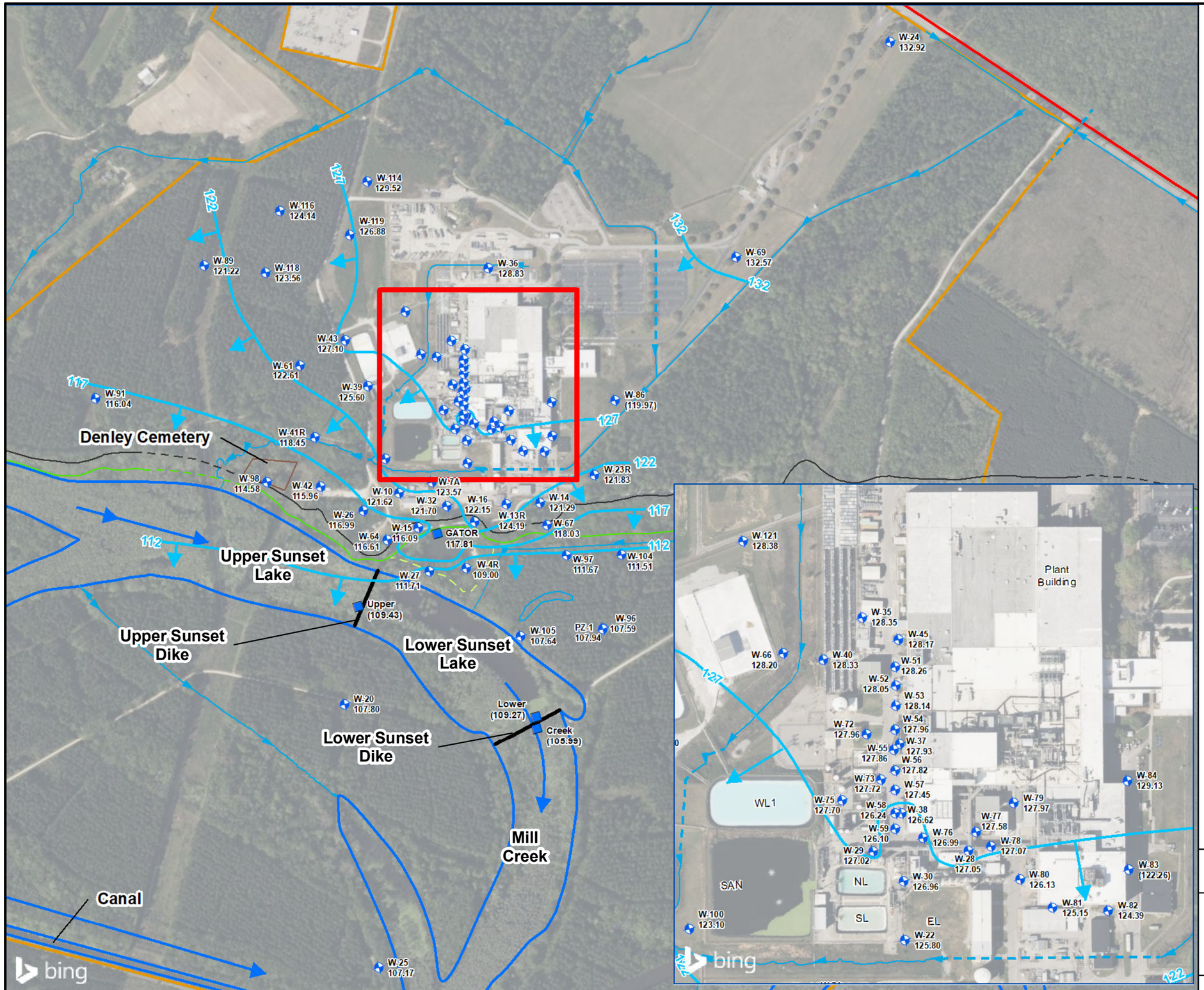
Operational Units Map

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60595649	CCS	January 2024	**FIGURE 5**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F5 Operation Units Map.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Culvert
- Ditch
- Mill Creek Flow Direction
- Dike Location
- Staff Gauge Location
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon I
- WL2 West Lagoon II
- Potentiometric Line (C.I. = 5 feet)
- Direction of Groundwater
- 132.57 Groundwater Elevation
- (122.26) Elevation for illustrative purposes only

Based upon data collected on October 2, 2023

0 300 600 Feet

1:7,200

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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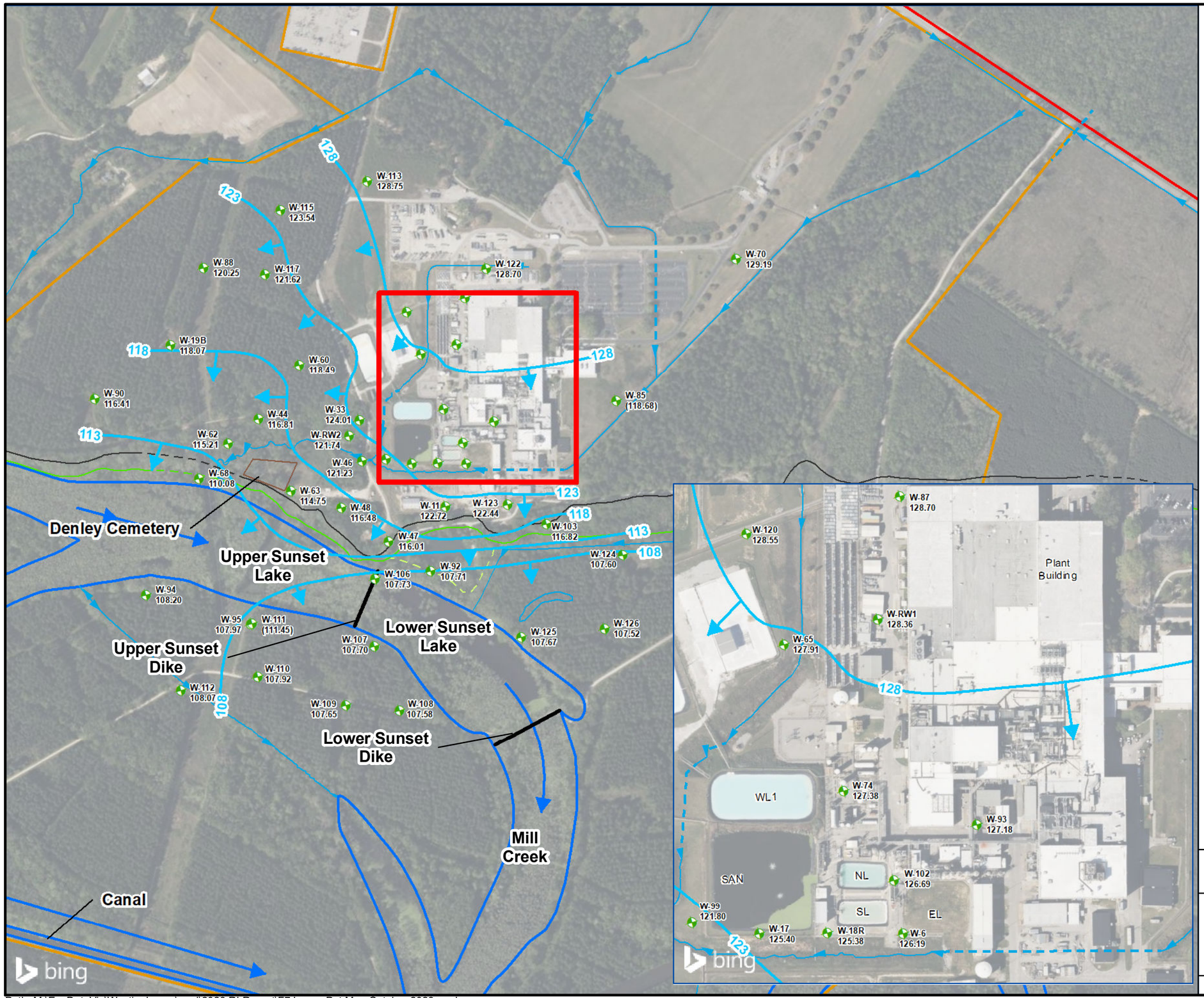
Surficial Aquifer - Upper Zone Potentiometric Map October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 6

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F6 Upper Pot Map October 2023.mxd



Legend

- Surficial Aquifer - Lower Zone Monitoring Well
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Culvert
- Ditch
- Mill Creek Flow Direction
- Dike Location
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon I
- WL2 West Lagoon II
- Potentiometric Line (C.I. = 5 feet)
- Direction of Groundwater

128.70 Groundwater Elevation

(118.68) Elevation for illustrative purposes only

Based upon data collected on October 2, 2023

0 300 600 Feet

1:7,200

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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Surficial Aquifer - Lower Zone Potentiometric Map October 2023

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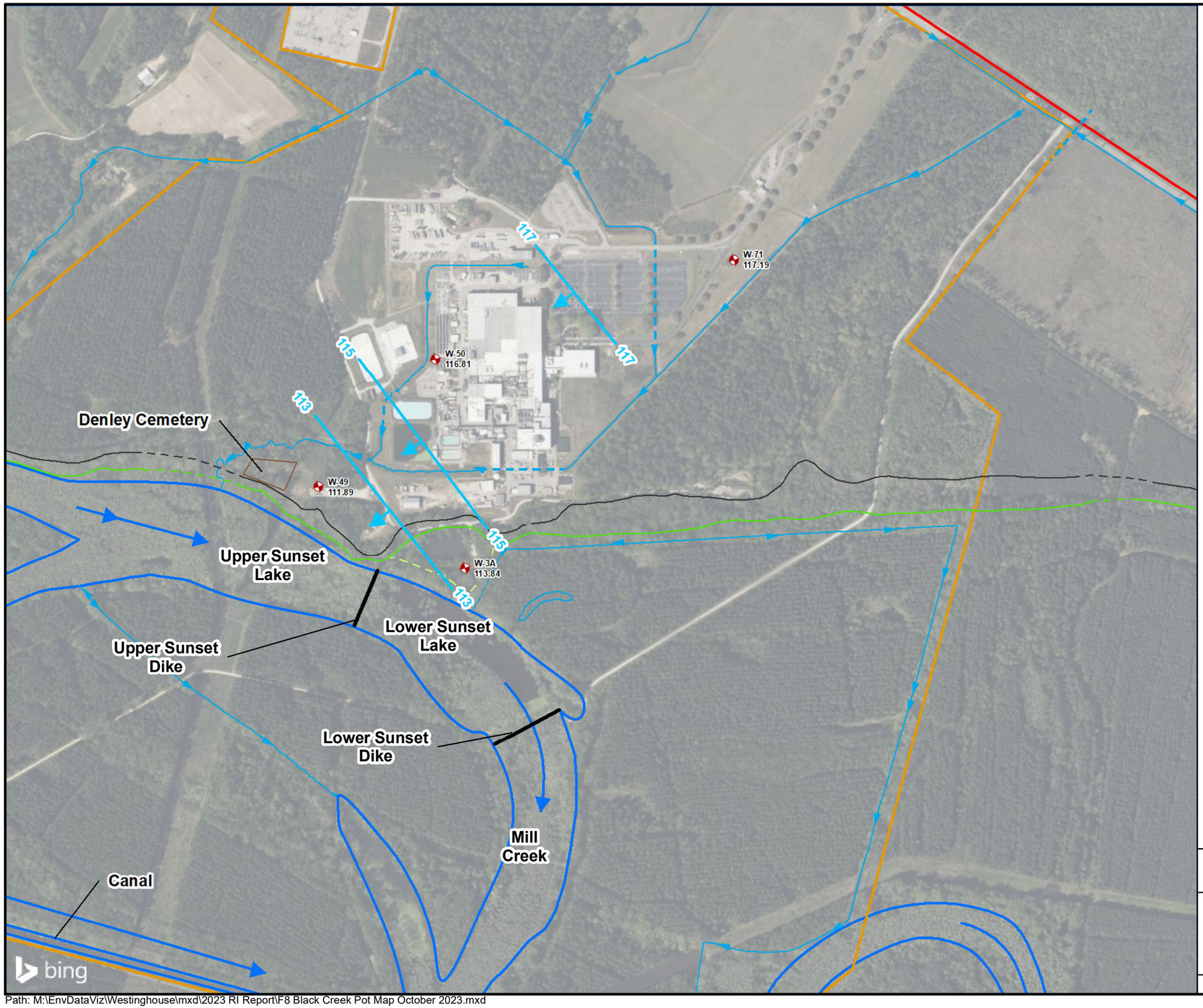
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	**FIGURE 7**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F7 Lower Pot Map October 2023.mxd



Legend

- Black Creek Aquifer Monitoring Well
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Culvert
- Ditch
- Mill Creek Flow Direction
- Dike Location
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon I
- WL2 West Lagoon II
- Potentiometric Line (C.I. = 2 feet)
- Direction of Groundwater
- 117.19 Groundwater Elevation

Based upon data collected on October 2, 2023

0 300 600 Feet

1:7,200

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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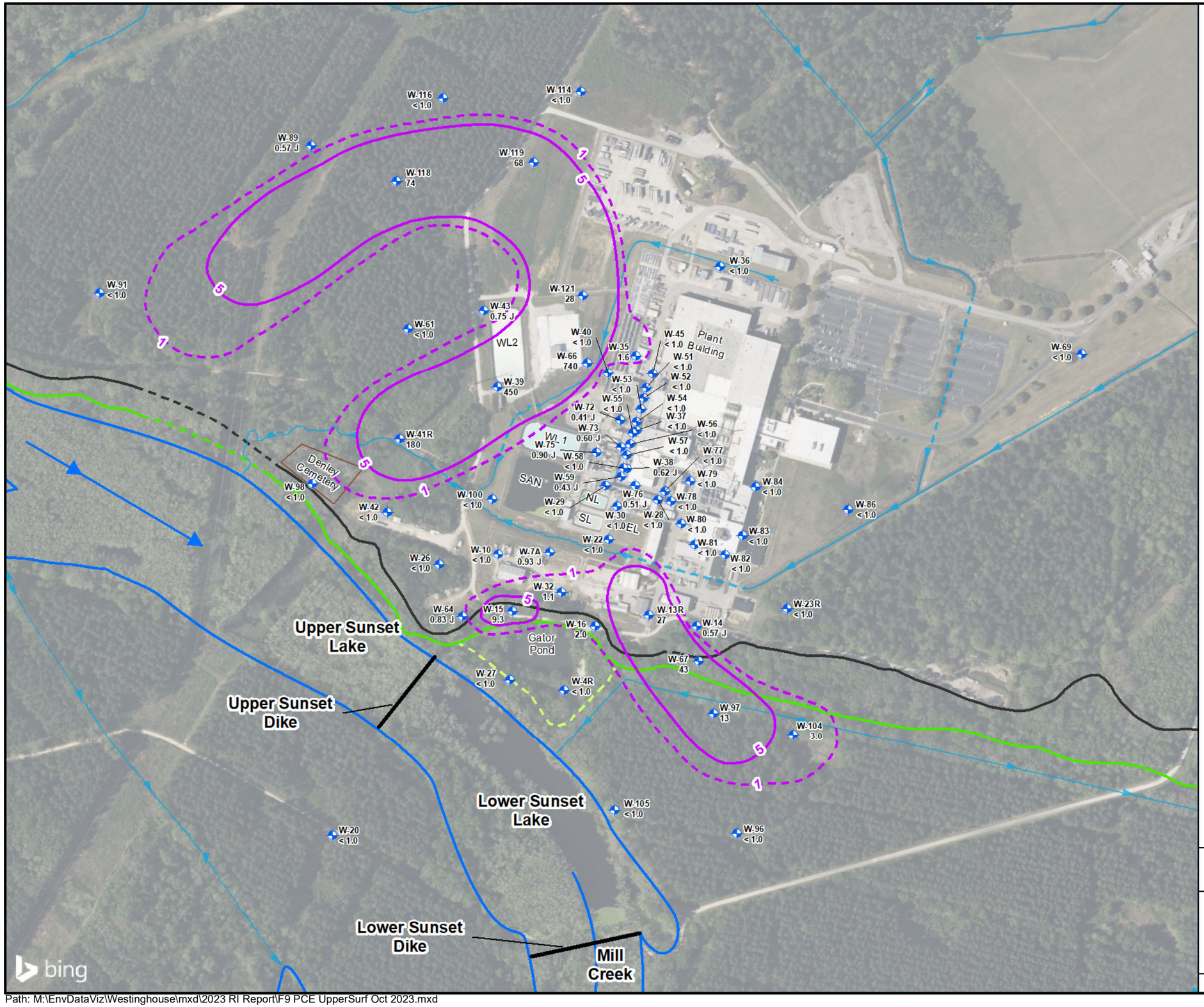
Black Creek Aquifer Potentiometric Map October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	**FIGURE 8**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F8 Black Creek Pot Map October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek
- Mill Creek Flow Direction
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- PCE Isoconcentration Contour (5 µg/L)
- PCE Isoconcentration Contour at or Above the Detection Limit (µg/L)

740	PCE Concentration in µg/L
J	Result Below Reporting Limit
EL	Former East Lagoon
NL	North Lagoon
SL	South Lagoon
SAN	Sanitary Lagoon
WL1	West Lagoon 1
WL2	West Lagoon 2

Notes:
Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

N

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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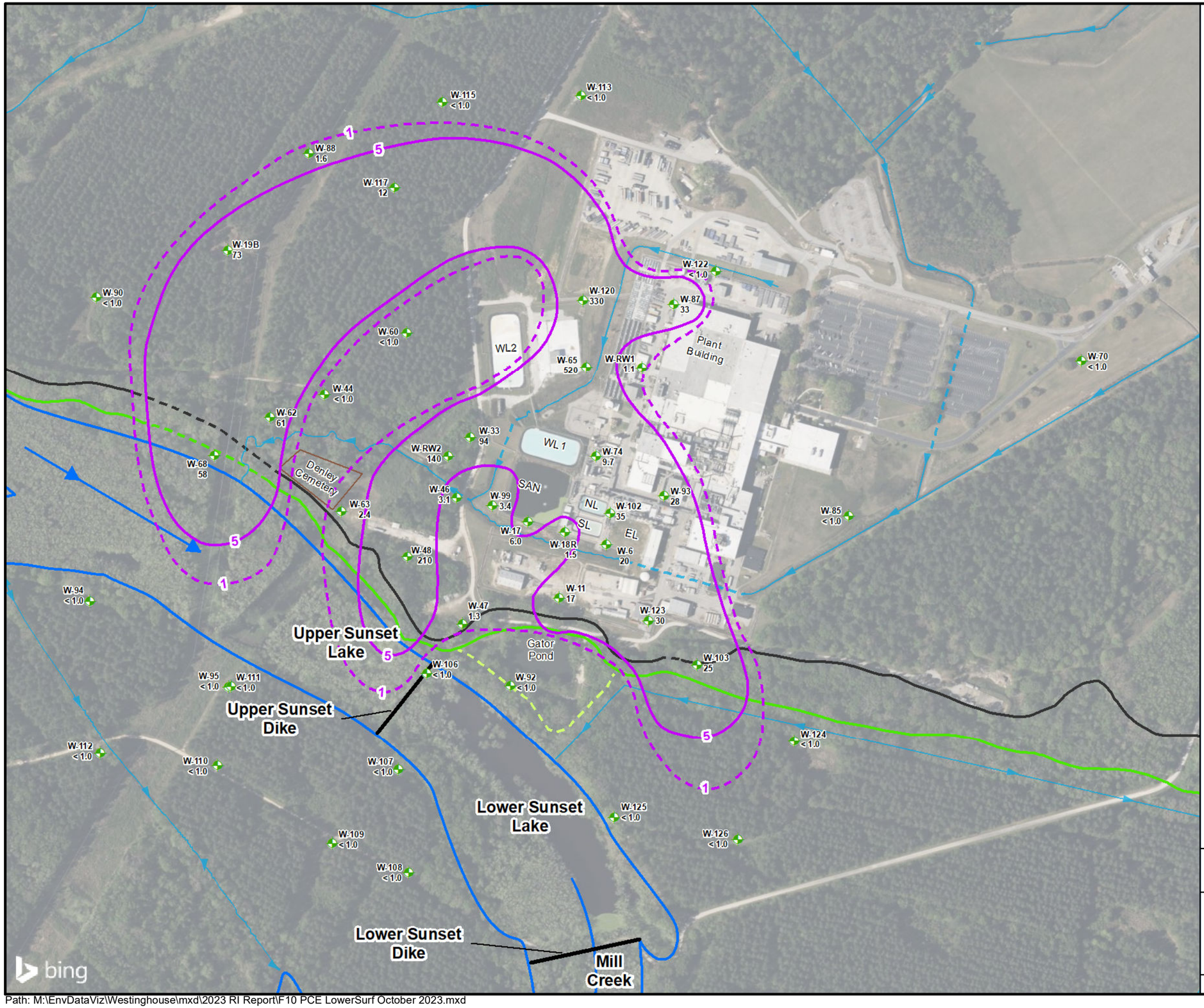
Extent of PCE - Surficial Aquifer - Upper Zone October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 9

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F9 PCE UpperSurf Oct 2023.mxd



Legend

- Surficial Aquifer - Lower Zone Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- PCE Isoconcentration Contour (5 µg/L)
- PCE Isoconcentration Contour at or Above the Detection Limit (µg/L)
- 520 PCE Concentration in µg/L
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

N

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

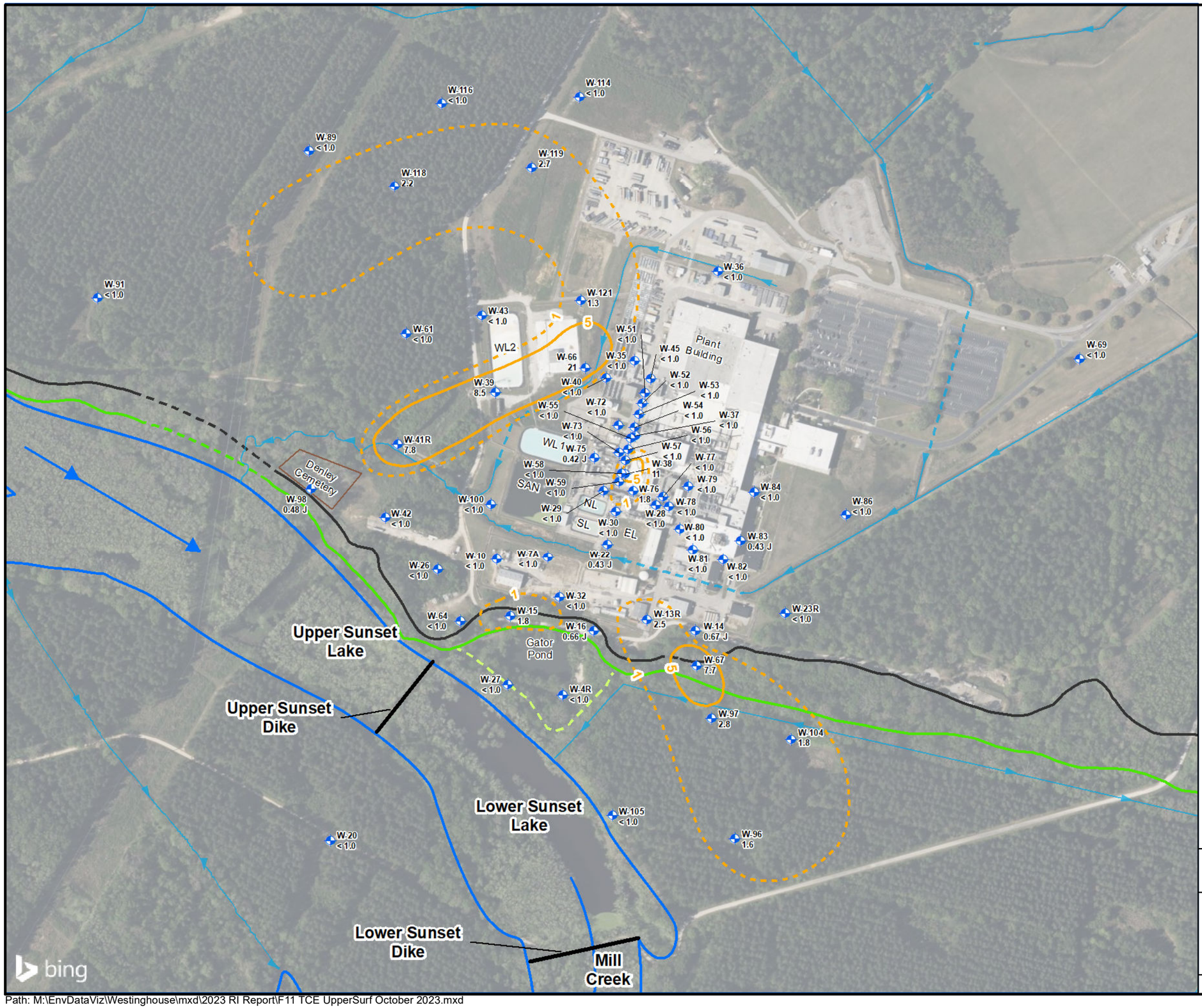
AECOM
101 Research Drive
Columbia, SC 29203
T: (803) 254-4400 F: (803) 771-6676

Extent of PCE
Surficial Aquifer - Lower Zone
October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	**FIGURE 10**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F10 PCE LowerSurf October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- TCE Isoconcentration Contour (5 ug/L)
- TCE Isoconcentration Contour at or Above the Detection Limit (ug/L)

21	TCE Concentration in ug/L
J	Result below reporting limit
EL	Former East Lagoon
NL	North Lagoon
SL	South Lagoon
SAN	Sanitary Lagoon
WL1	West Lagoon 1
WL2	West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

N

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

AECOM
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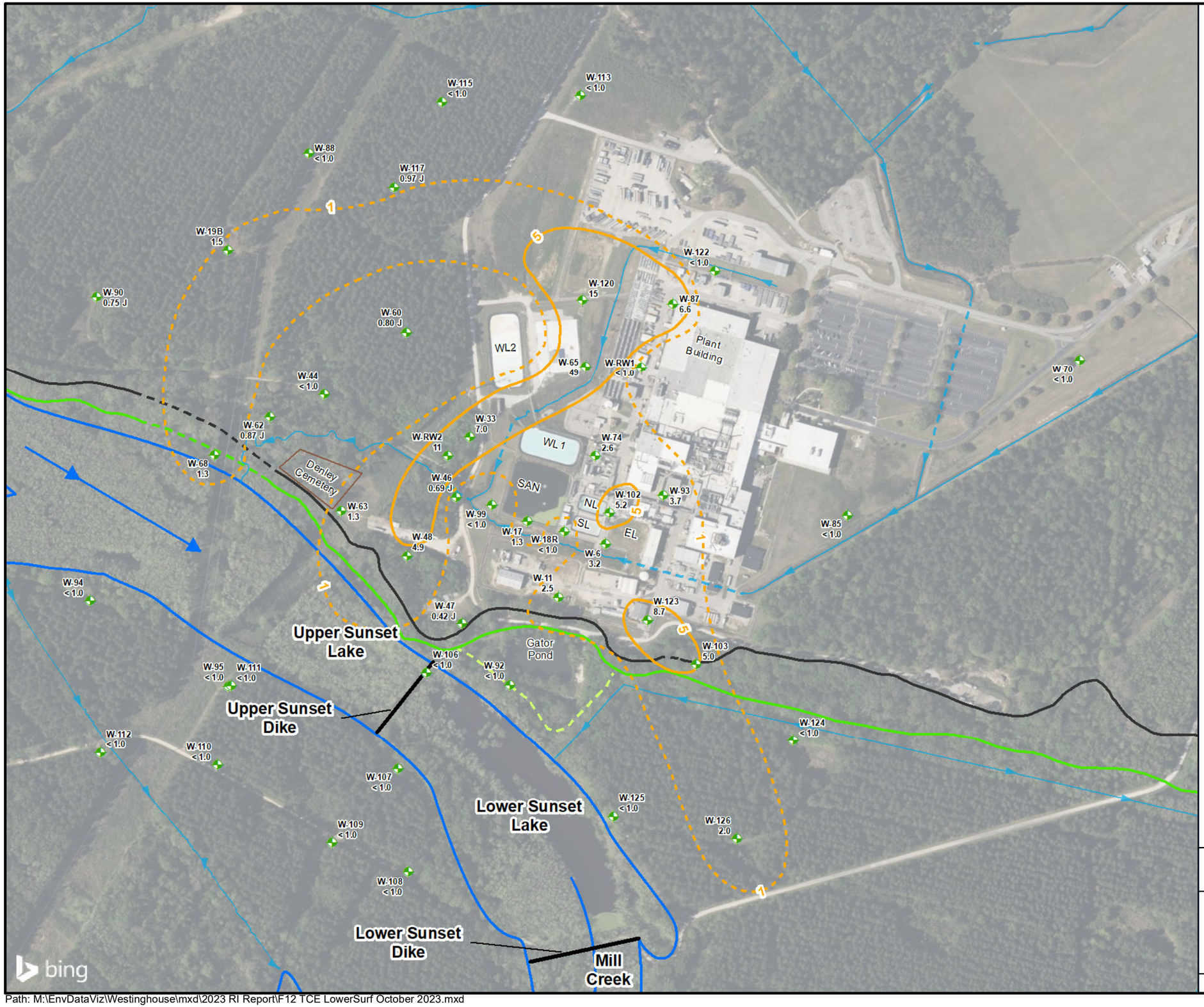
Columbia, SC 29203
T: (803) 254-4400 F: (803) 771-6676

Extent of TCE
Surficial Aquifer - Upper Zone
October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	**FIGURE 11**

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F11 TCE UpperSurf October 2023.mxd



Legend

- Surficial Aquifer - Lower Zone Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- TCE Isoconcentration Contour (5 ug/L)
- TCE Isoconcentration Contour at or Above the Detection Limit (ug/L)
- 49 TCE Concentration in ug/L
- J Result below reporting limit
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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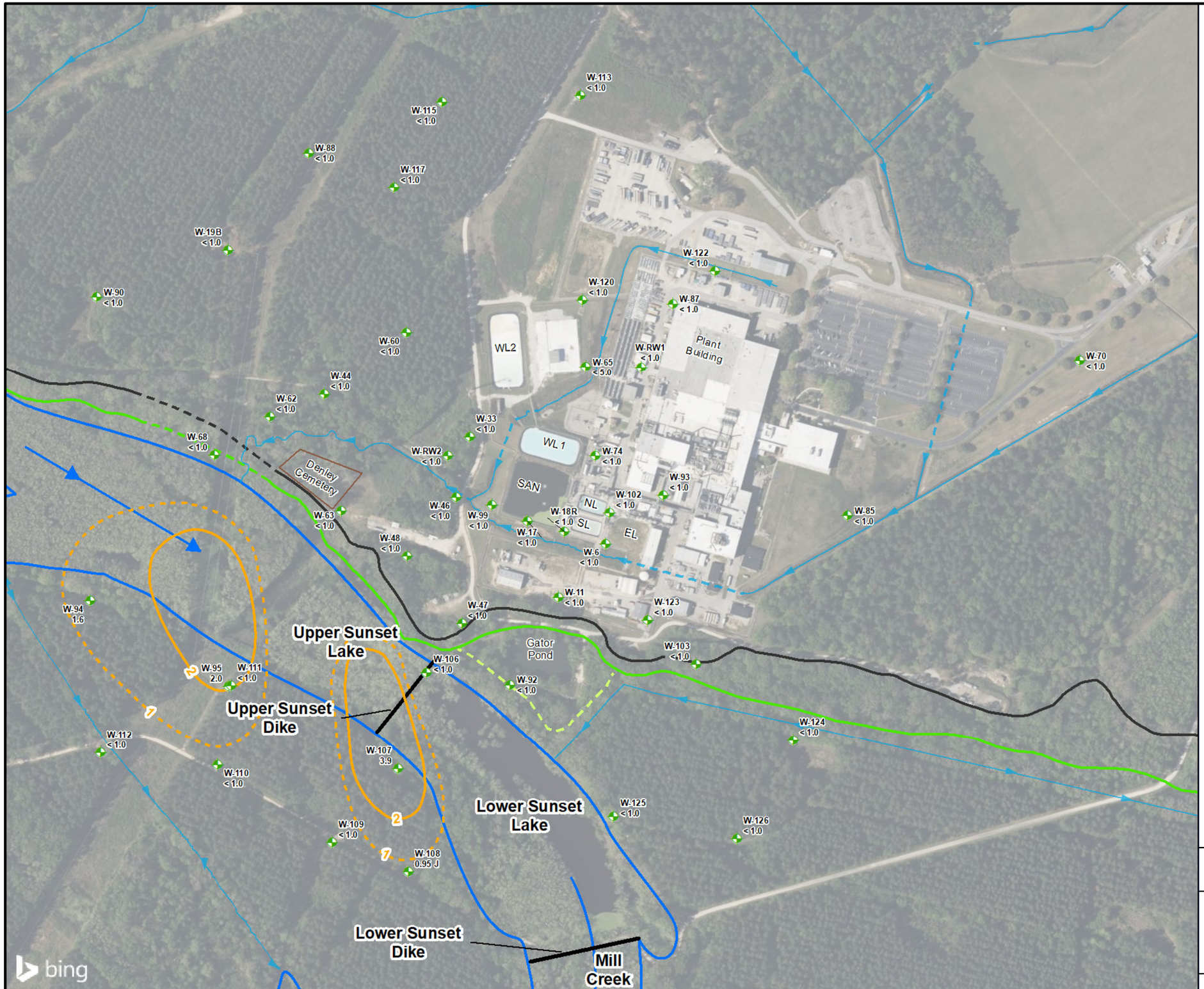
Extent of TCE
Surficial Aquifer - Lower Zone
October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 12

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F12 TCE LowerSurf October 2023.mxd



Legend

- Surficial Aquifer - Lower Zone Monitoring Well
- Ditch
- Culvert
- Ditch
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- VC Isoconcentration Contour (2 ug/L)
- VC Isoconcentration Contour at or Above the Detection Limit (ug/L)
- 3.9 VC Concentration in ug/L
- J Result below reporting limit
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

AECOM
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Columbia, SC 29203
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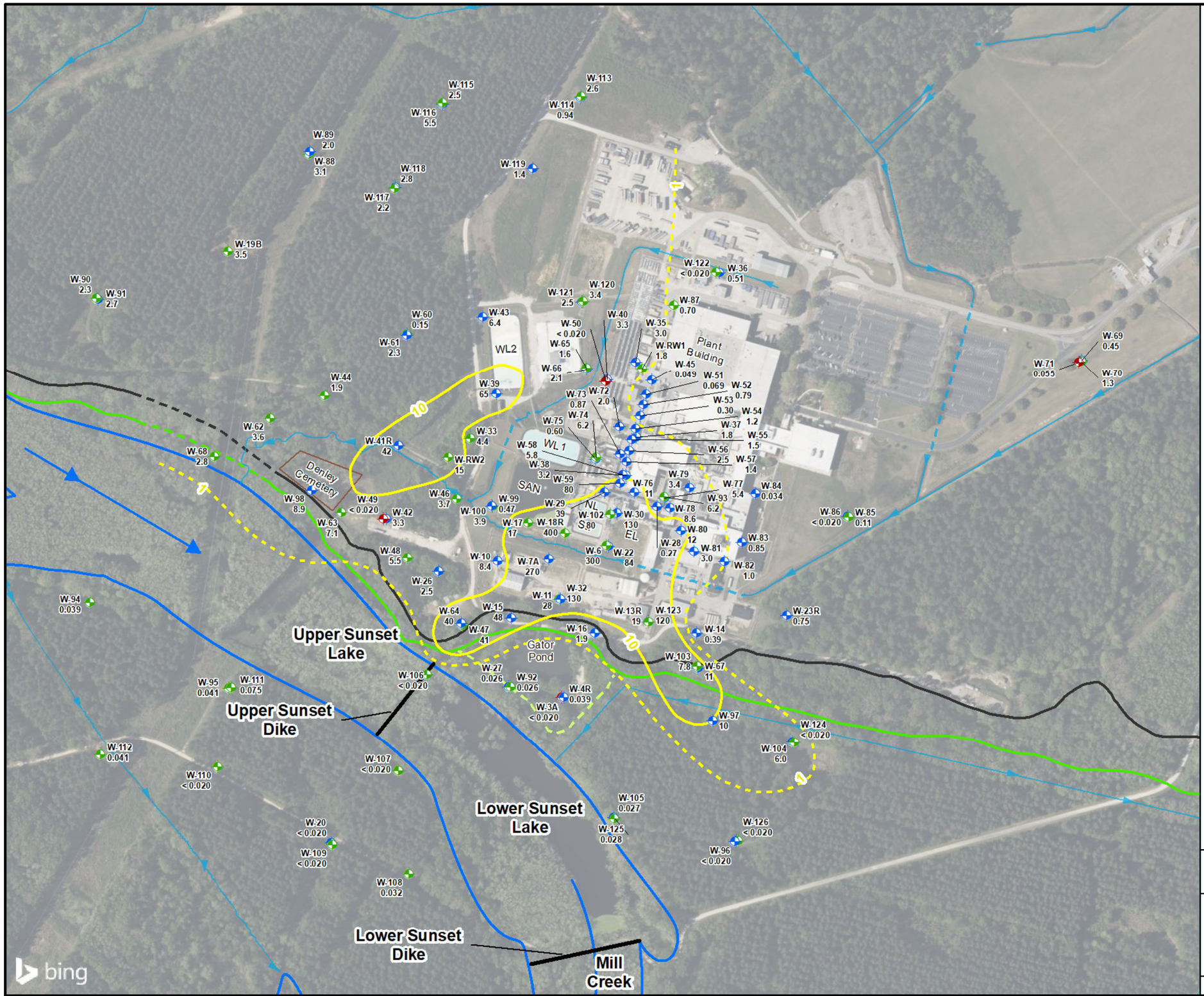
Extent of VC
Surficial Aquifer - Lower Zone
October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 13

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F13 VC LowerSurf October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Nitrate Isoconcentration Contour (10 mg/L)
- Nitrate Isoconcentration Contour at or Above the Detection Limit (mg/L)
- 400 Nitrate Concentration in mg/L
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

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101 Research Drive
Columbia, SC 29203
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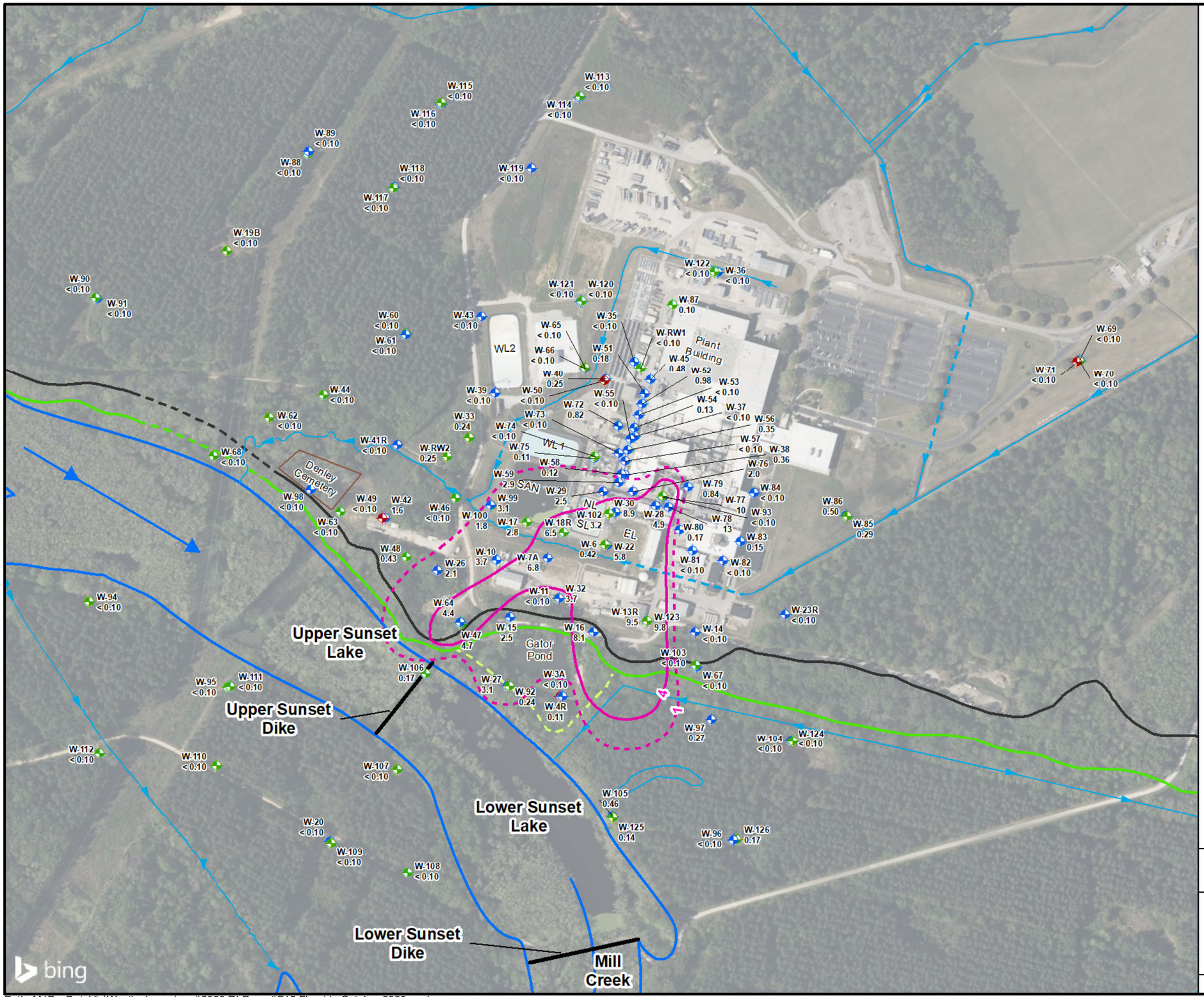
Extent of Nitrate in Groundwater October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 14

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F14 Nitrate October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Fluoride Isoconcentration Contour (4 mg/L)
- Fluoride Isoconcentration Contour at or Above the Detection Limit (mg/L)
- 13 Fluoride Concentration in mg/L
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:
Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

NAD: North American Datum 1983

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Columbia, SC 29203
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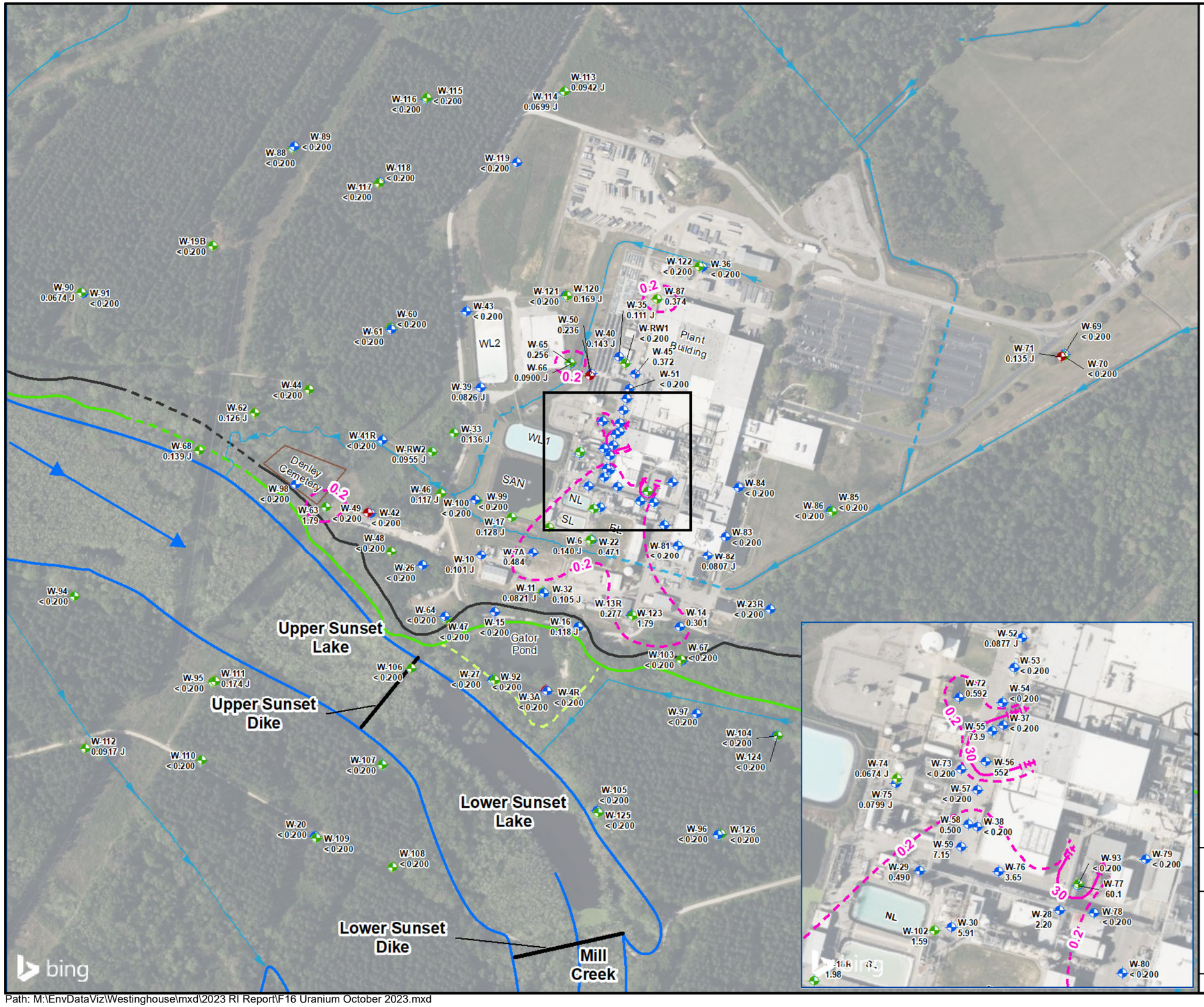
Extent of Fluoride in Groundwater October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 15

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F15 Fluoride October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Uranium Isoconcentration Contour (30 µg/L)
- Uranium Inferred Isoconcentration Contour (µg/L)
- Uranim Isoconcetration Contour at or Above the Minimum Detectible Concentration (µg/L)

552	Total Uranium in µg/L
J	Result below reporting limit
EL	Former East Lagoon
NL	North Lagoon
SL	South Lagoon
SAN	Sanitary Lagoon
WL1	West Lagoon 1
WL2	West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

N

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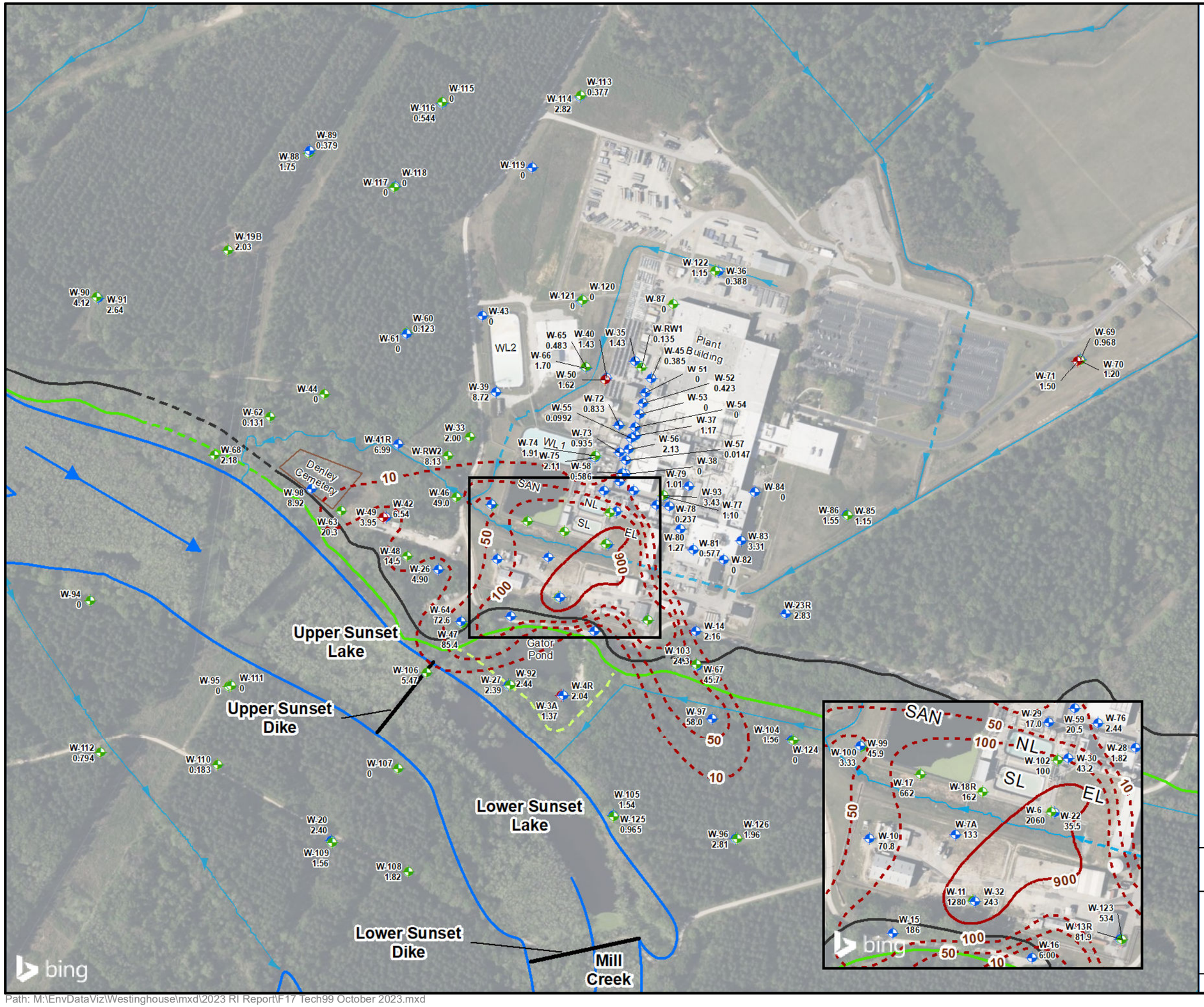
101 Research Drive
Columbia, SC 29203
T: (803) 254-4400 F: (803) 771-6676

Extent of Uranium in Groundwater October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 16

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F16 Uranium October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Tc-99 Isoconcentration Contour (900 pCi/L)
- Tc-99 Isoconcetration Contour at or Above the Minimum Detectible Concentration (pCi/L)
- 2,060 Technetium-99 Concentration in pCi/L
- 0 Concentration reported as a negative number by the analytical laboratory
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

N

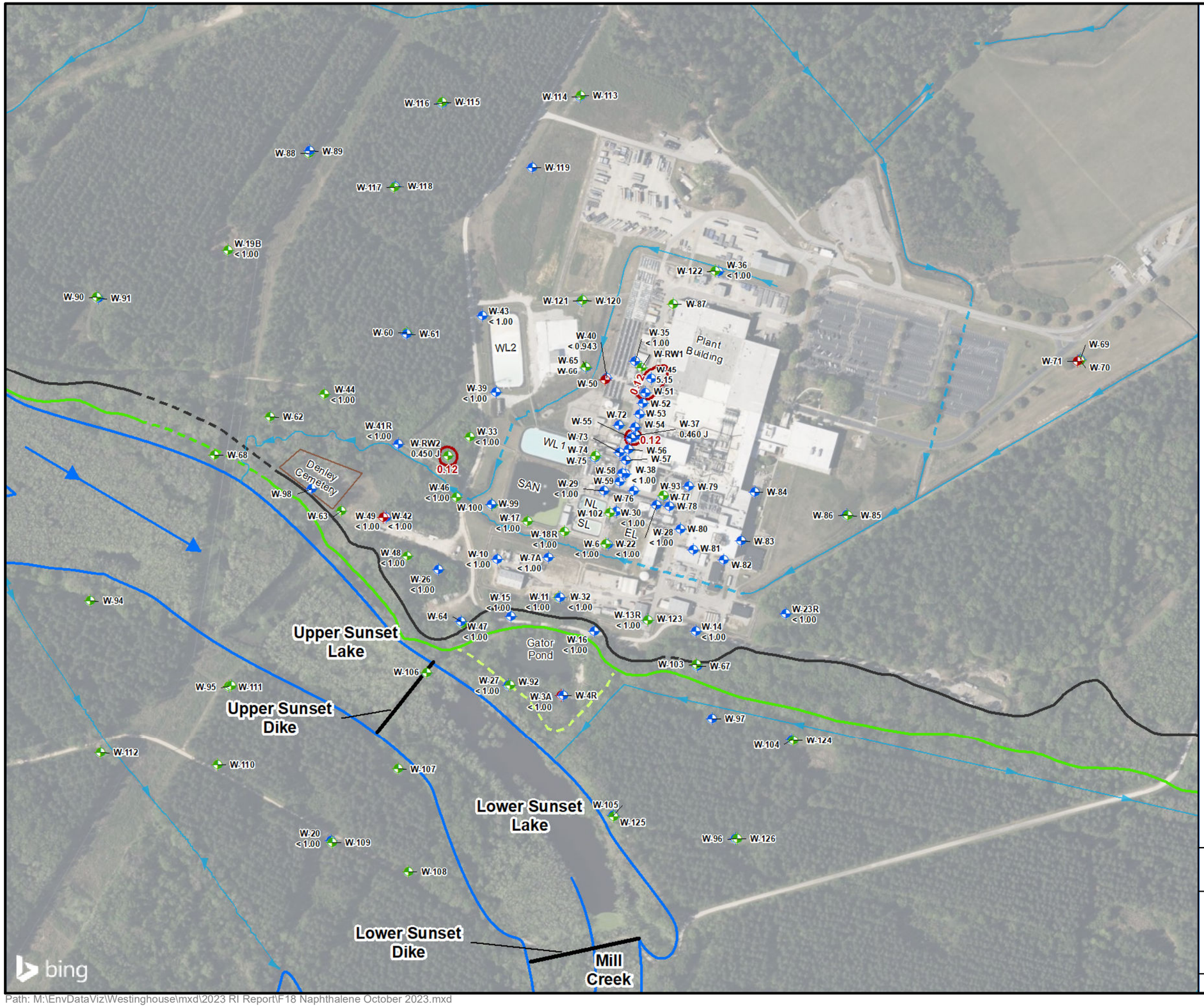
AECOM
101 Research Drive
Columbia, SC 29203
T: (803) 254-4400 F: (803) 771-6676

Extent of Technetium-99 in Groundwater October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 17

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F17 Tech99 October 2023.mxd



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Naphthalene Isoconcentration Contour (Regional Screening Level = 0.12 ug/L)
- 5.15 Naphthalene Concentration in ug/L
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

N

AECOM
101 Research Drive
Columbia, SC 29203
T: (803) 254-4400 F: (803) 771-6676

Extent of Naphthalene in Groundwater October 2023

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.	PREPARED BY:	DATE:	
60700386	CCS	January 2024	FIGURE 18

Path: M:\EnvDataViz\Westinghouse\mxd\2023 RI Report\F18 Naphthalene October 2023.mxd

Appendix A
Groundwater Sample Collections Records

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-RW1	SAMPLE ID: W-RW1-2023-Q4	DATE: 10/13/2023 12:48:00 PM
TOTAL WELL DEPTH (feet) (A): 33.40	WATER TABLE DEPTH (feet) (B): 8.74	LENGTH OF WATER COLUMN (feet) (A-B): 24.66
CASING DIAMETER / MATL: 4 in, STEEL	WELL SCREEN INTERVAL DEPTH: 22.00 - 32.00 ft	CALCULATED SYSTEM VOLUME (gallons): 16.10

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 12:25:00 PM	PURGING END TIME: 10/13/2023 12:47:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:27 PM	8.74	0	0	0	25.15	79.7177	5.32	5.69	129.8	11.67	Clear
12:32 PM	8.74	120	0.6	0.6	23.66	81.867	5	5.67	226.1	4.62	Clear
12:37 PM	8.74	120	0.6	1.2	23.66	81.9037	4.2	5.66	227.4	5.43	Clear
12:42 PM	8.74	120	0.6	1.8	23.64	81.8128	4.13	5.65	231.3	4.61	Clear
12:47 PM	8.74	120	0.6	2.4	23.61	81.824	4.1	5.66	231.4	12.04	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-RW1	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-RW2	SAMPLE ID:	DATE:
TOTAL WELL DEPTH (feet) (A): 31.29	WATER TABLE DEPTH (feet) (B): 18.19	LENGTH OF WATER COLUMN (feet) (A-B): 13.10
CASING DIAMETER / MATL: 4 in, STEEL	WELL SCREEN INTERVAL DEPTH: 18.50 - 28.50 ft	CALCULATED SYSTEM VOLUME (gallons): 8.55

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME:	PURGING END TIME:	PUMP TYPE:

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-RW2	SAMPLE ID: W-RW2-2023-Q4	DATE: 10/13/2023 9:20:00 AM
TOTAL WELL DEPTH (feet) (A): 31.28	WATER TABLE DEPTH (feet) (B): 18.23	LENGTH OF WATER COLUMN (feet) (A-B): 13.05
CASING DIAMETER / MATL: 4 in, STEEL	WELL SCREEN INTERVAL DEPTH: 18.50 - 28.50 ft	CALCULATED SYSTEM VOLUME (gallons): 8.52

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 8:50:00 AM	PURGING END TIME: 10/13/2023 9:15:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:55 AM	18.39	100	0.5	0.5	19.62	218.663	1.06	5.43	320.9	0	Clear
9:00 AM	18.4	100	0.5	1	19.68	218.221	0.87	5.42	319.1	0	Clear
9:05 AM	18.41	100	0.5	1.5	19.72	217.481	0.81	5.43	316.9	0	Clear
9:10 AM	18.42	100	0.5	2	19.82	214.285	0.75	5.45	312.4	0	Clear
9:15 AM	18.42	100	0.5	2.5	19.75	213.164	0.83	5.47	308.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-RW2	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
2	250 ml	Amber Glass	None	SVOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL
3	40 ml	VOA vial	HCL	VOCs	PACE-SC-WCOL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-3A	SAMPLE ID: W-3A-2023-Q4	DATE: 10/24/2023 11:39:00 AM
TOTAL WELL DEPTH (feet) (A): 85.20	WATER TABLE DEPTH (feet) (B): 6.57	LENGTH OF WATER COLUMN (feet) (A-B): 78.63
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 73.00 - 83.00 ft	CALCULATED SYSTEM VOLUME (gallons): 12.83

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 80.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 11:12:00 AM	PURGING END TIME: 10/24/2023 11:38:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:13 AM	6.65	140	0.7	0.7	21	27.5927	4.24	5.18	73.9	5.24	Clear
11:18 AM	6.65	140	0.7	1.4	19.33	26.0849	0.48	5.22	114.5	3.26	Clear
11:23 AM	6.65	140	0.7	2.1	19.18	26.2094	0.39	5.06	126.6	7.02	Clear
11:28 AM	6.65	140	0.7	2.8	19.16	26.2211	0.26	5.01	135.5	2.45	Clear
11:33 AM	6.65	140	0.7	3.5	19.26	26.1797	0.2	5.03	139.5	1.41	Clear
11:38 AM	6.65	140	0.7	4.2	19.38	26.1841	0.17	5.06	140.7	0.63	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-3A	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-4R	SAMPLE ID: W-4R-2023-Q4	DATE: 10/24/2023 12:44:00 PM
TOTAL WELL DEPTH (feet) (A): 17.35	WATER TABLE DEPTH (feet) (B): 11.14	LENGTH OF WATER COLUMN (feet) (A-B): 6.21
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 4.50 - 14.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.01

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 12:06:00 PM	PURGING END TIME: 10/24/2023 12:43:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:08 PM	11.25	140	0.7	0.7	21.34	154.443	4.9	5.81	107.6	39.71	Clear
12:13 PM	11.35	140	0.7	1.4	20.09	150.727	1.65	5.87	133.6	2.21	Clear
12:18 PM	11.39	140	0.7	2.1	20	151.836	1.41	5.85	146.7	2.11	Clear
12:23 PM	11.43	140	0.7	2.8	20.01	154.316	1.07	5.85	154	2.28	Clear
12:28 PM	11.43	140	0.7	3.5	20.01	156.386	0.78	5.86	158.4	1.22	Clear
12:33 PM	11.43	140	0.7	4.2	19.97	157.264	0.66	5.86	162.5	1.62	Clear
12:38 PM	11.43	140	0.7	4.9	20.01	157.542	0.58	5.87	168.1	2.19	Clear
12:43 PM	11.43	140	0.7	5.6	20.04	158.009	0.55	5.91	169.9	1.15	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-4R	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-6	SAMPLE ID: W-6-2023-Q4	DATE: 10/10/2023 11:35:00 AM
TOTAL WELL DEPTH (feet) (A): 27.26	WATER TABLE DEPTH (feet) (B): 10.47	LENGTH OF WATER COLUMN (feet) (A-B): 16.79
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 23.00 - 28.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.74

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 10:35:00 AM	PURGING END TIME: 10/10/2023 11:30:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:40 AM	11.13	100	0.5	0.5	24.57	2915.58	0.54	6.44	177.8	14.52	Clear
10:45 AM	11.32	100	0.5	1	24.28	2923.99	0.38	6.44	177.4	19.35	Clear
10:50 AM	11.45	100	0.5	1.5	24.45	2915.33	0.26	6.43	177.9	18.61	Clear
10:55 AM	11.54	100	0.5	2	24.34	2924.18	0.22	6.43	178.6	32.74	Clear
11:00 AM	11.59	100	0.5	2.5	24.05	2922.96	0.19	6.42	178.8	52.51	Clear
11:05 AM	11.62	100	0.5	3	24.34	2916.65	0.18	6.42	180.4	17.68	Clear
11:10 AM	11.65	100	0.5	3.5	24.13	2852.07	0.18	6.42	181.6	27.95	Clear
11:15 AM	11.67	100	0.5	4	24.17	2835.63	0.15	6.41	183.2	27.56	Clear
11:20 AM	11.67	100	0.5	4.5	24.51	2822.12	0.18	6.41	184	18.89	Clear
11:25 AM	11.67	100	0.5	5	25.12	2871.33	0.22	6.44	183.1	18.68	Clear
11:30 AM	11.67	100	0.5	5.5	25.03	2900.91	0.19	6.44	184.1	24.56	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-6	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-7A	SAMPLE ID:	DATE:
TOTAL WELL DEPTH (feet) (A): 20.12	WATER TABLE DEPTH (feet) (B): 11.49	LENGTH OF WATER COLUMN (feet) (A-B): 8.63
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 13.00 - 18.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.41

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME:	PURGING END TIME:	PUMP TYPE:

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-7A	SAMPLE ID: W-7A-2023-Q4	DATE: 10/5/2023 9:13:00 AM
TOTAL WELL DEPTH (feet) (A): 20.12	WATER TABLE DEPTH (feet) (B): 11.63	LENGTH OF WATER COLUMN (feet) (A-B): 8.49
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 13.00 - 18.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.39

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.62	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/5/2023 8:50:00 AM	PURGING END TIME: 10/5/2023 9:12:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:52 AM	11.92	140	0	0	19.8	2568.6	8.21	6.97	167	6.06	Clear
8:57 AM	12.07	140	0.7	0.7	21.88	2564.48	1.06	6.99	147.1	4.78	Clear
9:02 AM	12.14	140	0.7	1.4	21.91	2561.7	0.41	6.99	143.1	14.77	Clear
9:07 AM	12.17	140	0.7	2.1	21.95	2573.61	0.28	6.99	139.8	14.82	Clear
9:12 AM	12.17	140	0.7	2.8	22.04	2560.79	0.22	6.99	137.6	19.87	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-7A	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-10	SAMPLE ID: W-10-2023-Q4	DATE: 10/5/2023 10:27:00 AM
TOTAL WELL DEPTH (feet) (A): 22.33	WATER TABLE DEPTH (feet) (B): 15.43	LENGTH OF WATER COLUMN (feet) (A-B): 6.90
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 17.50 - 22.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.13

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.83	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/5/2023 10:35:00 AM	PURGING END TIME: 10/5/2023 11:26:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:36 AM	15.47	80	0	0	24.23	1.1561	8.72	7.1	137.4	21.62	Clear
10:41 AM	15.9	80	0.4	0.4	23.72	410.991	3.3	6.26	153.9	4.55	Clear
10:46 AM	16.17	80	0.4	0.8	23.36	401.65	1.03	6.22	147.6	3.61	Clear
10:51 AM	16.29	80	0.4	1.2	23.22	401.071	0.51	6.21	141.9	2.34	Clear
10:56 AM	16.34	80	0.4	1.6	23.13	406.083	1.32	6.2	137.8	2.33	Clear
11:01 AM	16.34	80	0.4	2	23.22	427.744	1.14	6.24	139.6	2.46	Clear
11:06 AM	16.34	80	0.4	2.4	23.27	430.205	1	6.24	142.8	2.23	Clear
11:11 AM	16.34	80	0.4	2.8	23.36	431.44	0.91	6.24	144.8	1.53	Clear
11:16 AM	16.34	80	0.4	3.2	23.44	432.24	0.22	6.25	146	2.27	Clear
11:21 AM	16.34	80	0.4	3.6	23.54	432.576	0.21	6.24	146.6	2.44	Clear
11:26 AM	16.34	80	0.4	4	23.59	431.646	0.21	6.25	147	1.05	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-10	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-11	SAMPLE ID: W-11-2023-Q4	DATE: 10/5/2023 11:25:00 AM
TOTAL WELL DEPTH (feet) (A): 27.23	WATER TABLE DEPTH (feet) (B): 18.13	LENGTH OF WATER COLUMN (feet) (A-B): 9.10
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 22.00 - 25.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.49

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/5/2023 10:57:00 AM	PURGING END TIME: 10/5/2023 11:22:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:02 AM	19.32	100	0.5	0.5	23.88	286.563	0.95	5.61	152.5	7.02	Clear
11:07 AM	19.84	100	0.5	1	23.75	286.864	0.67	5.6	154.8	4.63	Clear
11:12 AM	20.51	100	0.5	1.5	23.92	287.808	0.53	5.57	161.8	5.25	Clear
11:17 AM	20.9	100	0.5	2	23.72	288.217	0.48	5.54	165.8	4.98	Clear
11:22 AM	21.11	100	0.5	2.5	24.16	289.389	0.53	5.52	169.5	6.5	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-11	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-13R	SAMPLE ID: W-13R-2023-Q4	DATE: 10/5/2023 2:20:00 PM
TOTAL WELL DEPTH (feet) (A): 20.27	WATER TABLE DEPTH (feet) (B): 11.91	LENGTH OF WATER COLUMN (feet) (A-B): 8.36
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.36

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/5/2023 1:23:00 PM	PURGING END TIME: 10/5/2023 2:18:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:28 PM	11.98	100	0.5	0.5	26.65	699.255	0.43	6.27	167.9	1639.21	Brown
1:33 PM	11.98	100	0.5	1	26.08	719.976	0.48	6.3	173.3	480.93	Brown
1:38 PM	11.97	100	0.5	1.5	25.7	725.249	0.38	6.3	175.3	448.82	Brown
1:43 PM	11.97	100	0.5	2	25.55	726.621	0.36	6.3	175.6	283.37	Light brown
1:48 PM	11.97	100	0.5	2.5	26.01	718.018	0.28	6.29	174.4	176.53	Light brown
1:53 PM	11.97	100	0.5	3	25.98	723.886	0.23	6.3	174.5	276.72	Light brown
1:58 PM	11.97	100	0.5	3.5	27.02	726.071	3.26	6.36	180.3	558.51	Brown
2:03 PM	11.97	100	0.5	4	25.9	725.134	0.4	6.3	177.9	185.47	Light brown
2:08 PM	11.97	100	0.5	4.5	25.89	725.979	0.36	6.3	173.9	625.91	Brown
2:13 PM	11.97	100	0.5	5	25.87	725.486	0.28	6.29	171.4	40.36	Clear
2:18 PM	11.97	100	0.5	5.5	26.18	732.107	0.23	6.3	167.6	488.58	Brown

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-13R	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-14	SAMPLE ID: W-14-2023-Q4	DATE: 10/23/2023 1:10:00 PM
TOTAL WELL DEPTH (feet) (A): 30.47	WATER TABLE DEPTH (feet) (B): 16.86	LENGTH OF WATER COLUMN (feet) (A-B): 13.61
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 24.00 - 29.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.22

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 12:40:00 PM	PURGING END TIME: 10/23/2023 1:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:45 PM	17.88	100	0.5	0.5	20.65	633.453	0.58	6.39	-22.7	29.67	Clear
12:50 PM	17.89	100	0.5	1	20.81	636.395	0.41	6.39	-23.9	42.83	Clear
12:55 PM	17.89	100	0.5	1.5	20.8	635.954	0.3	6.39	-26.1	11.35	Clear
1:00 PM	17.89	100	0.5	2	20.9	633.25	0.25	6.39	-28	12.2	Clear
1:05 PM	17.89	100	0.5	2.5	21.06	631.414	0.23	6.39	-29.5	14.12	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-14	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-15	SAMPLE ID: W-15-2023-Q4	DATE: 10/19/2023 3:01:00 PM
TOTAL WELL DEPTH (feet) (A): 21.94	WATER TABLE DEPTH (feet) (B): 11.90	LENGTH OF WATER COLUMN (feet) (A-B): 10.04
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.50 - 20.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.64

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 2:02:00 PM	PURGING END TIME: 10/19/2023 2:59:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:04 PM	12.04	0	0	0	28.85	531.096	5.03	6.22	4.8	3	Clear
2:09 PM	12.08	160	0.8	0.8	22.35	591.919	0.62	6.21	74.2	5.18	Clear
2:14 PM	12.05	140	0.7	1.5	22.83	591.418	1	6.2	72.4	7.42	Clear
2:19 PM	12.06	140	0.7	2.2	23.04	587.48	0.95	6.19	78.2	16.39	Clear
2:24 PM	12.06	140	0.7	2.9	22.62	611.102	0.91	6.16	89.1	17.55	Clear
2:29 PM	12.06	140	0.7	3.6	22.6	612.958	0.54	6.16	95.5	30.8	Clear
2:34 PM	12.06	140	0.7	4.3	22.19	614.231	0.37	6.18	94.1	40.69	Clear
2:39 PM	12.06	140	0.7	5	22.08	613.505	1	6.19	94.8	76.06	Clear
2:44 PM	12.04	120	0.6	5.6	22.09	616.486	0.76	6.19	96.5	78.96	Clear
2:49 PM	12.04	120	0.6	6.2	22.04	614.608	0.57	6.19	95.8	58.48	Clear
2:54 PM	12.04	120	0.6	6.8	22.01	607.73	0.67	6.19	95.1	96.77	Clear
2:59 PM	12.04	120	0.6	7.4	21.9	608.853	0.42	6.19	96.3	106.33	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-15	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-16	SAMPLE ID: W-16-2023-Q4	DATE: 10/19/2023 2:50:00 PM
TOTAL WELL DEPTH (feet) (A): 13.62	WATER TABLE DEPTH (feet) (B): 4.16	LENGTH OF WATER COLUMN (feet) (A-B): 9.46
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 11.00 - 14.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.54

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 2:05:00 PM	PURGING END TIME: 10/19/2023 2:45:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:10 PM	5.18	100	0.5	0.5	23.08	151.326	2.43	6.98	18.1	47.49	Clear
2:15 PM	5.69	100	0.5	1	23.24	151.649	2.7	7	46.8	37.89	Clear
2:20 PM	6.28	100	0.5	1.5	22.93	152.058	2.59	7	61.3	38.84	Clear
2:25 PM	6.63	100	0.5	2	23.24	154.612	2.11	6.96	64.1	35.47	Clear
2:30 PM	6.83	100	0.5	2.5	23.26	333.709	1.05	6.47	6.9	17.33	Clear
2:35 PM	6.75	100	0.5	3	23.52	380.686	0.38	6.4	-0.5	3.72	Clear
2:40 PM	6.71	100	0.5	3.5	23.31	385.442	0.29	6.39	-1.9	4.06	Clear
2:45 PM	6.65	100	0.5	4	23.42	389.659	0.22	6.36	-0.8	6.48	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-16	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-17	SAMPLE ID: W-17-2023-Q4	DATE: 10/16/2023 10:24:00 AM
TOTAL WELL DEPTH (feet) (A): 29.72	WATER TABLE DEPTH (feet) (B): 14.02	LENGTH OF WATER COLUMN (feet) (A-B): 15.70
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 23.00 - 28.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.56

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 9:25:00 AM	PURGING END TIME: 10/16/2023 10:22:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:27 AM	14.13	0	0	0	18.09	540.894	7.06	6.74	124.8	0.24	Clear
9:32 AM	14.15	120	0.6	0.6	21.26	531.59	0.76	6.72	130.5	2.25	Clear
9:37 AM	14.18	120	0.6	1.2	21.12	586.165	0.5	6.82	128.7	3.42	Clear
9:42 AM	14.2	120	0.6	1.8	21.47	587.701	0.37	6.81	126.5	6.06	Clear
9:47 AM	14.22	120	0.6	2.4	21.16	529.24	0.29	6.77	126	6.48	Clear
9:52 AM	14.23	120	0.6	3	21.18	521.742	0.26	6.73	126.5	7.94	Clear
9:57 AM	14.24	120	0.6	3.6	21.23	500.924	0.56	6.68	127.9	17.12	Clear
10:02 AM	14.24	120	0.6	4.2	21.41	485.681	0.88	6.67	128.2	22.71	Clear
10:07 AM	14.24	120	0.6	4.8	21.56	471.794	0.3	6.64	127.9	30.23	Clear
10:12 AM	14.23	100	0.5	5.3	21.7	469.64	0.64	6.62	128.5	41.99	Clear
10:17 AM	14.22	100	0.5	5.8	22.04	460.281	0.57	6.6	129.6	57.61	Clear
10:22 AM	14.22	100	0.5	6.3	22.1	452.64	0.4	6.59	129.7	68.32	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-17	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-18R	SAMPLE ID: W-18R-2023-Q4	DATE: 10/16/2023 12:27:00 PM
TOTAL WELL DEPTH (feet) (A): 27.25	WATER TABLE DEPTH (feet) (B): 11.55	LENGTH OF WATER COLUMN (feet) (A-B): 15.70
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 22.50 - 27.50 ft	CALCULATED SYSTEM VOLUME (gallons): 2.56

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 11:29:00 AM	PURGING END TIME: 10/16/2023 12:25:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:30 AM	11.94	0	0	0	23.29	2782.23	6.71	6.88	157.4	8.31	Clear
11:35 AM	12.87	140	0.7	0.7	22.78	2320.93	0.72	7	149.8	0.88	Clear
11:40 AM	13.33	100	0.5	1.2	23.17	2307.66	0.88	6.98	148.8	2.59	Clear
11:45 AM	13.65	100	0.5	1.7	23.14	1982.83	0.93	7.06	148	0.66	Clear
11:50 AM	13.78	80	0.4	2.1	23.19	2222.17	1	7.15	145.9	3.14	Clear
11:55 AM	14.08	80	0.4	2.5	23.2	2160.61	1.03	7.15	143.6	2.48	Clear
12:00 PM	14.15	80	0.4	2.9	23.33	2513.3	0.93	7.19	142.4	1.83	Clear
12:05 PM	14.15	80	0.4	3.3	23.5	2705	0.73	7.23	140.8	1.11	Clear
12:10 PM	14.16	80	0.4	3.7	23.1	2829.84	0.76	7.25	140.3	3.54	Clear
12:15 PM	14.16	80	0.4	4.1	23.35	2931.46	0.79	7.26	139.9	2.53	Clear
12:20 PM	14.17	80	0.4	4.5	23.35	3026.51	0.64	7.28	139.8	5.58	Clear
12:25 PM	14.17	80	0.4	4.9	23.21	3143.08	0.48	7.3	140.5	15.21	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-18R	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-19B	SAMPLE ID: W-19B-2023-Q4	DATE: 10/16/2023 10:50:00 AM
TOTAL WELL DEPTH (feet) (A): 42.88	WATER TABLE DEPTH (feet) (B): 24.82	LENGTH OF WATER COLUMN (feet) (A-B): 18.06
CASING DIAMETER / MATL: 4 in, PVC	WELL SCREEN INTERVAL DEPTH: 30.50 - 40.50 ft	CALCULATED SYSTEM VOLUME (gallons): 11.79

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 10:20:00 AM	PURGING END TIME: 10/16/2023 10:45:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:25 AM	24.86	100	0.5	0.5	17.25	81.3506	3.63	5.51	241	9.72	Clear
10:30 AM	24.86	100	0.5	1	17.41	81.2571	3.55	5.54	242.8	0	Clear
10:35 AM	24.86	100	0.5	1.5	17.32	81.2803	3.49	5.54	243.9	0	Clear
10:40 AM	24.86	100	0.5	2	17.4	81.258	3.56	5.54	245.4	0	Clear
10:45 AM	24.86	100	0.5	2.5	17.52	81.4321	3.43	5.54	246.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-19B	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-20	SAMPLE ID: W-20-2023-Q4	DATE: 10/24/2023 12:10:00 PM
TOTAL WELL DEPTH (feet) (A): 16.39	WATER TABLE DEPTH (feet) (B): 8.58	LENGTH OF WATER COLUMN (feet) (A-B): 7.81
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.27

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 11:40:00 AM	PURGING END TIME: 10/24/2023 12:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:45 AM	8.6	120	0.6	0.6	18.28	122.578	0.46	5.46	123.9	0	Clear
11:50 AM	8.6	120	0.6	1.2	18.29	123.168	0.32	5.46	128.4	0	Clear
11:55 AM	8.6	120	0.6	1.8	18.49	123.314	0.27	5.46	133.8	0	Clear
12:00 PM	8.6	120	0.6	2.4	18.78	123.529	0.22	5.46	132.5	0	Clear
12:05 PM	8.6	120	0.6	3	18.97	123.56	0.2	5.46	133.1	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-20	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-22	SAMPLE ID: W-22-2023-Q4	DATE: 10/10/2023 9:25:00 AM
TOTAL WELL DEPTH (feet) (A): 14.41	WATER TABLE DEPTH (feet) (B): 10.97	LENGTH OF WATER COLUMN (feet) (A-B): 3.44
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.56

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 8:58:00 AM	PURGING END TIME: 10/10/2023 9:23:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:03 AM	11.11	100	0.5	0.5	22.98	1202.2	0.62	5.6	235.4	0	Clear
9:08 AM	11.14	100	0.5	1	23.69	1211.56	0.46	5.68	227.5	0	Clear
9:13 AM	11.16	100	0.5	1.5	24.13	1204.49	0.34	5.68	230.1	0	Clear
9:18 AM	11.18	100	0.5	2	23.94	1203.25	0.29	5.69	231.6	0	Clear
9:23 AM	11.2	100	0.5	2.5	24.2	1207.02	0.25	5.69	230.2	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-22	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-23R	SAMPLE ID: W-23R-2023-Q4	DATE: 10/23/2023 9:05:00 AM
TOTAL WELL DEPTH (feet) (A): 23.89	WATER TABLE DEPTH (feet) (B): 18.84	LENGTH OF WATER COLUMN (feet) (A-B): 5.05
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 16.00 - 21.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.82

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 8:30:00 AM	PURGING END TIME: 10/23/2023 9:00:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:35 AM	18.91	100	0.5	0.5	15.75	52.7743	3.91	5.31	247.9	1.99	Clear
8:40 AM	18.92	100	0.5	1	16.12	52.1568	3.77	5.3	253.3	0	Clear
8:45 AM	18.93	100	0.5	1.5	16.41	51.6027	3.83	5.3	252.5	0	Clear
8:50 AM	18.93	100	0.5	2	16.59	51.5262	3.74	5.26	259	0	Clear
8:55 AM	18.93	100	0.5	2.5	16.66	51.7031	3.95	5.25	268.7	0	Clear
9:00 AM	18.93	100	0.5	3	16.78	51.7195	3.96	5.28	263.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-23R	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-24	SAMPLE ID: W-24-2023-Q4	DATE: 10/23/2023 9:57:00 AM
TOTAL WELL DEPTH (feet) (A): 17.15	WATER TABLE DEPTH (feet) (B): 9.81	LENGTH OF WATER COLUMN (feet) (A-B): 7.34
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.20

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 9:18:00 AM	PURGING END TIME: 10/23/2023 9:56:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:21 AM	9.82	0	0	0	12.38	0.072397	8.77	5.62	61.2	2.34	Clear
9:26 AM	9.82	140	0.7	0.7	20.1	41.8897	0.7	5.51	68.2	2.01	Clear
9:31 AM	9.82	140	0.7	1.4	20.58	43.581	0.45	5.48	71.7	1.37	Clear
9:36 AM	9.82	140	0.7	2.1	20.5	45.6148	0.35	5.48	75.3	1.32	Clear
9:41 AM	9.82	140	0.7	2.8	20.83	48.1862	0.27	5.49	78.9	1.47	Clear
9:46 AM	9.82	140	0.7	3.5	21.06	50.4804	0.23	5.49	82.5	1.25	Clear
9:51 AM	9.82	140	0.7	4.2	21.15	51.8925	0.2	5.51	84.8	4.36	Clear
9:56 AM	9.82	140	0.7	4.9	21.18	52.7935	0.19	5.52	87.3	2.81	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-24	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-25	SAMPLE ID: W-25-2023-Q4	DATE: 10/24/2023 1:35:00 PM
TOTAL WELL DEPTH (feet) (A): 28.66	WATER TABLE DEPTH (feet) (B): 8.99	LENGTH OF WATER COLUMN (feet) (A-B): 19.67
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 22.50 - 27.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.21

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 1:05:00 PM	PURGING END TIME: 10/24/2023 1:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:10 PM	9.02	100	0.5	0.5	18.5	140.973	0.46	6.35	-47.2	0.39	Clear
1:15 PM	9.02	100	0.5	1	18.44	142.177	0.42	6.37	-52.5	0.72	Clear
1:20 PM	9.02	100	0.5	1.5	18.61	142.173	0.33	6.37	-55.2	1.46	Clear
1:25 PM	9.02	100	0.5	2	18.49	142.009	0.28	6.38	-57.6	1.68	Clear
1:30 PM	9.02	100	0.5	2.5	18.53	142.466	0.25	6.38	-60	1.4	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-25	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-26	SAMPLE ID: W-26-2023-Q4	DATE: 10/18/2023 1:04:00 PM
TOTAL WELL DEPTH (feet) (A): 32.25	WATER TABLE DEPTH (feet) (B): 25.45	LENGTH OF WATER COLUMN (feet) (A-B): 6.80
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.50 - 30.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.11

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 12:31:00 PM	PURGING END TIME: 10/18/2023 1:02:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:37 PM	25.49	0	0	0	21.85	199.554	6.96	6	195	2.31	Cloudy
12:42 PM	25.5	100	0.5	0.5	19.79	198.401	1.35	5.9	213.9	1.1	Clear
12:47 PM	25.5	100	0.5	1	19.59	198.618	0.96	5.88	221	0.36	Clear
12:52 PM	25.5	100	0.5	1.5	19.44	199.162	0.74	5.87	224.6	0.64	Clear
12:57 PM	25.5	100	0.5	2	19.47	198.598	0.62	5.87	226.5	0.51	Clear
1:02 PM	25.5	100	0.5	2.5	19.44	198.328	0.57	5.86	227.5	0.34	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-26	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
2	250 ml	Amber Glass	None	SVOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL
3	40 ml	VOA vial	HCL	VOCs	PACE-SC-WCOL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-27	SAMPLE ID: W-27-2023-Q4	DATE: 10/20/2023 9:54:00 AM
TOTAL WELL DEPTH (feet) (A): 16.82	WATER TABLE DEPTH (feet) (B): 10.11	LENGTH OF WATER COLUMN (feet) (A-B): 6.71
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.09

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.82	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/20/2023 9:13:00 AM	PURGING END TIME: 10/20/2023 9:52:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:17 AM	10.37	120	0	0	15.86	35.5361	8.25	6.51	-51.5	12.75	Clear
9:22 AM	10.53	120	0.6	0.6	19.27	369.559	0.79	6.48	-76.3	5.14	Clear
9:27 AM	10.53	120	0.6	1.2	19.05	376.316	1.95	6.5	-77.5	3.86	Clear
9:32 AM	10.53	120	0.6	1.8	19.04	368.896	0.97	6.49	-78.5	15.62	Clear
9:37 AM	10.53	120	0.6	2.4	19.04	367.709	0.84	6.47	-76.5	7.97	Clear
9:42 AM	10.53	120	0.6	3	19.05	368.392	0.29	6.47	-77.1	4.31	Clear
9:47 AM	10.53	120	0.6	3.6	19.06	370.103	0.23	6.49	-79.3	2.16	Clear
9:52 AM	10.53	120	0.6	4.2	19.16	371.561	0.21	6.5	-80.8	0.9	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-27	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-28	SAMPLE ID: W-28-2023-Q4	DATE: 10/10/2023 1:21:00 PM
TOTAL WELL DEPTH (feet) (A): 17.25	WATER TABLE DEPTH (feet) (B): 11.98	LENGTH OF WATER COLUMN (feet) (A-B): 5.27
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.86

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 12:53:00 PM	PURGING END TIME: 10/10/2023 1:20:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:55 PM	12.03	120	0	0	25.27	613.747	7.26	6.82	171.3	3.59	Clear
1:00 PM	12.03	120	0.6	0.6	25.04	599.246	3.32	6.73	191.7	1.8	Clear
1:05 PM	12.03	120	0.6	1.2	25.14	607.936	3.03	6.69	203.6	1.97	Clear
1:10 PM	12.03	120	0.6	1.8	25.23	614.072	2.82	6.66	211.6	2.31	Clear
1:15 PM	12.03	120	0.6	2.4	25.2	615.787	2.74	6.64	217	1.44	Clear
1:20 PM	12.03	120	0.6	3	25.17	619.404	2.64	6.63	221	1.36	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-28	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-29	SAMPLE ID: W-29-2023-Q4	DATE: 10/6/2023 9:50:00 AM
TOTAL WELL DEPTH (feet) (A): 15.60	WATER TABLE DEPTH (feet) (B): 11.70	LENGTH OF WATER COLUMN (feet) (A-B): 3.90
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 9.00 - 14.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.64

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/6/2023 9:18:00 AM	PURGING END TIME: 10/6/2023 9:49:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:19 AM	11.74	160	0.8	0.8	20.4	0.368021	8.76	6.28	168.2	6.02	Clear
9:24 AM	11.71	160	0.8	1.6	24.15	421.624	0.62	6.02	181.9	1.18	Clear
9:29 AM	11.71	160	0.8	2.4	24.28	427.002	1.11	6.01	182.5	1.18	Clear
9:34 AM	11.71	160	0.8	3.2	24.34	447.084	0.44	6.05	181.5	2.06	Clear
9:39 AM	11.71	160	0.8	4	24.38	479.542	0.21	6.15	177.7	0.74	Clear
9:44 AM	11.71	160	0.8	4.8	24.4	488.581	0.27	6.19	175.6	2.17	Clear
9:49 AM	11.71	160	0.8	5.6	24.43	500.335	0.25	6.23	173	0.37	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-29	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-30	SAMPLE ID: W-30-2023-Q4	DATE: 10/10/2023 10:56:00 AM
TOTAL WELL DEPTH (feet) (A): 16.77	WATER TABLE DEPTH (feet) (B): 12.00	LENGTH OF WATER COLUMN (feet) (A-B): 4.77
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.78

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.27	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 10:33:00 AM	PURGING END TIME: 10/10/2023 10:55:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:35 AM	12.02	0	0	0	27.32	1178.89	6.29	6.3	185.6	1.42	Clear
10:40 AM	12.03	160	0.8	0.8	25.52	1217.26	0.48	6.07	203.5	1.57	Clear
10:45 AM	12.03	160	0.8	1.6	25.57	1209.73	0.36	6.07	204.7	2.36	Clear
10:50 AM	12.03	160	0.8	2.4	25.55	1208.9	0.28	6.07	205.3	1.55	Clear
10:55 AM	12.03	160	0.8	3.2	25.52	1209.87	0.25	6.07	205.2	1.21	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-30	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-32	SAMPLE ID: W-32-2023-Q4	DATE: 10/5/2023 9:20:00 AM
TOTAL WELL DEPTH (feet) (A): 23.85	WATER TABLE DEPTH (feet) (B): 18.71	LENGTH OF WATER COLUMN (feet) (A-B): 5.14
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 17.00 - 22.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.84

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/5/2023 8:52:00 AM	PURGING END TIME: 10/5/2023 9:17:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:57 AM	18.79	100	0.5	0.5	21.04	1414.65	0.86	6.5	136	0	Clear
9:02 AM	18.81	100	0.5	1	21.06	1449.86	0.62	6.64	122.8	0	Clear
9:07 AM	18.82	100	0.5	1.5	21.19	1452.24	0.45	6.64	110.7	0	Clear
9:12 AM	18.83	100	0.5	2	21.42	1434.16	0.39	6.62	105.9	0	Clear
9:17 AM	18.83	100	0.5	2.5	21.3	1431.88	0.45	6.62	103.3	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-32	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-33	SAMPLE ID: W-33-2023-Q4	DATE: 10/17/2023 12:00:00 PM
TOTAL WELL DEPTH (feet) (A): 21.12	WATER TABLE DEPTH (feet) (B): 15.47	LENGTH OF WATER COLUMN (feet) (A-B): 5.65
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.92

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 11:30:00 AM	PURGING END TIME: 10/17/2023 11:55:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:35 AM	15.52	100	0.5	0.5	20.27	128.138	0.62	5.86	246.9	0	Clear
11:40 AM	15.52	100	0.5	1	20.36	128.329	0.46	5.85	246.2	0	Clear
11:45 AM	15.52	100	0.5	1.5	20.49	128.189	0.43	5.83	244.9	0	Clear
11:50 AM	15.52	100	0.5	2	20.31	128.24	0.41	5.84	242	0	Clear
11:55 AM	15.52	100	0.5	2.5	20.5	128.389	0.35	5.82	240.6	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-33	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-35	SAMPLE ID: W-35-2023-Q4	DATE: 10/17/2023 12:46:00 PM
TOTAL WELL DEPTH (feet) (A): 22.87	WATER TABLE DEPTH (feet) (B): 11.02	LENGTH OF WATER COLUMN (feet) (A-B): 11.85
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.50 - 20.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.93

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.37	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 12:23:00 PM	PURGING END TIME: 10/17/2023 12:44:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:24 PM	11.03	0	0	0	20.02	0.060715	8.59	6.2	177.2	14.25	Clear
12:29 PM	11.03	120	0.6	0.6	21.93	146.406	4.57	6.11	198.4	3.24	Clear
12:34 PM	11.03	120	0.6	1.2	22.09	146.439	4.45	6.12	205.3	0.56	Clear
12:39 PM	11.03	120	0.6	1.8	22.28	145.595	4.44	6.12	204.6	1.13	Clear
12:44 PM	11.03	120	0.6	2.4	22.57	144.393	4.36	6.12	196.3	0.21	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-35	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-36	SAMPLE ID: W-36-2023-Q4	DATE: 10/26/2023 9:58:00 AM
TOTAL WELL DEPTH (feet) (A): 21.96	WATER TABLE DEPTH (feet) (B): 8.00	LENGTH OF WATER COLUMN (feet) (A-B): 13.96
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.28

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.46	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/26/2023 9:01:00 AM	PURGING END TIME: 10/26/2023 9:57:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:02 AM	8.3	100	0.5	0.5	19.86	46.7724	6.18	5.77	174.1	51.33	Clear
9:07 AM	8.47	100	0.5	1	21.28	45.9359	0.92	5.59	213.2	17.24	Clear
9:12 AM	8.57	100	0.5	1.5	21.63	45.6145	0.61	5.59	226.6	3.88	Clear
9:17 AM	8.62	100	0.5	2	21.84	45.4508	0.38	5.57	233.4	3.19	Clear
9:22 AM	8.65	100	0.5	2.5	21.9	45.1962	1.72	5.57	238.4	2.11	Clear
9:27 AM	8.65	100	0.5	3	21.94	45.078	0.25	5.57	242.4	1.32	Clear
9:32 AM	8.65	100	0.5	3.5	22.13	44.9272	0.33	5.56	244.6	1.25	Clear
9:37 AM	8.65	100	0.5	4	22.26	44.783	0.89	5.53	246.4	1.53	Clear
9:42 AM	8.65	100	0.5	4.5	22.36	44.8162	0.26	5.58	247.3	1.9	Clear
9:47 AM	8.65	100	0.5	5	22.5	44.8892	0.82	5.56	245	2.33	Clear
9:52 AM	8.65	100	0.5	5.5	22.6	44.7707	1.07	5.56	241.4	4.29	Clear
9:57 AM	8.65	100	0.5	6	22.6	44.6411	1.02	5.58	237.2	5.17	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-36	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-37	SAMPLE ID: W-37-2023-Q4	DATE: 10/13/2023 11:43:00 AM
TOTAL WELL DEPTH (feet) (A): 23.02	WATER TABLE DEPTH (feet) (B): 11.26	LENGTH OF WATER COLUMN (feet) (A-B): 11.76
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.50 - 20.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.92

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.52	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 11:20:00 AM	PURGING END TIME: 10/13/2023 11:42:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:22 AM	11.29	0	0	0	23.77	125.76	5.97	6.03	73.9	24.15	Clear
11:27 AM	11.29	120	0.6	0.6	23.58	127.975	5.16	5.99	143.4	2.42	Clear
11:32 AM	11.29	120	0.6	1.2	23.68	127.722	5	5.97	154.5	3.62	Clear
11:37 AM	11.29	120	0.6	1.8	23.71	127.771	4.88	5.96	152.3	2.51	Clear
11:42 AM	11.29	120	0.6	2.4	23.78	127.287	4.84	5.96	161.5	1.71	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-37	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-38	SAMPLE ID: W-38-2023-Q4	DATE: 10/10/2023 3:09:00 PM
TOTAL WELL DEPTH (feet) (A): 20.15	WATER TABLE DEPTH (feet) (B): 9.99	LENGTH OF WATER COLUMN (feet) (A-B): 10.16
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.66

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 2:11:00 PM	PURGING END TIME: 10/10/2023 3:08:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:13 PM	10.12	140	0	0	35.17	0.0460054	5.67	5.74	198.4	2.12	Clear
2:18 PM	10.12	140	0.7	0.7	25.24	166.718	3.14	5.55	234	13.12	Clear
2:23 PM	10.12	120	0.6	1.3	25.09	166.51	3.04	5.54	240.3	11.34	Clear
2:28 PM	10.12	120	0.6	1.9	24.97	165.604	2.99	5.48	246.9	17.65	Clear
2:33 PM	10.12	120	0.6	2.5	25.17	165.273	3.11	5.47	248.3	21.11	Clear
2:38 PM	10.12	120	0.6	3.1	25.31	165.456	2.99	5.46	251.8	24.5	Clear
2:43 PM	10.08	100	0.5	3.6	25.4	165.379	3.1	5.48	252	38.81	Clear
2:49 PM	10.08	100	0.5	4.1	25.53	165.293	3	5.47	253.8	56.84	Clear
2:53 PM	10.08	100	0.5	4.6	25.43	165.384	2.97	5.48	254.5	69.78	Clear
2:58 PM	10.08	100	0.5	5.1	25.45	165.195	2.96	5.48	255.4	90.33	Clear
3:03 PM	10.08	100	0.5	5.6	25.26	164.839	2.95	5.47	256.2	99.16	Clear
3:08 PM	10.08	100	0.5	6.1	25.22	164.733	2.96	5.48	256.3	106.43	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-38	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-39	SAMPLE ID: W-39-2023-Q4	DATE: 10/12/2023 9:15:00 AM
TOTAL WELL DEPTH (feet) (A): 25.20	WATER TABLE DEPTH (feet) (B): 15.68	LENGTH OF WATER COLUMN (feet) (A-B): 9.52
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 13.00 - 23.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.55

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 8:31:00 AM	PURGING END TIME: 10/12/2023 9:11:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:36 AM	15.7	100	0.5	0.5	19.88	642.78	1.48	5.58	266.9	0	Clear
8:41 AM	15.69	100	0.5	1	20	642.661	1.27	5.57	273.5	0	Clear
8:46 AM	15.69	100	0.5	1.5	20.12	641.983	1.15	5.58	283.5	0	Clear
8:51 AM	15.69	100	0.5	2	20.46	638.053	1.08	5.57	306	0	Clear
8:56 AM	15.69	100	0.5	2.5	20.58	636.195	1.05	5.58	319	0	Clear
9:01 AM	15.69	100	0.5	3	19.97	638.195	1.09	5.58	328.8	0	Clear
9:06 AM	15.69	100	0.5	3.5	20.22	644.07	1.12	5.57	323.1	0	Clear
9:11 AM	15.69	100	0.5	4	20.15	649.686	1.13	5.56	322	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-39	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-40	SAMPLE ID: W-40-2023-Q4	DATE: 10/17/2023 11:03:00 AM
TOTAL WELL DEPTH (feet) (A): 17.25	WATER TABLE DEPTH (feet) (B): 11.25	LENGTH OF WATER COLUMN (feet) (A-B): 6.00
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 4.50 - 14.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.98

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 10:38:00 AM	PURGING END TIME: 10/17/2023 11:01:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:41 AM	11.38	0	0	0	18.9	0.0621927	8.17	6.01	162.2	54.42	Clear
10:46 AM	11.4	100	0.5	0.5	22.05	90.4684	0.66	6.1	164.1	25.02	Clear
10:51 AM	11.4	120	0.6	1.1	22.16	90.5368	0.53	6.1	168.8	16.59	Clear
10:56 AM	11.4	120	0.6	1.7	22.15	90.3198	0.45	6.11	172.5	15.81	Clear
11:01 AM	11.4	120	0.6	2.3	22.15	90.3079	0.45	6.14	173.6	17.87	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-40	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-41R	SAMPLE ID: W-41R-2023-Q4	DATE: 10/16/2023 2:50:00 PM
TOTAL WELL DEPTH (feet) (A): 27.10	WATER TABLE DEPTH (feet) (B): 15.53	LENGTH OF WATER COLUMN (feet) (A-B): 11.57
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 14.50 - 24.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.89

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 2:20:00 PM	PURGING END TIME: 10/16/2023 2:45:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:25 PM	15.59	100	0.5	0.5	19.53	425.323	3.96	5.53	270	0	Clear
2:30 PM	15.6	100	0.5	1	19.64	420.581	3.94	5.53	270.8	0	Clear
2:35 PM	15.6	100	0.5	1.5	19.68	420.916	4.03	5.54	270	0	Clear
2:40 PM	15.6	100	0.5	2	19.8	425.52	3.85	5.54	270.7	0	Clear
2:45 PM	15.6	100	0.5	2.5	19.87	428.919	3.73	5.53	270.1	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-41R	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	250 ml	Amber Glass	None	SVOCs	PACE-SC-WCOL
1	250 ml	Poly	None	Tritium	GEL
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-42	SAMPLE ID: W-42-2023-Q4	DATE: 10/19/2023 10:45:00 AM
TOTAL WELL DEPTH (feet) (A): 32.95	WATER TABLE DEPTH (feet) (B): 25.38	LENGTH OF WATER COLUMN (feet) (A-B): 7.57
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 20.00 - 30.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.24

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 10:10:00 AM	PURGING END TIME: 10/19/2023 10:40:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:15 AM	25.49	100	0.5	0.5	18.74	65.127	1.2	5.11	268.2	0	Clear
10:20 AM	25.52	100	0.5	1	19.07	63.2255	1.18	5.1	267.6	0	Clear
10:25 AM	25.54	100	0.5	1.5	19.33	60.3211	1.37	5.1	271.6	0	Clear
10:30 AM	25.56	100	0.5	2	19.23	58.2969	1.49	5.11	277.3	0	Clear
10:35 AM	25.57	100	0.5	2.5	19.41	58.5314	1.46	5.11	281.4	0	Clear
10:40 AM	25.58	100	0.5	3	19.72	58.7947	1.42	5.1	283.9	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-42	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-43	SAMPLE ID: W-43-2023-Q4	DATE: 10/11/2023 11:30:00 AM
TOTAL WELL DEPTH (feet) (A): 24.02	WATER TABLE DEPTH (feet) (B): 14.61	LENGTH OF WATER COLUMN (feet) (A-B): 9.41
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 11.00 - 21.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.54

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 11:03:00 AM	PURGING END TIME: 10/11/2023 11:28:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:08 AM	14.63	100	0.5	0.5	21.88	89.0897	3.62	5.25	260.2	0	Clear
11:13 AM	14.63	100	0.5	1	21.83	89.0209	3.51	5.22	269.7	0	Clear
11:18 AM	14.63	100	0.5	1.5	21.76	89.7803	3.57	5.24	273.1	1.37	Clear
11:23 AM	14.63	100	0.5	2	21.93	91.3641	3.75	5.28	272.3	2.75	Clear
11:28 AM	11.63	100	0.5	2.5	22.07	92.4592	3.92	5.31	271.7	5.32	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-43	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-44	SAMPLE ID: W-44-2023-Q4	DATE: 10/16/2023 9:15:00 AM
TOTAL WELL DEPTH (feet) (A): 29.93	WATER TABLE DEPTH (feet) (B): 18.11	LENGTH OF WATER COLUMN (feet) (A-B): 11.82
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 17.00 - 27.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.93

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 8:47:00 AM	PURGING END TIME: 10/16/2023 9:12:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:52 AM	18.18	100	0.5	0.5	17.8	84.0028	3.64	5.2	235.8	34.86	Clear
8:57 AM	18.18	100	0.5	1	18.07	83.585	3.35	5.19	246.1	3.16	Clear
9:02 AM	18.18	100	0.5	1.5	17.73	83.4558	3.33	5.2	249.1	0	Clear
9:07 AM	18.18	100	0.5	2	17.66	83.2534	3.3	5.2	251.9	0	Clear
9:12 AM	18.18	100	0.5	2.5	17.45	83.2149	3.38	5.2	252	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-44	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-45	SAMPLE ID: W-45-2023-Q4	DATE: 10/16/2023 2:40:00 PM
TOTAL WELL DEPTH (feet) (A): 18.24	WATER TABLE DEPTH (feet) (B): 12.01	LENGTH OF WATER COLUMN (feet) (A-B): 6.23
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.02

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.74	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 1:51:00 PM	PURGING END TIME: 10/16/2023 2:38:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:53 PM	12.18	0	0	0	23.81	171.835	4.41	6.35	-30.9	41.83	Orange tinged
1:58 PM	12.2	120	0.6	0.6	23.84	120.286	0.71	6.26	-12.8	42.88	Orange tinged
2:03 PM	12.2	100	0.5	1.1	23.68	103.584	0.47	6.13	7.9	39.03	Orange tinged
2:08 PM	12.2	100	0.5	1.6	23.5	123.53	0.49	6.16	-0.8	24.55	Clearing
2:13 PM	12.2	100	0.5	2.1	23.44	130.162	0.51	6.25	-50.5	19.39	Clearing
2:18 PM	12.2	100	0.5	2.6	23.59	137.452	0.41	6.28	-65.9	19.72	Clear
2:23 PM	12.2	100	0.5	3.1	23.64	145.745	0.43	6.31	-74.9	13.89	Clear
2:28 PM	12.2	100	0.5	3.6	23.44	152.983	0.43	6.34	-86.1	12.36	Clear
2:33 PM	12.2	100	0.5	4.1	23.46	157.15	0.29	6.36	-87.6	9.05	Clear
2:38 PM	12.2	100	0.5	4.6	23.62	160.256	0.25	6.37	-88.9	8.82	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-45	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-46	SAMPLE ID: W-46-2023-Q4	DATE: 10/17/2023 2:05:00 PM
TOTAL WELL DEPTH (feet) (A): 28.06	WATER TABLE DEPTH (feet) (B): 13.67	LENGTH OF WATER COLUMN (feet) (A-B): 14.39
CASING DIAMETER / MATL: 4 in, PVC	WELL SCREEN INTERVAL DEPTH: 16.00 - 26.00 ft	CALCULATED SYSTEM VOLUME (gallons): 9.39

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 1:37:00 PM	PURGING END TIME: 10/17/2023 2:02:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:42 PM	13.9	100	0.5	0.5	19.3	207.769	0.84	5.7	246.2	0	Clear
1:47 PM	14.02	100	0.5	1	19.62	207.509	0.55	5.69	248.1	0	Clear
1:52 PM	14.08	100	0.5	1.5	19.4	206.512	0.52	5.7	247.9	0	Clear
1:57 PM	14.14	100	0.5	2	19.42	206.612	0.49	5.7	248.1	0	Clear
2:02 PM	14.21	100	0.5	2.5	19.47	206.208	0.36	5.69	248.4	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-46	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-47	SAMPLE ID: W-47-2023-Q4	DATE: 10/19/2023 11:00:00 AM
TOTAL WELL DEPTH (feet) (A): 46.75	WATER TABLE DEPTH (feet) (B): 26.09	LENGTH OF WATER COLUMN (feet) (A-B): 20.66
CASING DIAMETER / MATL: 4 in, PVC	WELL SCREEN INTERVAL DEPTH: 34.50 - 44.50 ft	CALCULATED SYSTEM VOLUME (gallons): 13.49

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 10:30:00 AM	PURGING END TIME: 10/19/2023 10:58:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:33 AM	26.15	0	0	0	17.61	591.873	7.19	6.12	205.7	15	Clear
10:38 AM	26.15	140	0.7	0.7	18.38	581.547	0.71	6.19	210	3.33	Clear
10:43 AM	26.15	140	0.7	1.4	18.43	581.848	0.61	6.19	210.6	0.36	Clear
10:48 AM	26.15	140	0.7	2.1	18.49	581.475	0.48	6.12	211.2	1.55	Clear
10:53 AM	26.15	140	0.7	2.8	18.55	581.965	0.41	6.14	211.6	0.48	Clear
10:58 AM	26.15	140	0.7	3.5	18.55	580.991	0.39	6.12	211.9	1.47	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-47	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-48	SAMPLE ID: W-48-2023-Q4	DATE: 10/18/2023 2:50:00 PM
TOTAL WELL DEPTH (feet) (A): 44.11	WATER TABLE DEPTH (feet) (B): 26.32	LENGTH OF WATER COLUMN (feet) (A-B): 17.79
CASING DIAMETER / MATL: 4 in, PVC	WELL SCREEN INTERVAL DEPTH: 31.50 - 41.50 ft	CALCULATED SYSTEM VOLUME (gallons): 11.61

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41.61	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 2:19:00 PM	PURGING END TIME: 10/18/2023 2:48:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:28 PM	26.42	0	0	0	22.57	127.244	7.82	5.96	250.5	42.23	Cloudy
2:33 PM	26.5	120	0.6	0.6	19.53	113.896	1.8	5.65	261	32.36	Clear
2:38 PM	26.55	120	0.6	1.2	19.39	114.028	1.63	5.58	267.2	23.66	Clear
2:43 PM	26.55	120	0.6	1.8	19.32	114.194	1.55	5.55	269.5	13.19	Clear
2:48 PM	26.55	120	0.6	2.4	19.28	114.494	1.46	5.47	271.2	7.3	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-48	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
2	250 ml	Amber Glass	None	SVOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	GAMMA SPEC,Gross Alpha,Gross Beta,ISO & TOTAL U ICPMS,Tc-99	GEL
1	250 ml	Poly	None	Tritium	GEL
3	40 ml	VOA vial	HCL	VOCs	PACE-SC-WCOL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-49	SAMPLE ID: W-49-2023-Q4	DATE: 10/19/2023 12:30:00 PM
TOTAL WELL DEPTH (feet) (A): 118.51	WATER TABLE DEPTH (feet) (B): 28.50	LENGTH OF WATER COLUMN (feet) (A-B): 90.01
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 108.00 - 118.00 ft	CALCULATED SYSTEM VOLUME (gallons): 14.69

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 113	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 11:44:00 AM	PURGING END TIME: 10/19/2027 11:59:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:49 AM	28.51	100	0.5	0.5	21.49	44.6878	1.8	5.67	68.2	196.62	Light brown
11:54 AM	28.51	100	0.5	1	21.62	40.689	1.43	5.64	75.5	149.66	Light brown
12:04 PM	28.51	100	0.5	1.5	21.51	36.7548	1.03	5.48	91.2	40.8	Clear
12:09 PM	28.51	100	0.5	2	21.69	34.4415	0.87	5.44	94.3	45.59	Clear
12:14 PM	28.51	100	0.5	2.5	21.8	33.1181	0.86	5.38	104	13.73	Clear
12:19 PM	28.51	100	0.5	3	21.73	31.232	0.8	5.26	119.4	6.13	Clear
12:24 PM	28.51	100	0.5	3.5	21.97	30.9549	0.73	5.24	119.6	13.8	Clear
12:29 PM	28.51	100	0.5	4	22.06	30.7928	0.71	5.24	118.8	3.69	Clear
11:59 AM	28.51	100	0.5	4.5	21.53	37.7278	1.15	5.52	90.6	97.74	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-49	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-50	SAMPLE ID: W-50-2023-Q4	DATE: 10/17/2023 10:18:00 AM
TOTAL WELL DEPTH (feet) (A): 128.52	WATER TABLE DEPTH (feet) (B): 22.94	LENGTH OF WATER COLUMN (feet) (A-B): 105.58
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 115.00 - 125.00 ft	CALCULATED SYSTEM VOLUME (gallons): 17.23

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 123.52	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 9:11:00 AM	PURGING END TIME: 10/17/2023 10:16:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:21 AM	22.94	0	0	0	15.03	28.4359	9.99	5.8	71.4	14.38	Cloudy
9:26 AM	22.94	100	0.5	0.5	18.01	28.7429	1.22	5.15	64.4	80.88	Cloudy
9:31 AM	22.94	120	0.6	1.1	18.05	28.8893	0.8	5.12	105.8	65.21	Cloudy
9:36 AM	22.94	120	0.6	1.7	18.67	28.8709	0.58	5.11	133	47.61	Cloudy
9:41 AM	22.94	120	0.6	2.3	18.81	28.8634	0.43	5.11	141.2	41.74	Clearing
9:46 AM	2294	120	0.6	2.9	19.04	28.8654	0.37	5.11	151.4	38.48	Clear
9:51 AM	22.94	120	0.6	3.5	19.02	28.8359	0.34	5.1	164.2	38.14	Clear
9:56 AM	22.94	120	0.6	4.1	19.25	28.7777	0.32	5.1	176.9	33.24	Clear
10:01 AM	22.94	120	0.6	4.7	19.23	28.7843	0.3	5.1	187	29.05	Clear
10:06 AM	22.94	120	0.6	5.3	19.36	28.8073	0.42	5.12	195.6	24.14	Clear
10:11 AM	22.94	120	0.6	5.9	19.41	28.7536	0.34	5.11	200.7	18.61	Clear
10:16 AM	22.94	120	0.6	6.5	19.31	28.8155	0.27	5.12	211.6	22.45	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-50	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-51	SAMPLE ID: W-51-2023-Q4	DATE: 10/3/2023 1:40:00 PM
TOTAL WELL DEPTH (feet) (A): 14.71	WATER TABLE DEPTH (feet) (B): 8.24	LENGTH OF WATER COLUMN (feet) (A-B): 6.47
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 9.50 - 14.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.06

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/3/2023 1:10:00 PM	PURGING END TIME: 10/3/2023 1:35:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:15 PM	8.28	100	0.5	0.5	27.61	253.893	0.39	6.93	-171.1	14.35	Clear
1:20 PM	8.27	100	0.5	1	27.35	252.621	0.27	6.93	-181	13.08	Clear
1:25 PM	8.27	100	0.5	1.5	27.52	251.866	0.24	6.92	-185.3	10.24	Clear
1:30 PM	8.27	100	0.5	2	27.77	249.264	0.21	6.91	-188.2	6.13	Clear
1:35 PM	8.27	100	0.5	2.5	27.74	247.425	0.18	6.91	-189.7	5.94	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-51	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-52	SAMPLE ID: W-52-2023-Q4	DATE: 10/3/2023 1:23:00 PM
TOTAL WELL DEPTH (feet) (A): 15.03	WATER TABLE DEPTH (feet) (B): 8.15	LENGTH OF WATER COLUMN (feet) (A-B): 6.88
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.12

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/3/2023 1:01:00 PM	PURGING END TIME: 10/3/2023 1:22:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:02 PM	8.15		0	0	30.99	207.599	1.94	5.95	124.5	12.06	Clear
1:07 PM	8.15	0.8	0.75	0.75	27.5	186.182	1.24	5.89	132	12.71	Clear
1:12 PM	8.15	0.75	0.75	1.5	27.34	180.772	1	5.89	128	5.8	Clear
1:17 PM	8.17	0.8	0.8	2.3	27.19	175.727	0.87	5.88	126.2	7.01	Clear
1:22 PM	8.17	0.8	0.8	3.1	27.04	174.007	0.81	5.86	124.7	4.57	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-52	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-53	SAMPLE ID: W-53-2023-Q4	DATE: 10/3/2023 11:40:00 AM
TOTAL WELL DEPTH (feet) (A): 15.45	WATER TABLE DEPTH (feet) (B): 8.51	LENGTH OF WATER COLUMN (feet) (A-B): 6.94
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 11.00 - 16.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.13

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 12/3/2023 10:29:00 AM	PURGING END TIME: 10/3/2023 11:39:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:39 AM	8.55		0	0	23.67	165.76	1.3	6.18	29	7.24	Clear
10:44 AM	8.6		0.8	0.8	24.68	157.893	0.37	6.16	19.9	9.26	Clear
10:49 AM	8.6	0.8	0.8	1.6	24.8	160.919	0.27	6.17	-100.9	1.78	Clear
10:54 AM	8.6	0.8	0.8	2.4	24.87	164.449	0.22	6.2	-166.9	0.65	Clear
10:59 AM	8.61	0.8	0.8	3.2	25.04	167.328	0.19	6.22	-179.8	0.37	Clear
11:04 AM	8.61	0.8	0.8	4	25.14	168.426	0.18	6.21	-189.5	0.43	Clear
11:09 AM	8.61	0.8	0.8	4.8	25.32	169.151	0.71	6.22	-176.5	0.37	Clear
11:14 AM	8.61	0.8	0.8	5.6	25.34	170.607	0.21	6.23	-183.8	0.45	Clear
11:19 AM	8.61	0.8	0.8	6.4	25.42	170.631	0.4	6.23	-176.2	0.4	Clear
11:24 AM	8.61	0.8	0.8	7.2	25.24	172.215	1.29	6.24	-173	0.53	Clear
11:29 AM	8.61	0.8	0.8	8	25.38	172.472	0.31	6.24	-174.7	1.17	Clear
11:34 AM	8.61	0.8	0.8	8.8	25.57	173.019	0.19	6.24	-181.5	0.77	Clear
11:39 AM	8.61	0.8	0.8	9.6	25.7	173.798	0.17	6.25	-189	0.64	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-53	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-54	SAMPLE ID: W-54-2023-Q4	DATE: 10/3/2023 12:35:00 PM
TOTAL WELL DEPTH (feet) (A): 15.82	WATER TABLE DEPTH (feet) (B): 8.58	LENGTH OF WATER COLUMN (feet) (A-B): 7.24
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 11.00 - 16.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.18

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/3/2023 12:05:00 PM	PURGING END TIME: 10/3/2023 12:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:10 PM	8.58	100	0.5	0.5	25.97	129.647	3.58	5.88	103.8	19.95	Clear
12:15 PM	8.58	100	0.5	1	26.12	129.909	3.15	5.89	103.2	15.86	Clear
12:20 PM	8.58	100	0.5	1.5	26.15	132.816	2.81	5.92	100.8	5.76	Clear
12:25 PM	8.58	100	0.5	2	26.14	132.6	2.63	5.91	102.4	5.4	Clear
12:30 PM	8.58	100	0.5	2.5	26.13	135.618	2.5	5.95	100.1	3.5	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-54	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-55	SAMPLE ID: W-55-2023-Q4	DATE: 10/12/2023 1:06:00 PM
TOTAL WELL DEPTH (feet) (A): 15.04	WATER TABLE DEPTH (feet) (B): 8.86	LENGTH OF WATER COLUMN (feet) (A-B): 6.18
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.01

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.54	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 12:44:00 PM	PURGING END TIME: 10/12/2023 1:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:45 PM	8.86	0	0	0	19.57	0.0613052	9.65	6.13	185.1	52.39	Clear
12:50 PM	8.87	140	0.7	0.7	23.74	132.847	4.42	5.99	217.1	3.47	Clear
12:55 PM	8.87	140	0.7	1.4	23.99	132.708	4.35	5.98	224.2	2.45	Clear
1:00 PM	8.87	140	0.7	2.1	24.01	132.577	4.34	5.98	228.4	0.7	Clear
1:05 PM	8.87	140	0.7	2.8	23.98	132.501	4.31	5.98	230.4	0.55	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-55	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-56	SAMPLE ID: W-56-2023-Q4	DATE: 10/12/2023 11:11:00 AM
TOTAL WELL DEPTH (feet) (A): 15.04	WATER TABLE DEPTH (feet) (B): 8.96	LENGTH OF WATER COLUMN (feet) (A-B): 6.08
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.99

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.54	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 10:48:00 AM	PURGING END TIME: 10/12/2023 11:10:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:50 AM	9.02	140	0	0	19.67	118.731	8.6	6.29	171.3	11.11	Clear
10:55 AM	9.02	140	0.7	0.7	24.66	128.409	3.91	5.95	197.7	4.37	Clear
11:00 AM	9.02	140	0.7	1.4	24.75	130.36	3.82	5.96	205.6	0.9	Clear
11:05 AM	9.02	140	0.7	2.1	24.65	130.637	3.84	5.95	207.7	0.97	Clear
11:10 AM	9.02	140	0.7	2.8	24.44	130.113	3.81	5.95	210.1	1.05	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-56	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: HDPE	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-57	SAMPLE ID: W-57-2023-Q4	DATE: 10/6/2023 1:36:00 PM
TOTAL WELL DEPTH (feet) (A): 14.96	WATER TABLE DEPTH (feet) (B): 9.35	LENGTH OF WATER COLUMN (feet) (A-B): 5.61
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.92

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME:	PURGING END TIME:	PUMP TYPE:

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:10 PM	9.45	160	0.8	0.8	27.24	45.718	7.14	5.81	164.8	2.26	Clear
1:15 PM	9.47	160	0.8	1.6	27.16	160.871	1.03	5.8	180.6	2.6	Clear
1:20 PM	9.47	160	0.8	2.4	27.08	149.893	0.69	5.82	176.8	4.37	Clear
1:25 PM	9.47	160	0.8	3.2	26.99	146.929	0.52	5.83	175.7	4.63	Clear
1:30 PM	9.47	160	0.8	4	26.99	145.75	0.44	5.83	175.7	3.81	Clear
1:35 PM	9.47	160	0.8	4.8	27.01	144.727	0.42	5.87	175.7	3.28	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-57	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-58	SAMPLE ID: W-58-2023-Q4	DATE: 10/6/2023 1:40:00 PM
TOTAL WELL DEPTH (feet) (A): 15.07	WATER TABLE DEPTH (feet) (B): 10.19	LENGTH OF WATER COLUMN (feet) (A-B): 4.88
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.80

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/6/2023 1:14:00 PM	PURGING END TIME: 10/6/2023 1:39:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:19 PM	10.25	120	0.6	0.6	27.38	254.759	0.43	6.44	163.7	2.87	Clear
1:24 PM	10.24	120	0.6	1.2	27.4	240.467	0.33	6.4	162.1	0	Clear
1:29 PM	10.25	120	0.6	1.8	27.26	238.436	0.24	6.4	159.9	0	Clear
1:34 PM	10.25	120	0.6	2.4	27.45	240.608	0.22	6.41	157	0	Clear
1:39 PM	10.25	120	0.6	3	27.32	243.653	0.19	6.41	155.3	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-58	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-59	SAMPLE ID: W-59-2023-Q4	DATE: 10/10/2023 2:35:00 PM
TOTAL WELL DEPTH (feet) (A): 14.93	WATER TABLE DEPTH (feet) (B): 10.43	LENGTH OF WATER COLUMN (feet) (A-B): 4.50
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 9.50 - 14.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.73

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 2:06:00 PM	PURGING END TIME: 10/10/2023 2:31:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:11 PM	10.56	100	0.5	0.5	27.82	864.644	0.53	5.82	235.3	1.27	Clear
2:16 PM	10.6	100	0.5	1	27.77	854.032	0.35	5.87	231.5	0	Clear
2:21 PM	10.6	100	0.5	1.5	27.92	861.308	0.37	5.87	229.5	0	Clear
2:26 PM	10.61	100	0.5	2	27.68	870.716	0.3	5.87	227.9	0	Clear
2:31 PM	10.61	100	0.5	2.5	27.7	878.437	0.27	5.88	226.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-59	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-60	SAMPLE ID: W-60-2023-Q4	DATE: 10/4/2023 1:07:00 PM
TOTAL WELL DEPTH (feet) (A): 40.80	WATER TABLE DEPTH (feet) (B): 21.76	LENGTH OF WATER COLUMN (feet) (A-B): 19.04
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 33.00 - 38.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.11

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 12:02:00 PM	PURGING END TIME: 10/4/2023 1:06:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:06 PM	21.76		0	0	21.96	111.101	1.94	5.87	91.1	201.03	Clear
12:11 PM	21.76	120	0.6	0.6	20.28	110.116	0.83	5.88	79.2	140.51	Clear
12:16 PM	21.73	120	0.6	1.2	20.15	109.838	0.6	5.86	69.4	108.31	Clear
12:21 PM	21.73	120	0.6	1.8	20.08	109.894	0.48	5.86	43.9	103.44	Clear
12:26 PM	21.73	120	0.6	2.4	20.11	109.817	0.48	5.87	36.1	51.64	Clear
12:31 PM	21.73	120	0.6	3	20.03	109.865	0.38	5.87	32.2	56.54	Clear
12:36 PM	21.73	120	0.6	3.6	19.97	109.727	0.3	5.86	30.3	43.84	Clear
12:41 PM	21.73	120	0.6	4.2	19.89	109.533	0.38	5.86	21.5	77.57	Clear
12:46 PM	21.73	120	0.6	4.8	19.99	109.292	0.3	5.85	24.7	57.2	Clear
12:51 PM	21.73	120	0.6	5.4	19.94	109.564	0.39	5.85	23.7	55.77	Clear
12:56 PM	21.73	120	0.6	6	19.95	109.553	0.4	5.84	18.8	74.07	Clear
1:01 PM	21.73	120	0.6	6.6	19.91	109.507	0.34	5.84	15.7	63.79	Clear
1:06 PM	21.73	120	0.6	7.2	19.9	109.509	0.27	5.84	2.3	69.47	None

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-60	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-61	SAMPLE ID: W-61-2023-Q4	DATE: 10/4/2023 2:23:00 PM
TOTAL WELL DEPTH (feet) (A): 26.75	WATER TABLE DEPTH (feet) (B): 18.05	LENGTH OF WATER COLUMN (feet) (A-B): 8.70
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 13.50 - 23.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.42

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 1:32:00 PM	PURGING END TIME: 10/4/2023 2:21:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:36 PM	18.21		0	0	22.31	97.3689	5.87	5.38	73.9	141.1	Clear
1:41 PM	18.52	160	0.8	0.8	20.15	99.8548	3.39	5.29	151.6	89.51	Clear
1:46 PM	18.77	100	0.5	1.3	20.34	100.374	3.28	5.26	166	68.93	Clear
1:51 PM	18.95	100	0.5	1.8	20.25	100.999	3.38	5.25	174.3	53.42	Clear
1:56 PM	19.09	100	0.5	2.3	20.15	105.422	3.5	5.26	176.3	49.72	Clear
2:01 PM	19.25	100	0.5	2.8	20.13	110.652	3.68	5.26	176.5	36.15	Clear
2:06 PM	19.39	100	0.5	3.3	20.42	116.729	3.83	5.26	176.3	30.21	Clear
2:11 PM	19.54	100	0.5	3.8	20.29	121.576	3.92	5.26	178.7	31.69	Clear
2:16 PM	19.68	100	0.5	4.3	20.36	124.63	3.93	5.28	180.2	30.45	Clear
2:21 PM	19.79	100	0.5	4.8	20.44	123.289	3.92	5.27	182.7	29.15	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-61	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-62	SAMPLE ID: W-62-2023-Q4	DATE: 10/17/2023 10:35:00 AM
TOTAL WELL DEPTH (feet) (A): 27.54	WATER TABLE DEPTH (feet) (B): 13.24	LENGTH OF WATER COLUMN (feet) (A-B): 14.30
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 20.00 - 25.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.33

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 10:09:00 AM	PURGING END TIME: 10/17/2023 10:34:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:14 AM	13.28	100	0.5	0.5	17.39	86.4047	3.11	5.55	264.6	0	Clear
10:19 AM	13.28	100	0.5	1	17.52	86.2997	3.03	5.55	268.5	0	Clear
10:24 AM	13.28	100	0.5	1.5	17.72	86.283	2.98	5.55	270.1	0	Clear
10:29 AM	13.29	100	0.5	2	17.75	86.3605	2.95	5.56	272.1	0	Clear
10:34 AM	13.29	100	0.5	2.5	17.77	86.3241	2.91	5.55	273.3	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-62	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-63	SAMPLE ID: W-63-2023-Q4	DATE: 10/12/2023 2:25:00 PM
TOTAL WELL DEPTH (feet) (A): 44.07	WATER TABLE DEPTH (feet) (B): 26.35	LENGTH OF WATER COLUMN (feet) (A-B): 17.72
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 37.00 - 42.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.89

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 1:35:00 PM	PURGING END TIME: 10/12/2023 2:20:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:40 PM	26.82	100	0.5	0.5	18.91	399.038	1.32	6.69	45.3	16.22	Clear
1:45 PM	26.95	100	0.5	1	19.01	399.773	0.97	6.68	52.8	6.92	Clear
1:50 PM	27.02	100	0.5	1.5	19	398.846	0.71	6.68	56.7	3.18	Clear
1:55 PM	27.07	100	0.5	2	19.02	397.935	0.69	6.69	75.2	0.11	Clear
2:00 PM	27.12	100	0.5	2.5	19.08	397.183	0.55	6.69	92.2	0	Clear
2:05 PM	27.07	100	0.5	3	19.01	396.202	0.64	6.69	104.3	0	Clear
2:10 PM	27.06	100	0.5	3.5	19.08	395.304	0.61	6.69	114	0	Clear
2:15 PM	27.06	100	0.5	4	19.02	393.468	0.62	6.69	118.7	0	Clear
2:20 PM	27.06	100	0.5	4.5	18.96	391.037	0.6	6.68	123.2	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-63	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-64	SAMPLE ID: W-64-2023-Q4	DATE: 10/19/2023 9:56:00 AM
TOTAL WELL DEPTH (feet) (A): 34.16	WATER TABLE DEPTH (feet) (B): 26.38	LENGTH OF WATER COLUMN (feet) (A-B): 7.78
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 21.50 - 31.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.27

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 9:28:00 AM	PURGING END TIME: 10/19/2023 9:54:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:34 AM	26.54	140	0	0	12.03	0.073039	8.43	6.18	237.6	3.71	Clear
9:39 AM	26.54	140	0.7	0.7	17.81	501.388	0.75	6	220.5	0.02	Clear
9:44 AM	26.54	140	0.7	1.4	18.16	492.904	0.43	5.99	220.5	0.47	Clear
9:49 AM	26.54	140	0.7	2.1	18.41	497.695	0.28	6	219.1	0.95	Clear
9:54 AM	26.54	140	0.7	2.8	18.49	498.932	0.25	6	218.8	0.32	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-64	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-65	SAMPLE ID: W-65-2023-Q4	DATE: 10/12/2023 11:20:00 AM
TOTAL WELL DEPTH (feet) (A): 34.40	WATER TABLE DEPTH (feet) (B): 13.18	LENGTH OF WATER COLUMN (feet) (A-B): 21.22
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 26.50 - 31.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.46

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 10:54:00 AM	PURGING END TIME: 10/12/2023 11:19:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:59 AM	13.46	100	0.5	0.5	19.44	113.628	0.71	5.95	242.7	0	Clear
11:04 AM	13.47	100	0.5	1	19.69	112.997	0.52	5.95	241.1	0	Clear
11:09 AM	13.48	100	0.5	1.5	19.7	113.559	0.41	5.96	238.8	0	Clear
11:14 AM	13.48	100	0.5	2	19.32	112.516	0.33	5.95	237.6	0	Clear
11:19 AM	13.48	100	0.5	2.5	19.32	112.58	0.28	5.93	236.9	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-65	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-66	SAMPLE ID: W-66-2023-Q4	DATE: 10/12/2023 12:35:00 PM
TOTAL WELL DEPTH (feet) (A): 25.18	WATER TABLE DEPTH (feet) (B): 12.79	LENGTH OF WATER COLUMN (feet) (A-B): 12.39
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 12.50 - 22.50 ft	CALCULATED SYSTEM VOLUME (gallons): 2.02

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 12:05:00 PM	PURGING END TIME: 10/12/2023 12:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:10 PM	12.79	100	0.5	0.5	19.9	82.7233	1.31	5.36	285.8	0	Clear
12:15 PM	12.79	100	0.5	1	20.04	81.7085	1.05	5.36	301.1	0	Clear
12:20 PM	12.79	100	0.5	1.5	20.2	82.0243	0.99	5.37	312.4	0.79	Clear
12:25 PM	12.79	100	0.5	2	20.24	83.1179	1.05	5.38	316.4	0	Clear
12:30 PM	12.79	100	0.5	2.5	20.24	84.393	1.1	5.4	317.3	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-66	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-67	SAMPLE ID: W-67-2023-Q4	DATE: 10/23/2023 10:35:00 AM
TOTAL WELL DEPTH (feet) (A): 34.37	WATER TABLE DEPTH (feet) (B): 17.57	LENGTH OF WATER COLUMN (feet) (A-B): 16.80
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 22.00 - 32.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.74

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 10:07:00 AM	PURGING END TIME: 10/23/2023 10:32:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:12 AM	17.7	100	0.5	0.5	17.19	187.819	0.87	5.81	205.3	0	Clear
10:17 AM	17.7	100	0.5	1	17.27	189.626	0.66	5.82	206.6	0	Clear
10:22 AM	17.7	100	0.5	1.5	17.51	191.356	0.46	5.86	207.4	0	Clear
10:27 AM	17.7	100	0.5	2	17.66	190.391	0.35	5.87	211.7	0	Clear
10:32 AM	17.7	100	0.5	2.5	17.78	190.719	0.31	5.88	209.9	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-67	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-68	SAMPLE ID: W-68-2023-Q4	DATE: 10/17/2023 9:20:00 AM
TOTAL WELL DEPTH (feet) (A): 21.21	WATER TABLE DEPTH (feet) (B): 6.50	LENGTH OF WATER COLUMN (feet) (A-B): 14.71
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 13.00 - 18.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.40

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 8:50:00 AM	PURGING END TIME: 10/17/2023 9:15:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:55 AM	6.61	100	0.5	0.5	16.73	86.6746	5.12	4.76	272.5	9.75	Clear
9:00 AM	6.62	100	0.5	1	16.96	86.4722	5.05	5.46	236	0	Clear
9:05 AM	6.63	100	0.5	1.5	17.32	86.2462	5.03	5.41	246.8	0	Clear
9:10 AM	6.63	100	0.5	2	17.25	86.1717	5.04	5.42	254.7	0	Clear
9:15 AM	6.63	100	0.5	2.5	17.25	86.3424	4.97	5.42	260.1	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-68	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-69	SAMPLE ID: W-69-2023-Q4	DATE: 10/18/2023 12:35:00 PM
TOTAL WELL DEPTH (feet) (A): 21.00	WATER TABLE DEPTH (feet) (B): 8.52	LENGTH OF WATER COLUMN (feet) (A-B): 12.48
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 8.00 - 18.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.04

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 11:45:00 AM	PURGING END TIME: 10/18/2023 12:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:50 AM	9.28	100	0.5	0.5	23.28	61.0391	0.68	5.35	174.1	55.36	Clear
11:55 AM	9.64	100	0.5	1	22.83	61.2984	0.41	5.13	185.3	39.56	Clear
12:00 PM	9.75	100	0.5	1.5	22.89	61.696	0.31	5.06	187.6	27.58	Clear
12:05 PM	9.88	100	0.5	2	22.74	61.5492	0.47	5	193.2	38.37	Clear
12:10 PM	9.96	100	0.5	2.5	22.57	61.9186	0.25	4.95	198.1	32.26	Clear
12:15 PM	10.03	100	0.5	3	22.52	62.0371	0.25	4.82	205	15.42	Clear
12:20 PM	10.09	100	0.5	3.5	22.55	62.3231	0.22	4.76	214.6	13.2	Clear
12:25 PM	10.13	100	0.5	4	22.7	62.3481	0.18	4.71	220	11.21	Clear
12:30 PM	10.16	100	0.5	4.5	22.67	62.3814	0.23	4.65	220.7	14.14	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-69	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-70	SAMPLE ID: W-70-2023-Q4	DATE: 10/18/2023 10:55:00 AM
TOTAL WELL DEPTH (feet) (A): 51.80	WATER TABLE DEPTH (feet) (B): 12.34	LENGTH OF WATER COLUMN (feet) (A-B): 39.46
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 44.00 - 49.00 ft	CALCULATED SYSTEM VOLUME (gallons): 6.44

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 46.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 10:12:00 AM	PURGING END TIME: 10/18/2023 10:52:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:17 AM	12.35	100	0.5	0.5	20.21	53.0796	5.54	5.2	164.2	3.16	Clear
10:22 AM	12.36	100	0.5	1	20.43	52.1624	5.53	5.18	185.9	5.5	Clear
10:27 AM	12.36	100	0.5	1.5	20.35	52.1512	5.63	5.18	207	3.59	Clear
10:32 AM	12.36	100	0.5	2	20.54	52.0468	5.6	5.19	218.9	1.66	Clear
10:37 AM	12.36	100	0.5	2.5	20.72	51.8318	5.58	5.19	226.2	3.35	Clear
10:42 AM	12.36	100	0.5	3	20.94	51.5873	5.54	5.2	234.4	1.69	Clear
10:47 AM	12.36	100	0.5	3.5	21.27	51.651	5.68	5.2	237.5	2.42	Clear
10:52 AM	12.36	100	0.5	4	21.48	51.2815	5.68	5.17	240.1	4.8	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-70	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-70-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-71	SAMPLE ID: W-71-2023-Q4	DATE: 10/18/2023 8:55:00 AM
TOTAL WELL DEPTH (feet) (A): 104.01	WATER TABLE DEPTH (feet) (B): 23.72	LENGTH OF WATER COLUMN (feet) (A-B): 80.29
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 93.00 - 103.00 ft	CALCULATED SYSTEM VOLUME (gallons): 13.10

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 98	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 8:18:00 AM	PURGING END TIME: 10/18/2023 8:53:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:23 AM	23.72	100	0.5	0.5	15.37	54.2952	1.96	5.82	61.8	11.91	Clear
8:28 AM	23.72	100	0.5	1	16.67	45.7077	1.11	5.84	56.9	6.27	Clear
8:33 AM	23.72	100	0.5	1.5	16.75	43.8189	0.87	5.84	49	4.51	Clear
8:38 AM	23.72	100	0.5	2	16.92	42.955	0.75	5.83	45.5	3.85	Clear
8:43 AM	23.72	100	0.5	2.5	17.01	41.8988	0.61	5.83	39.7	0.35	Clear
8:48 AM	23.72	100	0.5	3	17.05	41.1945	0.5	5.84	34.9	0	Clear
8:53 AM	23.72	100	0.5	3.5	17.1	40.8353	0.48	5.83	32.6	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-71	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-72	SAMPLE ID: W-72-2023-Q4	DATE: 10/9/2023 1:51:00 PM
TOTAL WELL DEPTH (feet) (A): 14.64	WATER TABLE DEPTH (feet) (B): 8.43	LENGTH OF WATER COLUMN (feet) (A-B): 6.21
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.01

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 1:28:00 PM	PURGING END TIME: 10/9/2023 1:50:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:30 PM	8.47	160	0	0	25.18	209.417	6.92	6.17	121.5	31.41	Clear
1:35 PM	8.47	160	0.8	0.8	24.97	192.424	3.32	6.2	154.5	30.59	Clear
1:40 PM	8.47	160	0.8	1.6	25.1	186.22	3.05	6.19	156.6	29.55	Clear
1:45 PM	8.47	160	0.8	2.4	25.16	181.01	2.92	6.19	158.9	28.88	Clear
1:50 PM	8.47	160	0.8	3.2	25.16	181.552	2.77	6.18	160.6	28.01	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-72	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-73	SAMPLE ID: W-73-2023-Q4	DATE: 10/9/2023 2:15:00 PM
TOTAL WELL DEPTH (feet) (A): 15.61	WATER TABLE DEPTH (feet) (B): 8.83	LENGTH OF WATER COLUMN (feet) (A-B): 6.78
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 6.00 - 16.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.11

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 1:30:00 PM	PURGING END TIME: 10/9/2023 2:10:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:35 PM	8.85	100	0.5	0.5	26.73	152.34	0.37	5.9	139.2	2.23	Clear
1:40 PM	8.86	100	0.5	1	26.23	154.168	0.37	5.84	149.7	2.85	Clear
1:45 PM	8.86	100	0.5	1.5	25.85	153.908	0.25	5.83	155.2	1.62	Clear
1:50 PM	8.86	100	0.5	2	25.86	149.433	0.37	5.74	163.9	3.35	Clear
1:55 PM	8.86	100	0.5	2.5	25.96	144.854	0.51	5.59	180.2	4.25	Clear
2:00 PM	8.86	100	0.5	3	25.6	142.135	0.67	5.57	186.3	1.85	Clear
2:05 PM	8.86	100	0.5	3.5	25.47	139.378	0.81	5.63	188.4	2.42	Clear
2:10 PM	8.86	100	0.5	4	25.57	137.216	0.8	5.64	193.1	0.8	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-73	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-74	SAMPLE ID: W-74-2023-Q4	DATE: 10/12/2023 2:40:00 PM
TOTAL WELL DEPTH (feet) (A): 34.01	WATER TABLE DEPTH (feet) (B): 12.66	LENGTH OF WATER COLUMN (feet) (A-B): 21.35
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.50 - 30.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.48

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.51	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/12/2023 2:16:00 PM	PURGING END TIME: 10/12/2023 2:38:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:18 PM	12.88	140	0	0	20.68	0.05988 43	9.24	5.71	205.3	1.12	Clear
2:23 PM	12.92	120	0.6	0.6	22.05	134.869	2.12	5.64	241.7	3.2	Clear
2:28 PM	12.94	120	0.6	1.2	21.99	134.432	1.87	5.54	250.9	2.73	Clear
2:33 PM	12.94	120	0.6	1.8	21.97	134.509	1.8	5.53	253.8	1.5	Clear
2:38 PM	12.94	120	0.6	2.4	22.04	134.351	1.77	5.51	255.1	1.61	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-74	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-75	SAMPLE ID: W-75-2023-Q4	DATE: 10/13/2023 10:08:00 AM
TOTAL WELL DEPTH (feet) (A): 18.63	WATER TABLE DEPTH (feet) (B): 12.32	LENGTH OF WATER COLUMN (feet) (A-B): 6.31
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.03

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 9:20:00 AM	PURGING END TIME: 10/13/2023 10:07:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:22 AM	12.34		0	0	21.82	138.76	2.36	6.02	119.8	11.85	Clear
9:27 AM	12.35	200	1	1	24.02	134.734	1.08	6.02	93	5.52	Clear
9:32 AM	12.34	140	0.7	1.7	23.74	133.04	0.34	6.04	57.8	4.29	Clear
9:37 AM	12.34	140	0.7	2.4	23.9	134.681	0.2	6.06	8.8	1.98	Clear
9:42 AM	12.34	140	0.7	3.1	24	135.046	0.2	6.06	-12.5	5.28	Clear
9:47 AM	12.34	140	0.7	3.8	24.11	135.033	0.17	6.07	-46.2	1.48	Clear
9:52 AM	12.34	140	0.7	4.5	24.15	135.694	0.19	6.08	-58.8	1.16	Clear
9:57 AM	12.34	140	0.7	5.2	24.19	136.245	0.16	6.12	-72.6	2.77	Clear
10:02 AM	12.34	140	0.7	5.9	24.1	136.587	0.17	6.12	-76.9	1.35	Clear
10:07 AM	12.34	140	0.7	6.6	24.27	137.296	0.18	6.1	-82.2	1.02	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-75	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-76	SAMPLE ID: W-76-2023-Q4	DATE: 10/10/2023 1:25:00 PM
TOTAL WELL DEPTH (feet) (A): 14.87	WATER TABLE DEPTH (feet) (B): 10.01	LENGTH OF WATER COLUMN (feet) (A-B): 4.86
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.00 - 15.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.79

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 12:50:00 PM	PURGING END TIME: 10/10/2023 1:20:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:55 PM	10.07	100	0.5	0.5	27.73	154.992	3.84	4.86	285.8	3.3	Clear
1:00 PM	10.08	100	0.5	1	27.64	155.011	3.76	4.79	298.5	3.56	Clear
1:05 PM	10.08	100	0.5	1.5	27.38	154.846	3.73	4.69	307.1	2.28	Clear
1:10 PM	10.09	100	0.5	2	27.29	154.907	3.71	4.56	319.5	1.41	Clear
1:15 PM	10.09	100	0.5	2.5	27.35	155.118	3.7	4.52	321.6	0.91	Clear
1:20 PM	10.09	100	0.5	3	27.33	155.047	3.69	4.51	325	0.41	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-76	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-77	SAMPLE ID: W-77-2023-Q4	DATE: 10/9/2023 12:40:00 PM
TOTAL WELL DEPTH (feet) (A): 15.21	WATER TABLE DEPTH (feet) (B): 9.08	LENGTH OF WATER COLUMN (feet) (A-B): 6.13
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.00

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 12:06:00 PM	PURGING END TIME: 10/9/2023 12:36:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:11 PM	9.14	100	0.5	0.5	26.57	6005.3	0.38	11.77	-88.7	3.54	Clear
12:16 PM	9.15	100	0.5	1	26.88	5440.46	0.32	11.71	-113.4	1.7	Clear
12:21 PM	9.15	100	0.5	1.5	27.06	5287.44	0.39	11.69	-123.1	1.14	Clear
12:26 PM	9.15	100	0.5	2	27.12	5396.24	0.35	11.7	-130.5	0.72	Clear
12:31 PM	9.15	100	0.5	2.5	27.09	5528.94	0.31	11.71	-135.3	0.52	Clear
12:36 PM	9.15	100	0.5	3	27.11	5649.25	0.24	11.73	-137.3	0.38	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-77	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-78	SAMPLE ID: W-78-2023-Q4	DATE: 10/9/2023 12:31:00 PM
TOTAL WELL DEPTH (feet) (A): 15.23	WATER TABLE DEPTH (feet) (B): 9.36	LENGTH OF WATER COLUMN (feet) (A-B): 5.87
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.96

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.73	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 12:09:00 PM	PURGING END TIME: 10/9/2023 12:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:10 PM	9.41	60	0	0	25.85	242.461	7.65	5.77	130.7	26.81	C
12:15 PM	9.41	160	0.8	0.8	25.37	261.506	1.78	6.2	157	10.25	Clear
12:20 PM	9.41	160	0.8	1.6	25.39	263.152	1.68	6.19	161.7	5.95	Clear
12:25 PM	9.41	160	0.8	2.4	25.38	263.894	1.66	6.18	164	5.28	Clear
12:30 PM	9.41	160	0.8	3.2	25.27	264.311	1.69	6.18	164.4	3.93	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-78	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-79	SAMPLE ID: W-79-2023-Q4	DATE: 10/6/2023 11:40:00 AM
TOTAL WELL DEPTH (feet) (A): 15.35	WATER TABLE DEPTH (feet) (B): 8.21	LENGTH OF WATER COLUMN (feet) (A-B): 7.14
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.17

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/6/2023 11:07:00 AM	PURGING END TIME: 10/6/2023 11:37:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:12 AM	8.32	120	0.6	0.6	26.85	181.635	6.66	6.45	146.2	0	Clear
11:17 AM	8.32	120	0.6	1.2	26.92	182.209	6.49	6.43	152.3	0.16	Clear
11:22 AM	8.33	120	0.6	1.8	26.9	182.634	6.24	6.42	156.3	0.05	Clear
11:27 AM	8.35	120	0.6	2.4	26.88	184.438	5.64	6.36	161.7	0	Clear
11:32 AM	8.35	120	0.6	3	26.91	186.027	5.1	6.3	165.6	0	Clear
11:37 AM	8.35	120	0.6	3.6	26.9	187.091	4.76	6.27	168.4	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-79	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-79-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

Low Flow Groundwater Sample Collection Record

WELL NO: W-80	SAMPLE ID: W-80-2023-Q4	DATE: 10/6/2023 10:00:00 AM
TOTAL WELL DEPTH (feet) (A): 15.38	WATER TABLE DEPTH (feet) (B): 9.79	LENGTH OF WATER COLUMN (feet) (A-B): 5.59
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.91

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/6/2023 9:20:00 AM	PURGING END TIME: 10/6/2023 9:55:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:25 AM	10.25	120	0.6	0.6	25.77	335.815	3.87	5.58	144	43.82	Clear
9:30 AM	10.42	120	0.6	1.2	26.08	334.184	3.75	5.56	151.5	5.35	Clear
9:35 AM	10.39	120	0.6	1.8	26.2	333.939	3.73	5.53	161.6	3.62	Clear
9:40 AM	10.73	120	0.6	2.4	26.19	330.52	3.42	5.43	173.9	1.2	Clear
9:45 AM	10.85	120	0.6	3	26.18	329.782	3.17	5.36	182.7	1.66	Clear
9:50 AM	10.96	120	0.6	3.6	26.44	330.885	3.06	5.33	188.8	3.12	Clear
9:55 AM	11.11	120	0.6	4.2	26.25	332.023	3.01	5.34	191.9	3.19	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-80	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-81	SAMPLE ID: W-81-2023-Q4	DATE: 10/9/2023 11:15:00 AM
TOTAL WELL DEPTH (feet) (A): 15.28	WATER TABLE DEPTH (feet) (B): 11.44	LENGTH OF WATER COLUMN (feet) (A-B): 3.84
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.63

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 10:30:00 AM	PURGING END TIME: 10/9/2023 11:10:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:35 AM	12.2	100	0.5	0.5	22.44	169.977	0.37	5.62	144.9	5.84	Clear
10:40 AM	12.31	100	0.5	1	22.46	192.517	0.26	5.67	139	4.61	Clear
10:45 AM	12.42	100	0.5	1.5	22.36	217.37	0.33	5.74	133.5	6.72	Clear
10:50 AM	12.5	100	0.5	2	22.58	237.903	0.47	5.77	132.5	4.74	Clear
10:55 AM	12.53	100	0.5	2.5	22.47	247.194	0.59	5.79	133.2	2.71	Clear
11:00 AM	12.54	100	0.5	3	22.78	257.978	0.73	5.82	132.3	2.89	Clear
11:05 AM	12.54	100	0.5	3.5	22.75	261.635	0.81	5.84	131.3	1.09	Clear
11:10 AM	12.54	100	0.5	4	22.73	266.936	0.91	5.85	130.5	0.17	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-81	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-82	SAMPLE ID: W-82-2023-Q4	DATE: 10/9/2023 11:31:00 AM
TOTAL WELL DEPTH (feet) (A): 15.38	WATER TABLE DEPTH (feet) (B): 11.96	LENGTH OF WATER COLUMN (feet) (A-B): 3.42
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 5.50 - 15.50 ft	CALCULATED SYSTEM VOLUME (gallons): 0.56

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.88	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 10:31:00 AM	PURGING END TIME: 10/9/2023 11:29:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:34 AM	12.1	120	0	0	24.36	184.097	5.93	5.46	121.8	26.94	Clear
10:39 AM	12.09	80	0.4	0.4	24.22	184.84	1.19	5.36	177.1	28.77	Clear
10:44 AM	12.19	80	0.4	0.8	23.39	172.364	1.29	5.33	189.1	26.79	Clear
10:49 AM	12.41	80	0.4	1.2	23.85	121.716	1.65	5.15	215.1	19.46	Clear
10:54 AM	12.65	80	0.4	1.6	23.96	123.313	1.57	5.17	220.7	55.97	Clear
10:59 AM	12.77	80	0.4	2	24.17	134.622	1.03	5.23	221.9	148.38	Clear
11:04 AM	12.9	60	0.3	2.3	24.33	143.429	0.96	5.25	219.3	154.31	Clear
11:09 AM	12.98	60	0.3	2.6	24.3	150.327	0.78	5.29	212.5	124.01	Clear
11:14 AM	13.03	60	0.3	2.9	24.3	153.948	0.79	5.29	215.3	151.63	Clear
11:19 AM	13.08	60	0.3	3.2	24.61	159.824	0.65	5.32	210.8	159.59	Clear
11:24 AM	13.12	60	0.3	3.5	24.45	166.056	0.58	5.33	206.5	162.72	Clear
11:29 AM	13.17	60	0.3	3.8	24.14	169.415	0.56	5.33	205.1	154.55	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-82	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-83	SAMPLE ID: W-83-2023-Q4	DATE: 10/9/2023 9:40:00 AM
TOTAL WELL DEPTH (feet) (A): 26.02	WATER TABLE DEPTH (feet) (B): 13.26	LENGTH OF WATER COLUMN (feet) (A-B): 12.76
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 16.50 - 26.50 ft	CALCULATED SYSTEM VOLUME (gallons): 2.08

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 8:47:00 AM	PURGING END TIME: 10/9/2023 9:37:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:47 AM	13.75	100	0.5	0.5	20.13	174.668	0.74	5.56	170.4	31.58	Clear
8:52 AM	13.96	100	0.5	1	21.11	173.771	0.34	5.53	175.7	17.49	Clear
8:57 AM	14.07	100	0.5	1.5	21.01	171.959	0.36	5.52	181.2	19.23	Clear
9:02 AM	14.18	100	0.5	2	21.22	169.45	0.35	5.54	211.8	16.6	Clear
9:07 AM	14.28	100	0.5	2.5	21.44	166.248	0.36	5.57	247.2	23.95	Clear
9:12 AM	14.42	100	0.5	3	21.53	158.904	0.51	5.62	241.2	24.11	Clear
9:17 AM	14.49	100	0.5	3.5	21.44	154.479	0.62	5.64	224	22.65	Clear
9:22 AM	14.44	100	0.5	4	21.3	148.951	0.75	5.66	226.3	24.12	Clear
9:27 AM	14.42	100	0.5	4.5	21.4	143.046	0.9	5.66	219.9	21.37	Clear
9:32 AM	14.42	100	0.5	5	21.65	137.398	1.05	5.66	214.6	18.88	Clear
9:37 AM	14.42	100	0.5	5.5	21.83	134.867	1.1	5.65	211.5	20.43	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-83	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-84	SAMPLE ID: W-84-2023-Q4	DATE: 10/9/2023 9:41:00 AM
TOTAL WELL DEPTH (feet) (A): 20.39	WATER TABLE DEPTH (feet) (B): 6.17	LENGTH OF WATER COLUMN (feet) (A-B): 14.22
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 11.00 - 21.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.32

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.89	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/9/2023 8:52:00 AM	PURGING END TIME: 10/9/2023 9:40:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:55 AM	6.45	160	0	0	17.28	205.321	2.99	6.25	84.6	3.69	Clear
9:00 AM	6.81	160	0.8	0.8	20.51	214.468	0.58	6.16	43.3	1.85	Clear
9:05 AM	7.04	140	0.7	1.5	22.8	213.477	0.33	6.13	42.2	3.16	Clear
9:10 AM	7.45	140	0.7	2.2	23.1	215.961	0.27	6.11	41.4	6.62	Clear
9:15 AM	7.57	140	0.7	2.9	23.47	201.946	0.22	6.03	46.8	10.08	Clear
9:20 AM	7.62	140	0.7	3.6	23.87	171.837	0.18	5.81	73.8	7.1	Clear
9:25 AM	7.79	140	0.7	4.3	24.17	159.001	0.17	5.71	90.8	5.41	Clear
9:30 AM	7.86	120	0.6	4.9	24.28	153.585	0.17	5.67	97.4	2.69	Clear
9:35 AM	7.93	120	0.6	5.5	24.44	151.381	0.18	5.65	102.5	2.33	Clear
9:40 AM	8.02	120	0.6	6.1	24.57	148.828	0.2	5.63	106.8	2.08	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-84	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-85	SAMPLE ID: W-85-2023-Q4	DATE: 10/18/2023 2:10:00 PM
TOTAL WELL DEPTH (feet) (A): 47.70	WATER TABLE DEPTH (feet) (B): 20.27	LENGTH OF WATER COLUMN (feet) (A-B): 27.43
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 40.00 - 45.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.48

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 1:12:00 PM	PURGING END TIME: 10/18/2023 2:07:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:17 PM	20.71	100	0.5	0.5	21.93	694.893	1.81	11.07	-51.7	13.12	Clear
1:22 PM	20.72	100	0.5	1	21.96	699.921	1.6	11.08	-66.1	18.49	Clear
1:27 PM	20.72	100	0.5	1.5	21.96	650.368	1.42	11.1	-79.2	10.86	Clear
1:32 PM	20.74	100	0.5	2	21.75	584.482	1.23	11.09	-80.8	14.59	Clear
1:37 PM	20.75	100	0.5	2.5	21.68	485.441	0.99	11.01	-99.7	7.17	Clear
1:42 PM	20.77	100	0.5	3	21.64	419.616	0.87	10.94	-102.2	5.99	Clear
1:47 PM	20.78	100	0.5	3.5	21.43	345.602	0.72	10.81	-111.7	7.07	Clear
1:52 PM	20.8	100	0.5	4	21.67	304.036	0.59	10.66	-113.5	7.16	Clear
1:57 PM	20.8	100	0.5	4.5	21.71	271.594	0.47	10.51	-107.7	8.37	Clear
2:02 PM	20.8	100	0.5	5	21.58	247.988	0.39	10.31	-108.9	9.57	Clear
2:07 PM	20.8	100	0.5	5.5	21.67	236.686	0.3	10.06	-108.5	9.02	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-85	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-86	SAMPLE ID: W-86-2023-Q4	DATE: 10/18/2023 3:10:00 PM
TOTAL WELL DEPTH (feet) (A): 38.22	WATER TABLE DEPTH (feet) (B): 19.10	LENGTH OF WATER COLUMN (feet) (A-B): 19.12
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.00 - 35.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.12

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/18/2023 2:40:00 PM	PURGING END TIME: 10/18/2023 3:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:45 PM	19.62	100	0.5	0.5	22.18	266.87	0.77	5.84	48.1	10.9	Clear
2:50 PM	19.68	100	0.5	1	22.41	268.686	0.63	5.83	50	5.9	Clear
2:55 PM	19.76	100	0.5	1.5	22.09	268.429	0.45	5.78	60.7	9.18	Clear
3:00 PM	19.78	100	0.5	2	22.13	267.928	0.42	5.75	65.4	6.88	Clear
3:05 PM	19.8	100	0.5	2.5	22.25	268.21	0.38	5.74	66.1	10.35	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-86	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-87	SAMPLE ID: W-87-2023-Q4	DATE: 10/17/2023 2:02:00 PM
TOTAL WELL DEPTH (feet) (A): 33.15	WATER TABLE DEPTH (feet) (B): 8.14	LENGTH OF WATER COLUMN (feet) (A-B): 25.01
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 28.00 - 33.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.08

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/17/2023 1:33:00 PM	PURGING END TIME: 10/17/2023 2:00:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:35 PM	8.48	0	0	0	28.85	0.0511781	6.07	6.44	147.8	19.62	Clear
1:40 PM	8.54	140	0.7	0.7	23.96	95.1357	0.88	6.53	128.6	60.77	Clear
1:45 PM	8.54	140	0.7	1.4	23.9	93.794	0.63	6.51	133	49.8	Clear
1:50 PM	8.54	140	0.7	2.1	23.89	93.9365	0.23	6.51	136.8	55.05	Clear
1:55 PM	8.54	120	0.6	2.7	23.66	94.5675	0.2	6.51	138.1	60.14	Clear
2:00 PM	8.54	120	0.6	3.3	24.24	94.5185	0.2	6.51	136.6	65.9	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-87	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: HDPE	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-88	SAMPLE ID: W-88-2023-Q4	DATE: 10/16/2023 12:35:00 PM
TOTAL WELL DEPTH (feet) (A): 44.32	WATER TABLE DEPTH (feet) (B): 22.94	LENGTH OF WATER COLUMN (feet) (A-B): 21.38
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 36.50 - 41.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.49

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 12:05:00 PM	PURGING END TIME: 10/16/2023 12:30:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:10 PM	23.1	100	0.5	0.5	18.82	68.2737	6.29	5.52	253.6	0	Clear
12:15 PM	23.12	100	0.5	1	19.14	68.2845	6.01	5.52	258	0	Clear
12:20 PM	23.14	100	0.5	1.5	19.39	68.296	6.15	5.52	261	0	Clear
12:25 PM	23.14	100	0.5	2	19.35	68.2909	6.17	5.52	263.1	0	Clear
12:30 PM	23.14	100	0.5	2.5	19.38	68.2354	6.3	5.52	264.6	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-88	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-89	SAMPLE ID: W-89-2023-Q4	DATE: 10/16/2023 1:30:00 PM
TOTAL WELL DEPTH (feet) (A): 28.16	WATER TABLE DEPTH (feet) (B): 21.66	LENGTH OF WATER COLUMN (feet) (A-B): 6.50
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.50 - 25.50 ft	CALCULATED SYSTEM VOLUME (gallons): 1.06

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/16/2023 1:00:00 PM	PURGING END TIME: 10/16/2023 1:25:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:05 PM	21.67	100	0.5	0.5	18.62	62.4324	5.97	5.42	270.2	1.6	Clear
1:10 PM	21.67	100	0.5	1	18.58	62.2177	5.91	5.41	275	0	Clear
1:15 PM	21.67	100	0.5	1.5	18.79	62.9714	5.8	5.41	277.2	0	Clear
1:20 PM	21.67	100	0.5	2	19.17	63.2272	5.79	5.39	279.5	0	Clear
1:25 PM	21.67	100	0.5	2.5	19.12	63.4793	5.83	5.38	280.7	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-89	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-90	SAMPLE ID: W-90-2023-Q4	DATE: 10/13/2023 11:05:00 AM
TOTAL WELL DEPTH (feet) (A): 43.00	WATER TABLE DEPTH (feet) (B): 26.98	LENGTH OF WATER COLUMN (feet) (A-B): 16.02
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 35.00 - 40.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.61

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 10:38:00 AM	PURGING END TIME: 10/13/2023 11:03:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:43 AM	27.09	100	0.5	0.5	19.22	69.5594	4.61	5.37	303.2	30.42	Clear
10:48 AM	27.09	100	0.5	1	19.2	68.9411	4.55	5.37	307.4	5.53	Clear
10:53 AM	27.09	100	0.5	1.5	19.13	68.7046	4.47	5.37	310.3	0	Clear
10:58 AM	27.09	100	0.5	2	19.13	69.181	4.57	5.37	312.8	0	Clear
11:03 AM	27.09	100	0.5	2.5	19.13	69.177	4.54	5.37	313.7	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-90	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-91	SAMPLE ID: W-91-2023-Q4	DATE: 10/13/2023 1:05:00 PM
TOTAL WELL DEPTH (feet) (A): 28.24	WATER TABLE DEPTH (feet) (B): 26.83	LENGTH OF WATER COLUMN (feet) (A-B): 1.41
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 15.00 - 25.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.23

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/13/2023 12:32:00 PM	PURGING END TIME: 10/13/2023 1:02:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:37 PM	27.04	100	0.5	0.5	20.36	72.4719	4.53	5.27	297.6	2460.27	Brown
12:42 PM	27.07	100	0.5	1	20.33	72.7276	4.97	5.24	304.9	369.66	Light brown
12:47 PM	27.09	100	0.5	1.5	20.41	72.5108	4.9	5.23	307.9	43.32	Clear
12:52 PM	27.1	100	0.5	2	20.4	72.1924	4.95	5.21	312.8	10.12	Clear
12:57 PM	27.11	100	0.5	2.5	20.36	72.0602	4.99	5.19	316.6	5.95	Clear
1:02 PM	27.11	100	0.5	3	20.42	71.9621	4.86	5.19	318.4	4.62	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-91	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-91-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-92	SAMPLE ID: W-92-2023-Q4	DATE: 10/20/2023 10:55:00 AM
TOTAL WELL DEPTH (feet) (A): 36.85	WATER TABLE DEPTH (feet) (B): 15.72	LENGTH OF WATER COLUMN (feet) (A-B): 21.13
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.45

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34.45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/20/2023 10:26:00 AM	PURGING END TIME: 10/20/2023 10:54:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:29 AM	15.75	120	0	0	19.87	257.818	6.17	6.35	-32.9	0.7	Clear
10:34 AM	15.75	120	0.6	0.6	19.13	254.581	2.07	6.28	-27.3	2.34	Clear
10:39 AM	15.75	120	0.6	1.2	19.08	260.595	0.57	6.29	-31.6	4.57	Clear
10:44 AM	15.75	120	0.6	1.8	19.01	264.956	0.37	6.31	-34.6	8.7	Clear
10:49 AM	15.75	120	0.6	2.4	18.97	265.264	0.25	6.3	-35.8	14.39	Clear
10:54 AM	15.75	120	0.6	3	18.94	263.25	0.22	6.3	-35.5	22.27	None

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-92	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-93	SAMPLE ID: W-93-2023-Q4	DATE: 10/6/2023 12:37:00 PM
TOTAL WELL DEPTH (feet) (A): 35.35	WATER TABLE DEPTH (feet) (B): 9.44	LENGTH OF WATER COLUMN (feet) (A-B): 25.91
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 30.50 - 35.50 ft	CALCULATED SYSTEM VOLUME (gallons): 4.23

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32.85	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/6/2023 11:38:00 AM	PURGING END TIME: 10/6/2023 12:35:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:40 AM	9.62			0	25.48	124.028	7.62	8.34	4.7	12.65	Clear
11:45 AM	9.62	140	0.7	0.7	23.85	148.964	1.43	5.67	115.1	12.3	Clear
11:50 AM	9.65	140	0.7	1.4	23.7	145.301	1.35	5.6	138.1	3.02	Clear
11:55 AM	9.65	140	0.7	2.1	23.53	144.849	1.28	5.57	145.3	3.05	Clear
12:00 PM	9.65	140	0.7	2.8	23.5	144.053	1.22	5.56	154.7	3.39	Clear
12:05 PM	9.65	140	0.7	3.5	23.53	143.565	1.17	5.6	158.8	5.18	Clear
12:10 PM	9.65	140	0.7	4.2	23.54	143.076	1.17	5.6	164.8	5.11	Clear
12:15 PM	9.65	140	0.7	4.9	23.51	142.713	1.17	5.6	170.9	5.87	Clear
12:20 PM	9.65	140	0.7	5.6	23.46	142.86	1.16	5.6	176.5	2.06	Clear
12:25 PM	9.65	140	0.7	6.3	23.39	141.982	1.17	5.6	181.5	2.15	Clear
12:30 PM	9.65	140	0.7	7	23.38	141.804	1.17	5.59	186.5	2.61	Clear
12:35 PM	9.65	140	0.7	7.7	23.33	141.465	1.17	5.6	190.5	2.71	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-93	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-94	SAMPLE ID: W-94-2023-Q4	DATE: 10/25/2023 9:55:00 AM
TOTAL WELL DEPTH (feet) (A): 31.94	WATER TABLE DEPTH (feet) (B): 10.07	LENGTH OF WATER COLUMN (feet) (A-B): 21.87
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 24.50 - 29.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.57

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/25/2023 9:25:00 AM	PURGING END TIME: 10/25/2023 9:50:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:30 AM	10.13	120	0.6	0.6	16.47	166.357	0.56	6.13	-10.4	0	Clear
9:35 AM	10.11	120	0.6	1.2	16.56	166.273	0.33	6.13	-14.5	0	Clear
9:40 AM	10.11	120	0.6	1.8	16.65	166.633	0.26	6.14	-16.6	0	Clear
9:45 AM	10.11	120	0.6	2.4	16.75	167.676	0.21	6.14	-19.1	0	Clear
9:50 AM	10.11	120	0.6	3	16.85	167.855	0.18	6.15	-20.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-94	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-95	SAMPLE ID: W-95-2023-Q4	DATE: 10/25/2023 12:10:00 PM
TOTAL WELL DEPTH (feet) (A): 36.20	WATER TABLE DEPTH (feet) (B): 8.69	LENGTH OF WATER COLUMN (feet) (A-B): 27.51
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 28.50 - 33.50 ft	CALCULATED SYSTEM VOLUME (gallons): 4.49

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/25/2023 11:40:00 AM	PURGING END TIME: 10/25/2023 12:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:45 AM	8.7	120	0.6	0.6	18.61	223.574	0.61	6.33	-59.7	14.1	Clear
11:50 AM	8.7	120	0.6	1.2	18.56	224.813	0.4	6.35	-62.8	8.67	Clear
11:55 AM	8.7	120	0.6	1.8	18.72	225.181	0.29	6.35	-61.7	6.26	Clear
12:00 PM	8.7	120	0.6	2.4	18.62	226.19	0.2	6.36	-62.2	9.95	Clear
12:05 PM	8.7	120	0.6	3	18.68	226.698	0.19	6.36	-55	5.6	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-95	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-96	SAMPLE ID: W-96-2023-Q4	DATE: 10/23/2023 11:55:00 AM
TOTAL WELL DEPTH (feet) (A): 32.80	WATER TABLE DEPTH (feet) (B): 9.21	LENGTH OF WATER COLUMN (feet) (A-B): 23.59
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.00 - 30.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.85

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 10:57:00 AM	PURGING END TIME: 10/23/2023 11:54:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:59 AM	9.21	100	0.5	0.5	25.83	0.0540912	5.54	6.11	13.6	8.54	Clear
11:04 AM	9.21	100	0.5	1	20.45	249.877	0.81	6.18	-39.7	5.41	Clear
11:09 AM	9.21	100	0.5	1.5	20.77	249.554	0.53	6.21	-43.4	26.51	Clear
11:14 AM	9.21	100	0.5	2	20.54	253.161	0.27	6.21	-43.1	17.44	Clear
11:19 AM	9.21	100	0.5	2.5	20.73	252.594	0.68	6.22	-45.7	18.42	Clear
11:24 AM	9.21	100	0.5	3	21.04	252.304	0.65	6.22	-44.4	31.6	Clear
11:29 AM	9.21	100	0.5	3.5	21.02	252.054	0.29	6.22	-45.6	19.59	Clear
11:34 AM	9.21	100	0.5	4	21.09	251.755	0.29	6.23	-44.4	27.82	Clear
11:39 AM	9.21	100	0.5	4.5	20.7	252.476	0.56	6.23	-45.6	66.41	Clear
11:44 AM	9.21	100	0.5	5	20.64	251.272	0.33	6.23	-45.3	69	Clear
11:49 AM	9.21	100	0.5	5.5	20.36	245.157	0.17	6.22	-44.8	50.29	Clear
11:54 AM	9.21	100	0.5	6	20.22	243.871	0.15	6.23	-44.6	65.4	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-96	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-97	SAMPLE ID: W-97-2023-Q4	DATE: 10/23/2023 1:38:00 PM
TOTAL WELL DEPTH (feet) (A): 21.93	WATER TABLE DEPTH (feet) (B): 5.62	LENGTH OF WATER COLUMN (feet) (A-B): 16.31
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 14.00 - 19.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.66

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 1:17:00 PM	PURGING END TIME: 10/23/2023 1:38:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:18 PM	5.64	160	0.8	0.8	20.34	276.75	6.83	6.35	32.2	12.16	Clear
1:23 PM	5.64	160	0.8	1.6	18.91	271.005	0.49	5.97	94.9	4.04	Clear
1:28 PM	5.64	160	0.8	2.4	18.95	258.087	0.31	5.98	100.3	2.43	Clear
1:33 PM	5.64	160	0.8	3.2	18.88	256.547	0.21	5.95	103.9	2.16	Clear
1:38 PM	5.64	160	0.8	4	18.85	250.262	0.18	5.95	107.3	2.94	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-97	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-98	SAMPLE ID: W-98-2023-Q4	DATE: 10/19/2023 9:00:00 AM
TOTAL WELL DEPTH (feet) (A): 29.89	WATER TABLE DEPTH (feet) (B): 24.21	LENGTH OF WATER COLUMN (feet) (A-B): 5.68
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 17.00 - 27.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.93

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 8:30:00 AM	PURGING END TIME: 10/19/2023 8:55:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:35 AM	24.29	100	0.5	0.5	14.69	163.755	1.53	5.23	249.9	16.49	Clear
8:40 AM	24.3	100	0.5	1	15.78	155.689	1.12	5.32	248.6	2.29	Clear
8:45 AM	24.29	100	0.5	1.5	15.81	154.095	0.91	5.29	250	1.1	Clear
8:50 AM	24.29	100	0.5	2	15.9	153.544	0.83	5.29	250.8	0.26	Clear
8:55 AM	24.29	100	0.5	2.5	16.28	153.76	0.81	5.29	251.3	1.23	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-98	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-99	SAMPLE ID: W-99-2023-Q4	DATE: 10/11/2023 2:43:00 PM
TOTAL WELL DEPTH (feet) (A): 23.91	WATER TABLE DEPTH (feet) (B): 12.18	LENGTH OF WATER COLUMN (feet) (A-B): 11.73
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 16.00 - 21.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.91

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 2:00:00 PM	PURGING END TIME: 10/11/2023 2:42:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:02 PM	12.57	0	0	0	22.8	580.49	5.12	6.82	20.8	6.74	Clear
2:07 PM	12.77	100	0.5	0.5	22.46	598.457	0.71	6.9	-106	1.25	Clear
2:12 PM	12.82	100	0.5	1	22.56	592.396	0.48	6.89	-120.5	1.19	Clear
2:17 PM	12.87	100	0.5	1.5	22.52	588.962	0.39	6.89	-132.5	1.29	Clear
2:22 PM	12.91	100	0.5	2	22.53	587.206	0.86	6.89	-144.3	0.87	Clear
2:27 PM	12.91	100	0.5	2.5	22.53	583.927	0.76	6.9	-149	0.79	Clear
2:32 PM	12.91	100	0.5	3	22.5	581.391	0.39	6.9	-152.3	3.34	Clear
2:37 PM	12.91	100	0.5	3.5	22.55	569.913	0.36	6.89	-152.6	3.27	Clear
2:42 PM	12.91	100	0.5	4	22.54	567.776	0.4	6.88	-152.1	1.18	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-99	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-100	SAMPLE ID: W-100-2023-Q4	DATE: 10/11/2023 2:40:00 PM
TOTAL WELL DEPTH (feet) (A): 15.08	WATER TABLE DEPTH (feet) (B): 10.51	LENGTH OF WATER COLUMN (feet) (A-B): 4.57
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 7.00 - 12.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.75

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 2:09:00 PM	PURGING END TIME: 10/11/2023 2:39:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
2:14 PM	10.55	100	0.5	0.5	23.46	420.855	0.8	6.35	96.5	2.97	Clear
2:19 PM	10.56	100	0.5	1	23.5	426.353	0.76	6.35	90	0	Clear
2:24 PM	10.56	100	0.5	1.5	23.48	437.937	0.63	6.36	81.2	0	Clear
2:29 PM	10.56	100	0.5	2	23.43	451.181	0.64	6.38	73.8	0	Clear
2:34 PM	10.56	100	0.5	2.5	23.41	449.186	0.67	6.37	70	0	Clear
2:39 PM	10.56	100	0.5	3	23.39	443.882	0.8	6.36	70.8	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-100	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-102	SAMPLE ID: W-102-2023-Q4	DATE: 10/10/2023 9:50:00 AM
TOTAL WELL DEPTH (feet) (A): 33.64	WATER TABLE DEPTH (feet) (B): 10.43	LENGTH OF WATER COLUMN (feet) (A-B): 23.21
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 28.50 - 33.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.79

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/10/2023 9:02:00 AM	PURGING END TIME: 10/10/2023 9:49:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:04 AM	10.61		0	0	20.94	1152.04	3.88	6.74	186	6.27	Clear
9:09 AM	10.63	120	0.6	0.6	20.97	1264.17	0.41	6.76	177.3	2.07	Clear
9:14 AM	10.63	120	0.6	1.2	21.75	1243.51	0.31	6.72	174.7	1.43	Clear
9:19 AM	10.63	120	0.6	1.8	22.22	1169.93	0.26	6.68	173.8	1.33	Clear
9:24 AM	10.63	120	0.6	2.4	22.38	1071.78	0.23	6.65	172.6	1.87	Clear
9:29 AM	10.63	120	0.6	3	22.44	1078.82	0.23	6.66	171.1	1.58	Clear
9:34 AM	10.63	120	0.6	3.6	22.43	986.658	0.21	6.62	171.5	1.5	Clear
9:39 AM	10.63	120	0.6	4.2	22.61	925.096	0.2	6.59	171.4	1.36	Clear
9:44 AM	10.63	120	0.6	4.8	22.64	905.998	0.19	6.6	170.8	1.85	Clear
9:49 AM	10.63	120	0.6	5.4	22.67	898.922	0.17	6.59	170.4	2.81	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-102	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-103	SAMPLE ID: W-103-2023-Q4	DATE: 10/23/2023 11:50:00 AM
TOTAL WELL DEPTH (feet) (A): 41.76	WATER TABLE DEPTH (feet) (B): 18.40	LENGTH OF WATER COLUMN (feet) (A-B): 23.36
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 34.50 - 39.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.81

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 11:20:00 AM	PURGING END TIME: 10/23/2023 11:45:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:25 AM	18.44	100	0.5	0.5	18.5	149.938	2.42	5.63	227.1	0	Clear
11:30 AM	18.43	100	0.5	1	18.64	153.143	2.15	5.63	233	0	Clear
11:35 AM	18.43	100	0.5	1.5	18.67	157.437	1.77	5.66	234.6	0	Clear
11:40 AM	18.43	100	0.5	2	18.75	155.573	1.74	5.66	238.7	0	Clear
11:45 AM	18.43	100	0.5	2.5	18.74	155.993	1.68	5.65	242.2	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-103	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-104	SAMPLE ID: W-104-2023-Q4	DATE: 10/24/2023 9:29:00 AM
TOTAL WELL DEPTH (feet) (A): 20.04	WATER TABLE DEPTH (feet) (B): 7.37	LENGTH OF WATER COLUMN (feet) (A-B): 12.67
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 7.50 - 17.50 ft	CALCULATED SYSTEM VOLUME (gallons): 2.07

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.04	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 9:01:00 AM	PURGING END TIME: 10/24/2023 9:28:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:03 AM	7.37	140	0.7	0.7	9.49	3.38585	13.28	6.79	-35.8	105.52	Clear
9:08 AM	7.4	140	0.7	1.4	17.2	238.286	0.71	5.68	117.4	30.62	Clear
9:13 AM	7.4	140	0.7	2.1	17.42	230.158	0.49	5.65	132.7	5.42	Clear
9:18 AM	7.4	140	0.7	2.8	17.7	220.455	0.36	5.64	135.1	2.62	Clear
9:23 AM	7.4	140	0.7	3.5	17.97	214.677	0.31	5.63	133.3	4.88	Clear
9:28 AM	7.4	140	0.7	4.2	18.08	211.757	0.27	5.63	138	2.99	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-104	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-105	SAMPLE ID: W-105-2023-Q4	DATE: 10/20/2023 10:30:00 AM
TOTAL WELL DEPTH (feet) (A): 26.87	WATER TABLE DEPTH (feet) (B): 10.21	LENGTH OF WATER COLUMN (feet) (A-B): 16.66
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 14.00 - 24.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.72

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/20/2023 10:00:00 AM	PURGING END TIME: 10/20/2023 10:25:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:05 AM	10.32	100	0.5	0.5	18.39	344.35	0.52	6.56	-93.6	18.1	Clear
10:10 AM	10.33	100	0.5	1	18.59	339.108	0.33	6.53	-93.5	4.67	Clear
10:15 AM	10.34	100	0.5	1.5	18.72	339.187	0.26	6.55	-98.5	4.95	Clear
10:20 AM	10.35	100	0.5	2	18.7	340.467	0.2	6.58	-102.4	0.07	Clear
10:25 AM	10.35	100	0.5	2.5	18.73	348.209	0.18	6.62	-108.1	3.82	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-105	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-106	SAMPLE ID: W-106-2023-Q4	DATE: 10/19/2023 1:26:00 PM
TOTAL WELL DEPTH (feet) (A): 32.70	WATER TABLE DEPTH (feet) (B): 11.02	LENGTH OF WATER COLUMN (feet) (A-B): 21.68
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 24.50 - 29.50 ft	CALCULATED SYSTEM VOLUME (gallons): 3.54

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/19/2023 12:27:00 PM	PURGING END TIME: 10/19/2023 1:24:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:29 PM	11.02	200	0	0	19.54	392.455	6.33	6.39	-74.5	16.06	Clear
12:34 PM	11.02	200	1	1	19	385.251	0.3	6.17	-46.2	12.66	Clear
12:39 PM	11.02	140	0.7	1.7	19.18	376.035	0.2	6.17	-47.8	28.02	Clear
12:44 PM	11.02	120	0.6	2.3	19.3	366.669	0.18	6.17	-47.2	26.2	Clear
12:49 PM	11.02	120	0.6	2.9	19.26	349.409	0.15	6.16	-46.4	32.29	Clear
12:54 PM	11.02	120	0.6	3.5	19.3	335.046	0.14	6.17	-46.5	32.59	Clear
12:59 PM	11.02	120	0.6	4.1	19.51	322.896	0.16	6.17	-47.2	79.79	Clear
1:04 PM	11.02	120	0.6	4.7	19.38	366.569	0.15	6.16	-47.5	90.33	Clear
1:09 PM	11.02	120	0.6	5.3	20.37	362.283	2.47	6.2	-54.5	6.76	Clear
1:14 PM	11.02	120	0.6	5.9	20.15	354.06	0.88	6.16	-42.6	15.15	Clear
1:19 PM	11.02	120	0.6	6.5	20.13	340.621	0.5	6.17	-46.1	44.93	Clear
1:24 PM	11.02	120	0.6	7.1	19.95	329.422	0.45	6.17	-47.9	133.67	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-106	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-107	SAMPLE ID: W-107-2023-Q4	DATE: 10/25/2023 1:25:00 PM
TOTAL WELL DEPTH (feet) (A): 37.20	WATER TABLE DEPTH (feet) (B): 7.79	LENGTH OF WATER COLUMN (feet) (A-B): 29.41
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.80

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/25/2023 12:55:00 PM	PURGING END TIME: 10/25/2023 1:20:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:00 PM	7.79	120	0.6	0.6	19.96	190.386	0.29	6.14	-27.9	3.4	Clear
1:05 PM	7.79	120	0.6	1.2	19.94	190.041	0.21	6.14	-30.6	4.7	Clear
1:10 PM	7.79	120	0.6	1.8	19.88	189.469	0.17	6.15	-32.7	1.7	Clear
1:15 PM	7.79	120	0.6	2.4	19.85	189.428	0.16	6.13	-32.9	4.41	Clear
1:20 PM	7.79	120	0.6	3	19.86	189.2	0.15	6.14	-34.3	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-107	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-108	SAMPLE ID: W-108-2023-Q4	DATE: 10/24/2023 9:15:00 AM
TOTAL WELL DEPTH (feet) (A): 35.86	WATER TABLE DEPTH (feet) (B): 8.07	LENGTH OF WATER COLUMN (feet) (A-B): 27.79
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 27.00 - 32.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.54

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 8:40:00 AM	PURGING END TIME: 10/24/2023 9:10:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:45 AM	8.07	120	0.6	0.6	14.1	186.526	0.72	6.21	-31.6	334.64	Brown
8:50 AM	8.07	120	0.6	1.2	15.11	186.031	0.37	6.27	-40.8	84.75	Light brown
8:55 AM	8.07	120	0.6	1.8	15.36	185.632	0.31	6.28	-45.4	35.2	Clear
9:00 AM	8.07	120	0.6	2.4	15.43	186.61	0.27	6.3	-49.4	3.88	Clear
9:05 AM	8.07	120	0.6	3	15.78	186.193	0.23	6.31	-51.4	0	Clear
9:10 AM	8.07	120	0.6	3.6	15.84	186.002	0.2	6.31	-52.4	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-108	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-108-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-109	SAMPLE ID: W-109-2023-Q4	DATE: 10/24/2023 10:40:00 AM
TOTAL WELL DEPTH (feet) (A): 34.96	WATER TABLE DEPTH (feet) (B): 8.25	LENGTH OF WATER COLUMN (feet) (A-B): 26.71
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 27.00 - 32.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.36

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 10:00:00 AM	PURGING END TIME: 10/24/2023 10:35:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:05 AM	8.25	120	0.6	0.6	16.51	95.387	0.71	6	14.2	251.12	Brown
10:10 AM	8.25	120	0.6	1.2	16.62	95.019	0.47	6	10.5	105.34	Light brown
10:15 AM	8.25	120	0.6	1.8	16.8	95.2647	0.34	6.01	6.2	62.15	Clear
10:20 AM	8.25	120	0.6	2.4	17.01	95.1608	0.3	6.02	3.7	22.9	Clear
10:25 AM	8.25	120	0.6	3	17.01	95.2536	0.27	6.02	1.5	9.44	Clear
10:30 AM	8.25	120	0.6	3.6	17.09	95.9823	0.24	6.03	-1.7	5.71	Clear
10:35 AM	8.25	120	0.6	4.2	17.13	96.1191	0.22	6.03	-3.3	2.12	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-109	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-110	SAMPLE ID: W-110-2023-Q4	DATE: 10/24/2023 1:58:00 PM
TOTAL WELL DEPTH (feet) (A): 36.91	WATER TABLE DEPTH (feet) (B): 8.78	LENGTH OF WATER COLUMN (feet) (A-B): 28.13
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.59

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34.41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 1:20:00 PM	PURGING END TIME: 10/24/2023 1:57:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:22 PM	8.78	160	0.8	0.8	20.28	0.0603847	8.42	6.58	22.2	160.41	Murky
1:27 PM	8.78	160	0.8	1.6	19.19	24.4393	0.66	5.4	108.3	183.92	Murky
1:32 PM	8.78	100	0.5	2.1	19.16	29.7659	0.34	5.36	110.4	105.86	Murky
1:37 PM	8.78	100	0.5	2.6	19.19	29.3856	0.24	5.36	109.3	71.09	Murky
1:42 PM	8.78	100	0.5	3.1	19.14	29.3709	0.22	5.37	108.2	48.88	Clearing
1:47 PM	8.78	100	0.5	3.6	19.09	29.6609	0.21	5.37	107.2	40.81	Clear
1:52 PM	8.78	100	0.5	4.1	19.11	30.1775	0.2	5.37	105.4	39.73	Clear
1:57 PM	8.78	100	0.5	4.6	19.13	30.2553	0.19	5.38	104	38.87	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-110	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-111	SAMPLE ID: W-111-2023-Q4	DATE: 10/25/2023 11:05:00 AM
TOTAL WELL DEPTH (feet) (A): 84.45	WATER TABLE DEPTH (feet) (B): 5.77	LENGTH OF WATER COLUMN (feet) (A-B): 78.68
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 76.00 - 81.00 ft	CALCULATED SYSTEM VOLUME (gallons): 12.84

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 78.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/25/2023 10:23:00 AM	PURGING END TIME: 10/25/2023 11:03:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:28 AM	5.79	120	0.6	0.6	17.31	24.7448	0.6	5.05	157.9	106.97	Light brown
10:33 AM	5.79	120	0.6	1.2	17.44	24.314	0.38	5.02	185.9	36.31	Clear
10:38 AM	5.79	120	0.6	1.8	17.59	24.3817	0.3	5.04	191	30.96	Clear
10:43 AM	5.79	120	0.6	2.4	17.66	24.1891	0.25	5.05	190.9	25.41	Clear
10:48 AM	5.79	120	0.6	3	17.71	24.233	0.21	5.07	188.8	23.04	Clear
10:53 AM	5.79	120	0.6	3.6	17.78	24.3303	0.18	5.05	190	12.92	Clear
10:58 AM	5.79	120	0.6	4.2	17.87	24.11	0.15	5.06	189.8	12.53	Clear
11:03 AM	5.79	120	0.6	4.8	17.94	24.0885	0.14	5.05	189	10.29	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-111	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-112	SAMPLE ID: W-112-2023-Q4	DATE: 10/25/2023 8:55:00 AM
TOTAL WELL DEPTH (feet) (A): 36.92	WATER TABLE DEPTH (feet) (B): 8.25	LENGTH OF WATER COLUMN (feet) (A-B): 28.67
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.68

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/25/2023 8:25:00 AM	PURGING END TIME: 10/25/2023 8:50:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:30 AM	8.25	120	0.6	0.6	15.31	220.083	0.81	6.4	-53.7	109.8	Light brown
8:35 AM	8.25	120	0.6	1.2	15.86	221.596	0.33	6.39	-61.2	52.49	Clear
8:40 AM	8.25	120	0.6	1.8	15.87	222.506	0.26	6.44	-67.9	12.47	Clear
8:45 AM	8.25	120	0.6	2.4	16.09	223.356	0.22	6.45	-72.2	9.53	Clear
8:50 AM	8.25	120	0.6	3	16.22	223.08	0.2	6.45	-76.7	5.87	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-112	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-113	SAMPLE ID: W-113-2023-Q4	DATE: 10/4/2023 11:05:00 AM
TOTAL WELL DEPTH (feet) (A): 39.03	WATER TABLE DEPTH (feet) (B): 9.95	LENGTH OF WATER COLUMN (feet) (A-B): 29.08
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 31.00 - 36.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.75

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 10:05:00 AM	PURGING END TIME: 10/4/2023 11:00:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
10:10 AM	10.45	100	0.5	0.5	22.21	101.695	1.46	6.03	135.9	4.48	Clear
10:15 AM	10.62	100	0.5	1	22.89	103.812	1.25	5.94	138.2	7.43	Clear
10:20 AM	10.71	100	0.5	1.5	22.84	104.085	1.14	5.95	137.2	10.34	Clear
10:25 AM	10.82	100	0.5	2	22.82	104.272	1.04	5.9	140.5	17.5	Clear
10:30 AM	10.91	100	0.5	2.5	22.74	104.079	0.99	5.78	146.4	22.51	Clear
10:35 AM	11.01	100	0.5	3	22.76	104.554	0.94	5.78	147.8	27.72	Clear
10:40 AM	11.11	100	0.5	3.5	22.77	103.97	0.91	5.76	150.7	34.13	Clear
10:45 AM	11.13	100	0.5	4	23.47	105.43	0.92	5.76	149.9	43.21	Clear
10:50 AM	11.17	100	0.5	4.5	23.39	104.275	0.9	5.76	144.6	45.13	Clear
10:55 AM	11.21	100	0.5	5	23.44	104.211	0.9	5.8	144.2	55.64	Clear
11:00 AM	11.25	100	0.5	5.5	23.57	104.182	0.85	5.8	140.7	44.53	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-113	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-114	SAMPLE ID: W-114-2023-Q4	DATE: 10/4/2023 9:30:00 AM
TOTAL WELL DEPTH (feet) (A): 23.53	WATER TABLE DEPTH (feet) (B): 9.37	LENGTH OF WATER COLUMN (feet) (A-B): 14.16
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.31

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 8:45:00 AM	PURGING END TIME: 10/4/2023 9:25:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:50 AM	9.56	80	0.4	0.4	21.07	99.4323	2.52	5.73	136.9	131.07	Light brown
8:55 AM	9.59	80	0.4	0.8	21.28	96.8528	2.27	5.72	137.9	89.75	Light brown
9:00 AM	9.62	80	0.4	1.2	21.54	93.526	2.18	5.68	143.6	50.37	Clear
9:05 AM	9.6	80	0.4	1.6	21.94	93.3429	2.17	5.7	144	38.14	Clear
9:10 AM	9.6	80	0.4	2	21.94	95.4095	2.15	5.73	142	37.22	Clear
9:15 AM	9.6	80	0.4	2.4	22.07	94.971	2.14	5.75	142.6	33.53	Clear
9:20 AM	9.6	80	0.4	2.8	22.35	94.6401	2.14	5.74	145.4	31.76	Clear
9:25 AM	9.6	80	0.4	3.2	22.51	92.6358	2.14	5.74	148	34.95	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-114	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-115	SAMPLE ID: W-115-2023-Q4	DATE: 10/4/2023 1:07:00 PM
TOTAL WELL DEPTH (feet) (A): 47.92	WATER TABLE DEPTH (feet) (B): 18.19	LENGTH OF WATER COLUMN (feet) (A-B): 29.73
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 40.50 - 45.50 ft	CALCULATED SYSTEM VOLUME (gallons): 4.85

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 12:37:00 PM	PURGING END TIME: 10/4/2023 1:02:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:42 PM	18.29	100	0.5	0.5	21.83	99.4087	5.58	5.5	215	16.35	Clear
12:47 PM	18.3	100	0.5	1	21.41	99.5155	4.4	5.44	226.3	6.84	
12:52 PM	18.3	100	0.5	1.5	21.2	100.491	4.31	5.43	228.3	7.7	Clear
12:57 PM	18.3	100	0.5	2	21.41	100.115	4.24	5.38	230.3	9.25	Clear
1:02 PM	18.3	100	0.5	2.5	21.34	98.9154	4.01	5.4	230.5	11.66	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-115	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-116	SAMPLE ID: W-116-2023-Q4	DATE: 10/4/2023 12:10:00 PM
TOTAL WELL DEPTH (feet) (A): 23.14	WATER TABLE DEPTH (feet) (B): 17.76	LENGTH OF WATER COLUMN (feet) (A-B): 5.38
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 10.00 - 20.00 ft	CALCULATED SYSTEM VOLUME (gallons): 0.88

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 11:35:00 AM	PURGING END TIME: 10/4/2023 12:05:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
11:40 AM	17.95	100	0.5	0.5	21.36	114.915	5.75	5.37	201.2	3.13	Clear
11:45 AM	17.95	100	0.5	1	21.36	112.356	6.6	5.17	224.3	0.51	Clear
11:50 AM	17.96	100	0.5	1.5	21.24	110.837	6.96	5	243.1	0.06	Clear
11:55 AM	17.96	100	0.5	2	21.22	110.705	7.08	4.88	254.8	0	Clear
12:00 PM	17.96	100	0.5	2.5	21.1	110.833	7.12	4.85	261.6	0	Clear
12:05 PM	17.96	100	0.5	3	21.11	110.57	7.07	4.82	264.1	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-116	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-117	SAMPLE ID: W-117-2023-Q4	DATE: 10/4/2023 2:02:00 PM
TOTAL WELL DEPTH (feet) (A): 46.70	WATER TABLE DEPTH (feet) (B): 22.15	LENGTH OF WATER COLUMN (feet) (A-B): 24.55
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 39.00 - 44.00 ft	CALCULATED SYSTEM VOLUME (gallons): 4.01

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/4/2023 1:30:00 PM	PURGING END TIME: 10/4/2023 1:57:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:37 PM	22.18	120	0.6	0.6	22.16	87.7015	3.97	5.78	195.4	0.98	Clear
1:42 PM	22.18	120	0.6	1.2	21.73	87.546	3.79	5.77	200.9	4.59	Clear
1:47 PM	22.18	120	0.6	1.8	20.95	87.4607	3.73	5.75	203.6	4.39	Clear
1:52 PM	22.18	120	0.6	2.4	20.83	87.4077	3.7	5.73	207.3	6.35	Clear
1:57 PM	22.18	120	0.6	3	20.87	87.4144	3.67	5.68	210.1	9.66	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-117	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL:	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-118	SAMPLE ID: W-118-2023-Q4	DATE: 10/11/2023 1:15:00 PM
TOTAL WELL DEPTH (feet) (A): 32.45	WATER TABLE DEPTH (feet) (B): 20.21	LENGTH OF WATER COLUMN (feet) (A-B): 12.24
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 19.50 - 29.50 ft	CALCULATED SYSTEM VOLUME (gallons): 2.00

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.95	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 12:51:00 PM	PURGING END TIME: 10/11/2023 1:14:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:54 PM	20.22	120	0	0	22.42	101.949	6.82	5.49	227	9.34	Clear
12:59 PM	20.22	120	0.6	0.6	19.36	89.4093	2.07	5.47	249	6.2	Clear
1:04 PM	20.22	120	0.6	1.2	19.21	89.2581	1.95	5.43	258.3	7.63	Clear
1:09 PM	20.22	120	0.6	1.8	19.16	89.207	1.84	5.39	263.9	5.77	Clear
1:14 PM	20.22	120	0.6	2.4	19.08	89.1321	1.97	5.37	266.7	9.23	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-118	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-119	SAMPLE ID: W-119-2023-Q4	DATE: 10/11/2023 1:15:00 PM
TOTAL WELL DEPTH (feet) (A): 33.00	WATER TABLE DEPTH (feet) (B): 15.47	LENGTH OF WATER COLUMN (feet) (A-B): 17.53
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.00 - 30.00 ft	CALCULATED SYSTEM VOLUME (gallons): 2.86

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 12:47:00 PM	PURGING END TIME: 10/11/2023 1:12:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:52 PM	15.47	100	0.5	0.5	20.87	82.9916	0.61	5.3	261.1	0	Clear
12:57 PM	15.47	100	0.5	1	20.72	83.9137	0.48	5.25	267.3	0	Clear
1:02 PM	15.47	100	0.5	1.5	20.46	83.7373	0.34	5.22	271.8	0	Clear
1:07 PM	15.47	100	0.5	2	20.34	83.7573	0.27	5.19	275.7	0	Clear
1:12 PM	15.47	100	0.5	2.5	20.32	84.0498	0.24	5.17	277	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-119	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-120	SAMPLE ID: W-120-2023-Q4	DATE: 10/11/2023 10:00:00 AM
TOTAL WELL DEPTH (feet) (A): 36.85	WATER TABLE DEPTH (feet) (B): 14.03	LENGTH OF WATER COLUMN (feet) (A-B): 22.82
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.72

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 9:30:00 AM	PURGING END TIME: 10/11/2023 9:55:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:35 AM	14.14	100	0.5	0.5	21.21	139.248	0.73	5.72	201.7	0	Clear
9:40 AM	14.14	100	0.5	1	21.21	138.615	0.52	5.71	211.4	0.31	Clear
9:45 AM	14.14	100	0.5	1.5	21.17	137.887	0.42	5.71	218.8	1.19	Clear
9:50 AM	14.14	100	0.5	2	21.17	136.758	0.32	5.72	224.1	0	Clear
9:55 AM	14.14	100	0.5	2.5	21.13	139.35	0.3	5.73	226.7	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-120	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-121	SAMPLE ID: W-121-2023-Q4	DATE: 10/11/2023 8:55:00 AM
TOTAL WELL DEPTH (feet) (A): 25.21	WATER TABLE DEPTH (feet) (B): 14.10	LENGTH OF WATER COLUMN (feet) (A-B): 11.11
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 12.00 - 22.00 ft	CALCULATED SYSTEM VOLUME (gallons): 1.81

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/11/2023 8:25:00 AM	PURGING END TIME: 10/11/2023 8:50:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:30 AM	14.28	100	0.5	0.5	21.09	93.3214	0.47	4.99	227.5	0	Clear
8:35 AM	14.3	100	0.5	1	21.41	86.2927	0.3	4.94	234	2.44	Clear
8:40 AM	14.32	100	0.5	1.5	21.47	84.3519	0.22	4.96	237.7	0	Clear
8:45 AM	14.33	100	0.5	2	21.48	83.8956	0.21	4.97	236.7	0	Clear
8:50 AM	14.33	100	0.5	2.5	21.37	83.3501	0.22	5.01	235.2	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-121	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-121-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-122	SAMPLE ID: W-122-2023-Q4	DATE: 10/26/2023 9:15:00 AM
TOTAL WELL DEPTH (feet) (A): 33.06	WATER TABLE DEPTH (feet) (B): 8.65	LENGTH OF WATER COLUMN (feet) (A-B): 24.41
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 25.00 - 30.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.98

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/26/2023 8:48:00 AM	PURGING END TIME: 10/26/2023 9:13:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:53 AM	8.98	100	0.5	0.5	21.22	42.3712	0.41	6.01	89.6	4.84	Clear
8:58 AM	9.02	100	0.5	1	21.31	41.5068	0.3	6.01	87.2	3.71	Clear
9:03 AM	9.05	100	0.5	1.5	21.53	41.3026	0.26	6.01	84	0.17	Clear
9:08 AM	9.09	100	0.5	2	21.64	40.7277	0.21	5.99	85.2	1.42	Clear
9:13 AM	9.11	100	0.5	2.5	21.67	40.1173	0.2	5.99	84.7	0	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-122	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-123	SAMPLE ID: W-123-2023-Q4	DATE: 10/5/2023 2:13:00 PM
TOTAL WELL DEPTH (feet) (A): 34.65	WATER TABLE DEPTH (feet) (B): 13.65	LENGTH OF WATER COLUMN (feet) (A-B): 21.00
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 29.00 - 34.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.43

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME:	PURGING END TIME:	PUMP TYPE:

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
1:16 PM	13.96	160	0.8	0.8	29.17	1454.84	3.51	7.86	102.9	14.07	Clear
1:21 PM	13.96	160	0.8	1.6	24.63	1546.78	0.53	7.98	89.2	26.13	Clear
1:26 PM	13.96	160	0.8	2.4	24.38	1551.64	0.32	7.98	87.1	36.41	Clear
1:31 PM	13.96	160	0.8	3.2	24.21	1535.11	0.3	7.97	84.3	50.21	Clear
1:36 PM	13.96	160	0.8	4	24.12	1535.87	0.21	7.96	83.6	70.94	Clear
1:41 PM	13.96	160	0.8	4.8	23.93	1537.19	0.19	7.96	81	95.22	Clear
1:46 PM	13.96	160	0.8	5.6	24.01	1534.7	0.17	7.96	79.5	144.42	Clear
1:51 PM	13.96	160	0.8	6.4	24.23	1539.23	0.21	7.97	77.3	195.16	Clear
1:56 PM	13.96	160	0.8	7.2	24.17	1540.78	0.34	7.96	76.4	247.6	Clear
2:01 PM	13.96	160	0.8	8	24.18	1549.06	0.67	7.98	75.9	42.4	Clear
2:06 PM	13.96	160	0.8	8.8	24.04	1544.88	0.49	7.98	74.3	53.78	Clear
2:11 PM	13.96	160	0.8	9.6	24.18	1545.25	0.41	7.97	73.1	35.71	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-123	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-124	SAMPLE ID: W-124-2023-Q4	DATE: 10/24/2023 10:48:00 AM
TOTAL WELL DEPTH (feet) (A): 33.65	WATER TABLE DEPTH (feet) (B): 10.48	LENGTH OF WATER COLUMN (feet) (A-B): 23.17
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 26.00 - 31.00 ft	CALCULATED SYSTEM VOLUME (gallons): 3.78

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/24/2023 9:55:00 AM	PURGING END TIME: 10/24/2023 10:47:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
9:57 AM	10.51	160	0.8	0.8	20.28	108.386	5.02	5.91	-27.3	5.31	Clear
10:02 AM	10.51	160	0.8	1.6	18.47	116.497	0.54	5.68	36.8	4.58	Clear
10:07 AM	10.51	160	0.8	2.4	18.5	116.896	0.3	5.72	41.5	6.28	Clear
10:12 AM	10.54	160	0.8	3.2	18.54	113.987	0.21	5.74	46.1	23.75	Clear
10:17 AM	10.54	160	0.8	4	19.21	117.163	0.27	5.79	39.2	23.01	Clear
10:22 AM	10.54	160	0.8	4.8	19.44	116.237	0.36	5.77	45.3	32.69	Clear
10:27 AM	10.54	160	0.8	5.6	19.43	114.512	0.46	5.76	48.6	41.86	Clear
10:32 AM	10.54	160	0.8	6.4	19.71	113.365	0.4	5.76	53.7	41.98	Clear
10:37 AM	7.54	160	0.8	7.2	19.87	113.276	0.24	5.74	55.9	37.19	Clear
10:42 AM	10.54	160	0.8	8	19.7	113.034	0.18	5.76	52.8	44.66	Clear
10:47 AM	10.54	160	0.8	8.8	19.3	115.254	0.14	5.74	57.2	46.35	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-124	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-125	SAMPLE ID: W-125-2023-Q4	DATE: 10/20/2023 9:25:00 AM
TOTAL WELL DEPTH (feet) (A): 47.25	WATER TABLE DEPTH (feet) (B): 10.28	LENGTH OF WATER COLUMN (feet) (A-B): 36.97
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 40.00 - 45.00 ft	CALCULATED SYSTEM VOLUME (gallons): 6.03

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/20/2023 8:25:00 AM	PURGING END TIME: 10/20/2023 9:20:00 AM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
8:30 AM	10.32	100	0.5	0.5	16.82	357.277	0.45	6.19	-45.1	19.21	Clear
8:35 AM	10.32	100	0.5	1	16.92	355.734	0.28	6.19	-51.8	17.36	Clear
8:40 AM	10.32	100	0.5	1.5	16.98	357.178	0.24	6.2	-55.2	17.19	Clear
8:45 AM	10.32	100	0.5	2	17.09	356.453	0.22	6.2	-58.6	14.91	Clear
8:50 AM	10.32	100	0.5	2.5	17.14	356.314	0.18	6.2	-62.7	25.14	Clear
8:55 AM	10.32	100	0.5	3	17.2	356.531	0.17	6.2	-63	29.5	Clear
9:00 AM	10.32	100	0.5	3.5	16.98	355.51	0.19	6.21	-64.3	24.33	Clear
9:05 AM	10.32	100	0.5	4	16.97	355.75	0.19	6.2	-64.7	24.53	Clear
9:10 AM	10.32	100	0.5	4.5	17.18	356.041	0.18	6.2	-66.4	30.52	Clear
9:15 AM	10.32	100	0.5	5	17.31	356.628	0.17	6.21	-67.6	30.18	Clear
9:20 AM	10.32	100	0.5	5.5	17.6	357.978	0.16	6.2	-68.8	35.72	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-125	SAMPLED BY: Trevor Brown	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE: W-125-2023-Q4-DUP
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 663675 WL/int meter: Solinst 101 # 5757	REMARKS:		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

AECOM

GROUNDWATER SAMPLING LOG

Low Flow Groundwater Sample Collection Record

WELL NO: W-126	SAMPLE ID: W-126-2023-Q4	DATE: 10/23/2023 12:53:00 PM
TOTAL WELL DEPTH (feet) (A): 46.55	WATER TABLE DEPTH (feet) (B): 8.72	LENGTH OF WATER COLUMN (feet) (A-B): 37.83
CASING DIAMETER / MATL: 2 in, PVC	WELL SCREEN INTERVAL DEPTH: 37.50 - 42.50 ft	CALCULATED SYSTEM VOLUME (gallons): 6.17

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 44.05	FINAL PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded	PURGING START TIME: 10/23/2023 12:21:00 PM	PURGING END TIME: 10/23/2023 12:52:00 PM	PUMP TYPE: Low flow (pump type: Peristaltic)

Time	Depth to Water (ft)	Flow Rate (ml/min)	Volume Purged (L)	Cumulative Volume Purged (L)	Temperature (degC)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Oxidation Reduction Potential (mv)	Turbidity (NTU)	Color
12:22 PM	8.74			0	25.06	0.0548858	5.31	6.72	-44.5	32.71	Clear
12:27 PM	8.74	160	0.8	0.8	19.89	237.714	0.38	6.4	-50.3	42.6	Clear
12:32 PM	8.74	160	0.8	1.6	19.67	235.777	0.24	6.35	-50	70.59	Clear
12:37 PM	8.74	160	0.8	2.4	19.55	235.093	0.14	6.34	-52.9	79.31	Clear
12:42 PM	8.74	160	0.8	3.2	19.94	248.68	0.28	6.36	-60.9	20.97	Clear
12:47 PM	8.74	160	0.8	4	20.12	251.874	0.34	6.39	-66.8	41.3	Clear
12:52 PM	8.74	160	0.8	4.8	20.1	248.554	0.28	6.38	-67.3	65.81	Clear

AECOM

GROUNDWATER SAMPLING LOG

SAMPLING DATA			
WELL NO: W-126	SAMPLED BY: Randy Crews	SAMPLING START TIME:	SAMPLING END TIME:
TUBING MATERIAL: Teflon	PUMP OR TUBING DEPTH IN WELL (feet): Not Recorded		DUPLICATE:
FIELD EQUIPMENT USED: Field param meter: In-Situ AquaTroll 600 # 1027329 WL/int meter: Solinst 101 # 322134	REMARKS: Lots of bubbles causing turbidity		

NOTES:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: + 1.0 units **Temperature**: + 3% **Specific Conductance**: + 3% **Dissolved Oxygen**: optionally, + 0.2 mg/L or + 10% (whichever is greater) **ORP**: + 10 mV
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

# of bottles	Size	Material	Preservative	Analysis	Lab
1	250 ml	Poly	None	Fluoride,Nitrate	PACE-SC-WCOL
3	40 ml	VOA vial	HCL	Select VOCs	PACE-SC-WCOL
2	1 L	Poly	HNO3	ISO & TOTAL U ICPMS,Tc-99	GEL

Appendix B
Laboratory Analytical Reports

Appendix C
Historical Groundwater Analytical Results

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2
				Date	4/16/2019	10/3/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	4/12/2022	10/12/2022	4/13/2023	10/13/2023	1/12/201	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.934 #	2.51 #	1.01 #	1.00 #	0 ##	2.13 #	0.367 #	1.21 #	NA	NA	NA	1.15 #	0 ##	0 ##	5.10	1.17 #	0 ##	0.835 #	2.35 #	2.68	2.79 #	4.09 #	3.13	4.36 #	2.21 #
Radiological	Beta particles	50	*	pCi/L	5.56	3.98	1.65 #	1.66 #	3.75 #	2.32 #	1.03 #	5.69	NA	NA	NA	11.5	6.31	6.58	10.8	10.8	6.31	6.49	8.32	7.07	6.56	7.10	10.4	10.8	8.87
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.2 #	57.8 #	0 ##	54.8 #	0 ##	0 ##	216 #	104 #	0 ##	0 ##	124 #	212 #	179 #	40.7 #
Radiological	Technetium-99	900		pCi/L	0 ##	1.40 #	0.209 #	1.10 #	0.682 #	0.0163 #	0.147 #	1.04 #	2.72 #	0 ##	0.135 #	22.9 #	0 ##	0 ##	66.0 #	84.8 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	0 ##	0.126 #	0.195 #	NA	0.127 #	0.246 #	0.171 #	0 ##	NA	0.137 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0.0695 #	0.139 #	0.0329 #	NA	0 ##	0.135 #	0.131 #	0 ##	NA	0.0698 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0 ##	0.169 #	0 ##	NA	0.0704 #	0.0601 #	0.00168 #	0.0773 #	NA	0.0180 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	0.0815 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.0815 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	0.055	0.06	0.047 J	0.0460 J	0.037 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	2.5	2.1	2	1.8	1.8	2.0	1.7	1.7	1.8	2.7	1.8	30	19	21	26	25	19	19	23	24	20	19	19	20	20
Chemical	Ammonia as N			mg/L	NA	0.0129	0.0196	0.0171 J	0.0199 J	0.0197 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	147 J	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	< 20.0	9.02 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	48.2	53.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	4600	5340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	3.46 J	1.69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	2.5 J	2.44 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	134	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	1580	1840	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	38	28.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	< 0.200	0.078 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	4480	3630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	1570	1580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	1.14 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	5040	5630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	7.63 J	6.72 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 20	< 20	< 40	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2-Chlorophenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	2-Methylphenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	2-Nitroaniline			ug/L	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	2-Nitrophenol			ug/L	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	3-Nitroaniline			ug/L	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 20	< 20	< 40	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	4-Chloroaniline			ug/L	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	4-Methylphenol			ug/L	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	4-Nitroaniline			ug/L	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 20	< 20	< 40	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Acetophenone			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Anthracene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Atrazine	3		ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Benzaldehyde			ug/L	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 8	< 8	< 16	< 8	< 8	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2
				Date	4/16/2019	10/3/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	4/12/2022	10/12/2022	4/13/2023	10/13/2023	1/12/201	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																							
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 11	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Caprolactam			ug/L	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	56	< 27	< 8	< 8	140	< 8	< 8	< 8
SVOCs	Carbazole			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Chrysene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Dibenzofuran			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Diethyl phthalate			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Fluorene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 20	< 20	< 40	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Isophorone			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Naphthalene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Nitrobenzene			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 26	< 25	< 25	NA	< 25	< 25	< 25	< 27	< 20	< 20	< 40	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Phenol			ug/L	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 4	< 4	< 8	< 4	< 4	< 4
SVOCs	Pyrene			ug/L	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	NA	< 5	< 5	< 5	< 5.4	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Bromodichloromethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Bromoform			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Bromomethane			ug/L	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Chlorobenzene	100		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Chloroethane			ug/L	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
VOCs	Chloroform			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Chloromethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	NA	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 1
VOCs	Cyclohexane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	NA	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	NA	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 1
VOCs	Ethylbenzene	700		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	NA	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 1
VOCs	Naphthalene (VOC)			ug/L	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1
VOCs	Styrene	100		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	NA	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Tetrachloroethene	5		ug/L	1.3	1.4	1.7	2.5	2.1	2.3	1.8	1.8	1.7	1.6	1.1	110	140	120	NA	160	81	150	160	140	170	150	140	120	160
VOCs	Toluene	1000		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Trichloroethene	5		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.3	12	8.9	NA	8.1	7.3	12	9	8.2	11	10	11	7.9	9.8

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW1	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2
				Date	4/16/2019	10/3/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	4/12/2022	10/12/2022	4/13/2023	10/13/2023	1/12/201	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	NA	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 1
VOCs	Vinyl chloride	2		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	NA	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 1
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A
				Date	4/10/2018	7/10/2018	10/16/2018	1/22/2019	10/11/2019	4/20/2020	10/16/2020	4/16/2021	10/21/2021	4/14/2022	4/14/2022	10/17/2022	10/17/2022	4/14/2023	10/13/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	5.65	7.92	3.32 #	3.73 #	2.00 #	3.17 #	1.44 #	0 ##	0.577 #	1.91 #	0.863 #	NA	NA	0.747 #	0.523 #	0.587 #	0.348 #	2.24 #	0.170 #	0 ##	0.381 #	2.82	1.20 #	4.60	0 ##
Radiological	Beta particles	50	*	pCi/L	8.31	13.2	7.07	9.11	11.9	3.53 #	3.46 #	2.18 #	5.46	2.77 #	7.17	3.39 #	5.50	1.52 #	10.7	2.58 #	1.18 #	2.58 #	2.86 #	0.298 #	4.78	3.10 #	7.30	4.26	3.96 #
Radiological	Tritium			pCi/L	0 ##	76.6 #	95.0 #	0 ##	270 #	79.8 #	0 ##	15.3 #	39.1 #	0 ##	12.8 #	60.9 #	171 #	0 ##	374 #	51.3 #	320 #	0 ##	0 ##	0 ##	0 ##	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	0 ##	23.1 #	3.26 #	10.6	3.57 #	6.40	7.98	7.88	8.92	9.47	3.43 #	8.13	0 ##	0 ##	0 ##	74.7 #	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	0.323	0.252 #	0.00526 #	NA	0.0778 #	0.134 #	0.00130 #	0.0782 #	NA	NA	0.153 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	0.366	0.107 #	0 ##	NA	0 ##	0.0295 #	0.0436 #	0.0203 #	NA	NA	0.145 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	0.495	0.0958 #	0.0482 #	NA	0.0864 #	0.582	0.0562 #	0.0643 #	NA	NA	0.101 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	10.3	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	< 0.200	0.079 J	0.0743 J	< 0.200	0.116 J	0.0834 J	0.0739 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0955 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	< 0.200	0.079 J	0.0743 J	< 0.200	0.116 J	0.0834 J	0.0739 J	0	0	< 0.200	< 0.200	< 0.200	0.0955 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	0.099	0.089	0.115	0.128	0.125	0.19	0.17	0.14	0.16	0.17	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	20	14	14	14	20	12	21	9.7	16	14	13	13	13	8.1	15	< 0.02	< 0.02	< 0.02	< 0.02	0.034	< 0.02	0.11	0.039	< 0.02	< 0.02	< 0.02
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.0581	0.0204	0.081 J	0.0234 J	0.0207 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	120 J	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	< 20.0	4.03 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	106	68.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	16600	11600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	< 10.0	1.06 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	4.14 J	3.45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	3500	2420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	90.3	57.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	0.097 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	7.34	4.93 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	2500	2060	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	7.61 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	19700	13900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	7.87 J	5.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 1.00 < 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A
				Date	4/10/2018	7/10/2018	10/16/2018	1/22/2019	10/11/2019	4/20/2020	10/16/2020	4/16/2021	10/21/2021	4/14/2022	4/14/2022	10/17/2022	10/17/2022	4/14/2023	10/13/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.450 J < 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 25.0	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.81 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	1.3	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	1.0	< 1.0	1.9	1.9	2.2	2.3	0.64 J	0.47 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	170	170	190	150	140	140	140	160	150	170	170	146	144	120	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	9.7	5.6	7	12	8.3	11	9.6	11	9.5	7.9	8.0	5.4	5.3	8.5	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-RW2	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A
				Date	4/10/2018	7/10/2018	10/16/2018	1/22/2019	10/11/2019	4/20/2020	10/16/2020	4/16/2021	10/21/2021	4/14/2022	4/14/2022	10/17/2022	10/17/2022	4/14/2023	10/13/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-4R	W-4R	W-4R	W-4R	W-4R	W-4R
				Date	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	10/29/2018	11/29/2018	11/29/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/23/2021	6/10/2021	10/25/2021	4/21/2022	10/20/2022	4/20/2023	10/24/2023	8/4/2021	10/25/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	3.16 #	1.99 #	2.96	0.242 #	1.66 #	1.04 #	0.554 #	2.01 #	0.683 #	2.36 #	3.56 #	5.35	0.898 #	NA	2.10 #	0.0801	NA	NA	NA	0.0202 #	0.170 #	3.66	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	2.48 #	4.59	4.81	0.346 #	3.49 #	1.99 #	1.86 #	0 ##	2.62 #	1.15 #	2.21 #	46.0	2.38 #	NA	5.86	1.46 #	NA	NA	NA	0 ##	0.278 #	2.13 #	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.9 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	18.2 #	0.904 #	0 ##	7.25 #	0 ##	0.525 #	0 ##	NA	0 ##	0.00772 #	0 ##	0.146 #	1.37 #	2.39 #	0.442 #	3.12 #	0.693 #	5.42	2.04 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	0 ##	0 ##	0.118 #	0.287 #	0.0204 #	NA	0 ##	NA	0 ##	0.269 #	NA	0.0963 #	NA	0 ##	0 ##	0.0547 #	NA	0.0529 #	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	0.0350 #	0 ##	0.196 #	0.0414 #	0 #	NA	0.0527 #	NA	0 ##	0.0705 #	NA	0.0402 #	NA	0.103 #	0.0179 #	0.0271 #	NA	0.0525 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	0.0298 #	0.0426 #	0.0882 #	0.145 #	0.0308 #	NA	0 ##	NA	0.0616 #	0.123 #	NA	0.0548 #	NA	0.0833 #	0 ##	0.0230 #	NA	0.0969 #	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.106 J	0.0839 J	< 0.200	NA	0.0700 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0942 J	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.106 J	0.0839 J	< 0.200	NA	0.0700 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0942 J	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.015	< 0.1	< 0.1	NA	< 0.1	0.015 J	< 0.10	< 0.10	< 0.10	< 0.10	0.104	0.154	0.12	0.11	< 0.10	0.11
Chemical	Nitrate as N	10		mg/L	0.066	0.062	< 0.02	< 0.02	66	< 0.02	< 0.02	< 0.02	< 0.02	< 0.020	< 0.02	< 0.020	< 0.020	NA	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.044	< 0.020	0.22	0.037	0.23	0.039
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0256	0.0146	0.0254 J	NA	0.0159 J	0.0193 J	NA	NA	NA	NA	0.0141 J	0.0196 J	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.92	5.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	490	459	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.21 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	562	534	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	251 J	216 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.71 J	8.97 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.85 J	1.54 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	664	965	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.22 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2410	2560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.59 J	7.11 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA

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Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-4R	W-4R	W-4R	W-4R	W-4R	W-4R
				Date	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	10/29/2018	11/29/2018	11/29/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/23/2021	6/10/2021	10/25/2021	4/21/2022	10/20/2022	4/20/2023	10/24/2023	8/4/2021	10/25/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-3A	W-4R	W-4R	W-4R	W-4R	W-4R	W-4R
				Date	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	10/29/2018	11/29/2018	11/29/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/23/2021	6/10/2021	10/25/2021	4/21/2022	10/20/2022	4/20/2023	10/24/2023	8/4/2021	10/25/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023
				Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	< 2	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A
				Date	11/5/2018	1/15/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	1/5/2023	4/11/2023	10/10/2023	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	10/19/2018	1/14/2019	6/4/2019	10/9/2019
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	8.41	34.6	9.09	37.6	5.50	47.2	13.5	7.32	NA	NA	NA	NA	NA	0.285 #	2.24 #	15.4	4.22 #	19.8	9.10	9.24	7.71	3.38 #	6.28 #	14.5	6.35
Radiological	Beta particles	50	*	pCi/L	765	1620	1370	1260	1450	1270	1290	987	NA	NA	NA	NA	NA	149	123	125	262	150	131	141	124	110	123	142	114
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	0 ##	219 #	42.4 #	0 ##	0 ##	210 #	0 ##	0 ##	99.7 #	205 #	0 ##
Radiological	Technetium-99	900		pCi/L	861	2370	2440	2450	2650	2830	2500	2230	2380	NA	NA	1750	2060	378	254	NA	NA	185	209	211	212	175	160	176	210
Radiological	Uranium-233/234			pCi/L	1.00	0.397	0.372	0.0213 #	NA	0.471 #	0.255	0.227 #	NA	NA	NA	0 ##	NA	NA	NA	0.289 #	NA	1.78	NA	NA	NA	NA	0.559	0.378	0.409
Radiological	Uranium-235/236			pCi/L	0.0392 #	0.153 #	0.0443 #	0 #	NA	0.0858 #	0.152 #	0 ##	NA	NA	NA	0.0984 #	NA	NA	NA	0.246 #	NA	0.257 #	NA	NA	NA	NA	0.207 #	0.0157 #	0.0909 #
Radiological	Uranium-238			pCi/L	0.311 #	0.327	0.153 #	0.0977 #	NA	0 ##	0.167	0.0894 #	NA	NA	NA	0.0461 #	NA	NA	NA	0 ##	NA	0.828	NA	NA	NA	NA	0.558	0.0818 #	0.259
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	NA	NA	NA	0 #	NA	0 #	NA	NA	NA	NA	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050
Radiological	Uranium-235			ug/L	0.011 J	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070
Radiological	Uranium-238			ug/L	0.409	0.2	0.232	0.183 J	0.224	0.280	0.321	0.322	0.175 J	NA	NA	0.101 J	0.140 J	NA	NA	NA	NA	NA	NA	NA	NA	0.691	0.719	0.812	0.698
Radiological	Total Uranium Isotopes	30		ug/L	0.42	0.2	0.232	0.183 J	0.224	0.280	0.321	0.322	0.175 J	NA	NA	0.101 J	0.140 J	NA	NA	NA	NA	NA	NA	NA	NA	0.691	0.719	0.812	0.698
Chemical	Fluoride	4		mg/L	NA	NA	0.126	0.112	0.14	0.0180 J	0.233	0.21	NA	0.24	0.24	0.13	0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.47
Chemical	Nitrate as N	10		mg/L	14	150	210	190	220	180	210	190	7.4	NA	NA	180	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	350	350	390
Chemical	Ammonia as N			mg/L	NA	NA	134	58	18.9	76.5	105	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48.5
Metals	Aluminum			ug/L	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200
Metals	Antimony	6		ug/L	NA	NA	< 20.0	16.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0
Metals	Arsenic	10		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0
Metals	Barium	2000		ug/L	NA	NA	496	614	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	595
Metals	Beryllium	4		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00
Metals	Cadmium	5		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00
Metals	Calcium			ug/L	NA	NA	71400	73700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99500
Metals	Chromium	100		ug/L	NA	NA	< 10.0	1.67 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.46 J
Metals	Cobalt			ug/L	NA	NA	6.41	7.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.56
Metals	Copper	1300		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0
Metals	Iron			ug/L	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100
Metals	Lead	15		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0
Metals	Magnesium			ug/L	NA	NA	21600	23500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24700
Metals	Manganese			ug/L	NA	NA	142	187	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	824
Metals	Mercury	2		ug/L	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200
Metals	Nickel			ug/L	NA	NA	6.89	4.81 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.5
Metals	Potassium			ug/L	NA	NA	13400	12700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11500
Metals	Selenium	50		ug/L	NA	NA	12.9 J	18.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.9 J
Metals	Silver			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00
Metals	Sodium			ug/L	NA	NA	124000	111000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	447000
Metals	Thallium	2		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0
Metals	Vanadium			ug/L	NA	NA	4.07 J	2.98 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.11
Metals	Zinc			ug/L	NA	NA	13.9 J	27.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.69 J
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A
				Date	11/5/2018	1/15/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	1/5/2023	4/11/2023	10/10/2023	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	10/19/2018	1/14/2019	6/4/2019	10/9/2019
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0
SVOCs	Carbazole			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Isophorone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Phenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Bromodichloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Bromoform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Bromomethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Chloroethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0
VOCs	Chloroform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Chloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Cyclohexane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.59 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 5	1.9	2.8	2.7	2.5	2.7	3.0	3.0	2.9	NA	NA	1.8	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	Methyl acetate			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0
VOCs	Methylene chloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Styrene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 5	10	16	19	16	17	18	19	20	NA	NA	12	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7	2.1	1.9
VOCs	Toluene	1000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Trichloroethene	5		ug/L	< 5	1.8	2.5	2.7	2.6	2.8	2.8	3.1	3.0	NA	NA	2.1	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-6	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A
				Date	11/5/2018	1/15/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	1/5/2023	4/11/2023	10/10/2023	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	10/19/2018	1/14/2019	6/4/2019	10/9/2019
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10
				Date	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	1.99 #	6.87	6.63	8.14	3.44 #	4.14	NA	2.12 #	4.24	3.75	1.66 #	7.68	3.57 #	0.0550 #	1.77 #	4.87 #	1.57 #	6.39	2.06 #	NA	8.39	2.84 #	3.71	4.16 #	1.11 #
Radiological	Beta particles	50	*	pCi/L	54.0	99.2	96.1	105	87.5	85.8	NA	66.2	53.3	88.3	88.8	150	52.0	94.1	108	103	84.6	79.2	92.0	NA	89.2	78.4	99.4	79.2	65.7
Radiological	Tritium			pCi/L	115 #	0 ##	95.9 #	141 #	121 #	189 #	NA	165 #	0 ##	50.6 #	115 #	0 ##	16.0 #	0 ##	245 #	73.4 #	0 ##	190 #	0 ##	NA	26.2 #	0 ##	240 #	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	180	178	192	193	153	134	NA	145	133	149 #	0 ##	172 #	94.5 #	36.9 #	85.7 #	257 #	216	131	NA	NA	94.7	129	143	113	129
Radiological	Uranium-233/234			pCi/L	0.240	NA	0.0644 #	0.277	0.137 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0 ##	NA	0.0135 #	0.0105 #	0.0177 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0.219	NA	0.331	0.101 #	0.146 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	NA	0 #	0 #	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	0.716	0.725	0.671	0.558	0.550	0.477	NA	0.476	0.484	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	0.716	0.725	0.671	0.558	0.550	0.477	NA	0.476	0.484	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	6.04	5.57	5.37	7.18	5.6	NA	5.9	5.1	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	330	370	410	320	310	310	NA	250	250	75	66	85	52	64	72	67	51	51	NA	52	41	55	46	41	35
Chemical	Ammonia as N			mg/L	44.6	56	63.9	66.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	< 200	70.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	< 20.0	5.84 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	574	614	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	< 5.00	1.42 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	96400	99300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	5.82	8.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	< 20.0	4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	25300	23500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	789	845	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	14.4	18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	12200	11400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	12.7 J	23.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	432000	444000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	4.71 J	5.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	11.8 J	21.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4.0	20	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10
				Date	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																											
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	< 0.98	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Bromoform			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA
VOCs	Chloroform			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Chloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Cyclohexane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	< 0.020	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	1.6	2	1.5	1.3	1.4	1.2	NA	1.1	0.93 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-7A	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10
				Date	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11
				Date	10/19/2018	1/14/2019	6/4/2019	10/9/2019	10/9/2019	4/13/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/6/2022	1/3/2023	4/5/2023	10/5/2023	11/5/2018	12/5/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.233 #	0.960 #	1.51 #	3.19	2.19 #	0 ##	3.04 #	0.0413 #	0.131 #	1.37 #	0.281 #	NA	3.35 #	0.566 #	7.82	14.2	17.0	20.9	7.82	36.3	11.3	12.8	0.816 #	0 ##	NA
Radiological	Beta particles	50	*	pCi/L	68.7	50.9	66.3	81.3	76.2	47.8	66.4	49.1	60.0	73.1	64.9	NA	31.7	44.8	2160	2450	1810	2060	2450	2080	1620	450	627	619	NA
Radiological	Tritium			pCi/L	278 #	0 ##	0 ##	32.7 #	165 #	145 #	0 ##	0 ##	27.5 #	61.6 #	15.1 #	NA	158 #	99.4 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	90.0	80.9	88.7	118	121	81.2	110	93.4	98.2	105	91.6	NA	83.2	70.8	3570	3640	4200	2660	3420	3440	2760	1260	1230	948	1530
Radiological	Uranium-233/234			pCi/L	NA	0.217 #	0 ##	0.0993 #	0.0991 #	0.0637 #	NA	0.0289 #	0.291	0.143 #	NA	NA	NA	NA	0.0922 #	0.0262 #	0.497	0.0194 #	0.205 #	0 ##	NA	0 ##	0.0982 #	0.0858 #	NA
Radiological	Uranium-235/236			pCi/L	NA	0.204 #	0 ##	0.0935 #	0.219	0.00902 #	NA	0.108 #	0.0763 #	0 ##	NA	NA	NA	NA	0 #	0 ##	0.0412 #	0.0248 #	0.0769 #	0.0116 #	NA	0.0362 #	0.0430 #	0.0294 #	NA
Radiological	Uranium-238			pCi/L	NA	0.0620 #	0.0126 #	0.180 #	0.212	0.0301 #	NA	0 ##	0.0777 #	0 ##	NA	NA	NA	NA	0.114 #	0.110 #	0.256 #	0.0464 #	0.133 #	0.00916 #	NA	0 ##	0.0347 #	0.118 #	NA
Radiological	Percent Uranium-235			%	NA	0 #	0 #	0 #	13.8	0 #	NA	0 #	0 #	0 #	NA	NA	NA	NA	0 #	0 #	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.0841 J	0.0854 J	0.114 J	0.083 J	0.114 J	< 0.200	0.138 J	0.120 J	0.138 J	< 0.200	0.0995 J	NA	0.0766 J	0.101 J	< 0.200	< 0.200	0.192 J	0.0696 J	< 0.200	< 0.200	< 0.200	0.0828 J	0.0947 J	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.0841 J	0.0854 J	0.114 J	0.083 J	0.114 J	< 0.200	0.138 J	0.120 J	0.138 J	< 0.200	0.0995 J	NA	0.0766 J	0.101 J	< 0.200	< 0.200	0.192 J	0.0696 J	< 0.200	< 0.200	< 0.200	0.0828 J	0.0947 J	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	3.32	3.25	2.95	3.09	3.29	4.09	3.5	NA	3.3	2.8	3.7	NA	NA	NA	NA	0.021	0.017	0.009 J	0.0870 J	0.037 J	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	21	15	22	37	37	21	26	20	22	30	24	NA	14	8.1	57	63	64	50	56	51	49	28	23	17	35
Chemical	Ammonia as N			mg/L	NA	NA	NA	6.46	6.62	4.24	7.16	6.76	7.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.09	4.95	4.28	3.06	2.26	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	559	551	382	288	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	< 20.0	< 20.0	< 20.0	5.96 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	< 30.0	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	191	186	131	145	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	658	630	544	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	< 5.00	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	< 5.00	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	25100	24400	14700	19500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27900	27900	23800	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	2.26 J	2.53 J	1.53 J	2.42 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.05 J	1.01 J	1.76 J	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	< 20.0	58.6	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	< 20.0	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	7800	7630	5180	6650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13200	12800	10900	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	440	427	209	305	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83.5	83.2	78.9	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.084 J	0.16 J	0.072 J	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	10.3	10.5	9.96	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.8	9.56	8.56	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	8800	8700	7650	8510	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6280	6320	5500	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	9.01 J	7.72 J	< 30.0	11.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.48 J	12.8 J	11.5 J	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	< 5.00	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	79300	78100	60600	74300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36200	35300	33000	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	< 20.0	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	2.56 J	2.67 J	1.99 J	2.78 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	7.18 J	41.1	10.9 J	23.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	42.3	50.4	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11
				Date	10/19/2018	1/14/2019	6/4/2019	10/9/2019	10/9/2019	4/13/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/6/2022	1/3/2023	4/5/2023	10/5/2023	11/5/2018	12/5/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 1.00	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 0.99	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 5	< 5	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 5	< 5	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	1.1	1.2	1.1	1	1.1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.11	0.080	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 5	< 5	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	2.5	2.1	3.1	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5	< 5	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 5	< 5	2	1.9	1.4	1.4	2.1	17	15	24	11
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 5	< 5	< 1	1.3	< 1.0	< 1	< 1.0	3.0	2.4	4.0	1.5

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-10	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11	W-11
				Date	10/19/2018	1/14/2019	6/4/2019	10/9/2019	10/9/2019	4/13/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/6/2022	1/3/2023	4/5/2023	10/5/2023	11/5/2018	12/5/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 2	< 2	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 5	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-11	W-11	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R
				Date	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/13/2017	10/12/2017	1/8/2018	4/20/2018	7/13/2018	8/30/2018	10/19/2018	1/10/2019	6/6/2019	10/8/2019	4/8/2020	10/5/2020	4/6/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	4.48	0 ##	1.42 #	6.66	1.36 #	2.50	2.79 #	1.99 #	6.14	10.5	25.2	9.02	23.6	9.29	7.07	NA	2.06 #	0.976 #	4.01 #	2.15 #	3.48 #	0.0510 #	1.01 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	114	143	37.7	86.2	130	102	68.0	77.3	65.0	65.0	73.0	52.6	69.5	55.2	60.9	NA	97.6	73.5	48.9	53.2	36.0	38.7	24.8
Radiological	Tritium			pCi/L	NA	NA	336 #	164 #	0 ##	0 ##	0 ##	504 #	151 #	0 ##	0 ##	0 ##	0 ##	0 ##	128 #	42.8 #	263 #	NA	111 #	0 ##	150 #	116 #	0 ##	0 ##	95.3 #
Radiological	Technetium-99	900		pCi/L	1750	1280	214	117 #	72.1 #	264	168 #	113 #	204 #	234	166	NA	147	96.9	NA	86.3	67.2	NA	149	111	60.9	63.4	58.9	58.0	38.1
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.11	NA	1.22	NA	NA	NA	NA	0.191 #	0.00734 #	0.246 #	0.0454 #	NA	0.0718 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.340	NA	0.126 #	NA	NA	NA	NA	0.107 #	0 ##	0.0418 #	0 ##	NA	0 #
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.38	NA	0.405 #	NA	NA	NA	NA	0.210 #	0.0662 #	0.221	0.0527 #	NA	0.0118 #
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.68	NA	0 #	NA	NA	NA	NA	0 #	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	0.0821 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.131 J	0.149 J	0.128 J	0.139 J	0.076 J	0.131 J	0.130 J
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.0821 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.131 J	0.149 J	0.128 J	0.139 J	0.076 J	0.131 J	0.130 J
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.11	7.07	6.81	5.19
Chemical	Nitrate as N	10		mg/L	35	26	30	33	30	30	46	28	27	27	28	29	28	24	22	24	23	NA	24	21	16	18	13	15	15
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.5	21.4	24.2	22.4
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	831	879	831	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	3.74 J	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.3	94.3	89.5	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.89 J	1.57 J	1.85 J	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20500	20000	18900	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.04 J	< 10.0	170	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.87	6.77	8.24	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	4.2 J	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	55.1 J	71.5 J	1560	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7990	7590	7250	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	405	371	375	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.39	8.29	14.8	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9980	10600	11200	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	11.3 J	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 J	< 5.00	< 5.00	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50400	42100	46000	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.81 J	2.04 J	9.24	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79 J	8.16 J	15.8 J	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 1.00 < 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-11	W-11	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R
				Date	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/13/2017	10/12/2017	1/8/2018	4/20/2018	7/13/2018	8/30/2018	10/19/2018	1/10/2019	6/6/2019	10/8/2019	4/8/2020	10/5/2020	4/6/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Naphthalene			ug/L	NA	< 1.00 < 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.96
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	< 10.0 < 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	Chloroform			ug/L	0.58 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020
VOCs	Dibromochloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	1.3	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA	NA	NA	< 1	1.4	1.3	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	11	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	NA	NA	NA	25	39	46	14	15	14	15	5.4
VOCs	Toluene	1000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	1.9	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	2.1	3.1	3.7	1.3	1.4	1.3	1.5	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-11	W-11	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R
				Date	4/5/2023	10/5/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/13/2017	10/12/2017	1/8/2018	4/20/2018	7/13/2018	8/30/2018	10/19/2018	1/10/2019	6/6/2019	10/8/2019	4/8/2020	10/5/2020	4/6/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14
				Date	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	10/5/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/25/2019
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0 ##	0 ##	1.93 #	NA	4.16 #	2.95 #	0 ##	0 ##	NA	3.66	0 ##	1.88 #	2.36 #	1.31 #	1.21 #	1.74 #	2.29	1.03 #	0 ##	2.82	2.42 #	1.62 #	NA	0.0847 #	3.07 #
Radiological	Beta particles	50	*	pCi/L	70.7	53.5	48.9	NA	NA	33.6	3.56 #	8.20	NA	14.5	5.83	1.54 #	5.18	8.10	1.21 #	0 ##	8.34	2.06 #	8.82	7.73	10.0	4.97	NA	1.85 #	11.3
Radiological	Tritium			pCi/L	176 #	0 ##	152 #	NA	96.2 #	2.03 #	0 ##	0 ##	NA	0 ##	0 ##	0 ##	58.8 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	126	72.0	105	NA	70.1	81.9	0 ##	0 ##	NA	40.0 #	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.11 #
Radiological	Uranium-233/234			pCi/L	0.195 #	0.00291 #	NA	NA	0.275	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.374 #
Radiological	Uranium-235/236			pCi/L	0.151	0 #	NA	NA	0.153	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0801 #
Radiological	Uranium-238			pCi/L	0.122	0.0961 #	NA	NA	0.139 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0790 #
Radiological	Percent Uranium-235			%	16.1	0 #	NA	NA	14.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.158 J	0.131 J	0.108 J	NA	0.154 J	0.277	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.104 J
Radiological	Total Uranium Isotopes	30		ug/L	0.158 J	0.131 J	0.108 J	NA	0.154 J	0.277	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.104 J
Chemical	Fluoride	4		mg/L	10.8	9.2	NA	8.9	7.3	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	18	16	19	NA	17	18	3.3	NA	2.4	0.46	3.4	2.7	1.6	1.9	3.8	3.6	2	2.9	2.4	2.7	2.3	2.4	NA	3.3	0.5
Chemical	Ammonia as N			mg/L	38.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14
				Date	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	10/5/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/25/2019
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	0.68 J	0.62 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Tetrachloroethene	5		ug/L	27	21	30	NA	28	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	35	9.9
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Trichloroethene	5		ug/L	2.5	2.2	2.7	NA	2.6	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6	5.3	2.1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-13R	W-13R	W-13R	W-13R	W-13R	W-13R	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14
				Date	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	10/5/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/25/2019
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15
				Date	10/18/2019	4/22/2020	10/19/2020	4/15/2021	10/18/2021	4/14/2022	10/17/2022	1/5/2023	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/13/2017	10/13/2017	1/12/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																							
Radiological	Alpha particles	15	*	pCi/L	4.27	4.99	2.97 #	2.66 #	3.06 #	5.33	NA	NA	NA	NA	4.55	3.05	NA	1.48 #	2.08 #	1.15 #	0 ##	3.80 #	2.59	9.76	8.08	8.24	1.41 #	8.49	5.03
Radiological	Beta particles	50	*	pCi/L	35.6	15.4	10.6	13.7	9.79	9.59	NA	NA	NA	NA	202	168	NA	199	157	189	178	220	143	75.7	165	175	185	224	174
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81.7 #	0 ##	NA	0 ##	33.6 #	127 #	156 #	40.3 #	14.7 #	0 ##	346 #	0 ##	0 ##	134 #	99.3 #
Radiological	Technetium-99	900		pCi/L	0 ##	0.611 #	0.963 #	0 ##	0.299 #	0 ##	2.02 #	NA	3.69 #	2.16 #	308	242	NA	182 #	229	254	256	445	371	284	NA	276	295	321	255
Radiological	Uranium-233/234			pCi/L	0.0696 #	0.532	NA	0.156 #	0 ##	0.0690 #	NA	NA	0.320 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0 ##	0.110 #	NA	0 ##	0 ##	0 ##	NA	NA	0.0509 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0.139 #	0.467	NA	0.0904 #	0.00371 #	0 ##	NA	NA	0.275	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	0.368	0.36	0.178 J	0.203	0.221	0.242	0.251	NA	0.342	0.301	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	0.368	0.36	0.178 J	0.203	0.221	0	0.251	NA	0.342	0.301	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	0.079	0.083	0.025 J	0.0790 J	0.067 J	< 0.10	NA	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	0.061	0.11	1	0.25	0.39	0.16	0.22	NA	0.071	0.15	12	NA	26	24	21	26	24	26	27	28	29	29	27	29	34
Chemical	Ammonia as N			mg/L	4.26	4.27	2.88	3.04	4.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	799	687	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	66000	56700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	1.94 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	24	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	11900	14500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	18900	15300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	3440	2930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	2.07 J	3.09 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	17500	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	6.14 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	15700	12400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	11.5 J	8.06 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2-Chlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	2-Methylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	2-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	2-Nitrophenol			ug/L	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	3-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	4-Chloroaniline			ug/L	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	4-Methylphenol			ug/L	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	4-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
SVOCs	Acenaphthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Acenaphthylene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Acetophenone			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Atrazine	3		ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Benzaldehyde			ug/L	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00 < 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15
					Date	10/18/2019	4/22/2020	10/19/2020	4/15/2021	10/18/2021	4/14/2022	10/17/2022	1/5/2023	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/13/2017	10/13/2017	1/12/2018
					Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																										
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Caprolactam			ug/L	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA
SVOCs	Carbazole			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Chrysene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Dibenzofuran			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Fluorene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
SVOCs	Hexachloroethane			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Isophorone			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Naphthalene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 1.00 < 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Nitrobenzene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	< 0.98	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Phenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA
SVOCs	Pyrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0 < 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Bromoform			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA
VOCs	Chloroform			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	NA	0.58 J	0.48 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	2.6	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Tetrachloroethene	5		ug/L	1.1	4.8	12	2.6	2.8	1.4	1.4	NA	1.3	0.57 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	30	NA
VOCs	Toluene	1000		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	1.3	2.1	< 1.0	1.1	< 1.0	0.6 J	NA	0.70 J	0.67 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	3.6	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-14	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15
				Date	10/18/2019	4/22/2020	10/19/2020	4/15/2021	10/18/2021	4/14/2022	10/17/2022	1/5/2023	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/13/2017	10/13/2017	1/12/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16
				Date	4/17/2018	7/12/2018	8/30/2018	10/17/2018	1/23/2019	6/4/2019	10/21/2019	4/21/2020	10/16/2020	4/15/2021	10/19/2021	4/14/2022	10/17/2022	4/13/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	8.79	3.92 #	NA	2.19 #	4.81	3.33 #	0 ##	8.12	13.0	3.99	1.06 #	2.50 #	NA	6.76	2.84 #	3.99 #	1.16 #	NA	3.59	4.59	0.0310 #	4.45 #	3.58	5.17	7.10
Radiological	Beta particles	50	*	pCi/L	181	180	NA	195	146	186	174	114	162	128	114	104	125	84.6	121	19.6	14.1	NA	15.7	21.0	21.4	19.7	23.5	21.4	18.0
Radiological	Tritium			pCi/L	54.2 #	0 ##	NA	0 ##	0 ##	0 ##	0 ##	50.2 #	0 ##	0 ##	104 #	0 ##	0 ##	164 #	0 ##	337 #	96.2 #	NA	0 ##	0 ##	11.8 #	157 #	128 #	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	261	264	NA	265	233	281	253	219	238	213	221	206	231	185	186	0 ##	0 ##	NA	0 ##	0 ##	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	0.149 #	0.271 #	0.0108 #	0 ##	NA	0 ##	0 ##	0.302	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	0.0456 #	0.0242 #	0.162 #	0 ##	NA	0 #	0.0538 #	0.0896 #	NA	0.0689 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	0.111 #	0.0754 #	0.0531 #	0 ##	NA	0 ##	0 ##	0.127	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	< 0.200	< 0.200	0.103 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	< 0.200	< 0.200	0.103 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	1.88	2.28	1.96	2.19	2.12	2.3	1.9	1.8	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	45	44	NA	44	49	44	35	36	40	30	39	32	45	45	49	2.7	NA	2.7	2.6	3.4	2.7	2.5	3.9	3.7	2.9
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	12.6	14.7	12.8	9.55	0.487	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	75 J	132 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	8.62 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	304	283	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	23700	20900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	< 10.0	1.15 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	4.38 J	5.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	9330	8040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	230	276	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	< 0.200	0.145 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	5.84	6.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	8550	7020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	38900	40400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	2.03 J	1.97 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	10.7 J	14.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16
				Date	4/17/2018	7/12/2018	8/30/2018	10/17/2018	1/23/2019	6/4/2019	10/21/2019	4/21/2020	10/16/2020	4/15/2021	10/19/2021	4/14/2022	10/17/2022	4/13/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	1.8	1.2	< 1	1.2	1.3	< 1	1.5	< 1.0	1.1	1.0	1	0.93 J	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	19	11	8.4	13	12	7.2	12	7.2	10	8.5	8.3	8.7	9.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	2.4	2	1.6	2.3	2.0	1.4	2.2	1.4	1.9	1.7	1.4	1.7	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-15	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16
				Date	4/17/2018	7/12/2018	8/30/2018	10/17/2018	1/23/2019	6/4/2019	10/21/2019	4/21/2020	10/16/2020	4/15/2021	10/19/2021	4/14/2022	10/17/2022	4/13/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-17	W-17	W-17	W-17	W-17	W-17	W-17
				Date	4/5/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/12/2018	10/18/2018	1/28/2019	6/4/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/10/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																							
Radiological	Alpha particles	15	*	pCi/L	0.0414 #	2.03 #	2.02 #	3.59	1.27 #	3.84 #	0 ##	5.21	3.85 #	0.421 #	1.86 #	4.81 #	0.459 #	2.42 #	2.69 #	1.64 #	0.278 #	1.18 #	1.87	0.749 #	NA	1.38 #	0.447 #	10.2	0.514 #
Radiological	Beta particles	50	*	pCi/L	13.0	22.1	16.5	19.8	12.2	16.2	17.2	15.4	18.3	10.6	14.4	11.9	9.35	16.9	12.2	13.7	13.2	13.6	470	511	NA	477	462	592	396
Radiological	Tritium			pCi/L	52.8 #	0 ##	0 ##	232 #	0 ##	0 ##	0 ##	117 #	0 ##	12.8 #	0 ##	0 ##	0 ##	39.0 #	0 ##	0 ##	395 #	192 #	50.2 #	31.0 #	NA	0 ##	0 ##	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	NA	4.93 #	16.4 #	0 ##	6.84	9.26	8.70	7.37	7.82	9.06	8.85	6.00	734	789	NA	663	848	780	1410
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	0 ##	0 ##	0.168 #	0.0631 #	NA	0 ##	0 ##	0.0821 #	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	0.0483 #	0 ##	0.0107 #	0 ##	NA	0 ##	0.0276 #	0.0165 #	NA	0.209 #	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	0.0802 #	0.0891 #	0.0718 #	0 ##	NA	0 ##	0.00235 #	0.0770	NA	0.107 #	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	< 0.200	0.113 J	0.0846 J	< 0.200	0.0827 J	0.126 J	< 0.200	0.0770 J	0.0691 J	0.216	0.126 J	0.118 J	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	< 0.200	0.113 J	0.0846 J	< 0.200	0.0827 J	0.126 J	< 0.200	0.0770 J	0.0691 J	0.216	0.126 J	0.118 J	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.5	8.92	7.77	8.44	7.35	9.8	1.6	6.5	8.1	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	3	3.9	4.2	3.5	4.6	4.5	4.6	3	3.8	3.2	2.5	2.6	3.3	2.0	2.6	0.76	2.5	1.8	13	NA	17	12	13	15	NA
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.3	16	15.4	10.7	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	827	926	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	135	125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.28 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.73 J	13.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	12500	12100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.32 J	3.84 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	164	208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	4230	4070	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	427	358	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.072 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.08 J	3.93 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	12900	11300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	20000	18200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.69 J	2.45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.1 J	42.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-17	W-17	W-17	W-17	W-17	W-17	W-17
				Date	4/5/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/12/2018	10/18/2018	1/28/2019	6/4/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/10/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.96	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	2.6	NA	NA	NA	3.2	1.2	1.5	1.5	1.3	1.1	< 1.0	< 1.0	< 1.0	0.49 J	< 1.0	0.43 J	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	12	NA	NA	NA	11	6.4	9.6	7.8	5.6	4.8	4.1	3.1	2.6	2.4	2.4	2.0	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	3	NA	NA	NA	2.9	1.7	2.4	2.2	1.7	1.5	1.4	1.1	< 1.0	0.75 J	0.77 J	0.66 J	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-16	W-17	W-17	W-17	W-17	W-17	W-17	W-17
				Date	4/5/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/12/2018	10/18/2018	1/28/2019	6/4/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/10/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-18R	W-18R	W-18R
				Date	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/2/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/25/2019	10/21/2019	4/20/2020	10/9/2020	4/13/2021	10/12/2021	4/7/2022	10/11/2022	10/11/2022	1/5/2023	4/17/2023	10/16/2023	7/8/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	0.705 #	2.86 #	15.5	0.114 #	3.45	1.36 #	2.16 #	NA	NA	NA	NA	NA	2.62 #	9.55 #	0.995 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	254	308	538	210	537	331	514	219	NA	NA	NA	NA	NA	228	157	180
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	212 #	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	348	476	820	429	887	851	719	505	300	518	NA	189	662	551	314	341
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.121 #	0.209 #	0.249 #	NA	0.0740 #	0.222 #	0.480	NA	NA	NA	0.130 #	NA	NA	2.76	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.146 #	0.0726 #	0 #	NA	0 #	0.105 #	0.0264 #	NA	NA	NA	0.0843 #	NA	NA	0.301	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.107 #	0.0507 #	0 ##	NA	0.0923 #	0.117 #	0.227 #	NA	NA	NA	0.214	NA	NA	2.34	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	NA	NA	0	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.157 J	0.0939 J	0.0855 J	0.121 J	0.0871 J	0.103 J	0.122 J	0.314	0.125 J	0.151 J	NA	0.274	0.128 J	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.157 J	0.0939 J	0.0855 J	0.121 J	0.0871 J	0.103 J	0.122 J	0.314	0.125 J	0.151 J	NA	0.274	0.128 J	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.22	2.55	1.85	2.20	1.9	3.0	NA	2.2	3.7	3.2	2.8	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	15	16	15	16	16	16	18	16	14	4.5	12	16	13	19	16	17	16	13	14	NA	11	14	NA	NA	NA
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79	8.97	6.57	4.92	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	164	163	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16300	17000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.53	6.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5030	5420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282	227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.082 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.33	8.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7440	6990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35000	35100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.37	8.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29	21.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-18R	W-18R	W-18R
				Date	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/2/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/25/2019	10/21/2019	4/20/2020	10/9/2020	4/13/2021	10/12/2021	4/7/2022	10/11/2022	10/11/2022	1/5/2023	4/17/2023	10/16/2023	7/8/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	1.1	< 1.0	1.2	< 1.0	1.1	1.2	NA	< 1.0	1.5	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	1.7	4.3	2	5.2	4.7	6.1	4.0	6.7	6.4	NA	1.9	6.0	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	1.1	1.0	1.3	< 1.0	1.4	1.3	NA	0.61 J	1.3	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-17	W-18R	W-18R	W-18R
				Date	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/2/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/25/2019	10/21/2019	4/20/2020	10/9/2020	4/13/2021	10/12/2021	4/7/2022	10/11/2022	10/11/2022	1/5/2023	4/17/2023	10/16/2023	7/8/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-19B	W-19B	W-19B	W-19B	W-19B
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/7/2020	10/9/2020	4/13/2021	10/8/2021	4/7/2022	10/7/2022	1/5/2023	4/17/2023	10/16/2023	8/30/2018	10/3/2018	10/4/2018	11/4/2018	1/23/2019
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	21.4	1.50 #	21.2	18.9	26.5	9.77	14.3	6.79 #	9.79 #	8.00 #	16.5	13.2	20.9	6.06 #	2.88 #	NA	7.15	3.29 #	1.32 #	NA	NA	0 ##	4.23
Radiological	Beta particles	50	*	pCi/L	NA	NA	207	153	191	183	211	172	131	124	150	73.6	124	54.7	49.3	66.1	61.1	NA	56.9	101	3.45	NA	NA	0 ##	0.0395 #
Radiological	Tritium			pCi/L	NA	NA	27.3 #	0 ##	0 ##	368 #	0 ##	217 #	14.9 #	0 ##	210 #	0 ##	0 ##	0 ##	148 #	0 ##	0 ##	NA	316 #	340 #	348 #	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	355	NA	NA	384	208	168	214	295	243	175	143	85.8	110	NA	138	162	NA	NA	NA	0 ##	0 ##
Radiological	Uranium-233/234			pCi/L	NA	NA	3.45	5.17	3.78	4.20	3.89	NA	1.85	4.62	1.53	2.12	2.59	3.83	1.37	0.770	NA	NA	1.33	NA	NA	NA	NA	0.131 #	0.525
Radiological	Uranium-235/236			pCi/L	NA	NA	0.139 #	0.328 #	0.438 #	0.446	0.325 #	NA	0.247 #	0.528	0.266	0.0757 #	0.277	0.306	0 ##	0.116 #	NA	NA	0.186	NA	NA	NA	NA	0.0261 #	0.138
Radiological	Uranium-238			pCi/L	NA	NA	2.57	2.46	3.09	2.24	2.25	NA	1.19	2.07	1.17	1.41	1.29	1.44	1.15	0.872	NA	NA	0.842	NA	NA	NA	NA	0.0423 #	0.297
Radiological	Percent Uranium-235			%	NA	NA	0 #	0 #	0 #	3.00	0 #	NA	0 #	3.81	3.41	0 #	3.23	3.20	0 #	0 #	NA	NA	3.32	NA	NA	NA	NA	0 #	6.73
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0453 J	0.062 J	0.035 J	0.05 J	0.0498 J	0.0720	0.0240 J	0.0214 J	0.0318 J	NA	0.0211 J	0.0202 J	NA	NA	NA	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	4.42	5.03	4.06	4.32	4.26	4.25	2.70	2.31	2.52	NA	2.09	1.96	NA	NA	NA	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	4.47	5.09	4.10	4.37	4.31	4.33	2.72	2.33	2.55	NA	2.11	1.98	NA	NA	NA	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.34	4.6	5.92	4.89	6.76	5.4	NA	5.0	5.1	6.5	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	1100	1100	NA	NA	NA	NA	NA	840	710	750	770	790	660	470	550	340	380	NA	350	350	4.1	NA	NA	4.3	3.8
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	126	55	17.8	58.5	77.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	79.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	9.95 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	713	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.94 J	1.31 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	222000	208000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.68 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.16 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	6.85 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36000	33000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	229	312	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	8.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11400	11400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.7 J	36.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	948000	896000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.59	7.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.4	57.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	20	< 4	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-19B	W-19B	W-19B	W-19B	W-19B
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/7/2020	10/9/2020	4/13/2021	10/8/2021	4/7/2022	10/7/2022	1/5/2023	4/17/2023	10/16/2023	8/30/2018	10/3/2018	10/4/2018	11/4/2018	1/23/2019
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	21	< 8	< 8
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	< 20
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2	< 2	NA	< 5	< 2
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2	< 2	NA	< 5	< 2
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.6	1.4	1.9	1.4	1.3	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.44 J	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2	< 2	NA	< 5	< 2
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	NA	NA	< 5	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	< 1
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	2.8	2.2	3.5	3.4	3.4	2.3	1.9	1.7	1.7	NA	1.6	1.5	110	83	NA	120	92
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	< 5	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	2.2	1.7	NA	< 5	1.9

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-18R	W-19B	W-19B	W-19B	W-19B	W-19B
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/7/2020	10/9/2020	4/13/2021	10/8/2021	4/7/2022	10/7/2022	1/5/2023	4/17/2023	10/16/2023	8/30/2018	10/3/2018	10/4/2018	11/4/2018	1/23/2019
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 2	< 1
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	NA	< 5	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20
				Date	10/21/2019	4/17/2020	4/17/2020	10/20/2020	4/20/2021	4/20/2021	10/20/2021	4/19/2022	10/18/2022	4/17/2023	4/17/2023	10/16/2023	1/21/2015	4/16/2015	7/16/2015	10/19/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/5/2017	7/12/2017	10/3/2017	1/15/2018
				Type	N	N	FD	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	2.26 #	1.20 #	0.569 #	1.06 #	1.58 #	0 ##	2.63	0.928 #	NA	NA	NA	NA	0.369 #	0 ##	0.255 #	0.851 #	0.599 #	0.491 #	1.66 #	0.0259 #	3.15 #	1.79	8.69	2.64 #	1.59
Radiological	Beta particles	50	*	pCi/L	0 ##	4.24 #	0 ##	0.801 #	1.02 #	3.35	0 ##	3.83 #	NA	NA	NA	NA	0.724 #	2.04 #	1.72 #	2.60 #	2.12 #	2.16 #	1.82 #	1.42 #	1.79 #	3.32	3.25	6.07	4.16
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.2 #	306 #	19.7 #	0 ##	312 #	54.4 #	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0 ##	0.329 #	0 ##	0 ##	1.70 #	2.05 #	3.61	0 ##	0 ##	2.03 #	5.19 #	0 ##	32.4 #	4.11 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	0.197 #	0 ##	0.0200 #	NA	0 ##	0 ##	0.0812 #	0 ##	NA	0.137 #	0.0954 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0.125 #	0.0238 #	0 ##	NA	0 ##	0 #	0.0699 #	0.00869 #	NA	0.0506 #	0.0503 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0.0559 #	0 ##	0.0337 #	NA	0 ##	0 ##	0.0976 #	0.0392 #	NA	0.0262 #	0.0464 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	0.019	0.01	0.006	< 0.1	0.0150 J	0.0100 J	0.015 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	3.8	4.2	3.9	3.9	3.4	3.8	3.7	3.6	3.6	3.1	3.1	3.2	0.058	0.051	0.024	0.042	0.068	0.16	0.1	0.032	< 0.02	0.025	0.13	0.12	0.051
Chemical	Ammonia as N			mg/L	0.0146	0.0168	0.0459	0.0286 J	0.0567 J	0.0176 J	0.0131 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	< 200	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	5.32 J	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	84.8	82.7	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	4330	4770	4890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	2.27 J	2.21 J	2.04 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	< 5.00	1.41 J	1.32 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	1520	1590	1660	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	< 10.0	< 10.0	2.29 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	< 0.200	0.08 J	0.085 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	1.95 J	1.51 J	1.88 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	1510	1480	1390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	< 5.00	1.14 J	1.17 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	7420	7420	7400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	7 J	7.56 J	9.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8.0	< 8	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8.0	< 8	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8.0	< 8	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8.0	< 8	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4.0	< 4	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8.0	< 8	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8.0	< 8	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4.0	< 4	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8.0	< 8	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8.0	< 8	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20
				Date	10/21/2019	4/17/2020	4/17/2020	10/20/2020	4/20/2021	4/20/2021	10/20/2021	4/19/2022	10/18/2022	4/17/2023	4/17/2023	10/16/2023	1/21/2015	4/16/2015	7/16/2015	10/19/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/5/2017	7/12/2017	10/3/2017	1/15/2018
				Type	N	N	FD	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8.0	< 8	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	< 1.0	< 0.94	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	< 4.0	< 4	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	0.025	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	< 0.019	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	150	130	130	120	97	93	89	75	68	44	48	73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	2.5	2.3	2.4	2	1.7	1.7	1.6	1.5	1.1	0.76 J	0.85 J	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-19B	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20
				Date	10/21/2019	4/17/2020	4/17/2020	10/20/2020	4/20/2021	4/20/2021	10/20/2021	4/19/2022	10/18/2022	4/17/2023	4/17/2023	10/16/2023	1/21/2015	4/16/2015	7/16/2015	10/19/2015	1/20/2016	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/5/2017	7/12/2017	10/3/2017	1/15/2018
				Type	N	N	FD	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22
				Date	4/22/2018	7/15/2018	8/30/2018	10/30/2018	10/30/2018	1/29/2019	10/15/2019	4/27/2020	10/13/2020	4/22/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	1.25 #	1.39	NA	0 ##	0.513 #	0.702 #	0.912 #	1.35 #	1.45	2.27 #	0.485 #	0 ##	NA	NA	NA	7.25	2.10 #	5.75	2.07 #	0.0773 #	0 ##	1.85 #	NA	3.77 #	0 ##
Radiological	Beta particles	50	*	pCi/L	4.34 #	0.644 #	NA	1.34 #	1.09 #	1.00 #	3.22 #	3.53 #	3.29 #	2.46 #	0 ##	0.133 #	NA	NA	NA	48.1	37.4	42.5	20.3	40.6	42.3	51.1	NA	59.0	42.2
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175 #	0 ##	0 ##	0 ##	242 #	116 #	61.4 #	NA	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	0 ##	0 ##	0 ##	1.99 #	1.17 #	0 ##	0 ##	0.168 #	7.45	2.40 #	29.0 #	4.10 #	4.39 #	101 #	NA	NA	168 #	NA	105	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	0.0829 #	0.0228 #	0 ##	NA	0 ##	0 ##	0 ##	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	0.0526 #	0.0276 #	0.00993 #	NA	0 ##	0 ##	0 ##	NA	0.0264 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	0.196 #	0.0995 #	0.0323 #	NA	0 ##	0 ##	0.00111 #	NA	0.0213 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0831 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0831 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	0.077	0.03	0.023 J	0.0300 J	0.042 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	0.065	0.049	NA	< 0.02	< 0.02	0.035	< 0.020	0.045	< 0.020	< 0.020	0.042	< 0.020	< 0.020	< 0.020	< 0.020	64	150	170	30	250	120	160	48	NA	NA
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	0.0632	0.0266	0.0327 J	0.171	0.0427 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	181	149	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	9740	8070	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	3.69 J	2.37 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	229	373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	6900	4820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	420	357	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	2.29 J	2.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	666	327	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	8600	7260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	7.63 J	7.45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22
				Date	4/22/2018	7/15/2018	8/30/2018	10/30/2018	10/30/2018	1/29/2019	10/15/2019	4/27/2020	10/13/2020	4/22/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	0.45	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	< 2	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	< 2	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	< 2	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	< 5	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-20	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22
				Date	4/22/2018	7/15/2018	8/30/2018	10/30/2018	10/30/2018	1/29/2019	10/15/2019	4/27/2020	10/13/2020	4/22/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	< 1	< 2	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	< 1	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-23R	W-23R	W-23R
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	1/22/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	4/11/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	26.8	10.2	10.1	8.32	9.93	9.77	14.2	1.34 #	NA	4.16 #	2.92 #	3.52	1.17 #	1.68 #	8.55	1.01 #	4.15 #	NA	1.40 #	4.27	1.29 #	1.18 #	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	130	79.9	77.4	73.7	106	92.3	77.9	17.1	NA	18.2	29.6	14.9	21.5	19.0	24.5	19.3	12.2	NA	9.27	24.9	0.302 #	0.462 #	NA
Radiological	Tritium			pCi/L	NA	NA	41.7 #	109 #	0 ##	0 ##	87.8 #	0 ##	321 #	74.3 #	NA	0 ##	115 #	62.4 #	0 ##	94.2 #	0 ##	0 ##	0 ##	NA	233 #	26.3 #	81.7 #	0 ##	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	98.7	129	140	128	110	NA	NA	14.9 #	57.4	20.1	27.9	26.3	31.1	29.3	22.4	NA	9.13	35.5	5.46 #	0 ##	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	5.20	NA	NA	NA	NA	NA	NA	NA	NA	1.18	0.905	0.420	NA	0.927	0.727	0.644	NA	NA	0.395	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	0.251 #	NA	NA	NA	NA	NA	NA	NA	NA	0.437	0.136 #	0.0932 #	NA	0.0249 #	0.220 #	0 ##	NA	NA	0 ##	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	1.79	NA	NA	NA	NA	NA	NA	NA	NA	0.672	0.322	0.124 #	NA	0.0993 #	0.302	0.316	NA	NA	0.219	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	9.18	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	0 #	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0128 J	NA	0.0138 J	0.0177 J	0.0108 J	0.0141 J	0.0125 J	0.0144 J	0.0116 J	0.0115 J	NA	< 0.0700	0.0114 J	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.698	NA	0.696	0.854	0.599	0.723	0.606	0.793	0.650	0.594	NA	0.411	0.460	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.711	NA	0.71	0.872	0.61	0.737	0.619	0.807	0.662	0.606	NA	0.411	0.471	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.52	3.63	4.48	4.10	5.61	6.0	NA	4.1	2.8	5.8	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	180	150	110	300	96	140	130	150	85	71	59	NA	100	50	82	57	72	71	58	NA	15	83	0.31	NA	0.55
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	61.8	16	36.6	24.3	45.9	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1610	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	13.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46.3	83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.76 J	1.37 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	55300	28200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.07 J	1.06 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.89	4.09 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.8 J	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.06 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9890	5610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1280	657	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.4	5.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7030	4430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.61 J	11.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	159000	76900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.92 J	1.02 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	30.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-23R	W-23R	W-23R
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	1/22/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	4/11/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	0.66 J	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	0.43 J	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-22	W-23R	W-23R	W-23R
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	1/22/2019	10/7/2019	4/7/2020	10/8/2020	4/15/2021	10/8/2021	4/4/2022	10/7/2022	1/5/2023	4/11/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R
				Date	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/28/2019	10/18/2019	4/21/2020	10/19/2020	##########	4/14/2021	10/18/2021	4/13/2022	10/17/2022	4/10/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.134 #	0 ##	0.645 #	0.907 #	3.00 #	16.5	42.2	4.13	18.1	8.15	23.7	10.9	20.7	NA	0.712 #	2.60 #	0 ##	0.307 #	3.55 #	7.16	0 ##	0.635 #	1.81	NA	NA
Radiological	Beta particles	50	*	pCi/L	3.59 #	0.0623 #	2.52 #	0.989 #	0.932 #	9.32	13.3	3.22	7.19	7.45	18.5	8.33	12.6	NA	0.307 #	3.15 #	1.68 #	2.18 #	1.64 #	8.82	0.790 #	0.988 #	10.6	NA	NA
Radiological	Tritium			pCi/L	0 ##	0 ##	182 #	243 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	113 #	12.8 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	0 ##	0 ##	0.946 #	0.866 #	0 ##	0 ##	1.23 #	2.53 #	4.09 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	1.01	0.651	NA	1.43	NA	0.670 #	NA	1.02	NA	NA	0.150 #	0.0833 #	0 ##	NA	NA	0 ##	0 ##	0.838	NA	0.254 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	0.0651 #	0.213 #	NA	0.228 #	NA	0.451 #	NA	0.591	NA	NA	0.0640 #	0 ##	0.0770 #	NA	NA	0 ##	0.0323 #	0.0727 #	NA	0.0530 #
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	0.366 #	0.618	NA	1.13	NA	0.181 #	NA	0.801	NA	NA	0.113 #	0.0221 #	0.0184 #	NA	NA	0.0426 #	0.0357 #	0.555	NA	0.150 #
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	0 #	0 #	NA	0 #	NA	0 #	NA	10.3	NA	NA	0 #	0 #	0 #	NA	NA	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.201	< 0.200	0.164 J	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.201	< 0.200	0	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.017	0.022	< 0.1	< 0.1	0.0250 J	0.029 J	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	0.5	0.43	0.74	0.88	0.92	1.2	0.45	0.43	1	0.77	0.49	0.45	0.19	NA	NA	1.2	0.71	0.88	0.79	0.78	0.65	0.67	0.57	0.57	0.68
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0154	0.0292	0.024 J	0.0491 J	0.0193 J	0.0495 J	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.8	59	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1380	1610	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.96 J	2.54 J	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.37 J	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	852	971	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36 J	7.97 J	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.075 J	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.83 J	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	645	578	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.25 J	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8150	8350	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.69 J	5.38 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R
				Date	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/28/2019	10/18/2019	4/21/2020	10/19/2020	##########	4/14/2021	10/18/2021	4/13/2022	10/17/2022	4/10/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 0.96	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.019	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.019	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R	W-23R
				Date	7/10/2015	10/13/2015	1/18/2016	4/18/2016	7/12/2016	10/13/2016	1/13/2017	4/5/2017	7/11/2017	10/3/2017	1/12/2018	4/17/2018	7/12/2018	8/30/2018	10/18/2018	1/28/2019	10/18/2019	4/21/2020	10/19/2020	##########	4/14/2021	10/18/2021	4/13/2022	10/17/2022	4/10/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24
				Date	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/15/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/25/2019	10/11/2019	4/22/2020	10/22/2020	4/23/2021	4/23/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	1.08 #	0.763 #	NA	0.712 #	0 ##	0.618 #	0 ##	1.37 #	11.2	1.56 #	4.45	10.1	0.786 #	7.44	4.84	4.43	0.270 #	0 ##	0 ##	0.684 #	1.51 #	0.118 #	0.190 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	2.53 #	13.0	NA	1.97 #	2.43 #	0.331 #	1.72 #	4.16	5.45	1.70 #	2.59	7.70	2.98	6.88	2.24 #	3.18 #	0.398 #	0.517 #	2.51 #	4.54	9.76	0.365 #	1.96 #
Radiological	Tritium			pCi/L	NA	NA	164 #	0 ##	NA	0 ##	0 ##	0 ##	42.8 #	288 #	0 ##	0 ##	0 ##	0 ##	0 ##	56.8 #	0 ##	0 ##	65.7 #	0 ##	67.8 #	0 ##	9.11 #	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	1.34 #	2.83 #	27.4 #	0 ##	NA	0 ##	18.7 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	13.0 #	0.432 #	0.536 #	1.99 #	1.33 #
Radiological	Uranium-233/234			pCi/L	0.0148 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.128 #	0.136 #	0.0281 #	NA	0 ##	0 ##
Radiological	Uranium-235/236			pCi/L	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0898 #	0.0816 #	0.0190 #	NA	0.0503 #	0 ##
Radiological	Uranium-238			pCi/L	0.0795 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0983 #	0.0660 #	0 ##	NA	0.0407 #	0.0522 #
Radiological	Percent Uranium-235			%	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025	0.024	0.004 J	NA	NA
Chemical	Nitrate as N	10		mg/L	0.66	0.75	0.058	NA	0.054	0.024	0.025	0.11	0.19	0.24	0.045	0.074	0.025	0.12	0.11	< 0.02	0.033	0.02	0.042	0.13	< 0.020	< 0.02	< 0.020	< 0.020	< 0.020
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0283	0.0313	0.0332 J	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	97.6 J	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.1	11.7	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4310	3880	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.12 J	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	626	395	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2260	2020	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.37 J	2.26 J	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	934	730	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2420	1710	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.23 J	< 20.0	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24
				Date	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/15/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/25/2019	10/11/2019	4/22/2020	10/22/2020	4/23/2021	4/23/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Naphthalene			ug/L	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.020
VOCs	Dibromochloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.020
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-23R	W-23R	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24
				Date	4/10/2023	10/23/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/15/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/13/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/25/2019	10/11/2019	4/22/2020	10/22/2020	4/23/2021	4/23/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-26	W-26	W-26	W-26	W-26	W-26	W-26
				Date	6/9/2021	6/9/2021	10/21/2021	4/20/2022	10/21/2022	4/18/2023	10/23/2023	1/30/2019	10/16/2019	4/27/2020	10/27/2020	4/22/2021	10/26/2021	4/21/2022	10/21/2022	4/21/2023	10/24/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	2.51 #	0	0.283 #	2.64 #	0.600 #	3.58 #	10.1	0.271 #	1.54 #	2.58 #	0.419 #	0.597	NA	NA	NA	0 ##	0.569 #	1.12 #	1.03 #	1.84 #	0 ##	0 ##	0.234 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	12.2	2.03 #	1.17 #	56.1	3.12 #	5.32	7.27	2.82 #	8.68	5.69	0.964 #	2.96 #	NA	NA	NA	11.6	0 ##	12.5	7.90	10.6	12.5	8.00	7.29
Radiological	Tritium			pCi/L	NA	NA	39.3 #	150 #	151 #	201 #	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.07 #	18.6 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	0 ##	0 ##	0 ##	0.311 #	2.73 #	0 ##	0 ##	0 ##	2.82 #	0.358 #	0 ##	0 ##	0 ##	0 ##	1.59 #	0 ##	38.7 #	0 ##	83.8 #	33.8 #	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	0 ##	0.217 #	NA	0.186 #	NA	0.640	0.195 #	0 ##	NA	0 ##	0 ##	0 ##	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	0 ##	0.0253 #	NA	0.00994 #	NA	0.0794 #	0.0748 #	0 ##	NA	0 #	0 ##	0.0707 #	NA	0.120 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	0.0168 #	0.136 #	NA	0.0367 #	NA	0.466	0.269	0 ##	NA	0 ##	0.0224 #	0 ##	NA	0.0785 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.419	0.295	0.0841 J	0.0826 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.419	0.295	0.0841 J	0.0826 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	< 0.1	0.00100 J	0.025 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	0.126	0.106	0.138	0.0990 J	0.091 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	NA	NA	< 0.020	0.099	0.022	0.020	< 0.020	< 0.02	0.067	< 0.02	0.069	< 0.020	0.10	0.063	0.17	0.22	0.043	2.9	2.9	2.7	2.7	2.8	3	2.8	2.7
Chemical	Ammonia as N			mg/L	0.0133 J	0.0262 J	0.0398 J	NA	NA	NA	NA	NA	1.91	0.715	0.807	0.217	0.249	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	486	199 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	4.52 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	94	77.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	12600	19600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.95 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.04 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	19700	9690	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	4.1 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	5040	4240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	272	516	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.82 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	2500	2690	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.56 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	8090	6100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	9.28	4.07 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	16 J	3.95 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	< 1.00	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26
				Date	6/9/2021	6/9/2021	10/21/2021	4/20/2022	10/21/2022	4/18/2023	10/23/2023	1/30/2019	10/16/2019	4/27/2020	10/27/2020	4/22/2021	10/26/2021	4/21/2022	10/21/2022	4/21/2023	10/24/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 11
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	90	< 26
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 1.00	< 0.8	< 0.80	< 0.8	< 0.16	1.0	NA	NA	NA	NA	< 1.00	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 26
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.2	< 5	< 5	< 5	NA	< 5	< 5	< 5.3
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	< 20	< 20	< 25.0	< 20	NA	< 100	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Bromodichloromethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Bromoform			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Bromomethane			ug/L	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 10	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2
VOCs	2-Butanone			ug/L	NA	NA	< 10	< 10	< 5.0	< 10	NA	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Chlorobenzene	100		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Chloroethane			ug/L	NA	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 10	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2
VOCs	Chloroform			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Chloromethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2
VOCs	Cyclohexane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,1-Dichloroethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 10	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1	1	1.8	NA	< 1	1.6	2.8
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5
VOCs	Ethylbenzene	700		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	2-Hexanone			ug/L	NA	NA	< 10	< 10	< 5.0	< 10	NA	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	< 1.0	< 1.0	< 10.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	< 10	< 10	< 5.0	< 10	NA	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	< 5.0	< 5.0	< 10.0	< 5.0	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	< 1.0	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Tetrachloroethene	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Toluene	1000		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Trichloroethene	5		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-24	W-24	W-24	W-24	W-24	W-24	W-24	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-25	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26
				Date	6/9/2021	6/9/2021	10/21/2021	4/20/2022	10/21/2022	4/18/2023	10/23/2023	1/30/2019	10/16/2019	4/27/2020	10/27/2020	4/22/2021	10/26/2021	4/21/2022	10/21/2022	4/21/2023	10/24/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2
VOCs	Vinyl chloride	2		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2
VOCs	Xylenes, Total	10000		ug/L	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-27	W-27	W-27	W-27	W-27
				Date	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017	1/9/2018	4/10/2018	7/10/2018	10/16/2018	1/24/2019	10/14/2019	4/16/2020	10/19/2020	4/16/2021	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0 ##	2.70 #	1.07 #	1.92 #	9.17	4.13	4.12 #	1.19 #	1.81 #	0.261 #	0.697 #	0.249 #	0 ##	0.543 #	0.684 #	0.933 #	2.11 #	0 ##	6.51	0.837 #	4.42 #	3.42 #	2.43 #	2.17 #	0 ##
Radiological	Beta particles	50	*	pCi/L	5.66	9.84	8.46	11.7	16.4	15.6	12.7	6.87	12.5	13.4	12.5	9.39	5.29	7.92	7.18	7.26	7.37	13.7	72.3	4.71	10.8	16.1	5.42	8.67	6.83
Radiological	Tritium			pCi/L	0 ##	15.0 #	0 ##	0 ##	0 ##	64.4 #	0 ##	12.7 #	0 ##	116 #	38.6 #	0 ##	0.933 #	0 ##	53.1 #	105 #	0 ##	0 ##	349 #	465 #	432 #	0 ##	20.2 #	0 ##	97.5 #
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.0 #	0 ##	6.84	7.57	6.43	6.14	5.60	5.09	7.24	7.90	4.90	63.0 #	16.9 #	26.1 #	66.9 #	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.123 #	0.0497 #	0.0815 #	NA	0.00774 #	0 ##	0.0743 #	0.0240 #	NA	0.0509 #	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0886 #	0.0344 #	0 ##	NA	0.0255 #	0 ##	0.0622 #	0 ##	NA	0.0447 #	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0636 #	0.0381 #	0.0450 #	NA	0.150 #	0 ##	0.137 #	0.0128 #	NA	0.0542	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0947 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0691 J	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0947 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0691 J	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.42	1.53	1.31	1.58	1.53	1.44	2.4	1.8	1.8	2.1	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	3.3	3.3	3.1	3.4	3	2.9	3.6	3.6	3.5	3.3	3.2	2.5	3	3.4	3.0	2.4	2.7	1.4	2.7	2.5	< 0.02	< 0.02	< 0.02	< 0.02	0.024
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.75	1.54	1.67	1.55	0.824	2.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326	277	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.64 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	197	163	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16100	11400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.93 J	3.05 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.81 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5570	3780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	239	146	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.084 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8010	6860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.68 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21300	14700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.26 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	5.12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.18	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 1.00 < 4.0	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-27	W-27	W-27	W-27	W-27
				Date	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017	1/9/2018	4/10/2018	7/10/2018	10/16/2018	1/24/2019	10/14/2019	4/16/2020	10/19/2020	4/16/2021	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	33	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	0.33	< 0.16	< 0.16	0.95	< 1.00 < 0.16	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99	< 0.96	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	2.5	3.5	1.7	1.7	4.1	2.8	1.8	1.6	1.1	< 1	3.7	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-26	W-27	W-27	W-27	W-27	W-27
				Date	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017	1/9/2018	4/10/2018	7/10/2018	10/16/2018	1/24/2019	10/14/2019	4/16/2020	10/19/2020	4/16/2021	4/16/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	1/21/2015	4/16/2015	7/16/2015	10/14/2015	1/20/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27
				Date	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	8/30/2018	10/29/2018	10/29/2018	10/30/2018	11/28/2018	11/28/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	5.53	1.55 #	1.41 #	7.73	5.58	5.07	10.1	5.37	3.77 #	0 ##	NA	NA	0.185 #	2.94 #	4.78	3.93	1.31 #	0 ##	3.64 #	3.98	1.10 #	0 ##	0	NA	NA
Radiological	Beta particles	50	*	pCi/L	8.52	5.46	6.85	8.28	9.02	8.19	7.12	14.3	8.28	10.2	NA	NA	7.06	3.93 #	9.11	8.58	6.18	5.10	10.9	28.8	4.71	5.28	4.35	NA	NA
Radiological	Tritium			pCi/L	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.1 #	20.1 #	17.3 #	2.42 #	3.23 #	1.89 #	3.08 #	3.49 #	3.05	1.86 #	2.03 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0358 #	0.0644 #	0.168 #	0.0588 #	0.00249 #	NA	0 ##	0.0360 #	0 ##	NA	0.0137 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0117 #	0.0364 #	0.0442 #	0.198	0.0456 #	NA	0 ##	0.0765 #	0.0247 #	NA	0 #
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00136 #	0.0124 #	0.107 #	0.171 #	0 ##	NA	0 ##	0.0631 #	0 ##	NA	0.0712 #
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	15.2	0 ##	NA	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.166 J	0.136 J	0.0985 J	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.166 J	0.136 J	0.0985 J	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.97	4.02	3.56	3.19	2.52	3.2	2.9	3.0
Chemical	Nitrate as N	10		mg/L	< 0.02	0.11	0.11	0.031	0.042	0.068	0.068	0.028	0.086	< 0.02	NA	0.02	0.027	NA	0.037	0.041	0.029	< 0.020	0.076	0.072	< 0.020	< 0.020	0.12	0.066	< 0.020
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.29	6.81	7.21	5.44	5.15	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	185	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10700	11600	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.06 J	1.35 J	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29000	27400	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13900	13100	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5370	5630	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3850	3710	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.02 J	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22400	21800	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.96 J	< 20.0	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27
				Date	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	8/30/2018	10/29/2018	10/29/2018	10/30/2018	11/28/2018	11/28/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 5	< 5	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 5	< 5	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 5	< 5	NA	< 5	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	< 5	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27	W-27
				Date	4/21/2016	7/13/2016	10/18/2016	1/16/2017	4/7/2017	7/12/2017	10/3/2017	1/15/2018	4/22/2018	7/15/2018	8/30/2018	10/29/2018	10/29/2018	10/30/2018	11/28/2018	11/28/2018	1/29/2019	10/10/2019	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 2	< 2	NA	< 2	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 5	< 5	NA	< 5	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28
				Date	10/20/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/2/2017	1/8/2018	4/20/2018	7/13/2018	10/23/2018	1/18/2019	4/16/2019	7/11/2019	10/7/2019	2/4/2020	4/3/2020	7/13/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	13.4	NA	3.15 #	3.93	4.19 #	0 ##	5.52	NA	NA	NA	NA	NA	NA	NA	8.02	1.26 #	0 ##	4.36 #	2.25 #	3.14 #	4.57 #	1.78 #	1.96 #
Radiological	Beta particles	50	*	pCi/L	NA	43.4	NA	33.9	19.9	14.1	15.4	17.7	NA	NA	NA	NA	NA	NA	NA	12.4	7.30	7.28	7.69	8.47	8.26	6.09	3.86	6.29
Radiological	Tritium			pCi/L	NA	NA	330 #	0 ##	129 #	0 ##	128 #	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	2.39 #	0 ##	NA	82.5 #	0 ##	44.5 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	6.77 #	7.91 #	20.1 #	0 ##	0 ##	0 ##
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.369	0.875	0.806	0.672	0.828	0.665	0.680
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0893 #	0.0810 #	0.00224 #	0 #	0.0297 #	0 ##	0 ##
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.146 #	0.176 #	0.295	0.119 #	0.143 #	0.0287 #	0.0846 #
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	0 #	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0106 J	< 0.0700	0.013 J	0.0117 J	< 0.070	0.0101 J	0.0136 J	0.017 J
Radiological	Uranium-238			ug/L	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.531	0.456	0.491	0.573	0.429	0.546	0.696	0.877
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.541	0.456	0.504	0.585	0.429	0.556	0.71	0.894
Chemical	Fluoride	4		mg/L	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.45	6.55	5.43	3.48
Chemical	Nitrate as N	10		mg/L	0.026	1.4	NA	5.1	5.2	5.3	3.5	1.7	2.4	3.6	6.3	5.7	6.7	5.3	6.3	5.9	6.2	NA	7.2	7.4	7.4	6.3	8	7	6.6
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.884	0.032 J	0.0355	0.11
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	981	270	205	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	8.44 J	12.1 J	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.1	37.8	45.7	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10500	21800	23800	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.61 J	1.78 J	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.88	1.33 J	< 5.00	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.83 J	< 20.0	< 20.0	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56.3 J	46.2 J	< 100	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.63 J	5.52 J	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	995	1580	1660	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	4.18 J	< 10.0	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	NA	< 0.200	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.72 J	< 5.00	< 5.00	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8120	7400	7790	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	9.47 J	9.93 J	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	137000	76900	73800	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.32 J	1.71 J	1.93 J	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3 J	< 20.0	9.02 J	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 0.8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 0.8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 4
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28
				Date	10/20/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/2/2017	1/8/2018	4/20/2018	7/13/2018	10/23/2018	1/18/2019	4/16/2019	7/11/2019	10/7/2019	2/4/2020	4/3/2020	7/13/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 8	< 4
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Naphthalene			ug/L	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4	< 0.8
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16
SVOCs	Tributylphosphate			ug/L	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2	< 2
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2	< 2
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2	< 2
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	< 5	< 5
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	NA	< 1	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Tetrachloroethene	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 1	< 1
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Trichloroethene	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-27	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28
				Date	10/20/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/6/2017	7/10/2017	10/2/2017	1/8/2018	4/20/2018	7/13/2018	10/23/2018	1/18/2019	4/16/2019	7/11/2019	10/7/2019	2/4/2020	4/3/2020	7/13/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Vinyl chloride	2		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29
				Date	10/7/2020	10/7/2020	10/13/2020	10/13/2020	1/26/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/10/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018
				Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.673 #	1.73 #	NA	NA	1.85 #	1.58 #	7.01	2.81 #	NA	NA	NA	NA	4.92	5.36	6.09	4.89 #	1.56 #	4.41	4.63 #	3.79	11.2	3.89	9.80	7.19	7.23
Radiological	Beta particles	50	*	pCi/L	8.57	4.94	NA	NA	5.83	4.44 #	7.16	6.45	NA	NA	NA	NA	11.0	10.2	8.79	11.5	6.22	8.41	8.46	9.79	4.94	0.947 #	9.68	5.77	9.82
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.72 #	0 ##	68.9 #	0 ##	0 ##	93.4 #	0 ##	153 #	0 ##	0 ##	0 ##	0 ##	0 ##	138 #
Radiological	Technetium-99	900		pCi/L	0 ##	0.201 #	NA	NA	0.0670 #	1.87 #	2.14 #	1.44 #	0 ##	NA	0 ##	1.82 #	0 ##	0 ##	0 ##	55.2 #	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	0.775	1.02	1.89	0.507	NA	NA	1.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	0.0936 #	0.0388 #	0.0987 #	0 ##	NA	NA	0.208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	0.270	0.326	0.472	0.0644 #	NA	NA	0.794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	0 #	0 #	0 #	0 #	NA	NA	3.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	0.0221 J	0.0233 J	NA	NA	0.0206 J	0.0168 J	0.0411 J	0.0141 J	0.0302 J	NA	0.0434 J	0.0462 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	1.21	1.2	NA	NA	0.957	0.879	2.04	0.683	1.61	NA	2.14	2.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	1.23	1.22	NA	NA	0.978	0.895	2.08	0.697	1.64	NA	2.19	2.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	6.4	6.28	5.95	6.30	8.11	6.3	NA	5.4	4.3	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	6.3	5.1	NA	NA	NA	6.0	5.9	7.9	12	NA	9.1	0.27	66	64	58	51	53	40	37	39	36	32	29	32	20
Chemical	Ammonia as N			mg/L	NA	NA	0.0472 J	0.0534 J	0.233	0.100	0.277	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	2-Chloronaphthalene			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2-Chlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	2-Methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	2-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	2-Nitrophenol			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	3-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	4-Chloroaniline			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	4-Methylphenol			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	4-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	4-Nitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
SVOCs	Acenaphthene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Acenaphthylene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Acetophenone			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Atrazine	3		ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Benzaldehyde			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA

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Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29
				Date	10/7/2020	10/7/2020	10/13/2020	10/13/2020	1/26/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/10/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018
				Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Caprolactam			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA
SVOCs	Carbazole			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Chrysene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Dibenzofuran			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Fluorene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Hexachlorobutadiene			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
SVOCs	Hexachloroethane			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Isophorone			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Naphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Nitrobenzene			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Pentachlorophenol	1		ug/L	< 4.0	< 4.0	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	< 1.0	< 0.98	NA	NA	NA	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Phenol			ug/L	< 0.80	< 0.80	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA
SVOCs	Pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA
VOCs	2-Butanone			ug/L	< 10	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	< 0.020	< 0.019	NA	NA	NA	0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	< 0.020	< 0.019	NA	NA	NA	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	1.1	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-28	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29
				Date	10/7/2020	10/7/2020	10/13/2020	10/13/2020	1/26/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/10/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018
				Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30
				Date	4/16/2018	7/13/2018	10/23/2018	1/10/2019	10/7/2019	4/3/2020	10/7/2020	10/13/2020	4/8/2021	10/8/2021	4/6/2022	10/10/2022	1/5/2023	4/6/2023	10/6/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	3.21 #	3.71 #	1.78 #	5.04	2.25 #	0.844 #	0.556 #	NA	1.81 #	3.21 #	2.44 #	1.38 #	NA	1.21 #	1.71 #	22.4	23.7	12.2	12.9	27.8	39.7	33.5	NA	44.6	41.9
Radiological	Beta particles	50	*	pCi/L	3.01 #	4.62	3.98	3.42 #	7.67	8.48	10.6	NA	7.40	6.80	7.79	13.0	NA	NA	11.3	33.9	35.6	21.7	21.4	41.3	41.8	40.1	NA	36.2	40.5
Radiological	Tritium			pCi/L	0 ##	175 #	0 ##	153 #	116 #	0 ##	0 ##	NA	0 ##	27.8 #	0 ##	48.3 #	NA	298 #	78.7 #	21.6 #	0 ##	0 ##	0 ##	129 #	0 ##	31.9 #	NA	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	0 ##	11.6 #	8.62	8.97	NA	5.21	8.95	11.6	10.2	NA	44.8	17.0	54.4 #	4.93 #	0 ##	14.8 #	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	1.38	1.20	0.0704 #	NA	NA	0.672	0.314 #	0.351 #	NA	NA	0.335	NA	NA	NA	NA	NA	17.3	19.8	20.4	NA	22.9	23.3
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	0.0673 #	0 #	0.0220 #	NA	NA	0.00665 #	0.0950 #	0 ##	NA	NA	0.0671 #	NA	NA	NA	NA	NA	0.787	1.46	1.40	NA	1.82	1.16
Radiological	Uranium-238			pCi/L	NA	NA	NA	0.746	0.972	0.129 #	NA	NA	0.384	0.329	0.159 #	NA	NA	0.197	NA	NA	NA	NA	NA	5.61	6.80	8.12	NA	7.12	7.05
Radiological	Percent Uranium-235			%	NA	NA	NA	0 #	0 #	0 #	NA	NA	0 #	0 #	0 #	NA	NA	0 #	NA	NA	NA	NA	NA	2.13	3.22	2.60	NA	3.83	2.48
Radiological	Uranium-234			ug/L	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	0.0385 J	0.0333 J	0.026 J	0.0167 J	0.021 J	NA	0.0120 J	0.0145 J	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	2.24	2.17	2.03	1.36	1.54	NA	0.938	1.04	0.639	0.396	NA	0.389	0.490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	2.28	2.21	2.05	1.38	1.56	NA	0.950	1.05	0.639	0.396	NA	0.389	0.490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	4.8	3.77	NA	3.81	3.10	4.57	3.5	NA	2.7	2.0	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	15	13	7.3	6.4	11	17	13	NA	9.9	10	26	35	NA	25	35	78	42	69	130	71	44	44	30	NA	NA
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	22.4	13.2	NA	13.9	9.04	11.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	< 20.0	14.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	158	164	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	18800	23000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	7.39 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	5250	6580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	32.7	66.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	4500	3910	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	32900	27900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	8.16	4.37 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	4.5 J	10.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30
				Date	4/16/2018	7/13/2018	10/23/2018	1/10/2019	10/7/2019	4/3/2020	10/7/2020	10/13/2020	4/8/2021	10/8/2021	4/6/2022	10/10/2022	1/5/2023	4/6/2023	10/6/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	< 20	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	< 20	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 0.99	NA	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	< 1	< 1	1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	NA	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	NA	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	< 5.0	< 5	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	1.5	1.6	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-29	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30
				Date	4/16/2018	7/13/2018	10/23/2018	1/10/2019	10/7/2019	4/3/2020	10/7/2020	10/13/2020	4/8/2021	10/8/2021	4/6/2022	10/10/2022	1/5/2023	4/6/2023	10/6/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	10/21/2016	10/21/2016
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-32	W-32	W-32	W-32
					Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/13/2020	10/12/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015
					Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	58.2	35.6	59.6	46.1	54.4	60.0	35.0	23.7	38.6	7.57	14.2	14.0	12.4	6.37	12.6	13.7	NA	9.55	7.08	6.63	NA	3.52	8.08
Radiological	Beta particles	50	*	pCi/L	NA	NA	28.3	32.3	38.5	38.7	52.6	44.8	35.5	26.5	30.8	20.8	33.9	27.2	29.8	19.9	22.3	57.0	NA	73.2	26.6	240	NA	200	196
Radiological	Tritium			pCi/L	NA	NA	55.8 #	0 ##	0 ##	7.83 #	365 #	0 ##	89.8 #	38.6 #	0 ##	443 #	0 ##	0 ##	0 ##	126 #	0 ##	0 ##	NA	163 #	79.1 #	NA	0 ##	0 ##	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	45.4	NA	NA	NA	32.6 #	49.7	48.4	29.0	43.7	48.9	27.0	34.0	NA	30.5	43.2	351	NA	277	390
Radiological	Uranium-233/234			pCi/L	NA	NA	20.2	18.3	31.7	27.4	28.8	34.4	22.2	15.0	29.3	11.5	8.43	NA	11.0	10.3	11.0	8.69	NA	0.147 #	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	1.03	1.17	2.48	1.76	3.09	2.49	1.36	0.509	2.83	0.914	0.236	NA	0.525	0.446	0.575	0.658	NA	0.222 #	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	6.09	5.04	7.62	6.85	10.9	10.2	7.02	4.40	10.1	3.31	2.55	NA	2.80	2.54	2.55	2.61	NA	0 ##	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	2.55	3.48	4.81	3.84	4.22	3.66	2.92	1.76	4.18	4.12	1.42	NA	2.83	2.65	3.39	3.76	NA	0 #	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.298	0.533	0.199	0.173	0.206	0.182	0.209	0.186	0.160	NA	0.147	0.146	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.4	22.4	8.71	6.91	8.49	7.70	8.82	7.88	6.49	NA	6.22	5.76	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.7	22.9	8.91	7.08	8.7	7.89	9.03	8.06	6.65	NA	6.37	5.91	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	7.98	10.5	11.0	14.3	10	NA	8.5	8.2	8.9	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	36	35	34	81	85	72	49	68	70	47	45	120	120	69	83	57	43	110	NA	150	120	150	NA	160	190
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.83	0.932	1.56	1.37	1.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	356	677	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	234	189	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.03 J	1.22 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90700	85800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.24 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.24 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4230	4260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.2	127	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.7	23.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7800	5780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.76 J	17.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147000	146000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.25 J	1.67 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 J	21.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-32	W-32	W-32	W-32
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/13/2020	10/12/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.48 J	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	1.2	1.0	1.8	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	3.1	1.6	1.5	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-30	W-32	W-32	W-32	W-32
				Date	10/24/2016	10/24/2016	1/16/2017	4/6/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/23/2018	1/15/2019	10/7/2019	4/13/2020	10/12/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	1/19/2015	1/29/2015	4/13/2015	7/13/2015
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32
				Date	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/19/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	8.56	6.22	3.60	1.90 #	1.83 #	11.4	6.76	8.45	8.21	3.04 #	6.27	22.4	5.00	8.41	8.88	7.17	3.47	1.11 #	0 ##	5.72	0.898 #	7.38	NA	33.6	10.6
Radiological	Beta particles	50	*	pCi/L	114	167	223	189	180	191	179	201	207	187	226	199	127	176	206	175	106	127	124	77.2	187	156	NA	264	148
Radiological	Tritium			pCi/L	0 ##	141 #	0 ##	164 #	0 ##	55.8 #	169 #	0 ##	0 ##	170 #	0 ##	276 #	0 ##	0 ##	0 ##	81.8 #	0 ##	0 ##	196 #	0 ##	84.3 #	37.5 #	NA	294 #	182 #
Radiological	Technetium-99	900		pCi/L	251	291	327	235 #	410	301	NA	402	300	293	377	388	259	307	273	321	270	215	245	231	294	304	NA	305	243
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.618	NA	0.360	0.267 #	0.322	0 ##	NA	0.0839 #	0.240 #	0.141 #	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0959 #	NA	0.0769 #	0 #	0 ##	0 ##	NA	0 ##	0.0384 #	0 #	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.441	NA	0.198 #	0.0119 #	0.191	0 ##	NA	0.107 #	0.0186 #	0.159 #	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.223	0.296	0.31	0.224	0.154 J	0.179 J	0.158 J	0.153 J	0.189 J	0.164 J	NA	0.163 J	0.105 J
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.223	0.296	0.31	0.224	0.154 J	0.179 J	0.158 J	0.153 J	0.189 J	0.164 J	NA	0.163 J	0.105 J
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.66	3.5	3.5	4.00	5.01	4.2	NA	3.9	3.0	3.7
Chemical	Nitrate as N	10		mg/L	78	190	200	150	120	150	130	170	180	170	200	210	240	210	210	170	140	130	130	94	90	150	NA	140	130
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47.9	34.2	12.5	40.4	38.9	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	89 J	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	5.1 J	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	484	365	296	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40600	33900	27400	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	1.07 J	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12000	9580	7850	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363	279	240	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.04 J	2.71 J	4.25 J	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9130	8360	7500	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.3 J	< 30.0	10.2 J	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	221000	175000	154000	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.99 J	2.99 J	3.15 J	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.24 J	9.01 J	17.4 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32
				Date	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/19/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99	< 0.97	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	1.5	1.3	1.6	1.4	< 1	1.1	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.88 J	1.1
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32	W-32
				Date	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017	4/7/2017	7/10/2017	10/12/2017	1/8/2018	4/16/2018	7/13/2018	10/19/2018	1/11/2019	6/5/2019	10/8/2019	4/10/2020	10/5/2020	4/5/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/5/2023	10/5/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33
				Date	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/22/2019	10/17/2019	10/17/2019	4/16/2020	10/15/2020	4/16/2021	10/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	1.86 #	0 ##	NA	1.99 #	1.15 #	1.01 #	2.51 #	2.00 #	10.2	28.8	10.6	15.0	9.80	10.9	9.88	6.11	6.90	0 ##	0.847 #	2.89 #	2.51 #	2.26 #	1.30 #	0.128 #	5.46
Radiological	Beta particles	50	*	pCi/L	2.83 #	2.00 #	NA	5.26	11.2	16.1	8.36	5.01	20.8	22.1	36.3	15.3	11.4	12.2	13.5	11.1	13.6	5.22	2.55 #	7.78	5.81	5.00	5.36	4.32	84.0
Radiological	Tritium			pCi/L	109 #	0 ##	NA	38.6 #	0 ##	270 #	0 ##	362 #	0 ##	189 #	0 ##	143 #	0 ##	11.6 #	198 #	23.1 #	77.0 #	211 #	0 ##	0 ##	137 #	65.3 #	77.2 #	0 ##	75.1 #
Radiological	Technetium-99	900		pCi/L	95.3 #	53.6 #	NA	0 ##	102 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.72 #	0 ##	0 ##	2.90 #	2.85 #	0.779 #	3.64 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.524	NA	0.891	NA	NA	NA	NA	NA	NA	0.190 #	0.102 #	0.0758 #	0 ##	NA	0 ##	0.0523 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.175 #	NA	0.205 #	NA	NA	NA	NA	NA	NA	0 ##	0.0445 #	0.0446 #	0.0619 #	NA	0 ##	0 ##
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.965	NA	0.749	NA	NA	NA	NA	NA	NA	0.106 #	0.0274 #	0.0361 #	0.206 #	NA	0.0101 #	0.0512 #
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.070	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.152	0.136	0.146	0.119	0.138	0.084 J
Chemical	Nitrate as N	10		mg/L	7.9	NA	6.9	7.5	6.7	7.3	9	12	16	9.9	10	12	11	12	10	9.7	11	10	10	13	13	8.2	13	8.4	18
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0134	0.0189	0.0194	0.0151 J	0.101	0.0153 J
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.02 J	< 20.0	< 20.0	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181	201	164	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12700	14100	9280	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	1.45 J	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5160	5620	3800	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.55 J	5.08 J	2.94 J	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	0.072 J	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.74 J	5.71	4.02 J	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2780	2970	2370	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14400	15300	14500	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	1.11 J	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.1	28.3	6.42 J	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33
				Date	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/22/2019	10/17/2019	10/17/2019	4/16/2020	10/15/2020	4/16/2021	10/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.96	< 0.95	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	< 20	< 20	< 20	< 20	< 100	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	< 2	< 2	< 2.0	< 2.0	< 10	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 50	NA	NA	NA	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	< 2	< 2	< 2.0	< 2.0	< 10	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	< 2	< 2	< 2.0	< 2.0	< 10	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	2	< 1	1.0	< 1.0	< 5	1.7	1.7	5.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 50	NA	NA	NA	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 50	NA	NA	NA	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	560	520	NA	NA	NA	190	140	300	330	270	250	270	340
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	72	NA	NA	NA	17	18	38	24	33	40	29	36

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33	W-33
				Date	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	10/13/2016	1/11/2017	4/3/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/10/2018	10/16/2018	1/22/2019	10/17/2019	10/17/2019	4/16/2020	10/15/2020	4/16/2021	10/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	< 1	< 1	< 1.0	< 1.0	< 5	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-36	W-36	W-36	W-36	W-36	W-36	W-36	W-36
				Date	4/13/2022	10/13/2022	1/6/2023	4/14/2023	10/17/2023	11/1/2018	1/22/2019	10/2/2019	4/21/2020	10/13/2020	4/13/2021	10/14/2021	4/11/2022	10/11/2022	4/12/2023	10/17/2023	8/30/2018	11/1/2018	1/18/2019	10/2/2019	4/20/2020	10/16/2020	4/13/2021	10/13/2021	4/11/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	1.10 #	3.00	NA	0 ##	0.221 #	0.190 #	0.901 #	0.793 #	0.263 #	3.16	1.04 #	0.639 #	1.08 #	NA	NA	NA	6.82	0 ##	1.97 #	0.270 #	0.779 #	1.06 #	0.726 #	4.51	1.55 #
Radiological	Beta particles	50	*	pCi/L	4.45	5.21	NA	1.52 #	3.85 #	3.28 #	1.33 #	3.54 #	2.32 #	1.33 #	0.973 #	3.23 #	0.744 #	NA	NA	NA	1.90 #	0.503 #	3.03 #	0 ##	4.21	1.44 #	0 ##	8.06	0.492 #
Radiological	Tritium			pCi/L	0 ##	94.9 #	NA	285 #	140 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	253 #	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	1.71 #	0.711 #	NA	3.22 #	2.00 #	0 ##	0 ##	21.7 #	0 ##	0.825 #	0 ##	0.125 #	0 ##	0 ##	0.971 #	1.43 #	NA	0 ##	0 ##	15.0 #	0 ##	0.664 #	0 ##	0 ##	0.357 #
Radiological	Uranium-233/234			pCi/L	0.0524 #	NA	NA	0.186 #	NA	0.299 #	0.175 #	0.304	0.123 #	NA	0 ##	0.0107 #	0.0195 #	NA	0.0709 #	NA	NA	0.00300 #	0.433	0.148 #	0 ##	NA	0 ##	0 ##	0 ##
Radiological	Uranium-235/236			pCi/L	0.0245 #	NA	NA	0.0533 #	NA	0.0951 #	0.0897 #	0.0450 #	0.0570 #	NA	0 ##	0.0607 #	0 ##	NA	0.00182 #	NA	NA	0.0424 #	0.240	0 ##	0 #	NA	0 ##	0.132 #	0 ##
Radiological	Uranium-238			pCi/L	0.0260 #	NA	NA	0.141 #	NA	0.115 #	0.489	0.109	0.00288 #	NA	0.00375 #	0 ##	0.0130 #	NA	0.166 #	NA	NA	0.0144 #	0.204 #	0 ##	0 ##	NA	0.000977 #	0 ##	0.0989 #
Radiological	Percent Uranium-235			%	0 #	NA	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	0 #	15.5	0 #	0 #	NA	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	NA	< 0.200	0.136 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.111 J	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0	< 0.200	NA	< 0.200	0.136 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.111 J	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.13	0.15	NA	0.17	0.24	NA	NA	0.025	0.022	0.021 J	0.020 J	0.026 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	0.007	0.014	< 0.1	0.0180 J	0.014 J	< 0.10
Chemical	Nitrate as N	10		mg/L	11	9.5	NA	6.6	4.0	5.5	4.2	3.2	3.3	3	3.1	4.2	3.0	4.4	2.1	3.0	0.17	0.27	0.055	0.11	0.056	0.17	0.053	0.35	0.54
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	0.0075	0.0186	0.0228 J	0.0359 J	0.0248 J	NA	NA	NA	NA	NA	NA	NA	0.0089	0.025	0.026 J	0.0216 J	0.0245 J	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	6.11 J	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	62.5	48.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.9	33.9	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	16000	12800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1430	1530	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	4.39 J	6.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.22 J	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	460	116	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	4310	3040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	437	384	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	5.29 J	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54.9	56.4	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.072 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.073 J	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	977	661	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	3320	2560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1190	1030	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	13 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.15 J	< 5.00	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	8180	6920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5450	4970	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.72 J	< 5.00	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	12.2 J	5.69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.36 J	6.51 J	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	< 1.00	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-36	W-36	W-36	W-36	W-36	W-36	W-36	W-36
				Date	4/13/2022	10/13/2022	1/6/2023	4/14/2023	10/17/2023	11/1/2018	1/22/2019	10/2/2019	4/21/2020	10/13/2020	4/13/2021	10/14/2021	4/11/2022	10/11/2022	4/12/2023	10/17/2023	8/30/2018	11/1/2018	1/18/2019	10/2/2019	4/20/2020	10/16/2020	4/13/2021	10/13/2021	4/11/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	< 1.00	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 100	NA	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 5.0	NA	0.90 J	0.65 J	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 10	NA	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 50	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 10	NA	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 5.0	NA	2.8	1.9	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA
VOCs	Dibromochloromethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 10	NA	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 5.0	NA	0.97 J	1.3	1.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 50	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 50	NA	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 25	NA	< 5.0	< 5.0	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	330	NA	140	150	94	< 5	2.1	2.6	2.5	2.4	2.0	1.9	1.7	2.3	1.8	1.6	< 1	< 5	< 1	< 1.0	< 1	1.4	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	31	NA	12	23	7.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-33	W-33	W-33	W-33	W-33	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-35	W-36	W-36	W-36	W-36	W-36	W-36	W-36	W-36	W-36
				Date	4/13/2022	10/13/2022	1/6/2023	4/14/2023	10/17/2023	11/1/2018	1/22/2019	10/2/2019	4/21/2020	10/13/2020	4/13/2021	10/14/2021	4/11/2022	10/11/2022	4/12/2023	10/17/2023	8/30/2018	11/1/2018	1/18/2019	10/2/2019	4/20/2020	10/16/2020	4/13/2021	10/13/2021	4/11/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 5.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-36	W-36	W-36	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38
				Date	10/11/2022	##########	10/26/2023	8/5/2018	10/18/2018	1/14/2019	10/2/2019	4/8/2020	4/8/2020	10/9/2020	4/9/2021	10/11/2021	4/8/2022	10/10/2022	4/11/2023	10/13/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	4.75	0.00882 #	0.230 #	1.75 #	0.361 #	1.84 #	0 ##	1.12 #	0.502 #	0.977 #	NA	NA	NA	0.504 #	1.62 #	1.37 #	1.87 #	0.459 #	2.32	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	5.08	1.89 #	0.997 #	0 ##	0.819 #	0 ##	1.25 #	1.68 #	1.58 #	4.76 #	NA	NA	NA	4.52 #	6.86	2.37 #	3.32 #	6.05	3.18	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	203 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157 #	66.9 #	140 #	0 ##	54.9 #	159 #	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0.0795 #	0.388 #	NA	NA	0 ##	0 ##	1.37 #	0 ##	0 ##	2.34 #	0.0860 #	0 ##	0 ##	0.530 #	1.17 #	89.8 #	34.4 #	0 ##	0 ##	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	0.166 #	NA	NA	NA	0.0532 #	0.103 #	0 ##	0 ##	NA	0 ##	0 ##	0.372	NA	0.0874 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	0.0233 #	NA	NA	NA	0.0713 #	0 ##	0 ##	0 ##	NA	0 ##	0.0737 #	0.0121 #	NA	0.0970 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	0 ##	NA	NA	NA	0.238	0.0277 #	0 ##	0.0470 #	NA	0 ##	0 ##	0.0547 #	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	0 #	NA	NA	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	0.0936 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.118 J	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	0.0936 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.118 J	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	NA	NA	NA	0.02	0.029	0.026	0.138	0.0170 J	0.038 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	0.88	0.44	0.51	2.6	2.8	3.6	3.5	2	2.1	3.8	1.7	3.3	1.9	1.8	1.4	1.8	11	11	9.9	9.1	9.1	8.1	8.8	9.2	8.3
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	0.0088	0.01	0.0173	0.0797 J	0.0249 J	0.0162 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	3.87 J	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	51.6	39.7	39.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	9960	7930	8050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	4.22 J	2.57 J	2.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	5860	4130	4220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	2.09 J	2.19 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	2230	1840	1940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	8.99 J	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	13300	8480	8490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	12.9 J	6.8 J	6.97 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	< 1.00	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-36	W-36	W-36	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38
				Date	10/11/2022	##########	10/26/2023	8/5/2018	10/18/2018	1/14/2019	10/2/2019	4/8/2020	4/8/2020	10/9/2020	4/9/2021	10/11/2021	4/8/2022	10/10/2022	4/11/2023	10/13/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	< 1.00	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	0.460 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	NA	NA	< 2	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	NA	NA	< 2	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	NA	NA	< 2	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	NA	NA	NA	NA	< 5.0	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-36	W-36	W-36	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-37	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38
				Date	10/11/2022	##########	10/26/2023	8/5/2018	10/18/2018	1/14/2019	10/2/2019	4/8/2020	4/8/2020	10/9/2020	4/9/2021	10/11/2021	4/8/2022	10/10/2022	4/11/2023	10/13/2023	1/19/2015	4/13/2015	7/13/2015	10/12/2015	1/14/2016	4/19/2016	7/8/2016	10/11/2016	1/17/2017
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	NA	NA	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-39	W-39	W-39	W-39
				Date	4/7/2017	7/10/2017	10/3/2017	1/9/2018	4/20/2018	7/13/2018	8/5/2018	8/31/2018	10/18/2018	10/23/2018	1/9/2019	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/7/2021	4/7/2022	4/7/2022	10/6/2022	4/6/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	NA	NA	NA	2.03 #	NA	0.0942 #	NA	0.366 #	2.54 #	0.335 #	0.0951 #	1.86 #	2.12 #	0.0861 #	0 ##	NA	NA	NA	3.67	4.34 #	NA	3.23 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	NA	NA	NA	4.81	NA	1.46 #	NA	0.689 #	2.43 #	0.977 #	0 ##	0.331 #	4.58	2.01 #	0.956 #	NA	NA	NA	28.1	22.6	NA	13.3
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	219 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.2 #	99.8 #	NA	0 ##
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	0 ##	0 ##	NA	0 ##	1.04 #	0 ##	0 ##	2.60 #	0 ##	NA	45.5 #	90.1 #	NA	0 ##
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.606	0.106 #	0.105 #	NA	0.0861 #	0.295	0.0312 #	0.154 #	NA	0.339 #	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.210	0 #	0.0394 #	NA	0.0289 #	0.0217 #	0 ##	0.0971 #	NA	0.143 #	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.309	0.128	0.0638 #	NA	0.0157 #	0.0851 #	0.130 #	0.0671 #	NA	0.200 #	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.55	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	NA	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.196 J	NA	0.197 J	0.183 J	0.092 J	0.086 J	0.0986 J	0.120 J	0.115 J	0.104 J	0.101 J	< 0.200	< 0.200	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.196 J	NA	0.197 J	0.183 J	0.092 J	0.086 J	0.0986 J	0.120 J	0.115 J	0.104 J	0.101 J	< 0.200	< 0.200	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.176	0.191	0.24	0.285	0.501	0.35	0.33	0.80	0.31	0.36	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	14	7.1	6.3	6.5	7.2	6.3	6.6	< 0.02	5.6	7.8	5	4.3	3.1	3.8	3.0	2.6	3.6	3.6	3.3	3.4	3.2	120	NA	94	6.8
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0141	0.0275	0.0541 J	0.0409 J	0.0464 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80.9 J	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6 J	8.97 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96.7	85.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7850	7120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.29 J	4.29 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.84 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.02 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	3.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4650	4200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48.5	43.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.219	0.491	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	271	153	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2640	2300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.8 J	24 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21300	17700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.07 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.9 J	11.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-39	W-39	W-39	W-39
				Date	4/7/2017	7/10/2017	10/3/2017	1/9/2018	4/20/2018	7/13/2018	8/5/2018	8/31/2018	10/18/2018	10/23/2018	1/9/2019	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/7/2021	4/7/2022	4/7/2022	10/6/2022	4/6/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	3.6	< 1	3.2	1.8	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.70 J	0.62 J	NA	NA	NA	NA
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	11	< 1	9.5	11	5.7	16	15	4.0	12	12	8.2	15	11	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-38	W-39	W-39	W-39	W-39
				Date	4/7/2017	7/10/2017	10/3/2017	1/9/2018	4/20/2018	7/13/2018	8/5/2018	8/31/2018	10/18/2018	10/23/2018	1/9/2019	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/7/2021	4/7/2022	4/7/2022	10/6/2022	4/6/2023	10/10/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39
				Date	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/21/2019	10/18/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	1/6/2023	1/6/2023	4/10/2023	10/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	3.63 #	0.635 #	2.63 #	4.91	8.05	14.1	20.2	14.0	7.81	16.7	11.1	12.2	3.36 #	3.66 #	1.22 #	6.68	1.49 #	1.23 #	0.360 #	0 ##	NA	NA	NA	2.23 #	1.73 #
Radiological	Beta particles	50	*	pCi/L	15.2	19.5	35.8	13.3	22.9	18.4	15.7	15.5	18.1	13.2	15.5	13.1	12.1	12.6	8.84	5.51	16.5	8.67	10.4	8.93	18.5	NA	NA	7.90	5.14
Radiological	Tritium			pCi/L	0 ##	315 #	0 ##	323 #	0 ##	165 #	0 ##	0 ##	0 ##	99.2 #	0 ##	174 #	433 #	488 #	174 #	23.7 #	257 #	0 ##	248 #	55.2 #	0 ##	NA	NA	249 #	24.4 #
Radiological	Technetium-99	900		pCi/L	124 #	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.35 #	0.726 #	7.39	11.3	11.1	10.4	8.55	11.3	NA	NA	6.80	8.72
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	NA	NA	0.445	2.09	NA	0.558 #	NA	NA	NA	0.367	0 ##	0 ##	NA	0 ##	0.0183 #	0 ##	NA	NA	NA	0.228 #	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	NA	NA	0.334 #	0.263 #	NA	0.715	NA	NA	NA	0.340	0.00196 #	0.0199 #	NA	0.0428 #	0 ##	0.0762 #	NA	NA	NA	0.0517 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	NA	NA	0.159 #	0.338	NA	0.311 #	NA	NA	NA	0.179 #	0.149 #	0 ##	NA	0.00970 #	0.0841 #	0.00863 #	NA	NA	NA	0.146 #	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	NA	NA	0 #	0 #	NA	26.3	NA	NA	NA	22.8	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	< 0.200	0.0826 J
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	< 0.200	0.0826 J
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.024	0.021	0.038 J	0.0130 J	0.027 J	< 0.10	< 0.10	NA	NA	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	95	130	93	84	97	89	110	190	130	100	110	85	120	96	73	72	64	53	57	92	74	NA	NA	61	69
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0218	0.0182	0.0256 J	0.0218 J	0.0327 J	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.79 J	5.51 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	324	296	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41500	30300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.52 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7620	5550	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43.4	19.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3230	3060	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	106000	80300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.41 J	5.82 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 1.00

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39
				Date	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/21/2019	10/18/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	1/6/2023	1/6/2023	4/10/2023	10/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 1.00
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0
VOCs	Acetone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 100	NA	NA	NA	< 100	< 20	< 100	< 20	< 100	< 100	< 20	< 20	NA	< 20	< 20	< 20	NA
VOCs	Benzene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 2	< 10	< 2	< 10	< 10	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	< 50	< 10	< 50	< 10	< 50	< 50	< 10	< 10	NA	< 10	< 10	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 2	< 10	< 2	< 10	< 10	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	NA
VOCs	Chloroform			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.019	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.019	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 2	< 10	< 2	< 10	< 10	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	5	3.8	13	18	12	13	8.5	6.0	NA	11	11	8.5	13
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	< 50	< 10	< 50	< 10	< 50	< 50	< 10	< 10	NA	< 10	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	< 50	< 10	< 50	< 10	< 50	< 50	< 10	< 10	NA	< 10	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 5	< 25	< 25	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	NA	300	190	290	390	400	380	250	190	NA	230	230	220	450
VOCs	Toluene	1000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	3.5	5.2	7.6	< 5.0	< 5.0	3.7	2.8	NA	4.2	4.2	4.0	8.5

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39	W-39
				Date	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/25/2018	1/21/2019	10/18/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	1/6/2023	1/6/2023	4/10/2023	10/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	< 5	< 1	< 5.0	< 1	< 5.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R
				Date	11/29/2018	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	6.93	3.21	0.796 #	1.22 #	0.200 #	0 ##	0 ##	0.693 #	NA	NA	NA	4.02 #	0 ##	6.77	1.70 #	3.54 #	0 ##	4.02 #	4.01 #	16.4	12.6	7.57	6.07	12.6	9.26
Radiological	Beta particles	50	*	pCi/L	5.20	3.45 #	3.44 #	4.19	4.82	0.664 #	1.86 #	3.06 #	NA	NA	NA	22.0	17.6	22.2	13.0	10.5	19.7	25.7	24.6	27.1	24.1	25.7	20.0	23.5	19.7
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 ##	0 ##	0 ##	0 ##	0 ##	308 #	0 ##	179 #	0 ##	0 ##	55.5 #	122 #	0 ##	85.3 #
Radiological	Technetium-99	900		pCi/L	11.9 #	0 ##	0 ##	0 ##	0.131 #	0 ##	0.0523 #	0 ##	0 ##	0 ##	1.43 #	33.9 #	62.2 #	13.7 #	86.5 #	6.70 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	0.0255 #	0.519	0.0131 #	0.154 #	NA	0 ##	0 ##	0.308 #	NA	0.244 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.450	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0.0314 #	0.301 #	0.0454 #	0.0534 #	NA	0.0512 #	0.105 #	0 #	NA	0.00970 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0853 #	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0.0588 #	0.409	0.129 #	0.104 #	NA	0.0293 #	0 ##	0 ##	NA	0.140	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.105 #	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	0.142 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.103 J	0.0778 J	0.155 J	0.143 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.142 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.103 J	0.0778 J	0.155 J	0.143 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	0.166	0.139	0.145	0.129	0.141	0.20	0.19	0.15	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	4.6	2.6	4.3	2.4	3	1.3	4.1	2.5	3.4	0.63	3.3	56	51	54	34	33	61	80	66	75	64	62	63	NA	65
Chemical	Ammonia as N			mg/L	NA	NA	0.0203	0.0158	0.264	0.0591 J	0.342	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	< 200	560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	8.02 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	16.8	14.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	16700	9490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	< 100	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	5.76 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	2630	1730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	< 0.200	0.077 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	2820	2260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	1.17 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	2210	1830	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	1.25 J	1.67 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	< 20.0	6.03 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 20	< 20	< 20	< 20	NA	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 20	< 20	< 20	< 20	NA	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 20	< 20	< 20	< 20	NA	< 20
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 8	< 8	< 8	< 8	NA	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 0.943	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R
				Date	11/29/2018	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																							
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 12	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	47	< 30	< 8	< 8	68	< 8	NA	< 8
SVOCs	Carbazole			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 20	< 20	< 20	< 20	NA	< 20
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Isophorone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 0.943	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	NA	< 25	< 25	< 30	< 20	< 20	< 20	< 20	NA	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	< 0.97	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Phenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 4	< 4	< 4	< 4	NA	< 4
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	NA	< 5	< 5	< 6	< 0.8	< 0.8	< 0.8	< 0.8	NA	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 100
VOCs	Benzene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Bromodichloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Bromoform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Bromomethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	< 10
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50
VOCs	Carbon disulfide			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Carbon tetrachloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Chlorobenzene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Chloroethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	< 10
VOCs	Chloroform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Chloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2	< 2	< 2	< 2	< 2	NA	< 5
VOCs	Cyclohexane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,2-Dibromoethane	0.05		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,3-Dichlorobenzene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,4-Dichlorobenzene	75		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,1-Dichloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Dichlorodifluoromethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	< 2	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	< 10
VOCs	1,2-Dichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,1-Dichloroethene	7		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,2-Dichloropropane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	cis-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5	< 5	< 5	< 5	< 5	NA	< 5
VOCs	trans-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5	< 5	< 5	< 5	< 5	NA	< 5
VOCs	Ethylbenzene	700		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50
VOCs	(1-Methylethyl)-Benzene			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50
VOCs	Methylcyclohexane			ug/L	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5	< 5	< 5	< 5	< 5	NA	< 5
VOCs	Naphthalene (VOC)			ug/L	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	NA	< 1	< 1	< 5	< 5	< 5	< 5	< 5	NA	< 5
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Tetrachloroethene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	190	130	140	88	NA	53	84	150	150	180	190	160	NA	220
VOCs	Toluene	1000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	1,1,2-Trichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Trichloroethene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	37	21	21	9.6	NA	4	6.8	14	18	21	16	8.8	NA	19

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-40	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R
				Date	11/29/2018	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/12/2017	1/9/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2	< 2	< 2	< 2	< 2	NA	< 5
VOCs	Vinyl chloride	2		ug/L	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	NA	< 1	< 1	< 2	< 2	< 2	< 2	< 2	NA	< 5
VOCs	Xylenes, Total	10000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 5
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42
				Date	4/10/2018	7/10/2018	10/17/2018	10/17/2018	1/23/2019	10/14/2019	4/17/2020	10/16/2020	4/16/2021	10/21/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/30/2018	11/4/2018	1/25/2019	10/22/2019	4/23/2020	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/14/2022
				Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	2.42 #	12.4	0 ##	0 ##	2.13 #	8.93	0 ##	3.02 #	3.20 #	0.858 #	0.515 #	NA	3.34 #	1.57 #	43.4	1.01 #	1.90 #	0.753 #	0.456 #	1.11 #	0 ##	0 ##	0 ##	0.363 #	NA
Radiological	Beta particles	50	*	pCi/L	16.4	14.2	12.1	32.3	8.44	14.3	2.44 #	13.5	12.4	10.2	7.47	11.5	1.82 #	5.60	49.2	1.96 #	8.61	3.16 #	3.17	4.06 #	4.31 #	3.00 #	3.47 #	5.39	NA
Radiological	Tritium			pCi/L	2.61 #	473 #	0 ##	0 ##	0 ##	223 #	49.0 #	0 ##	0 ##	103 #	0 ##	0 ##	78.3 #	233 #	162 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	0 ##	0 ##	12.1	12.4	10.2	13.5	10.9	11.9	4.78	6.99	NA	0 ##	18.4 #	5.77 #	2.64 #	2.18 #	3.10 #	0 ##	2.31 #	4.04	6.66
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	0.281	0.0652 #	0.119 #	NA	0 ##	0 ##	0.0793 #	NA	0.210 #	NA	1.68	0.300 #	0.376	0 ##	0 ##	0 ##	NA	0 ##	0.0236 #	0.0712 #	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	0.226 #	0.0336 #	0 ##	NA	0 ##	0.0101 #	0.0369 #	NA	0.0135 #	NA	0.296 #	0.0996 #	0.420	0.110 #	0 ##	0.0908 #	NA	0.0505 #	0 ##	0.0528 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	0.149 #	0.0757 #	0 ##	NA	0.00805 #	0.00350 #	0.0894	NA	0.0975 #	NA	1.78	0.209 #	0.280	0.0468 #	0 ##	0.0273 #	NA	0 ##	0 ##	0.0131 #	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	18.9	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA
Radiological	Uranium-234			ug/L	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	0.03	0.007	< 0.1	0.0230 J	0.017 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	1.99	1.6	1.52	1.72	1.30	1.27	2.5	2.1
Chemical	Nitrate as N	10		mg/L	76	67	55	NA	44	65	48	60	41	46	46	46	17	35	6.6	4	3.6	4.7	2.9	3	2.8	2.7	1.6	1.9	4.5
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	0.0299	0.0181	0.0203 J	0.114	0.0484 J	NA	NA	NA	NA	NA	NA	NA	0.806	0.197	0.197	0.155	0.0894 J	0.156	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1150	834	823	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	6.21 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	655	442	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101	79.5	76.4	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.32 J	2.41 J	2.32 J	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	34600	30000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3980	2940	2820	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	1.48 J	1.62 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	< 5.00	1.48 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.22 J	1.66 J	1.7 J	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	11000	8820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1970	1380	1330	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	5.52 J	2.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343	230	222	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	< 0.200	0.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	< 5.00	1.59 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.62 J	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	5240	4890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3690	3250	3120	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	< 30.0	6.21 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	1.08 J	1.08 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	66600	47300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3770	3170	3130	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	7.38 J	7.27 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.36 J	< 20.0	< 20.0	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 8	< 8	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 4	< 4	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 8	< 8	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 4	< 4	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 8	< 8	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 8	< 8	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 1.00 < 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42
				Date	4/10/2018	7/10/2018	10/17/2018	10/17/2018	1/23/2019	10/14/2019	4/17/2020	10/16/2020	4/16/2021	10/21/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/30/2018	11/4/2018	1/25/2019	10/22/2019	4/23/2020	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/14/2022
				Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 8	< 8	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4	< 4	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 1.00 < 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 4	< 4	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.8	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 100	< 100	< 100	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 10	< 10	< 10	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2	< 5	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 50	< 50	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 10	< 10	< 10	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 5	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 10	< 10	< 10	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 5	< 2	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 5	< 5	< 5	NA	5	4.4	3.8	4.1	2.7	4.2	5.1	5.8	2.0	3.9	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 50	< 50	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 50	< 50	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	< 5	NA	< 5.0	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	< 5	< 5	< 5	NA	< 1	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	< 1	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	260	300	310	NA	200	190	180	220	140	160	210	203	120	180	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	24	24	23	NA	6.9	14	4	8.6	3.2	8.5	15	13	4.7	7.8	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-41R	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42	W-42
				Date	4/10/2018	7/10/2018	10/17/2018	10/17/2018	1/23/2019	10/14/2019	4/17/2020	10/16/2020	4/16/2021	10/21/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/30/2018	11/4/2018	1/25/2019	10/22/2019	4/23/2020	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/14/2022
				Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 2	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 5	< 5	< 5	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-42	W-42	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43
				Date	4/14/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/29/2018	10/29/2018	11/28/2018	11/28/2018	1/21/2019	10/18/2019	4/23/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	0 ##	0 ##	NA	0.462 #	0 ##	0.0304 #	2.53 #	0.949 #	6.93	12.5	19.5	11.6	6.58	14.2	7.06	8.23	NA	0 ##	0 ##	1.69 #	0.252 #	0.159 #	1.41 #
Radiological	Beta particles	50	*	pCi/L	NA	NA	4.36	3.67	NA	7.50	4.78	6.41	2.37 #	2.65 #	11.1	9.60	13.5	5.70	12.1	12.4	7.17	11.3	NA	4.62 #	4.00 #	1.82 #	3.36	3.16 #	2.36 #
Radiological	Tritium			pCi/L	NA	NA	0 ##	0 ##	NA	0 ##	0 ##	371 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	2.87 #	298 #	NA	0 ##	36.9 #	71.4 #	0 ##	4.14 #	0 ##
Radiological	Technetium-99	900		pCi/L	3.61	6.54	71.9 #	100 #	NA	0 ##	25.1 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.9 #	24.7 #	0 ##	0 ##	1.60 #
Radiological	Uranium-233/234			pCi/L	0.210 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.553	NA	NA	NA	NA	NA	NA	NA	0.170 #	0.284 #	0.727	0 ##	0 ##
Radiological	Uranium-235/236			pCi/L	0.0607 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.138 #	NA	NA	NA	NA	NA	NA	NA	0 ##	0.139 #	0.443	0.0698 #	0 ##
Radiological	Uranium-238			pCi/L	0.0982 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.885	NA	NA	NA	NA	NA	NA	NA	0.171 #	0.0830 #	0.246	0.0475 #	0.0525 #
Radiological	Percent Uranium-235			%	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	21.8	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.63	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.018
Chemical	Nitrate as N	10		mg/L	2.5	3.3	6.4	NA	7	74	6.7	6	5.5	5.4	5.3	5.7	5.3	5.7	4.3	4.8	4.3	4.2	6.6	6.6	7.1	7.2	9	6.3	7.1
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0198	0.0353
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.76 J	< 20.0
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	159	142
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8770	7750
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.28 J	2.19 J
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3590	3160
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.24 J	5.74 J
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2650	2430
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	15.1 J
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.05 J	< 5.00
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3020	3090
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.53 J	6.85 J
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-42	W-42	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43
				Date	4/14/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/29/2018	10/29/2018	11/28/2018	11/28/2018	1/21/2019	10/18/2019	4/23/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA	NA	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Naphthalene			ug/L	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Bromodichloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Bromoform			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Bromomethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 5	< 5	< 5	< 5	< 2	< 2.0	< 2
VOCs	2-Butanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Chlorobenzene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Chloroethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 5	< 5	< 5	< 5	< 2	< 2.0	< 2
VOCs	Chloroform			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Chloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Cyclohexane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,1-Dichloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 5	< 5	< 5	< 5	< 2	< 2.0	< 2
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Ethylbenzene	700		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	2-Hexanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	Methyl acetate			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 5.0	< 5
VOCs	Methylene chloride	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Toluene	1000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5	< 5	NA	< 1.0	< 1
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-42	W-42	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-43
				Date	4/14/2023	10/19/2023	1/20/2015	4/14/2015	4/17/2015	7/15/2015	10/13/2015	1/21/2016	4/21/2016	7/12/2016	10/13/2016	1/13/2017	4/7/2017	7/11/2017	10/13/2017	1/15/2018	4/20/2018	7/12/2018	10/29/2018	10/29/2018	11/28/2018	11/28/2018	1/21/2019	10/18/2019	4/23/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																										
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 2	< 2	< 2	< 2	< 1	< 1.0	< 1
VOCs	Xylenes, Total	10000		ug/L	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 5	< 5	< 5	< 5	< 1	< 1.0	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44
				Date	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	4/14/2023	10/11/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	7/18/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/12/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	1.38 #	0 ##	0 ##	0 ##	NA	0.0324 #	3.41	0.659 #	4.44	NA	1.40 #	4.44	1.10 #	3.14 #	NA	18.2	10.4	11.4	9.55	8.36	19.4	25.2	9.51	8.48	8.15
Radiological	Beta particles	50	*	pCi/L	5.17	0.0965 #	0 ##	4.64	4.77	1.16 #	4.93	2.47 #	4.15 #	NA	0 ##	2.63 #	1.99 #	3.45 #	NA	13.2	9.65	4.16 #	14.3	3.87 #	15.9	18.0	8.88	6.78	10.6
Radiological	Tritium			pCi/L	74.4 #	0 ##	0 ##	0 ##	21.1 #	153 #	125 #	0 ##	29.9 #	NA	0 ##	0 ##	153 #	0 ##	NA	153 #	0 ##	0 ##	0 ##	160 #	0 ##	270 #	75.2 #	0 ##	98.8 #
Radiological	Technetium-99	900		pCi/L	1.40 #	1.50 #	39.9	0.422 #	3.69	2.86 #	0 ##	88.3 #	12.4 #	NA	0 ##	125 #	36.6 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	0 ##	0 ##	0 ##	NA	0.187 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.949	1.32	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	0 ##	0 ##	0.0191 #	NA	0.0818 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.211 #	0.221 #	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	0.00138 #	0.0793 #	0 ##	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.151 #	0.717	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 #	0 #	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	< 0.1	0.0120 J	0.023 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	5.7	7.4	7.4	6.9	7.6	8.4	6.4	4.5	NA	3.7	2.5	3.9	2.6	2	1.6	NA	3	3.3	2.9	2.7	2.8	2.5	2.4	3.2	3.3
Chemical	Ammonia as N			mg/L	0.0201 J	0.0197 J	0.0248 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44
				Date	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	4/14/2023	10/11/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	7/18/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/12/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	NA	NA	NA
SVOCs	Carbazole			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Isophorone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Phenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	0.024	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-43	W-43	W-43	W-43	W-43	W-43	W-43	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44
				Date	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/14/2022	4/14/2023	10/11/2023	1/20/2015	4/14/2015	4/16/2015	7/10/2015	10/9/2015	1/18/2016	4/18/2016	7/5/2016	7/18/2016	10/13/2016	1/11/2017	4/5/2017	7/11/2017	10/12/2017	10/12/2017	1/12/2018	4/17/2018	7/12/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45
				Date	8/30/2018	10/17/2018	1/23/2019	10/14/2019	4/16/2020	10/16/2020	4/19/2021	10/18/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/5/2018	11/4/2018	1/18/2019	10/2/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	10/12/2022	4/12/2023	4/12/2023	10/16/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	2.49 #	0.347 #	3.47 #	0.183 #	2.72	1.37 #	0.557 #	1.03 #	NA	0 ##	1.58 #	18.9	4.47	5.34	4.37	3.46 #	3.06 #	2.03 #	2.49 #	2.34	NA	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	1.83 #	4.49	0.283 #	13.3	2.92 #	6.74	3.38 #	0.959 #	1.73 #	1.40 #	6.49	8.02	2.99 #	2.70 #	16.6	49.5	3.73 #	3.68	2.22 #	2.13 #	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	104 #	0 ##	0 ##	44.8 #	0 ##	5.90 #	287 #	0 ##	0 ##	11.6 #	0 ##	42.0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	0 ##	0 ##	0 ##	0 ##	0 ##	0.648 #	0 ##	3.04 #	0.933 #	0 ##	NA	0 ##	0 ##	4.99 #	71.1	2.12 #	0 ##	1.47 #	0.400 #	1.90 #	1.41 #	1.02 #	0.385 #
Radiological	Uranium-233/234			pCi/L	NA	NA	0.341 #	0.0335 #	0.0364 #	NA	0 ##	0 ##	0 ##	NA	0.233 #	NA	12.8	3.55	1.35	0.897	0.0405 #	NA	0.619	0.782	1.01	NA	1.88	2.11	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	0.300 #	0.0360 #	0.0426 #	NA	0.0367 #	0.0451 #	0.0909 #	NA	0 ##	NA	0.404	0.371	0.351	0 ##	0 ##	NA	0 ##	0 ##	0.157 #	NA	0.131 #	0.0483 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	0.234 #	0.0107 #	0.0786 #	NA	0 ##	0.0630 #	0 ##	NA	0.299 #	NA	3.35	0.907	0.541	0.477	0.0729 #	NA	0.0543 #	0.225	0.280	NA	0.531	0.764	NA
Radiological	Percent Uranium-235			%	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	1.84	5.97	9.16	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	NA
Radiological	Uranium-234			ug/L	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	0.0586 J	0.0244 J	0.0216 J	< 0.0700	< 0.0700	< 0.0700	0.0112 J	0.0291 J	0.0115 J	0.0307 J	0.0325 J	< 0.0700
Radiological	Uranium-238			ug/L	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	2.53	1.02	0.983	< 0.200	0.301	0.382	0.462	1.20	0.436	1.33	1.36	0.372
Radiological	Total Uranium Isotopes	30		ug/L	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	2.58	1.05	1.00	< 0.200	0.301	0.382	0.473	1.23	0.447	1.36	1.40	0.372
Chemical	Fluoride	4		mg/L	NA	NA	NA	0.023	< 0.1	0.013 J	0.0170 J	0.015 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	0.633	0.61	0.581	0.649	0.386	0.51	0.44	0.53	0.53	0.48
Chemical	Nitrate as N	10		mg/L	NA	3.5	2.9	2.4	1.7	1.9	3.1	1.7	2.0	2.4	2.6	1.9	< 0.02	0.95	0.74	0.093	0.11	0.12	0.24	0.24	0.27	< 0.020	0.85	0.31	0.049
Chemical	Ammonia as N			mg/L	NA	NA	NA	0.0186	0.0134	0.0227 J	0.0207 J	0.0175 J	NA	NA	NA	NA	NA	NA	NA	2.08	1.26	1.55	0.781	0.904	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90.5 J	716	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.1 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	151	142	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.8	307	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	2.14 J	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	5460	4790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35100	17600	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	3.15 J	2.82 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	< 5.00	1.44 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.04 J	11.3	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	109	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	75.8 J	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34900	< 100	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	5.46 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	3060	2450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7930	6460	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	8.67 J	7.53 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	316	548	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	< 0.200	0.078 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.072 J	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262	4.78 J	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	2850	2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7530	7350	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.5 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	2.18 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.14 J	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	5570	5180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390000	46600	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.33 J	1.79 J	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	< 20.0	5.69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.6 J	6.92 J	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	7.2	4.2	< 4	4.2	2.2	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	7.2	12	6	13	3.1	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	1.5	1.5	1	1.7	1.3	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	0.27	0.17	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 1.00

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45
				Date	8/30/2018	10/17/2018	1/23/2019	10/14/2019	4/16/2020	10/16/2020	4/19/2021	10/18/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/5/2018	11/4/2018	1/18/2019	10/2/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	10/12/2022	4/12/2023	4/12/2023	10/16/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	6.6	< 4.0	< 4	5.4	4.5	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	1.4	0.81	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	2.4	1.7	1	2.2	1.1	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	0.9	18	15	13	16	8.4	NA	NA	NA	NA	NA	5.15
SVOCs	Nitrobenzene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.98	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	1.4	1.1	< 0.8	1.4	0.70	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	2.8	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	6.6	2.3	3.4	3.7	2.5	1.3	< 1.0	4.8	1.1	1.1	1.1
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	1.5	1.3	2.3	1.2	1.2	< 1.0	3.2	< 1.0	< 1.0	0.97	J
VOCs	Methyl acetate			ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.47	J
VOCs	Methylene chloride	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	5.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-44	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45	W-45
				Date	8/30/2018	10/17/2018	1/23/2019	10/14/2019	4/16/2020	10/16/2020	4/19/2021	10/18/2021	4/15/2022	10/17/2022	4/14/2023	10/16/2023	8/5/2018	11/4/2018	1/18/2019	10/2/2019	4/15/2020	10/14/2020	4/13/2021	10/14/2021	4/12/2022	10/12/2022	4/12/2023	4/12/2023	10/16/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47
				Date	11/4/2018	1/22/2019	10/21/2019	4/22/2020	10/21/2020	4/20/2021	10/21/2021	4/15/2022	10/14/2022	4/14/2023	10/17/2023	1/21/2015	4/16/2015	7/16/2015	10/13/2015	1/20/2016	4/21/2016	7/12/2016	10/18/2016	1/13/2017	4/7/2017	7/12/2017	10/13/2017	1/15/2018	4/22/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.819 #	0.0455 #	0.656 #	1.97 #	0.0488 #	0.790 #	1.25 #	3.55	NA	NA	NA	0.0655 #	1.70 #	1.75 #	2.46 #	0.604 #	1.93 #	3.29 #	1.89 #	5.49	2.64 #	1.62 #	1.53 #	2.97 #	4.24
Radiological	Beta particles	50	*	pCi/L	48.6	41.3	40.4	34.4	27.4	36.9	37.5	31.0	NA	NA	NA	83.1	71.9	79.4	62.6	71.2	51.4	39.1	38.1	64.5	66.3	61.5	73.5	68.7	56.3
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.5 #	0 ##	135 #	41.9 #	281 #	0 ##	128 #	0 ##	95.8 #	168 #	0 ##	3.27 #	149 #	163 #
Radiological	Technetium-99	900		pCi/L	49.7	38.2 #	62.8	55.6	70.1	62.5	51.3	53.4	53.0	54.4	49.0	153 #	116 #	28.5 #	177 #	118 #	0 ##	NA	NA	81.7	NA	70.2	70.6	84.1	81.0
Radiological	Uranium-233/234			pCi/L	0.0278 #	0.363 #	0.317 #	0 ##	NA	0.0235 #	0 ##	0.00949 #	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	0.00163 #	0.270	0 ##	0.0467 #	NA	0.0931 #	0 ##	0.0218 #	NA	0.0169 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	0.0435 #	0.362	0.0325 #	0.0605 #	NA	0 ##	0 ##	0 ##	NA	0.306	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	0 #	10.4	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.117 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.117 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	0.033	0.028	0.031 J	0.0180 J	0.03 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	7.6	7.6	7.8	8.7	8.4	7.3	7.7	7.9	8.8	8.2	3.7	34	31	36	37	40	43	44	41	46	52	55	49	55	62
Chemical	Ammonia as N			mg/L	NA	NA	0.0129	0.2	0.0154 J	0.0172 J	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	144	161	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	1.26 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	8640	8610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	< 10.0	1.69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	1.16 J	1.29 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	4980	5590	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	8.93 J	6.23 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	6.13	5.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	2670	2480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	< 30.0	6.39 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	18700	18400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	< 5.00	1.01 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	10.7 J	12.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47
				Date	11/4/2018	1/22/2019	10/21/2019	4/22/2020	10/21/2020	4/20/2021	10/21/2021	4/15/2022	10/14/2022	4/14/2023	10/17/2023	1/21/2015	4/16/2015	7/16/2015	10/13/2015	1/20/2016	4/21/2016	7/12/2016	10/18/2016	1/13/2017	4/7/2017	7/12/2017	10/13/2017	1/15/2018	4/22/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA
VOCs	Benzene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Bromodichloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Bromoform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Bromomethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA
VOCs	Carbon disulfide			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Carbon tetrachloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Chlorobenzene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Chloroethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA
VOCs	Chloroform			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Chloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Cyclohexane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,1-Dichloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Dichlorodifluoromethane			ug/L	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Ethylbenzene	700		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA
VOCs	Methylcyclohexane			ug/L	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Naphthalene (VOC)			ug/L	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Styrene	100		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Tetrachloroethene	5		ug/L	< 5	1.7	2.5	2.2	2.6	2.2	2.9	2.4	2.8	2.6	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8	NA	NA
VOCs	Toluene	1000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Trichloroethene	5		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	0.60 J	0.69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-46	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47
				Date	11/4/2018	1/22/2019	10/21/2019	4/22/2020	10/21/2020	4/20/2021	10/21/2021	4/15/2022	10/14/2022	4/14/2023	10/17/2023	1/21/2015	4/16/2015	7/16/2015	10/13/2015	1/20/2016	4/21/2016	7/12/2016	10/18/2016	1/13/2017	4/7/2017	7/12/2017	10/13/2017	1/15/2018	4/22/2018
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Vinyl chloride	2		ug/L	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Xylenes, Total	10000		ug/L	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48
				Date	7/15/2018	8/30/2018	10/25/2018	1/24/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	7.10	NA	2.23 #	5.21	1.60 #	1.26 #	1.41 #	2.33 #	0 ##	1.06 #	NA	4.94	0.126 #	1.64 #	2.44 #	1.91 #	0.312 #	0 ##	0.463 #	0 ##	0 ##	1.09 #	1.00 #	0 ##	0.497 #
Radiological	Beta particles	50	*	pCi/L	76.8	NA	105	91.2	61.6	56.7	51.5	52.0	51.3	45.4	72.2	75.9	59.5	7.15	11.4	6.43	7.29	8.90	9.55	10.9	6.53	4.15 #	15.6	8.47	6.79
Radiological	Tritium			pCi/L	71.8 #	NA	47.7 #	0 ##	137 #	273 #	0 ##	0 ##	193 #	0 ##	2.38 #	165 #	0 ##	0 ##	0 ##	96.5 #	0 ##	98.8 #	0 ##	0 ##	0 ##	15.1 #	0 ##	142 #	221 #
Radiological	Technetium-99	900		pCi/L	80.4	NA	113	97.8	94.2	86.8	73.4	90.1	37.9	90.4	114	120	85.4	62.3 #	0 ##	0 ##	74.1 #	95.0 #	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	0.382	0 ##	0 ##	NA	0 ##	0.00116 #	0 ##	NA	0 ##	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	0 ##	0 ##	0.0453 #	NA	0.0802 #	0 ##	0.0798 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	0.283	0 ##	0.0103 #	NA	0 ##	0 ##	0.0736 #	NA	0.0201 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-234			ug/L	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-235			ug/L	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Uranium-238			ug/L	NA	NA	0.0797 J	< 0.200	< 0.200	0.102 J	< 0.200	< 0.200	0.0704 J	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	0.0797 J	< 0.200	< 0.200	0.102 J	< 0.200	< 0.200	0.0704 J	< 0.200	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	4.45	3.92	4.38	4.26	3.97	5.1	3.9	4.0	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical	Nitrate as N	10		mg/L	64	NA	84	71	42	44	40	33	33	49	56	62	42	2.3	3.2	3.4	3.6	3.8	4.7	4.1	4.4	4.7	4.5	4.7	4
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	16.5	16.8	14.3	12.1	13.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	571	551	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	5.33 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	260	249	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	2.32 J	1.98 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	22300	18900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	1.24 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	7.85	7.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	8890	7760	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	986	928	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	0.077 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	3.35 J	4.36 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	9220	9070	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	< 30.0	6.52 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	1.53 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	53900	51800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	4.29 J	3.96 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	4.27 J	12.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 8	< 8	< 8	< 8	< 8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	< 200	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 20	< 20	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 8	< 8	< 8	< 8	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 8	< 8	< 8	< 8	< 8
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2-Chlorophenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	2-Methylphenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	2-Nitroaniline			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 8	< 8	< 8	< 8	< 8
SVOCs	2-Nitrophenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 4	< 4	< 4	< 4	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 4	< 4	< 4	< 4	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 8	< 8	< 8	< 8	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	< 200	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 20	< 20	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	4-Chloroaniline			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 8	< 8	< 8	< 8	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	4-Methylphenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 4	< 4	< 4	< 4	< 4
SVOCs	4-Nitroaniline			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 8	< 8	< 8	< 8	< 8
SVOCs	4-Nitrophenol			ug/L	NA	NA	< 200	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 20	< 20	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Acenaphthylene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Acetophenone			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Anthracene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Atrazine	3		ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Benz(a)anthracene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Benzaldehyde			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 8	< 8	< 8	< 8	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	< 1.00	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48
				Date	7/15/2018	8/30/2018	10/25/2018	1/24/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 4	< 4	< 4	< 4	< 4
SVOCs	Caprolactam			ug/L	NA	NA	< 80	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 8	< 8	< 8	< 8	< 8
SVOCs	Carbazole			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Chrysene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Dibenzofuran			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Diethyl phthalate			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Fluorene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	< 200	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 20	< 20	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Isophorone			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Naphthalene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	< 1.00	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Nitrobenzene			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	< 200	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 26	< 25	< 25	< 25	< 25	< 25	< 27	< 20	< 20	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Phenol			ug/L	NA	NA	< 40	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 4	< 4	< 4	< 4	< 4
SVOCs	Pyrene			ug/L	NA	NA	< 8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 5.1	< 5	< 5	< 5	< 5	< 5	< 5.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Bromodichloromethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Bromoform			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Bromomethane			ug/L	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2	< 2
VOCs	2-Butanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Chlorobenzene	100		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Chloroethane			ug/L	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2	< 2
VOCs	Chloroform			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Chloromethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	< 1	< 1	< 10	< 2	< 2	< 2	< 2	< 1
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,1-Dichloroethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2	< 2
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	5.4	7.4	6.1	6.4	4.8	4.2	< 5	3.4	4.3	4.1	3.7	3.3
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	< 1	< 1	< 25	< 5	< 5	< 5	< 5	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	< 1	< 1	< 25	< 5	< 5	< 5	< 5	< 1
VOCs	Ethylbenzene	700		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	2-Hexanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Methylene chloride	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 5	< 1	< 1	< 1	< 1	< 1	< 25	< 5	< 5	< 5	< 5	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1
VOCs	Styrene	100		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1	< 1	< 1	< 1	< 25	< 5	< 5	< 5	< 5	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Tetrachloroethene	5		ug/L	NA	2.1	3.1	2.4	1.6	1.6	1.3	1.6	1.3	2.1	2.2	2.8	1.3	140	170	170	190	190	220	220	160	100	180	160	170
VOCs	Toluene	1000		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Trichloroethene	5		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.66 J	0.42 J	4	5.5	7.7	8.2	6.5	7.3	7	5.7	8.7	8.2	7.7	7.9

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-47	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48
				Date	7/15/2018	8/30/2018	10/25/2018	1/24/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	1/12/2015	4/9/2015	7/10/2015	10/9/2015	1/20/2016	4/18/2016	7/5/2016	10/6/2016	1/10/2017	4/3/2017	7/6/2017	10/13/2017
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2	< 1	< 1	< 1	< 1	< 1	< 10	< 2	< 2	< 2	< 2	< 1
VOCs	Vinyl chloride	2		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1	< 1	< 10	< 2	< 2	< 2	< 2	< 1
VOCs	Xylenes, Total	10000		ug/L	NA	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49
				Date	1/9/2018	4/10/2018	7/10/2018	10/25/2018	1/24/2019	10/21/2019	10/21/2019	4/21/2020	10/20/2020	4/19/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	12/13/2018	1/29/2019	10/24/2019	10/24/2019	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/19/2022
				Type	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	2.12 #	0.0511 #	2.93 #	0.639 #	3.90	0.460 #	0 ##	0 ##	1.45 #	1.76 #	0 ##	0.0436 #	1.28 #	0.422 #	0.326 #	3.26 #	3.87	0.196 #	1.80 #	5.78	0.338 #	0 ##	2.23 #	0.565 #	NA
Radiological	Beta particles	50	*	pCi/L	28.3	4.88	16.1	14.8	15.7	9.32	7.64	7.20	7.90	12.6	13.7	5.98	5.92	9.73	4.17 #	0.727 #	2.72 #	4.34 #	0.719 #	6.76	1.81 #	7.26	0 ##	3.38 #	NA
Radiological	Tritium			pCi/L	0 ##	0 ##	260 #	0 ##	0 ##	87.4 #	190 #	0 ##	0 ##	49.3 #	132 #	124 #	0 ##	263 #	60.8 #	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	NA	0 ##	13.1 #	14.9 #	13.8	14.9	16.4	14.9	15.2	17.9	13.1	14.5	27.2 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	2.27 #	0.0495 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	NA	0.294	0.0449 #	0.231 #	0.00192 #	NA	0 ##	0 ##	0.0808 #	NA	0.174 #	NA	0.314 #	0.354 #	0.154 #	0.432	0 ##	NA	0 ##	0 ##	0 ##	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	NA	0.425	0.106 #	0.0663 #	0 ##	NA	0.0465 #	0 ##	0.0348 #	NA	0.0288 #	NA	0.0196 #	0.171 #	0.0321 #	0.0321 #	0 ##	NA	0.0396 #	0 ##	0.00184 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	NA	0.194 #	0.0109 #	0.00988 #	0.00138 #	NA	0 ##	0.0103 #	0 ##	NA	0.0182 #	NA	0.198 #	0.199 #	0.0380 #	0.0260 #	0.0102 #	NA	0.0236 #	0.0110 #	0.0668 #	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	NA	25.3	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA
Radiological	Uranium-234			ug/L	NA	NA	NA	< 0.0500	< 0.0500	< 0.050	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	< 0.0700	< 0.0700	< 0.070	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	0.0922 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.104 J	0.0731 J	0.0695 J	0.0865 J	0.0735 J	< 0.200	< 0.200	0.0826 J	< 0.200	0.0673 J
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	0.0922 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.104 J	0.0731 J	0.0695 J	0.0865 J	0.0735 J	< 0.200	< 0.200	0.0826 J	< 0.200	0.0673 J
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	NA	0.33	0.321	0.36	0.31	0.370	0.31	0.40	0.36	0.41	0.43	NA	NA	0.003	0.053	0.011	< 0.1	0.129	0.01 J	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	4.6	5	4.6	5.3	5	5.3	4.9	5.1	5.4	4.8	5.5	6.0	5.8	4.7	5.2	< 0.02	< 0.02	< 0.020	< 0.020	< 0.02	0.13	< 0.020	< 0.020	< 0.020	< 0.020
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	0.0446	0.0422	0.0347	0.0976 J	0.0206 J	0.0348 J	NA	NA	NA	NA	NA	NA	0.0151	0.0097	0.0229	0.0118 J	0.0189 J	0.0537 J	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	70.4 J	87.4 J	85.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	6.8 J	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	97.1	99.1	105	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.5	11.6	8.93	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	5690	5870	6080	NA	NA	NA	NA	NA	NA	NA	NA	NA	729	790	690	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	< 10.0	1.11 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.3 J	14.7	1.09 J	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	1.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.25 J	1.19 J	1.12 J	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	817	1010	487	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	2230	2300	2330	NA	NA	NA	NA	NA	NA	NA	NA	NA	296 J	333	293 J	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	26.9	28.8	37.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.85 J	9.89 J	8.09 J	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	0.082 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.11 J	3.61 J	< 5.00	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	2940	3030	3420	NA	NA	NA	NA	NA	NA	NA	NA	NA	607	732	620	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	10100	10400	10200	NA	NA	NA	NA	NA	NA	NA	NA	NA	3660	3900	3570	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	4.74 J	5.1 J	7.02 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.09 J	9.19 J	10.9 J	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.24	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	4.1	< 4.0	< 4.0	< 1.00 < 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49
				Date	1/9/2018	4/10/2018	7/10/2018	10/25/2018	1/24/2019	10/21/2019	10/21/2019	4/21/2020	10/20/2020	4/19/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	12/13/2018	1/29/2019	10/24/2019	10/24/2019	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/19/2022
				Type	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	1.7 J	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA
SVOCs	Carbazole			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Isophorone			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	1.1	< 0.16	< 0.16	1.3	< 1.00 < 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.98	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Phenol			ug/L	< 4	< 4	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0
VOCs	Benzene	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0
VOCs	Chloroform			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	3.5	4.3	3.2	2.2	2.1	2.1	2.0	1.9	2.2	2.2	2.0	1.6	1.3	2.0	1.9	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0
VOCs	Methylene chloride	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
VOCs	Naphthalene (VOC)			ug/L	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	170	150	170	150	180	200	200	160	140	160	220	190	160	150	210	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	8.8	7.4	6.4	4.9	5.1	4.9	4.7	4.9	5.4	4.8	4.8	4.4	2.9	5.7	4.9	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-48	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49	W-49
				Date	1/9/2018	4/10/2018	7/10/2018	10/25/2018	1/24/2019	10/21/2019	10/21/2019	4/21/2020	10/20/2020	4/19/2021	10/19/2021	4/19/2022	10/18/2022	4/17/2023	10/18/2023	12/13/2018	1/29/2019	10/24/2019	10/24/2019	4/23/2020	10/21/2020	4/19/2021	10/20/2021	4/18/2022	10/19/2022
				Type	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-49	W-49	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51
				Date	4/14/2023	10/19/2023	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	9/25/2018	10/9/2018	10/28/2018	1/25/2019	10/3/2019	4/9/2020	10/14/2020	4/13/2021	10/13/2021	4/11/2022	10/12/2022	4/12/2023	10/3/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	1.34 #	3.48 #	1.63 #	1.79 #	2.28 #	0.966 #	0.820 #	NA	NA	NA	NA	NA	NA	2.27 #	0.544 #	0.101 #	2.20 #	0 ##	1.28 #	0 ##	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	1.59 #	0.0720 #	3.92	0.149 #	1.57 #	4.28	2.21 #	NA	NA	NA	NA	NA	NA	3.49 #	3.56	0.258 #	1.88 #	4.56	3.90 #	2.46 #	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	1.81 #	3.95 #	4.64 #	0 ##	0 ##	0.678 #	0 ##	0.173 #	0.661 #	0 ##	0 ##	1.62 #	NA	NA	NA	5.46 #	0 ##	0 ##	1.67 #	0 ##	0 ##	0 ##	1.14 #	0.559 #	0 ##
Radiological	Uranium-233/234			pCi/L	0.288 #	NA	0.685	0.279 #	0.314 #	NA	0.0632 #	0 ##	0.166 #	NA	0.129 #	NA	NA	NA	NA	0.230 #	0.0146 #	0 ##	NA	0.0240 #	0 ##	0.0408 #	NA	0.0886 #	0.121 #
Radiological	Uranium-235/236			pCi/L	0 ##	NA	0.265	0.0468 #	0.0999 #	NA	0 ##	0.0722 #	0.00277 #	NA	0.0726 #	NA	NA	NA	NA	0.0672 #	0.0799 #	0 ##	NA	0.0167 #	0 ##	0 ##	NA	0.132 #	0 #
Radiological	Uranium-238			pCi/L	0.0884 #	NA	0.188 #	0.201 #	0.133 #	NA	0 ##	0.0400 #	0.242 #	NA	0.0588 #	NA	NA	NA	NA	0.123 #	0 ##	0 ##	NA	0.0587 #	0 ##	0 ##	NA	0.205	0.0188 #
Radiological	Percent Uranium-235			%	0 #	NA	18.0	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.103 J	< 0.200	0.0876 J	0.101 J	0.151 J	0.171 J	0.117 J	0.180 J	0.184 J	0.213	0.123 J	0.236	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	0.0737 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.103 J	< 0.200	0.0876 J	0.101 J	0.151 J	0.171 J	0.117 J	0.180 J	0.184 J	0.213	0.123 J	0.236	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	0.0737 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	NA	0.035	< 0.1	< 0.1	0.00900 J	0.016 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	0.215	0.173	0.195	0.191	0.224	0.21	0.19	0.17	0.18
Chemical	Nitrate as N	10		mg/L	0.028	< 0.020	< 0.02	< 0.020	< 0.02	0.056	< 0.020	< 0.020	0.081	< 0.020	< 0.020	< 0.020	0.027	NA	0.03	0.023	0.11	0.046	0.043	0.088	0.11	0.079	0.077	0.13	0.069
Chemical	Ammonia as N			mg/L	NA	NA	NA	0.0185	0.0171	0.0328 J	0.0244 J	0.0252 J	NA	NA	NA	NA	NA	NA	NA	NA	0.256	0.0106	0.305	0.206	0.166	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	8.87	8.63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57	36.3	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	733	619	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11600	11600	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	2.36 J	2.23 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.06 J	4.37 J	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	443	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40100	38900	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	335	265 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3830	3850	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	10.4	9.61 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	822	971	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	< 0.200	0.079 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	3.06 J	3.19 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.2	24.5	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	670	1210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2700	1890	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.58 J	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	3180	2830	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8610	6800	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	11.8 J	14.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.65 J	9.14 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	13	12	7.4	13	6.8	5.0	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 100	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	8.5	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 100	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 100	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	1.1	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	0.29	< 0.16	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 1.00	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-49	W-49	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51
				Date	4/14/2023	10/19/2023	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	9/25/2018	10/9/2018	10/28/2018	1/25/2019	10/3/2019	4/9/2020	10/14/2020	4/13/2021	10/13/2021	4/11/2022	10/12/2022	4/12/2023	10/3/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 40	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	4.5	4.9	< 4.0	6.1	4.9	2.2	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	0.84	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	1.3	< 0.80	3	0.17	0.28	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 100	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	< 1.00	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	3.5	< 0.80	12	0.23	0.76	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 100	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	< 0.96	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.98	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	1.8	1.8	< 0.80	2.9	0.67	0.49	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 20	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	1.2	1.1	1.5	< 1.0	< 1.0	1.3	< 1.0	0.41 J	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Carbon disulfide			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	Chloroform			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	2.7	< 1.0	5.2	< 1.0	< 1.0	< 1.0	3.1	< 1.0	5.6	NA
VOCs	2-Hexanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	4	< 1.0	< 1.0	< 1.0	2.3	< 1.0	5.6	NA
VOCs	Methyl acetate			ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.0 J	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-49	W-49	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-50	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51	W-51
				Date	4/14/2023	10/19/2023	1/24/2019	10/15/2019	4/16/2020	10/15/2020	4/12/2021	10/12/2021	4/11/2022	10/11/2022	4/18/2023	10/17/2023	9/25/2018	10/9/2018	10/28/2018	1/25/2019	10/3/2019	4/9/2020	10/14/2020	4/13/2021	10/13/2021	4/11/2022	10/12/2022	4/12/2023	10/3/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	NA	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53
				Date	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/13/2021	4/11/2022	10/12/2022	4/11/2023	10/3/2023	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	0.246 #	0 ##	2.41 #	0.198 #	1.37 #	1.20 #	0.835 #	NA	NA	NA	NA	NA	NA	0.101 #	1.61 #	0 ##	0 ##	0.771 #	2.12 #	0.303 #	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	2.71 #	1.61 #	2.43 #	4.12	0 ##	1.65 #	5.46	NA	NA	NA	NA	NA	NA	0.0470 #	1.72 #	3.20 #	2.09 #	3.45 #	1.55 #	4.93	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	NA	NA	0 ##	0 ##	0 ##	0.0513 #	0 ##	0 ##	0.0567 #	1.69 #	3.22 #	0.423 #	NA	NA	NA	17.5 #	0 ##	0.874 #	0 ##	0 ##	0 ##	0 ##	1.77 #	1.16 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	0.368	0.121 #	0.0567 #	NA	0 ##	0.0358 #	0.522	NA	0.487	0.164 #	NA	NA	NA	0.376	0.0359 #	0 ##	NA	0.00350 #	0 ##	0 ##	NA	0.104 #
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	0.0774 #	0.115	0.00430 #	NA	0 ##	0 ##	0.0139 #	NA	0.150 #	0 #	NA	NA	NA	0.175 #	0 ##	0.0382 #	NA	0 ##	0 ##	0 ##	NA	0.0219 #
Radiological	Uranium-238			pCi/L	NA	NA	NA	0.125 #	0.00124 #	0.00348 #	NA	0 ##	0 ##	0.0610 #	NA	0.188 #	0.106 #	NA	NA	NA	0.112 #	0 ##	0 ##	NA	0.0319 #	0 ##	0.126 #	NA	0.256
Radiological	Percent Uranium-235			%	NA	NA	NA	0 #	93.5	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	NA	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	NA	NA	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	NA	NA	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0107 J	< 0.0700	NA	NA	NA	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	NA	NA	< 0.200	< 0.200	< 0.200	0.0983 J	< 0.200	0.0922 J	0.299	0.132 J	0.416	0.0877 J	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	NA	NA	< 0.200	< 0.200	< 0.200	0.0983 J	< 0.200	0.0922 J	0.299	0.132 J	0.427	0.0877 J	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	NA	NA	1.39	0.992	1.01	0.913	1.54	0.79	0.57	0.87	0.98	NA	NA	NA	NA	0.081	0.017	0.092 J	0.0520 J	0.063 J	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	0.67	NA	2.3	2.4	1.3	2	0.82	2.1	0.68	0.49	0.26	0.60	0.79	2.1	NA	0.67	0.063	0.57	0.033	0.12	0.070	0.33	0.13	< 0.040	0.094
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.0212	0.0272	0.0279 J	0.0296 J	0.0301 J	NA	NA	NA	NA	NA	NA	NA	NA	0.0397	0.108	0.0457 J	0.0273 J	0.0245 J	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	7.32 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	59.9	37.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.2	46.7	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	11100	12100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15600	11100	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	1.41 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	6.28	5.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	12.5	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	2400	1050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5620	2640	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	3740	4030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6580	5220	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	696	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	376	540	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	122	176	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.91 J	37.2	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	2430	1530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3570	2120	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	7.27 J	9.93 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.06 J	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	30900	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10700	7520	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	11.6 J	10.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.2 J	13.1 J	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	3.2	3.5	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	4.0	< 4	5.3	2.4	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	4.4	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	1.1	< 0.8	< 0.8	< 0.80	< 0.8	0.37	0.16	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	0.37	< 0.16	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	0.91	0.33	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53
				Date	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/13/2021	4/11/2022	10/12/2022	4/11/2023	10/3/2023	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	1.7	1.4	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	4.4	< 4	6.2	2.3	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	1.8	< 0.80	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	0.28	NA	NA	NA	NA	NA	NA	1.8	< 0.8	< 0.8	1.0	1.5	2.6	0.95	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	0.20	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 0.10	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.93	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	1.9	< 0.8	< 0.8	5.2	4	4.4	1.6	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	0.25	< 0.16	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	1.1	1.1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	2.6	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	33	NA	19	46	< 1.0	5.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	NA	< 5	4.6	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-52	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53	W-53
				Date	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/13/2021	4/11/2022	10/12/2022	4/11/2023	10/3/2023	9/24/2018	10/9/2018	10/28/2018	1/26/2019	10/3/2019	4/9/2020	10/12/2020	4/12/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	NA	< 2	2.1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-53	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-55	W-55	W-55	W-55	W-55	W-55	W-55	W-55
				Date	10/3/2023	9/24/2018	10/8/2018	10/28/2018	1/26/2019	10/4/2019	10/4/2019	4/9/2020	10/12/2020	10/12/2020	4/9/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023	10/3/2023	9/24/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/8/2020	10/12/2020	4/9/2021	10/11/2021
				Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	NA	0 ##	1.55 #	1.53 #	0.275 #	0.109 #	0 ##	0.357 #	0 ##	0.384 #	NA	NA	NA	NA	NA	NA	466	438	271	331	232	276
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	NA	3.58 #	1.96 #	0.741 #	1.60 #	2.30 #	2.70 #	1.63 #	2.06 #	3.98	NA	NA	NA	NA	NA	NA	84.0	77.3	52.9	47.9	35.3	61.1
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	NA	NA	NA	6.19 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	1.61 #	0 ##	NA	NA	NA	NA	0 ##	0 ##	0 ##	0 ##	0.411 #	0.449 #
Radiological	Uranium-233/234			pCi/L	0.0599 #	NA	NA	NA	0.779	0.0685 #	0.101 #	0 ##	NA	NA	0 ##	0.199 #	0.0500 #	NA	0.106 #	0.161 #	NA	NA	NA	283	290	197	241	207	182
Radiological	Uranium-235/236			pCi/L	0.0735 #	NA	NA	NA	0.286	0 ##	0.0554	0.0287 #	NA	NA	0.00768 #	0.0718 #	0 ##	NA	0.0804 #	0.113	NA	NA	NA	19.1	16.3	9.43	12.2	9.64	9.38
Radiological	Uranium-238			pCi/L	0.165	NA	NA	NA	0.405	0.0126 #	0.0560 #	0 ##	NA	NA	0.0468 #	0.0172 #	0.0478 #	NA	0.107 #	0.123 #	NA	NA	NA	69.4	60.5	39.4	49.4	41.9	34.0
Radiological	Percent Uranium-235			%	0 #	NA	NA	NA	9.88	0 #	13.3	0 #	NA	NA	0 #	0 #	0 #	NA	0 #	12.5	NA	NA	NA	4.10	4.01	3.58	3.69	3.45	4.11
Radiological	Uranium-234			ug/L	< 0.0500	NA	NA	NA	< 0.0500	< 0.050	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	0.0459 J	0.052	0.032 J	< 0.0500	0.0320 J	0.0340 J
Radiological	Uranium-235			ug/L	< 0.0700	NA	NA	NA	< 0.0700	< 0.070	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	5.6	5.79	3.77	4.9	3.53	3.87
Radiological	Uranium-238			ug/L	< 0.200	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0703 J	< 0.200	NA	NA	NA	172	177	112	150	99.6	117
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	NA	NA	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0703 J	< 0.200	NA	NA	NA	178	183	115	155	103	121
Chemical	Fluoride	4		mg/L	< 0.10	NA	NA	NA	NA	0.258	0.26	0.093	0.222	0.209	0.117	0.137	0.31	< 0.10	< 0.10	0.13	NA	NA	NA	NA	0.062	0.047	0.057 J	0.0300 J	0.048 J
Chemical	Nitrate as N	10		mg/L	0.30	2.2	NA	2.9	3	2.8	2.8	1.7	2.1	2.2	1.8	2.0	2.4	1.6	1.1	1.2	5.1	NA	3.3	3.5	3.7	2	2.4	1.3	1.8
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	0.0037	0.0125	0.0156	0.0178 J	0.0196 J	0.0244 J	0.0214 J	NA	NA	NA	NA	NA	NA	NA	NA	0.0108	0.026	0.0136 J	0.0282 J	0.0148 J
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	4.12 J	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	61.2	61.8	46.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.6	34.6	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	11900	12100	8530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8400	7700	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	2.36 J	2.48 J	1.71 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.03 J	3.49 J	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	1190	1230	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	38.9 J	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	4910	4970	4050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5170	4010	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	29.9	32.1	46.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.76 J	3.52 J	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	144	127	109	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.3	28.9	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	2590	2610	1870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2130	1640	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	13.1 J	15.4 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.89 J	< 30.0	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	10900	10800	8620	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11400	8700	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	6.15 J	6.82 J	6.07 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38 J	11.3 J	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Acenaphthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acetophenone			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Atrazine	3		ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA

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				Well	W-53	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-55	W-55	W-55	W-55	W-55	W-55	W-55	W-55
				Date	10/3/2023	9/24/2018	10/8/2018	10/28/2018	1/26/2019	10/4/2019	10/4/2019	4/9/2020	10/12/2020	10/12/2020	4/9/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023	10/3/2023	9/24/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/8/2020	10/12/2020	4/9/2021	10/11/2021
				Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Caprolactam			ug/L	NA	NA	< 8	< 8	< 8	< 8.0	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Carbazole			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Chrysene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Fluoranthene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Fluorene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	0.35	0.35	0.33	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Isophorone			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Naphthalene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.93	NA
SVOCs	Phenanthrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Phenol			ug/L	NA	NA	< 4	< 4	< 4	< 4.0	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pyrene			ug/L	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	< 2	NA	< 5	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	< 2	NA	< 5	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2	NA	< 5	< 2	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.69 J	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	NA	< 5	NA	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	NA	< 5	NA	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-53	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-54	W-55	W-55	W-55	W-55	W-55	W-55	W-55	W-55
				Date	10/3/2023	9/24/2018	10/8/2018	10/28/2018	1/26/2019	10/4/2019	10/4/2019	4/9/2020	10/12/2020	10/12/2020	4/9/2021	10/12/2021	4/8/2022	10/10/2022	4/11/2023	10/3/2023	9/24/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/8/2020	10/12/2020	4/9/2021	10/11/2021
				Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 1	NA	< 5	< 1	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-55	W-55	W-55	W-55	W-55	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-57	W-57	W-57	W-57	W-57	W-57	W-57
				Date	4/8/2022	##########	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/7/2020M	10/8/2020	4/9/2021	10/11/2021	4/7/2022	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/3/2019	4/7/2020	10/8/2020
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	221	204	NA	NA	NA	NA	NA	NA	257	264	60.9	190	102	309	390	NA	NA	NA	NA	NA	NA	1.89 #	0.202 #	8.21	1.65 #
Radiological	Beta particles	50	*	pCi/L	56.6	45.7	NA	NA	NA	NA	NA	NA	57.1	54.5	10.1	38.7	19.5	72.3	86.5	NA	NA	NA	NA	NA	NA	1.46 #	3.09 #	5.21	1.54 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.379 #	0.700 #	0.383 #	0 ##	0.0992 #	NA	NA	NA	12.7 #	0 ##	0 ##	0 ##	0 ##	0.222 #	0 ##	1.08 #	1.20 #	2.13 #	NA	NA	NA	0 ##	0 ##	0 ##	0 ##
Radiological	Uranium-233/234			pCi/L	177	215	NA	NA	NA	NA	NA	NA	176	192	47.7	162	84.5	231	302	NA	NA	NA	NA	NA	NA	0.570	0 ##	0.00106 #	NA
Radiological	Uranium-235/236			pCi/L	9.70	9.30	NA	NA	NA	NA	NA	NA	12.1	9.18	2.29	8.10	3.90	12.2	15.0	NA	NA	NA	NA	NA	NA	0.212 #	0 #	0.0293 #	NA
Radiological	Uranium-238			pCi/L	34.1	40.6	NA	NA	NA	NA	NA	NA	43.7	37.9	9.79	34.1	17.9	49.0	62.9	NA	NA	NA	NA	NA	NA	0.304	0.0165 #	0 ##	NA
Radiological	Percent Uranium-235			%	4.23	3.44	NA	NA	NA	NA	NA	NA	4.12	3.63	3.50	3.56	3.28	3.72	3.57	NA	NA	NA	NA	NA	NA	0 #	0 #	0 #	NA
Radiological	Uranium-234			ug/L	0.0330 J	0.0340 J	0.0300 J	0.0290 J	0.0250 J	NA	NA	NA	0.0343 J	0.034 J	< 0.0500	< 0.0500	0.0140 J	0.0410 J	0.0520	0.0780	0.138	0.177	NA	NA	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	3.99	3.77	3.45	2.99	2.50	NA	NA	NA	4.05	4.19	0.98	3.08	1.38	4.44	5.80	9.10	14.0	18.2	NA	NA	NA	< 0.0700	< 0.070	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	116	111	103	86.6	71.4	NA	NA	NA	128	130	30	97.4	40.0	139	173	282	432	534	NA	NA	NA	0.247	0.207	< 0.200	0.0758 J
Radiological	Total Uranium Isotopes	30		ug/L	120	115	107	89.6	73.9	NA	NA	NA	132	134	31	100	41.4	143	178	291	446	552	NA	NA	NA	0.247	0.207	< 0.200	0.0758 J
Chemical	Fluoride	4		mg/L	< 0.10	0.61	< 0.10	< 0.100	< 0.10	NA	NA	NA	NA	0.257	0.241	0.309	0.298	0.297	0.33	0.33	0.305	0.35	NA	NA	NA	NA	0.057	0.073	0.09 J
Chemical	Nitrate as N	10		mg/L	3.5	3.2	1.6	NA	1.5	6.5	NA	6.5	4.1	4.2	2.8	4.4	2.6	3.0	3.5	2.3	NA	2.4	6.2	NA	6.6	5.7	4.6	3.5	3.3
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.009	0.011	0.0905 J	0.0244 J	0.0763 J	NA	NA	NA	NA	NA	NA	NA	NA	0.0155	0.0155	0.0227 J
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39 J	3.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 J	7.28 J	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	57.1	53.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.4	53.4	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	11300	8730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10600	9480	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.16 J	2.24 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.38 J	3.48 J	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	35.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.6 J	< 100	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	5.65 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	5480	4060	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5240	4440	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.66 J	6.95 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.9	6.23 J	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.73 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.6	36.5	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2710	2040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2740	2080	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.58 J	9.37 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.1 J	11.9 J	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.08 J	< 5.00	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	14000	9910	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12300	9700	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.45 J	8.45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.15 J	11 J	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-55	W-55	W-55	W-55	W-55	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-57	W-57	W-57	W-57	W-57	W-57	W-57
				Date	4/8/2022	##########	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/7/2020M	10/8/2020	4/9/2021	10/11/2021	4/7/2022	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/3/2019	4/7/2020	10/8/2020
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 5.00	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 5.00	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 5.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	1.2	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.00	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	1.7	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 5.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.00	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 1.00	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.00	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 2.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 5.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-55	W-55	W-55	W-55	W-55	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-56	W-57	W-57	W-57	W-57	W-57	W-57	W-57
				Date	4/8/2022	##########	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/26/2019	10/4/2019	4/7/2020M	10/8/2020	4/9/2021	10/11/2021	4/7/2022	10/7/2022	4/4/2023	10/12/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/3/2019	4/7/2020	10/8/2020
				Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 3.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.00	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-57	W-57	W-57	W-57	W-57	W-57	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-59	W-59	W-59	W-59	W-59	W-59
				Date	4/8/2021	10/7/2021	4/7/2022	10/7/2022	4/11/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/4/2019	4/7/2020	10/8/2020	4/8/2021	10/11/2021	4/7/2022	10/7/2022	4/6/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/5/2019	4/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0 ##	0.771 #	2.17 #	NA	NA	NA	NA	NA	NA	7.03	4.21	2.39 #	2.38 #	0.823 #	4.22	1.76 #	NA	NA	NA	NA	NA	NA	80.7	44.4	25.3
Radiological	Beta particles	50	*	pCi/L	3.27 #	1.93 #	0.416 #	NA	NA	NA	NA	NA	NA	5.66	2.43 #	1.85 #	3.30 #	2.07 #	2.33 #	0.510 #	NA	NA	NA	NA	NA	NA	16.8	17.4	9.33
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	15.0	0 ##	0.260 #	1.91 #	0.0147 #	NA	NA	NA	18.7 #	0 ##	0 ##	0 ##	0 ##	0.985 #	0 ##	0.423 #	0.977 #	0.586 #	NA	NA	NA	6.21 #	13.0 #	7.86
Radiological	Uranium-233/234			pCi/L	0.0633 #	0.180 #	0.0102 #	NA	4.63	NA	NA	NA	NA	3.04	2.10	1.62	NA	1.38	1.40	0.910	NA	1.25	NA	NA	NA	NA	42.7	38.0	20.1
Radiological	Uranium-235/236			pCi/L	0.0285 #	0.0640 #	0 ##	NA	0.0693 #	NA	NA	NA	NA	0.500	0.104 #	0 ##	NA	0.0251 #	0.121 #	0.00966 #	NA	0.0841 #	NA	NA	NA	NA	3.19	2.02	0.927
Radiological	Uranium-238			pCi/L	0 ##	0.0235 #	0.0646 #	NA	0.989	NA	NA	NA	NA	1.17	0.331 #	0.399	NA	0.208 #	0.128 #	0.182	NA	0.337	NA	NA	NA	NA	10.1	8.26	4.58
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	6.24	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	NA	NA	4.68	3.66	3.05
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	NA	NA	< 0.0500	< 0.050	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	NA	NA	0.0444 J	0.049 J	0.0326 J	0.0346 J	0.0244 J	0.0319 J	0.0232 J	0.0263 J	0.0199 J	0.0182 J	NA	NA	NA	0.856	0.659	0.379
Radiological	Uranium-238			ug/L	< 0.200	0.0988 J	0.0809 J	0.319	0.0697 J	< 0.200	NA	NA	NA	1.51	1.67	1.02	1.05	0.741	0.966	0.775	0.819	0.654	0.482	NA	NA	NA	28.4	21.6	12.4
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.0988 J	0.0809 J	0.319	0.0697 J	< 0.200	NA	NA	NA	1.55	1.72	1.05	1.08	0.765	0.998	0.798	0.845	0.674	0.500	NA	NA	NA	29.2	22.2	12.8
Chemical	Fluoride	4		mg/L	0.0680 J	0.107	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	0.18	0.099	0.105	0.0910 J	0.083 J	0.10	0.17	< 0.10	0.12	NA	NA	NA	NA	4.18	2.9
Chemical	Nitrate as N	10		mg/L	2.3	2.5	1.8	1.6	1.8	1.4	17	NA	16	11	9.7	4.3	5.3	3.9	2.2	5.5	210	7.2	5.8	26	NA	21	21	14	20
Chemical	Ammonia as N			mg/L	0.0383 J	0.0298 J	NA	NA	NA	NA	NA	NA	NA	NA	18.6	6.28	7.76	5.51	3.51	NA	NA	NA	NA	NA	NA	NA	NA	12.3	8.82
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38 J	6.64 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.22 J	4.05 J
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	167	108	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	270
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17500	16000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16400	20400
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.05 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.27 J
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.41 J
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6050	5450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6590	7400
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208	265	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62.8	134
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96.7	135	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3	8.03
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4300	2730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6120	4850
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.88 J	7.68 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.65 J	7 J
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.08 J	< 5.00
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18600	14300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41800	33400
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.04 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.31	3.12 J
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.83 J	11.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.86 J	9.85 J
SVOCs	1,1'-Biphenyl			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4-Dichlorophenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2,4-Dimethylphenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2,4-Dinitrophenol			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2-Chloronaphthalene			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Chlorophenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Methylnaphthalene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	2-Methylphenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	2-Nitroaniline			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	2-Nitrophenol			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	3-Nitroaniline			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Chloroaniline			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Methylphenol			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	4-Nitroaniline			ug/L	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	4-Nitrophenol			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20
SVOCs	Acenaphthene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Acenaphthylene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Acetophenone			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Anthracene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Atrazine	3		ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Benz(a)anthracene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzaldehyde			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-57	W-57	W-57	W-57	W-57	W-57	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-59	W-59	W-59	W-59	W-59	W-59
				Date	4/8/2021	10/7/2021	4/7/2022	10/7/2022	4/11/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/4/2019	4/7/2020	10/8/2020	4/8/2021	10/11/2021	4/7/2022	10/7/2022	4/6/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/5/2019	4/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Caprolactam			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8	< 8.0	< 8
SVOCs	Carbazole			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Chrysene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Dibenzofuran			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Diethyl phthalate			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Dimethyl phthalate			ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Fluoranthene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Fluorene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Hexachlorobutadiene			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20
SVOCs	Hexachloroethane			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Isophorone			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Naphthalene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Nitrobenzene			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Pentachlorophenol	1		ug/L	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Phenol			ug/L	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4	< 4.0	< 4
SVOCs	Pyrene			ug/L	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.8	< 0.80	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	NA	< 5	< 2	< 2.0	< 2
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5	NA	< 5.0	< 5
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	0.53 J	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.61 J	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 5	NA	< 1.0	< 1
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 5	< 1	< 1.0	< 1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-57	W-57	W-57	W-57	W-57	W-57	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-58	W-59	W-59	W-59	W-59	W-59	W-59
				Date	4/8/2021	10/7/2021	4/7/2022	10/7/2022	4/11/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/4/2019	4/7/2020	10/8/2020	4/8/2021	10/11/2021	4/7/2022	10/7/2022	4/6/2023	10/6/2023	9/25/2018	10/8/2018	10/27/2018	1/27/2019	10/5/2019	4/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	NA	< 2	< 1	< 1.0	< 1
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	NA	< 5	< 1	< 1.0	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-61	W-61	W-61	W-61	W-61	W-61
				Date	10/9/2020	4/9/2021	10/11/2021	4/6/2022	10/7/2022	1/5/2023	4/4/2023	10/10/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	22.2	17.0	17.7	7.96	NA	NA	NA	NA	0.958 #	0.432 #	0.200 #	0.543 #	0.626 #	2.07 #	0.303 #	3.03 #	NA	NA	NA	3.28 #	0 ##	1.31 #	0.373 #	2.25 #	0.0623 #
Radiological	Beta particles	50	*	pCi/L	13.4	6.84	10.3	7.40	NA	NA	NA	NA	0.923 #	0 ##	1.38 #	3.08 #	3.19 #	7.69	2.00 #	1.16 #	NA	NA	NA	3.82	5.01	0.862 #	6.86	1.66 #	3.91 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	7.00	6.86	7.63	0.310 #	5.68	NA	17.3	20.5	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	1.43 #	0 ##	1.52 #	3.28 #	0.123 #	0 ##	2.09 #	0 ##	0 ##	1.67 #	0 ##
Radiological	Uranium-233/234			pCi/L	15.2	10.7	13.0	6.52	NA	NA	NA	NA	0.250 #	0.409	0.0248 #	0 ##	NA	0 ##	0.0239 #	0 ##	NA	0 ##	0.0772 #	0.282 #	0.557	0 ##	0.0228 #	NA	0 ##
Radiological	Uranium-235/236			pCi/L	0.869	0.490	0.590	0.406	NA	NA	NA	NA	0 #	0.290	0.0418 #	0 ##	NA	0 ##	0.0858 #	0.0343 #	NA	0.0543 #	0.0220 #	0.130 #	0.359	0.0596 #	0 ##	NA	0.0564 #
Radiological	Uranium-238			pCi/L	3.61	2.02	2.67	1.47	NA	NA	NA	NA	0.0591 #	0.452	0.00356 #	0 ##	NA	0 ##	0 ##	0.0699 #	NA	0.0444 #	0.0534 #	0.0335 #	0.365	0.0254 #	0.00788 #	NA	0 ##
Radiological	Percent Uranium-235			%	3.60	3.63	3.32	4.10	NA	NA	NA	NA	0 #	9.05	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	13.2	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	0.316	0.200	0.286	0.125	0.121	NA	0.195	0.220	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	9.88	6.57	9.66	3.99	3.89	NA	6.30	6.93	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	10.2	6.77	9.95	4.12	4.02	NA	6.49	7.15	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	3.95	2.86	2.9	1.8	NA	1.5	1.33	2.9	NA	NA	0.034	0.024	< 0.1	0.0160 J	0.027 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	0.036	0.041	0.038 J	0.0160 J
Chemical	Nitrate as N	10		mg/L	17	13	20	14	27	NA	NA	80	0.11	0.02	0.035	< 0.02	0.078	< 0.020	0.055	< 0.020	0.19	0.060	0.15	0.051	0.48	2.5	1.4	2.5	2.5
Chemical	Ammonia as N			mg/L	12	7.05	7.1	NA	NA	NA	NA	NA	NA	NA	0.0251	0.128	0.0307 J	0.0259 J	0.0307 J	NA	NA	NA	NA	NA	NA	NA	0.0274	0.055	0.0259 J	0.0176 J
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.44 J	< 20.0	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	121	118	NA	NA	NA	NA	NA	NA	NA	NA	NA	216	189	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6900	6840	NA	NA	NA	NA	NA	NA	NA	NA	NA	10400	11800	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.82 J	1.44 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.12	2.43 J	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3810	4350	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	1490	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.41 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.14 J	< 20.0	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2210	1930	NA	NA	NA	NA	NA	NA	NA	NA	NA	3310	2850	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.8	72.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	330	316	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.81 J	5.29	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2400	2310	NA	NA	NA	NA	NA	NA	NA	NA	NA	3850	3070	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	7.06 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.75 J	< 5.00	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7130	6690	NA	NA	NA	NA	NA	NA	NA	NA	NA	4000	3910	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.33 J	7.19 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.41 J	10.2 J	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Chlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	2-Methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Nitrophenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	3-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloroaniline			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Methylphenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6
SVOCs	4-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4-Nitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Acenaphthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acenaphthylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acetophenone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Atrazine	3		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Benz(a)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzaldehyde			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-61	W-61	W-61	W-61	W-61	W-61
				Date	10/9/2020	4/9/2021	10/11/2021	4/6/2022	10/7/2022	1/5/2023	4/4/2023	10/10/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																										
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Caprolactam			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Carbazole			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Chrysene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Dibenzofuran			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Fluorene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Hexachloroethane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Isophorone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Naphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Nitrobenzene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	< 1.0	< 0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	< 0.94
SVOCs	Phenanthrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Phenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	NA	< 5.00	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 1.00	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 5.00	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.00	NA	9.4	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 1.00	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	5.2	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 1.00	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	< 1.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 5.00	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	NA	< 5.00	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 1.00	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 2.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.480 J	0.43 J	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	< 1.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	< 1.0	< 5	< 1	< 1.0	< 1	1	< 1.0	< 1.0	< 1.0	0.76 J	1.0	0.80 J	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-59	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-60	W-61	W-61	W-61	W-61	W-61	W-61
				Date	10/9/2020	4/9/2021	10/11/2021	4/6/2022	10/7/2022	1/5/2023	4/4/2023	10/10/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	10/30/2018	1/17/2019	10/17/2019	4/10/2020	10/15/2020	4/14/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.00	< 1.0	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 3.00	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-61	W-61	W-61	W-61	W-61	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-63	W-63	W-63	W-63	W-63	W-63	W-63	W-63
				Date	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	11/1/2018	1/18/2019	10/22/2019	4/17/2020	10/20/2020	4/19/2021	10/19/2021	4/18/2022	4/18/2022	10/17/2022	4/17/2023	10/17/2023	10/31/2018	1/17/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/15/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	2.43 #	0.578 #	NA	NA	NA	2.51 #	2.98 #	0 ##	1.40 #	1.06 #	1.05 #	1.08 #	0.321 #	1.13 #	NA	NA	NA	1.97 #	3.49 #	1.22 #	2.89 #	0.757 #	1.08 #	2.07 #	1.18 #
Radiological	Beta particles	50	*	pCi/L	4.11 #	5.83	NA	NA	NA	2.26 #	3.27 #	4.85	0 ##	0.873 #	2.23 #	0.941 #	6.08	0.144 #	NA	NA	NA	5.84	2.48 #	3.32 #	9.10	5.98	10.3	14.2	9.70
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0.387 #	1.49 #	4.02 #	0 ##	0 ##	0 ##	0 ##	0.361 #	0 ##	0 ##	0 ##	1.56 #	1.24 #	1.47 #	0.314 #	0.131 #	16.3 #	0 ##	0 ##	3.26 #	8.28	9.63	13.6	17.4
Radiological	Uranium-233/234			pCi/L	0 ##	0.288	NA	0.116 #	0.0820 #	0.138 #	0.237 #	0.0178 #	0.0392 #	NA	0 ##	0 ##	0.121 #	0.0564 #	NA	0 ##	NA	0.755	0.669	0.266 #	0.613	NA	1.10	0.573	0.0412 #
Radiological	Uranium-235/236			pCi/L	0 #	0.0828 #	NA	0.142 #	0.0923 #	0.288 #	0.283 #	0.0998 #	0 ##	NA	0 ##	0 ##	0.0140 #	0 ##	NA	0 ##	NA	0.0837 #	0.148 #	0.0677 #	0.0539 #	NA	0.0746 #	0.0151 #	0.0347 #
Radiological	Uranium-238			pCi/L	0.0180 #	0.220	NA	0.138 #	0.0746 #	0.00169 #	0.205 #	0.142 #	0 ##	NA	0 ##	0 ##	0.142 #	0.174	NA	0 ##	NA	0.669	1.02	0.264 #	0.323	NA	0.230 #	0.578	0.0192 #
Radiological	Percent Uranium-235			%	0 #	0 #	NA	0 #	0 #	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	0.0101 J	0.0121 J
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	0.0833 J	< 0.200	0.0843 J	0.0831 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0981 J	< 0.200	< 0.200	0.126 J	1.02	0.891	0.123 J	0.686	1.07	1.35	1.54	1.71
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0	< 0.200	0.0833 J	< 0.200	0.0843 J	0.0831 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0981 J	< 0.200	< 0.200	0.126 J	1.02	0.891	0.123 J	0.686	1.07	1.35	1.55	1.72
Chemical	Fluoride	4		mg/L	0.024 J	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	0.019	0.001	0.008 J	0.0130 J	0.019 J	0.28	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	0.259	0.191	0.078 J	0.108	0.071 J	0.10
Chemical	Nitrate as N	10		mg/L	3.3	2.4	3.0	2.0	2.3	3.6	3.9	4.0	4.3	4.2	3.9	4.1	3.9	5.2	3.8	2.9	3.3	0.86	0.16	0.34	0.43	1.9	2.3	4.1	3.9
Chemical	Ammonia as N			mg/L	0.0193 J	NA	NA	NA	NA	NA	NA	0.0162	0.0127	0.0197 J	0.0273 J	0.0185 J	NA	NA	NA	NA	NA	NA	NA	0.023	0.0674	0.0334 J	0.0431 J	0.0192 J	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	75.7	82.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.9	95.5	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	4420	4780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12600	20600	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3440	1890	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	1660	1770	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1770	2080	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	4.32 J	3.17 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	259	225	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.081 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	2.04 J	2.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	1630	1710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5280	7140	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	6540	6730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73900	57800	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	6.66 J	9.07 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.57 J	6.95 J	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-61	W-61	W-61	W-61	W-61	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-63	W-63	W-63	W-63	W-63	W-63	W-63	W-63
				Date	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	11/1/2018	1/18/2019	10/22/2019	4/17/2020	10/20/2020	4/19/2021	10/19/2021	4/18/2022	4/18/2022	10/17/2022	4/17/2023	10/17/2023	10/31/2018	1/17/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/15/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.97	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.097	< 0.019	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.097	< 0.019	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 5	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	48	51	42	45	30	34	28	40	39	44	69	61	< 5	1.4	1.0	1	1.5	1.6	1.8	1.4
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	1.9	< 1.0	1	1.2	1.1	< 1.0	1.1	1.2	< 1.0	1.2	0.87 J	< 5	< 1	1.1	1.2	1.3	1.4	1.4	1.3

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-61	W-61	W-61	W-61	W-61	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-62	W-63	W-63	W-63	W-63	W-63	W-63	W-63	W-63
				Date	10/15/2021	4/13/2022	10/14/2022	4/10/2023	10/4/2023	11/1/2018	1/18/2019	10/22/2019	4/17/2020	10/20/2020	4/19/2021	10/19/2021	4/18/2022	4/18/2022	10/17/2022	4/17/2023	10/17/2023	10/31/2018	1/17/2019	10/21/2019	4/21/2020	10/20/2020	4/16/2021	10/19/2021	4/15/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-63	W-63	W-63	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65
				Date	10/13/2022	4/18/2023	10/12/2023	11/1/2018	1/18/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	1.91 #	3.89 #	4.11 #	5.82	1.02 #	0.887 #	5.14	2.44 #	NA	NA	NA	2.49 #	0.423 #	1.22 #	2.07 #	1.86 #	2.38	0 ##	0.488 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	76.3	88.5	70.3	0.969 #	46.4	42.1	48.8	71.3	NA	NA	NA	0.895 #	0.164 #	7.14	0 ##	2.33 #	0.340 #	0.229 #	2.01 #	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	16.9	21.9	20.3	74.7	118	81.9	0 ##	78.5	84.0	72.9	108	126	123	72.6	0 ##	0 ##	0 ##	1.19 #	1.29 #	0 ##	0.363 #	0 ##	0.216 #	NA	2.00 #
Radiological	Uranium-233/234			pCi/L	NA	0.910	NA	0.176 #	0.516	0.0871 #	0.616	NA	0.0187 #	0.0842 #	0.0370 #	NA	0.0847 #	NA	0.115 #	0.173 #	0 ##	0.0103 #	NA	0.0385 #	0 ##	0.0155 #	NA	NA	0.0973 #
Radiological	Uranium-235/236			pCi/L	NA	0.158	NA	0.0677 #	0.261	0.0256 #	0.0329 #	NA	0 ##	0 ##	0 ##	NA	0.0970 #	NA	0 ##	0.198 #	0 ##	0 ##	NA	0 ##	0.0175 #	0.0382 #	NA	NA	0.107 #
Radiological	Uranium-238			pCi/L	NA	0.715	NA	0.0908 #	0.211	0.0239 #	0.226	NA	0.0324 #	0.0914 #	0.0344 #	NA	0.0785 #	NA	0.0253 #	0.236 #	0.0898 #	0.0493 #	NA	0.159 #	0 ##	0.0396 #	NA	NA	0.136 #
Radiological	Percent Uranium-235			%	NA	3.32	NA	0 #	16.1	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500
Radiological	Uranium-235			ug/L	0.0108 J	0.0107 J	0.0186 J	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700
Radiological	Uranium-238			ug/L	1.46	1.45	1.77	0.14 J	< 0.200	< 0.200	0.28	< 0.200	< 0.200	0.0877 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	1.47	1.46	1.79	0.14 J	< 0.200	< 0.200	0.28	< 0.200	< 0.200	0.0877 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	NA	NA	4.27	4.1	4.17	4.10	3.64	4.6	3.7	3.9	4.4	NA	NA	0.783	0.44	0.219	0.196	0.138	0.15	0.10	NA	< 0.10
Chemical	Nitrate as N	10		mg/L	5.4	5.9	7.1	49	61	42	40	42	34	35	49	57	61	39	0.39	0.4	0.64	0.75	0.92	1.2	1.6	2.0	1.8	NA	1.6
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	NA	16	16.1	14.1	9.96	12.1	NA	NA	NA	NA	NA	NA	0.0489	0.023	0.0221 J	0.0296 J	0.0192 J	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	785	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	8.91 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	5.4 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	394	23.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.7	91.2	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	2.35 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	22900	5020	NA	NA	NA	NA	NA	NA	NA	NA	NA	8060	5720	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	1.14 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	14.1	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.19 J	1.12 J	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.56 J	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	< 100	24700	NA	NA	NA	NA	NA	NA	NA	NA	NA	3680	679	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	5.51 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	9060	1890	NA	NA	NA	NA	NA	NA	NA	NA	NA	2160	1800	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	662	158	NA	NA	NA	NA	NA	NA	NA	NA	NA	193	101	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	3.94 J	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	8640	1030	NA	NA	NA	NA	NA	NA	NA	NA	NA	2200	1840	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	2.5 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	49100	8070	NA	NA	NA	NA	NA	NA	NA	NA	NA	20900	14400	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	1.35 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	< 20.0	8.74 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.98 J	4.93 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-63	W-63	W-63	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65
				Date	10/13/2022	4/18/2023	10/12/2023	11/1/2018	1/18/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 100	< 100	< 20	< 20	< 100	< 20	< 100	< 100	NA	< 100	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 25	< 10	< 2.0	< 2	< 10	< 2.0	< 10	< 10	NA	< 10	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 50	< 50	< 10	< 10	< 50	< 10	< 50	< 50	NA	< 50	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 25	< 10	< 2.0	< 2	< 10	< 2.0	< 10	< 10	NA	< 10	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.097	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.097	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 25	< 10	< 2.0	< 2	< 10	< 2.0	< 10	< 10	NA	< 10	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 5	13	13	15	22	13	12	NA	19	15
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 50	< 50	< 10	< 10	< 50	< 10	< 50	< 50	NA	< 50	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 50	< 50	< 10	< 10	< 50	< 10	< 50	< 50	NA	< 50	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 25	NA	< 5.0	< 5	< 25	< 5.0	< 25	< 25	NA	< 25	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	33	< 5.0	NA	< 5.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	2.6	2.2	2.4	1.5	1.8	1.3	< 1	1.4	1.2	1.1	1.8	1.8	1.9	0.83 J	210	230	220	300	430	390	340	320	NA	440	320
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	NA	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Trichloroethene	5		ug/L	1.3	1.4	1.3	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.46 J	< 1.0	93	94	84	76	58	59	41	41	NA	42	43

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-63	W-63	W-63	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-64	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65	W-65
				Date	10/13/2022	4/18/2023	10/12/2023	11/1/2018	1/18/2019	10/17/2019	4/20/2020	10/16/2020	4/15/2021	10/19/2021	4/19/2022	10/17/2022	4/13/2023	10/19/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 25	< 5	< 1.0	< 1	< 5.0	< 1.0	< 5.0	< 5.0	NA	< 5.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-65	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67
				Date	10/12/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023	10/12/2023	11/1/2018	1/18/2019	10/18/2019	4/21/2020	10/19/2020	4/14/2021	10/18/2021	4/14/2022	10/17/2022	4/10/2023	10/23/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	0.879 #	1.28 #	0 ##	0.673 #	0 ##	0.233 #	0.899 #	0.560 #	0.634 #	NA	NA	NA	NA	0.823 #	0.640 #	0.945 #	3.78 #	1.74 #	0.655 #	2.06 #	1.60 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	1.85 #	2.40 #	3.33 #	3.87	1.89 #	3.80 #	2.95 #	2.22 #	4.33 #	NA	NA	NA	NA	73.4	67.5	65.3	55.6	35.8	45.5	33.4	37.7	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.483 #	0 ##	0 ##	0 ##	0 ##	0.572 #	0.453 #	1.10 #	0 ##	0.122 #	0 ##	NA	0 ##	1.70 #	82.9	114	84.3	86.5	81.3	83.4	69.8	50.0	58.4	52.1	45.7
Radiological	Uranium-233/234			pCi/L	NA	0.0427 #	0.303 #	0.0479 #	0 ##	NA	0 ##	0 ##	0.0119 #	0 ##	NA	NA	0.0220 #	NA	0.0482 #	0.261 #	0 ##	0 ##	NA	0 ##	0 ##	1.01	NA	0 ##	NA
Radiological	Uranium-235/236			pCi/L	NA	0.0129 #	0.179 #	0.00220 #	0.0452 #	NA	0.0381 #	0.0386 #	0.0264 #	0 ##	NA	NA	0 ##	NA	0.101 #	0.314	0 #	0 ##	NA	0 #	0 ##	0.0954 #	NA	0.0796 #	NA
Radiological	Uranium-238			pCi/L	NA	0.104 #	0.331	0.0800 #	0.0178 #	NA	0 ##	0 ##	0.0230 #	0.0242 #	NA	NA	0 ##	NA	0.239	0.410	0.0343 #	0.0474 #	NA	0 ##	0 ##	0.293	NA	0.107 #	NA
Radiological	Percent Uranium-235			%	NA	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	NA	0 #	NA	0 #	10.6	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.256	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0977 J	< 0.200	NA	< 0.200	0.0900 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.256	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0977 J	< 0.200	NA	< 0.200	0.0900 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	NA	NA	0.076	0.047	0.036 J	0.0330 J	0.031 J	0.033 J	< 0.10	< 0.10	NA	< 0.10	< 0.10	NA	NA	0.01	0.018	< 0.1	0.0170 J	0.023 J	< 0.10	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	1.5	18	2	1.5	1.5	1.4	1.4	1.3	1.3	2.1	1.6	NA	1.7	2.1	17	17	14	16	18	13	14	13	13	11	11
Chemical	Ammonia as N			mg/L	NA	NA	NA	0.0336	0.0177	0.021 J	0.0159 J	0.0188 J	0.0277 J	NA	NA	NA	NA	NA	NA	NA	1.31	2.01	2.3	1.28	1.74	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	< 30.0	6.59 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	68.5	59.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	306	285	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	6730	5290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11500	10400	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	< 10.0	1.63 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.77 J	4.15 J	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	< 20.0	5.11 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	2400	2090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4130	3720	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	15.4	10.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.5	16	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	0.284	0.743	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.189 J	0.132 J	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.64 J	2.11 J	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	1990	1650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4250	4080	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	5430	4810	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21900	20700	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	4.35 J	5.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.72 J	13.9 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-65	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67
				Date	10/12/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023	10/12/2023	11/1/2018	1/18/2019	10/18/2019	4/21/2020	10/19/2020	4/14/2021	10/18/2021	4/14/2022	10/17/2022	4/10/2023	10/23/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 100	< 100	< 20	< 200	< 100	< 20	< 20	< 100	NA	< 20	< 100	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA
VOCs	Benzene	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	< 5	< 10	< 10	< 2	< 20	< 10	< 2.0	< 2.0	< 10	NA	< 2.0	< 10	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	< 10	< 50	< 50	< 10	< 100	< 50	< 10	< 10	< 50	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	< 5	< 10	< 10	< 2	< 20	< 10	< 2.0	< 2.0	< 10	NA	< 2.0	< 10	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	Chloroform			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	< 0.39	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02	< 0.020	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	< 0.39	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	< 5	< 10	< 10	< 2	< 20	< 10	< 2.0	< 2.0	< 10	NA	< 2.0	< 10	NA	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	17	< 5	< 5	22	18	29	9.0	8.6	8.0	48	NA	13	24	26	1.7	1.6	1.5	1.7	1.6	1.4	1.3	1.2	1.1	1.3	1.3
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	< 10	< 50	< 50	< 10	< 100	< 50	< 10	< 10	< 50	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 50	< 50	< 10	< 100	< 50	< 10	< 10	< 50	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	< 5	NA	< 25	< 5	< 50	< 25	< 5.0	< 5.0	< 25	NA	< 5.0	< 25	NA	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA
VOCs	Styrene	100		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	520	66	200	480	360	810	310	270	270	780	NA	270	460	740	41	38	49	46	42	43	41	39	34.6	43	43
VOCs	Toluene	1000		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 5	NA	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	49	< 5	11	8.5	7.6	< 10	< 5.0	4.9	4.7	17	NA	9.5	11	21	8.4	8.1	8.4	8.4	7.4	7.9	7.4	7.7	5.6	7.7	7.7

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-65	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-66	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67	W-67
				Date	10/12/2023	10/31/2018	1/21/2019	10/17/2019	4/24/2020	10/22/2020	4/20/2021	10/18/2021	10/18/2021	4/14/2022	10/13/2022	1/6/2023	4/7/2023	10/12/2023	11/1/2018	1/18/2019	10/18/2019	4/21/2020	10/19/2020	4/14/2021	10/18/2021	4/14/2022	10/17/2022	4/10/2023	10/23/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 5.0	< 2	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	< 10	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 5	< 5	< 5.0	< 1	< 10	< 5.0	< 1.0	< 1.0	< 5.0	NA	< 1.0	< 5.0	NA	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-70	W-70	W-70	W-70
				Date	11/6/2018	1/31/2019	10/22/2019	4/20/2020	10/22/2020	4/19/2021	10/19/2021	4/19/2022	10/17/2022	4/17/2023	10/17/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	4/19/2022	10/18/2022	4/19/2023	4/19/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	2.95 #	1.23 #	0.922 #	3.23 #	0.248 #	0 ##	0.0923 #	0.799 #	NA	NA	NA	2.31 #	0.581 #	1.63 #	0 ##	0 ##	3.63	NA	NA	NA	NA	0.0198 #	5.42	0.353 #	0.441 #
Radiological	Beta particles	50	*	pCi/L	0.641 #	0.645 #	2.33 #	5.89	0 ##	2.66 #	2.61 #	1.34 #	NA	NA	NA	1.94 #	0.885 #	0.838 #	0.783 #	0 ##	2.96 #	NA	NA	NA	NA	1.37 #	1.95 #	3.00 #	3.93 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0 ##	0.409 #	0.280 #	0 ##	0.0281 #	0.112 #	2.34 #	0.285 #	2.18 #	0 ##	0 ##	0 ##	0 ##	0 ##	3.32 #	2.83 #	0.232 #	0 ##	0.968 #	21.4 #	0 ##	0 ##	0.850 #
Radiological	Uranium-233/234			pCi/L	0.123 #	0.440	0.204 #	0.0317 #	NA	0 ##	0 ##	0 ##	NA	0.0729 #	NA	0.366	0 ##	NA	0 ##	0 ##	0.0763 #	NA	0.170 #	0 ##	NA	0.188 #	0 ##	NA	0 ##
Radiological	Uranium-235/236			pCi/L	0.0386 #	0.368	0.0452 #	0 ##	NA	0 ##	0 ##	0.0574 #	NA	0 ##	NA	0.118 #	0.0242 #	NA	0.0273 #	0.0618 #	0 ##	NA	0 ##	0.100 #	NA	0 ##	0 ##	NA	0 ##
Radiological	Uranium-238			pCi/L	0 ##	0.398	0.0102 #	0 ##	NA	0 ##	0 ##	0 ##	NA	0 ##	NA	0.201 #	0.00948 #	NA	0 ##	0 ##	0 ##	NA	0 ##	0.0319 #	NA	0.0615 #	0 ##	NA	0 ##
Radiological	Percent Uranium-235			%	0 #	12.5	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	NA	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.0802 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.139 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.0802 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.139 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	NA	NA	0.02	0.089	0.006 J	0.0160 J	0.027 J	< 0.10	< 0.10	< 0.10	< 0.10	0.022	< 0.1	0.007 J	0.0180 J	0.075 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.100	< 0.1	< 0.1	0.0130 J
Chemical	Nitrate as N	10		mg/L	3.4	3.3	3.0	2.9	2.9	2.5	2.8	3.0	3.1	1.7	2.2	0.16	0.23	0.4	0.51	0.35	0.60	0.062	0.45	0.44	0.45	1.4	1.5	1.4	1.7
Chemical	Ammonia as N			mg/L	NA	NA	0.0143	0.0452	0.0172 J	0.0171 J	0.255	NA	NA	NA	NA	0.0341	0.0307	0.035 J	0.0244 J	0.0228 J	NA	NA	NA	NA	NA	0.0077	0.0125	0.0243 J	0.0147 J
Metals	Aluminum			ug/L	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA
Metals	Antimony	6		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA
Metals	Barium	2000		ug/L	NA	NA	92.9	98.2	NA	NA	NA	NA	NA	NA	NA	68.9	49.1	NA	NA	NA	NA	NA	NA	NA	NA	91.2	87.1	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	1.17 J	1.02 J	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Calcium			ug/L	NA	NA	4530	4290	NA	NA	NA	NA	NA	NA	NA	2480	1290	NA	NA	NA	NA	NA	NA	NA	NA	3170	2830	NA	NA
Metals	Chromium	100		ug/L	NA	NA	2.69 J	2.21 J	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA
Metals	Cobalt			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	8.08	4.32 J	NA	NA	NA	NA	NA	NA	NA	NA	9.91	4.38 J	NA	NA
Metals	Copper	1300		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Iron			ug/L	NA	NA	30.1 J	< 100	NA	NA	NA	NA	NA	NA	NA	4120	3910	NA	NA	NA	NA	NA	NA	NA	NA	38.5 J	31.1 J	NA	NA
Metals	Lead	15		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Magnesium			ug/L	NA	NA	1850	1840	NA	NA	NA	NA	NA	NA	NA	794	434	NA	NA	NA	NA	NA	NA	NA	NA	1410	1380	NA	NA
Metals	Manganese			ug/L	NA	NA	2.94 J	2.84 J	NA	NA	NA	NA	NA	NA	NA	412	257	NA	NA	NA	NA	NA	NA	NA	NA	90.4	41.4	NA	NA
Metals	Mercury	2		ug/L	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA
Metals	Nickel			ug/L	NA	NA	2.3 J	2.04 J	NA	NA	NA	NA	NA	NA	NA	1.94 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	4.49 J	2.89 J	NA	NA
Metals	Potassium			ug/L	NA	NA	1410	1640	NA	NA	NA	NA	NA	NA	NA	840	560	NA	NA	NA	NA	NA	NA	NA	NA	2190	2340	NA	NA
Metals	Selenium	50		ug/L	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA
Metals	Silver			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Sodium			ug/L	NA	NA	6980	7040	NA	NA	NA	NA	NA	NA	NA	13600	12100	NA	NA	NA	NA	NA	NA	NA	NA	3580	3470	NA	NA
Metals	Thallium	2		ug/L	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA
Metals	Vanadium			ug/L	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA
Metals	Zinc			ug/L	NA	NA	6.54 J	7.83 J	NA	NA	NA	NA	NA	NA	NA	14.4 J	9.29 J	NA	NA	NA	NA	NA	NA	NA	NA	12.2 J	15.7 J	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Chlorophenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	2-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Nitrophenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	3-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Methylphenol			ug/L	< 4	< 4	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6
SVOCs	4-Nitroaniline			ug/L	< 8	< 8	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Acenaphthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acenaphthylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acetophenone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Atrazine	3		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Benz(a)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzaldehyde			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-70	W-70	W-70	W-70
				Date	11/6/2018	1/31/2019	10/22/2019	4/20/2020	10/22/2020	4/19/2021	10/19/2021	4/19/2022	10/17/2022	4/17/2023	10/17/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	4/19/2022	10/18/2022	4/19/2023	4/19/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Caprolactam			ug/L	< 8	< 8	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Carbazole			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Chrysene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Dibenzofuran			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Diethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dimethyl phthalate			ug/L	< 4	< 4	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Fluoranthene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Fluorene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Hexachloroethane			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Isophorone			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Naphthalene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Nitrobenzene			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	< 0.96	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	< 1.0
SVOCs	Phenanthrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Phenol			ug/L	< 4	< 4	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pyrene			ug/L	< 0.8	< 0.8	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	NA	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019
VOCs	Dibromochloromethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	< 1	< 1	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	130	150	110	110	78	63	55	60	58.4	59	58	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	2.7	2.5	1.8	1.7	1.3	< 1.0	1.0	1.1	0.94 J	1.3	1.3	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-68	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-69	W-70	W-70	W-70	W-70
				Date	11/6/2018	1/31/2019	10/22/2019	4/20/2020	10/22/2020	4/19/2021	10/19/2021	4/19/2022	10/17/2022	4/17/2023	10/17/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	4/19/2022	10/18/2022	4/19/2023	4/19/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-70	W-70	W-70	W-70	W-70	W-70	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-72	W-72	W-72	W-72	W-72	W-72	W-72	W-72
				Date	10/21/2021	4/19/2022	10/18/2022	4/19/2023	10/18/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	10/21/2021	4/19/2022	10/19/2022	4/19/2023	10/18/2023	10/4/2019	4/3/2020	10/9/2020	4/12/2021	10/12/2021	4/8/2022	10/11/2022	4/11/2023	10/9/2023
				Type	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	1.37 #	0.361 #	NA	NA	NA	NA	0.983 #	4.72	2.79 #	2.30 #	0.418 #	2.98 #	1.97 #	NA	NA	NA	1.05 #	2.98 #	2.57	0.513 #	0 ##	1.39 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	0 ##	3.12 #	NA	NA	NA	NA	8.11	4.39	3.51 #	4.92 #	2.35 #	2.04 #	0 ##	NA	NA	NA	2.74 #	8.51	11.7	9.59	3.80 #	11.7	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.570 #	1.60 #	3.53	0 ##	1.20 #	0.211 #	12.2 #	1.27 #	0 ##	0 ##	0.0199 #	0.395 #	0 ##	0 ##	0 ##	1.50 #	0 ##	1.33 #	2.30 #	0 ##	0 ##	1.52 #	0.362 #	3.97	0.833 #
Radiological	Uranium-233/234			pCi/L	0.0582 #	2.01	NA	0.251 #	NA	NA	0.228 #	0 ##	NA	0 ##	0 ##	0 ##	0.0847 #	NA	0 ##	NA	0.125 #	1.17	NA	0.758	0.276	2.17	NA	3.22	NA
Radiological	Uranium-235/236			pCi/L	0.0330 #	0.264 #	NA	0 ##	NA	NA	0.0113 #	0 ##	NA	0 ##	0.101 #	0.0591 #	0.0273 #	NA	0 ##	NA	0 ##	0.0265 #	NA	0 ##	0.0107 #	0.0250 #	NA	0.227	NA
Radiological	Uranium-238			pCi/L	0 ##	1.02	NA	0 ##	NA	NA	0.0743 #	0.0375 #	NA	0 ##	0.0757 #	0 ##	0.149 #	NA	0.0920 #	NA	0.0205 #	0.162	NA	0.134 #	0.117 #	0.758	NA	0.663	NA
Radiological	Percent Uranium-235			%	0 #	0 #	NA	0 #	NA	NA	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	5.05	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	0.021 J	< 0.0700	0.0131 J	< 0.0700	0.0457 J	< 0.0700	0.0469 J	0.0235 J
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.165 J	0.0765 J	0.0959 J	0.0784 J	0.0939 J	0.0898 J	0.135 J	0.0959 J	0.211	0.135 J	0.095 J	0.667	0.345	0.423	0.266	1.47	0.276	1.51	0.568
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.165 J	0.0765 J	0.0959 J	0.0784 J	0.0939 J	0.0898 J	0.135 J	0.0959 J	0.211	0.135 J	0.095 J	0.688	0.345	0.437	0.266	1.51	0.276	1.55	0.592
Chemical	Fluoride	4		mg/L	0.017 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.084	< 0.1	< 0.1	0.0220 J	0.031 J	0.086 J	< 0.10	< 0.10	< 0.10	< 0.10	0.116	1.08	0.572	0.741	0.406	0.55	0.80	0.78	0.82
Chemical	Nitrate as N	10		mg/L	1.6	1.8	1.5	1.4	1.3	1.3	0.021	< 0.02	0.064	< 0.020	< 0.020	< 0.020	< 0.020	0.049	< 0.020	0.055	1.5	6.3	9.3	2.8	2.4	38	4.1	3.7	2.0
Chemical	Ammonia as N			mg/L	0.0186 J	NA	NA	NA	NA	NA	0.0149	0.0156	0.028 J	0.0168 J	0.0212 J	0.0194 J	NA	NA	NA	NA	0.275	0.0322	0.0777 J	0.0252 J	0.0262 J	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	< 200	620	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	7.15 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	5.12 J	5.64 J	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	22	12.2	NA	NA	NA	NA	NA	NA	NA	NA	48.9	46.1	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	4300	1230	NA	NA	NA	NA	NA	NA	NA	NA	11900	30000	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	1.59 J	1.81 J	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	5.27	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	13.6 J	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	5910	1290	NA	NA	NA	NA	NA	NA	NA	NA	1070	153	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	5.18 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	7.1 J	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	745	319	NA	NA	NA	NA	NA	NA	NA	NA	3760	4610	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	81.6	22.1	NA	NA	NA	NA	NA	NA	NA	NA	992	11.2	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	1.76 J	NA	NA	NA	NA	NA	NA	NA	NA	9.31	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	7080	3170	NA	NA	NA	NA	NA	NA	NA	NA	3260	9170	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	1.73 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	10800	4850	NA	NA	NA	NA	NA	NA	NA	NA	12400	38600	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	4.36 J	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	< 20.0	13.4 J	NA	NA	NA	NA	NA	NA	NA	NA	8.31 J	156	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-70	W-70	W-70	W-70	W-70	W-70	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-72	W-72	W-72	W-72	W-72	W-72	W-72	W-72
				Date	10/21/2021	4/19/2022	10/18/2022	4/19/2023	10/18/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	10/21/2021	4/19/2022	10/19/2022	4/19/2023	10/18/2023	10/4/2019	4/3/2020	10/9/2020	4/12/2021	10/12/2021	4/8/2022	10/11/2022	4/11/2023	10/9/2023
				Type	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.96	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 25.0	< 20	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	NA	< 5.0	NA	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-70	W-70	W-70	W-70	W-70	W-70	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-71	W-72	W-72	W-72	W-72	W-72	W-72	W-72	W-72	W-72
				Date	10/21/2021	4/19/2022	10/18/2022	4/19/2023	10/18/2023	10/18/2023	10/23/2019	4/16/2020	10/15/2020	4/22/2021	10/21/2021	10/21/2021	4/19/2022	10/19/2022	4/19/2023	10/18/2023	10/4/2019	4/3/2020	10/9/2020	4/12/2021	10/12/2021	4/8/2022	10/11/2022	4/11/2023	10/9/2023
				Type	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-75	W-75	W-75	W-75	W-75
				Date	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	4/11/2023	10/9/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	4/12/2021	10/12/2021	10/12/2021	4/8/2022	10/10/2022	4/13/2023	10/12/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	10/12/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	0.241 #	0 ##	0.664	0.363 #	0 ##	0.499 #	NA	NA	NA	0 ##	0 ##	3.87	3.13 #	1.72 #	0.306 #	2.77 #	0 ##	NA	NA	NA	2.10 #	1.80 #	1.26	0 ##	0 ##
Radiological	Beta particles	50	*	pCi/L	1.85 #	2.27 #	3.31 #	2.14 #	1.84 #	1.89 #	NA	NA	NA	1.29 #	2.38 #	3.95	2.91 #	5.55	0 ##	0.744 #	3.30 #	NA	NA	NA	3.89 #	3.68	4.86	3.05 #	1.17 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0 ##	0 ##	2.26 #	0 ##	0 ##	2.01 #	0.935 #	11.5 #	0 ##	0.658 #	0 ##	0 ##	0.0903 #	0 ##	0.252 #	0 ##	0.570 #	1.91 #	0 ##	0 ##	0 ##	0 ##	0.236 #
Radiological	Uranium-233/234			pCi/L	0 ##	0.155 #	NA	0.0302 #	0.153 #	0.209 #	NA	0.348	NA	0.111 #	0 ##	NA	0 ##	0.0176 #	0 ##	0.0432 #	0.0384 #	NA	0.190 #	NA	0.0135 #	0 ##	NA	0 ##	0.0458 #
Radiological	Uranium-235/236			pCi/L	0.0655 #	0.0780 #	NA	0.0786 #	0.0189 #	0.0274 #	NA	0.0237 #	NA	0.00238 #	0 ##	NA	0.0109 #	0.0896 #	0.0333 #	0 ##	0.0378 #	NA	0.0644 #	NA	0.0780 #	0 ##	NA	0.00293 #	0.0187 #
Radiological	Uranium-238			pCi/L	0.121 #	0 ##	NA	0.113 #	0.0894 #	0.117	NA	0.167 #	NA	0.0963 #	0 ##	NA	0.0101 #	0.130 #	0.0199 #	0 ##	0.101 #	NA	0.156 #	NA	0.00143 #	0.00834 #	NA	0 ##	0.0442 #
Radiological	Percent Uranium-235			%	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.0831 J	0.0873 J	0.141 J	0.133 J	0.133 J	0.174 J	0.129 J	0.130 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.0831 J	0.0873 J	0.141 J	0.133 J	0.133 J	0.174 J	0.129 J	0.130 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.071	< 0.1	0.044 J	0.0300 J	0.056 J	< 0.10	< 0.10	< 0.10	< 0.10	0.019	0.01	0.012 J	0.00900 J	0.00600 J	0.017 J	0.021 J	< 0.10	< 0.10	< 0.10	< 0.10	0.109	0.068	0.121	0.0750 J	0.116
Chemical	Nitrate as N	10		mg/L	2.0	1.4	1.6	1.2	1.3	1.3	1.4	1.3	0.87	4.9	5.4	5.4	5.1	4.8	5.5	5.5	5.1	6.0	6.0	5.8	0.063	1.6	0.1	1.1	0.21
Chemical	Ammonia as N			mg/L	0.0167	0.0383	0.0279 J	0.0321 J	0.0208 J	NA	NA	NA	NA	0.159	0.0129	0.0133 J	0.0230 J	0.0202 J	0.0214 J	0.0386 J	NA	NA	NA	NA	0.391	0.268	0.406	0.172	0.258
Metals	Aluminum			ug/L	126 J	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA
Metals	Antimony	6		ug/L	3.54 J	8.41 J	NA	NA	NA	NA	NA	NA	NA	4.18 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.12 J	< 20.0	NA	NA	NA
Metals	Arsenic	10		ug/L	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Barium	2000		ug/L	79	56.2	NA	NA	NA	NA	NA	NA	NA	151	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	104	92.7	NA	NA	NA
Metals	Beryllium	4		ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Cadmium	5		ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Calcium			ug/L	9540	9290	NA	NA	NA	NA	NA	NA	NA	6700	6180	NA	NA	NA	NA	NA	NA	NA	NA	NA	12900	9270	NA	NA	NA
Metals	Chromium	100		ug/L	1.66 J	1.95 J	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA
Metals	Cobalt			ug/L	6.27	2.2 J	NA	NA	NA	NA	NA	NA	NA	3.43 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.2	13.3	NA	NA	NA
Metals	Copper	1300		ug/L	9.06 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Iron			ug/L	299	37.4 J	NA	NA	NA	NA	NA	NA	NA	44.6 J	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	4590	1260	NA	NA	NA
Metals	Lead	15		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Magnesium			ug/L	4600	4710	NA	NA	NA	NA	NA	NA	NA	3050	2410	NA	NA	NA	NA	NA	NA	NA	NA	NA	5220	3700	NA	NA	NA
Metals	Manganese			ug/L	454	176	NA	NA	NA	NA	NA	NA	NA	134	56.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	740	293	NA	NA	NA
Metals	Mercury	2		ug/L	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	0.129 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA
Metals	Nickel			ug/L	99.7	239	NA	NA	NA	NA	NA	NA	NA	21.1	7.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	315	143	NA	NA	NA
Metals	Potassium			ug/L	2400	2000	NA	NA	NA	NA	NA	NA	NA	3030	2520	NA	NA	NA	NA	NA	NA	NA	NA	NA	3910	3350	NA	NA	NA
Metals	Selenium	50		ug/L	12.9 J	22.2 J	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38 J	8.44 J	NA	NA	NA
Metals	Silver			ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	1.05 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Sodium			ug/L	10200	9380	NA	NA	NA	NA	NA	NA	NA	10900	9730	NA	NA	NA	NA	NA	NA	NA	NA	NA	7670	8720	NA	NA	NA
Metals	Thallium	2		ug/L	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Vanadium			ug/L	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Zinc			ug/L	10.8 J	10.8 J	NA	NA	NA	NA	NA	NA	NA	14.5 J	12.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.3 J	12.9 J	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Chloronaphthalene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Chlorophenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	2-Methylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Nitrophenol			ug/L	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	3-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloroaniline			ug/L	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Methylphenol			ug/L	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	4-Nitroaniline			ug/L	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4-Nitrophenol			ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Acenaphthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acenaphthylene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acetophenone			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Atrazine	3		ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzaldehyde			ug/L	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-75	W-75	W-75	W-75	W-75
				Date	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	4/11/2023	10/9/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	4/12/2021	10/12/2021	10/12/2021	4/8/2022	10/10/2022	4/13/2023	10/12/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	10/12/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Caprolactam			ug/L	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Carbazole			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Chrysene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Dibenzofuran			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Fluoranthene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Fluorene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorobutadiene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Hexachloroethane			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Isophorone			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Naphthalene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Nitrobenzene			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pentachlorophenol	1		ug/L	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA
SVOCs	Phenanthrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Phenol			ug/L	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pyrene			ug/L	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	1.2	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	0.049	< 0.020	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	1.6	1.4	1.2	1.2	1.3	1.3	< 1.0	< 1.0	0.74 J	0.70 J	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	0.60 J	19	19	16	12	12	11	12	9.0	8.8	7.8	9.7	< 1.0	1	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.5	4.2	3.6	2.9	2.9	3.2	3.1	2.9	2.6	2.4	2.6	< 1.0	< 1	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-73	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-74	W-75	W-75	W-75	W-75	W-75
				Date	10/4/2019	4/3/2020	10/8/2020	4/8/2021	10/8/2021	4/7/2022	10/10/2022	4/11/2023	10/9/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	4/12/2021	10/12/2021	10/12/2021	4/8/2022	10/10/2022	4/13/2023	10/12/2023	10/9/2019	4/8/2020	10/12/2020	4/12/2021	10/12/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																										
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-75	W-75	W-75	W-75	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77
				Date	4/8/2022	10/10/2022	4/13/2023	10/13/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/9/2021	10/7/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/10/2023	10/6/2019	4/14/2020	4/14/2020	10/7/2020	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	10/6/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	0.0566 #	NA	NA	NA	2.77 #	12.7	9.27	NA	6.80	8.71	6.42	NA	NA	NA	NA	865	399	441	776	NA	1110	221	358	NA	NA
Radiological	Beta particles	50	*	pCi/L	1.74 #	NA	NA	NA	6.88	4.56 #	6.30	NA	6.02	6.19	5.29	NA	NA	NA	NA	111	41.7	42.1	113	NA	101	36.4	62.5	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.379 #	0.0630 #	1.29 #	2.11 #	0 ##	0 ##	0.753 #	NA	0 ##	0.0261 #	1.79 #	0.524 #	NA	0 ##	2.44 #	101	5.10	4.21	9.70	NA	8.38	2.50 #	1.70 #	25.3	7.54 #
Radiological	Uranium-233/234			pCi/L	0 ##	NA	0 ##	NA	1.60	4.92	NA	NA	4.06	5.03	4.81	NA	NA	5.95	NA	511	591	619	600	NA	937	268	309	NA	NA
Radiological	Uranium-235/236			pCi/L	0 #	NA	0.0359 #	NA	0 ##	0.196	NA	NA	0.299	0.162 #	0.273	NA	NA	0.399	NA	26.0	28.5	32.0	27.7	NA	40.9	17.0	15.8	NA	NA
Radiological	Uranium-238			pCi/L	0.0495 #	NA	0.154 #	NA	0.354	0.830	NA	NA	0.837	1.27	0.983	NA	NA	0.911	NA	81.0	88.7	99.1	104	NA	148	44.4	51.6	NA	NA
Radiological	Percent Uranium-235			%	0 #	NA	0 #	NA	0 #	3.53	NA	NA	5.26	0 #	4.13	NA	NA	6.36	NA	4.75	4.75	4.77	3.98	NA	4.11	5.61	4.54	NA	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	0.089	0.104	0.111	0.097	NA	0.147	0.0470 J	< 0.0500	0.0390 J	0.0390 J
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0308 J	0.0999	0.101	NA	0.0798	0.104	0.0992	0.130	NA	0.102	0.124	10.1	11.2	12.2	10.9	NA	14.7	5.52	5.85	4.63	4.49
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	0.0799 J	0.915	2.87	2.86	NA	2.42	3.12	3.04	3.84	NA	2.99	3.52	237	253	251	264	NA	331	128	138	108	105
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	0.0799 J	0.946	2.97	2.96	NA	2.50	3.23	3.14	3.97	NA	3.09	3.65	247	264	263	275	NA	346	133	144	113	110
Chemical	Fluoride	4		mg/L	0.14	< 0.10	< 0.10	0.11	1.45	1.4	NA	2.18	1.91	2.66	3.7	NA	2.8	2.0	2.0	9.21	7.39	7.73	NA	14	23.9	14.8	15	NA	NA
Chemical	Nitrate as N	10		mg/L	0.47	0.32	0.56	0.60	9.8	8.7	14	NA	10	13	13	13	NA	11	10	12	20	19	5.2	NA	3.6	4.9	10	9.1	8.6
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.0154	0.0163	NA	0.0205 J	0.0301 J	0.0283 J	NA	NA	NA	NA	NA	7.11	17	16.8	NA	4.34	3.99	3.66	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	894	1190	NA	NA	NA	NA	NA	NA	NA	NA	NA	750	123 J	114 J	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	5.99 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.53 J	5.37 J	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	129	155	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.9	86.1	84.6	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	1.49 J	1.65 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	4430	5740	NA	NA	NA	NA	NA	NA	NA	NA	NA	9350	30400	30200	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	1.12 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.55 J	1.68 J	1.74 J	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	1.41 J	3.93 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.27 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 J	57.7	57.4	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	223	120	120	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	1510	1790	NA	NA	NA	NA	NA	NA	NA	NA	NA	1970	6310	6270	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	32.9	60.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.83 J	14	14	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	1.8 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.14	7.46	6.75	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	3900	3730	NA	NA	NA	NA	NA	NA	NA	NA	NA	6270	9430	9000	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	15.8 J	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	1.05 J	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	22200	14700	NA	NA	NA	NA	NA	NA	NA	NA	NA	277000	453000	455000	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.5	6.57	6.5	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	5.89 J	7.55 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.5	65.6	64.8	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	NA	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-75	W-75	W-75	W-75	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77
				Date	4/8/2022	10/10/2022	4/13/2023	10/13/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/9/2021	10/7/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/10/2023	10/6/2019	4/14/2020	4/14/2020	10/7/2020	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	10/6/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	NA	< 4.0	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 0.98	NA	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 0.95	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	NA	2.7	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	NA	< 0.16	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	17 J	NA	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	3.4	1.6	1.4	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	11	2.4	2.1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	11	11	11	5.2	NA	5.4	4.1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	NA	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	NA	0.17	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	3.6	1.2	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.019	NA	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	NA	< 0.019	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	0.40 J	0.90 J	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.94 J	0.51 J	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	0.42 J	63	44	33	NA	27	26	15	2.6	NA	3.2	1.8	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-75	W-75	W-75	W-75	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-76	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77	W-77
				Date	4/8/2022	10/10/2022	4/13/2023	10/13/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/9/2021	10/7/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/10/2023	10/6/2019	4/14/2020	4/14/2020	10/7/2020	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	10/6/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-77	W-77	W-77	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79
				Date	1/3/2023	4/4/2023	10/9/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/7/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/9/2023	10/7/2019	4/13/2020	10/6/2020	4/6/2021	10/6/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	0 ##	1.82 #	1.44	NA	0.0827 #	0.166 #	0 ##	0 ##	NA	NA	NA	NA	2.99 #	0.312 #	0.107 #	0 ##	0.864 #	0.529 #	NA	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	4.12 #	2.97 #	3.29 #	NA	3.78	1.27 #	0 ##	0 ##	NA	NA	NA	NA	5.90	5.06	6.14	2.59 #	2.28 #	4.23	NA	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	0 ##	1.10 #	0 ##	0.0509 #	0 ##	NA	0 ##	0 ##	0 ##	0.904 #	0 ##	NA	0 ##	0.237 #	3.52 #	0.135 #	1.98 #	0.340 #	0 ##	2.77 #	0 ##	NA	0 ##	1.01 #
Radiological	Uranium-233/234			pCi/L	NA	NA	NA	0.0921 #	0.0631 #	NA	NA	0.210 #	0 ##	0.195	0.0329 #	NA	NA	0.185 #	NA	0.0539 #	0 ##	NA	0.0818 #	0.0283 #	0.102 #	NA	NA	0.0802 #	NA
Radiological	Uranium-235/236			pCi/L	NA	NA	NA	0.0466 #	0.0946 #	NA	NA	0 ##	0 ##	0.138	0.0887 #	NA	NA	0.162 #	NA	0 ##	0 ##	NA	0 #	0 ##	0.0468 #	NA	NA	0.152 #	NA
Radiological	Uranium-238			pCi/L	NA	NA	NA	0.105 #	0.0207 #	NA	NA	0.0350 #	0.0113 #	0.0143 #	0 ##	NA	NA	0.188 #	NA	0.115 #	0.0449 #	NA	0 ##	0.0340 #	0 ##	NA	NA	0.0740 #	NA
Radiological	Percent Uranium-235			%	NA	NA	NA	0 #	0 #	NA	NA	0 #	0 #	60.0	0 #	NA	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	0 #	NA
Radiological	Uranium-234			ug/L	NA	0.0180 J	0.0260 J	< 0.050	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	1.52	2.58	< 0.070	< 0.0700	0.0103 J	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	38.0	57.5	0.0933 J	0.203	0.298	NA	0.222	0.132 J	0.186 J	0.180 J	0.278	NA	0.0807 J	< 0.200	0.0892 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	39.5	60.1	0.0933 J	0.203	0.308	NA	0.222	0.132 J	0.186 J	0.180 J	0.278	NA	0.0807 J	< 0.200	0.0892 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	11	7.86	10	13.4	11.3	NA	12.6	8.85	8.92	13.6	13	NA	21	16	13	2.4	0.323	0.467	0.253	0.978	1.4	NA	0.50	0.62	0.84
Chemical	Nitrate as N	10		mg/L	NA	NA	5.6	3.5	4.4	3.1	NA	4.0	3.6	3.8	4.4	4.7	NA	3.7	7.6	4.0	5.1	3.8	5.3	3.9	19	4.7	NA	3.9	3.4
Chemical	Ammonia as N			mg/L	NA	NA	NA	0.0271	0.0286	NA	0.0207 J	0.0294 J	0.0227 J	0.0219 J	NA	NA	NA	NA	NA	0.0146	0.0099	0.0136 J	0.0127 J	0.0166 J	NA	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	1320	1570	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	878	153 J	122 J	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	3.58 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.15 J	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	54.4	54.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.4	73.1	85.9	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.41 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	7500	9460	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11200	17000	15600	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.86 J	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	1420	1490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5490	5310	5150	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	2.83 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.8	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	4090	3970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4490	3500	4270	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	8.62 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.57 J	8.65 J	22.7 J	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	45500	39100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11500	9360	9660	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	7.88	7.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	8.47 J	8.24 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.87 J	7.51 J	19.5 J	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	< 8.0	< 8	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	< 4.0	< 4	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	< 8.0	< 8	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	< 4.0	< 4	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	< 8.0	< 8	< 1.6	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	< 8.0	< 8	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-77	W-77	W-77	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79
				Date	1/3/2023	4/4/2023	10/9/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/7/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/9/2023	10/7/2019	4/13/2020	10/6/2020	4/6/2021	10/6/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	< 8.0	< 8	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	< 4.0	< 4	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	< 20	< 20	< 4.0	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	< 1.0	NA	< 0.96	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	< 4.0	< 4	< 0.80	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	< 0.80	< 0.8	< 0.16	NA	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	2.75 J	NA	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA
VOCs	Benzene	5		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromoform			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	< 1.00	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	< 5.00	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	< 5.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	< 1.00	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	Chloroform			ug/L	NA	4.15	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	< 0.020	NA	< 0.097	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	< 0.020	NA	< 0.097	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	< 1.00	NA	< 2.0	< 2	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	< 1.00	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	< 5.00	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	< 5.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 5.00	NA	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	< 1.00	NA	< 5.0	< 5	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	0.520 J	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	NA	< 1.00	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 5.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	NA	< 1.00	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-77	W-77	W-77	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-78	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79	W-79
				Date	1/3/2023	4/4/2023	10/9/2023	10/5/2019	4/14/2020	10/7/2020	10/13/2020	4/7/2021	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/5/2023	4/6/2023	10/9/2023	10/7/2019	4/13/2020	10/6/2020	4/6/2021	10/6/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023
				Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	< 1.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	NA	< 1.00	< 1.0	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 3.00	NA	< 1.0	< 1	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-79	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-82	W-82	W-82	W-82
				Date	10/6/2023	10/6/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	10/7/2021	4/6/2022	10/5/2022	4/11/2023	10/9/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	1.30 #	3.43	0.880 #	0.855 #	0 ##	2.69 #	NA	NA	NA	NA	0 ##	5.29	2.88 #	6.35	0.133 #	0 ##	4.37	NA	NA	NA	1.37 #	2.27 #	1.17 #	2.66
Radiological	Beta particles	50	*	pCi/L	NA	7.29	9.42	7.91	6.93	5.69	9.20	NA	NA	NA	NA	1.23 #	8.64	3.09 #	2.90 #	5.84	5.85	0.877 #	NA	NA	NA	4.82	6.49	2.49 #	0.370 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.657 #	2.56 #	0 ##	0 ##	2.11 #	1.17 #	1.09 #	0 ##	NA	0.145 #	1.27 #	0 ##	0 ##	0 ##	0.663 #	0.279 #	1.20 #	0 ##	0.951 #	0.475 #	0.577 #	0 ##	0 ##	0 ##	0.0115 #
Radiological	Uranium-233/234			pCi/L	NA	0.154 #	0.167 #	NA	0 ##	0.142 #	0 ##	NA	NA	0.314	NA	0.00840 #	0.349	NA	1.38	0.874	0.910	0.650	NA	0.126 #	NA	0.0453 #	0.0344 #	NA	0 ##
Radiological	Uranium-235/236			pCi/L	NA	0.0254 #	0.0226 #	NA	0 ##	0 ##	0.0266 #	NA	NA	0.104 #	NA	0 ##	0.0590 #	NA	0.0324 #	0.0533 #	0.123 #	0 #	NA	0.0391 #	NA	0 #	0.00931 #	NA	0.0729 #
Radiological	Uranium-238			pCi/L	NA	0.0695 #	0.106 #	NA	0.330 #	0.0345 #	0 #	NA	NA	0.212	NA	0.112 #	0.150 #	NA	0.633	0.477	0.231 #	0.380	NA	0.0404 #	NA	0.140 #	0.00738 #	NA	0.00134 #
Radiological	Percent Uranium-235			%	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	0.0286 J	0.0159 J	0.0166 J	0.0121 J	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	0.151 J	0.177 J	0.122 J	0.0963 J	0.106 J	0.114 J	0.222	NA	0.287	< 0.200	0.0728 J	0.393	0.628	2.53	1.41	1.35	0.960	0.504	0.240	< 0.200	0.151 J	< 0.200	0.0923 J	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.151 J	0.177 J	0.122 J	0.0963 J	0.106 J	0.114 J	0.222	NA	0.287	< 0.200	0.0728 J	0.393	0.628	2.55	1.42	1.36	0.972	0.504	0.240	< 0.200	0.151 J	< 0.200	0.0923 J	< 0.200
Chemical	Fluoride	4		mg/L	0.71	1.57	0.121	0.269	0.333	0.282	0.38	NA	0.49	0.11	0.17	0.042	0.067	0.154	0.412	0.056 J	0.053 J	< 0.10	< 0.10	< 0.10	< 0.10	0.046	0.041	0.051 J	0.0240 J
Chemical	Nitrate as N	10		mg/L	3.7	8.3	16	7.9	18	9.2	8.0	6.3	NA	15	12	3.1	1.4	1.3	4.5	3.8	4.1	3.7	5.7	3.8	3.0	0.99	1.8	1.5	3.0
Chemical	Ammonia as N			mg/L	NA	0.0927	0.0158	0.0255 J	0.0137 J	0.0378 J	NA	NA	NA	NA	NA	0.0762	0.381	0.0389 J	0.139	0.0352 J	0.0268 J	NA	NA	NA	NA	0.0275	0.0209	0.0215 J	0.0134 J
Metals	Aluminum			ug/L	NA	1210	136 J	265	NA	NA	NA	NA	NA	NA	NA	< 200	152 J	123 J	NA	NA	NA	NA	NA	NA	NA	107 J	85 J	< 200	NA
Metals	Antimony	6		ug/L	NA	5.32 J	< 20.0	5.09 J	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	7.19 J	< 20.0	6.36 J	NA
Metals	Arsenic	10		ug/L	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA
Metals	Barium	2000		ug/L	NA	124	126	82.7	NA	NA	NA	NA	NA	NA	NA	266	18.1	47.4	NA	NA	NA	NA	NA	NA	NA	162	188	211	NA
Metals	Beryllium	4		ug/L	NA	1.59 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Cadmium	5		ug/L	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Calcium			ug/L	NA	17000	22900	17500	NA	NA	NA	NA	NA	NA	NA	6000	14400	29700	NA	NA	NA	NA	NA	NA	NA	1520	6720	2640	NA
Metals	Chromium	100		ug/L	NA	< 10.0	< 10.0	1.24 J	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.79 J	< 10.0	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA
Metals	Cobalt			ug/L	NA	6.06	1.47 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	10.3	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	17.3	8.17	14.7	NA
Metals	Copper	1300		ug/L	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Iron			ug/L	NA	230	< 100	83.4 J	NA	NA	NA	NA	NA	NA	NA	18800	< 100	62 J	NA	NA	NA	NA	NA	NA	NA	3030	63.4 J	47.2 J	NA
Metals	Lead	15		ug/L	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Magnesium			ug/L	NA	5240	5800	4470	NA	NA	NA	NA	NA	NA	NA	1930	215 J	369	NA	NA	NA	NA	NA	NA	NA	902	1100	1160	NA
Metals	Manganese			ug/L	NA	118	50.7	27.7	NA	NA	NA	NA	NA	NA	NA	385	< 10.0	6.27 J	NA	NA	NA	NA	NA	NA	NA	227	93.1	146	NA
Metals	Mercury	2		ug/L	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA
Metals	Nickel			ug/L	NA	1.88 J	< 5.00	1.52 J	NA	NA	NA	NA	NA	NA	NA	2.31 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	2.93 J	2.56 J	3.87 J	NA
Metals	Potassium			ug/L	NA	7300	6190	6250	NA	NA	NA	NA	NA	NA	NA	4760	1250	1650	NA	NA	NA	NA	NA	NA	NA	1830	4650	1680	NA
Metals	Selenium	50		ug/L	NA	12.2 J	10.4 J	17.6 J	NA	NA	NA	NA	NA	NA	NA	< 30.0	9.74 J	15.8 J	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	10.7 J	NA
Metals	Silver			ug/L	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Sodium			ug/L	NA	53600	17800	15200	NA	NA	NA	NA	NA	NA	NA	16800	2310	2830	NA	NA	NA	NA	NA	NA	NA	25600	7730	24200	NA
Metals	Thallium	2		ug/L	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA
Metals	Vanadium			ug/L	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	1.25 J	1.55 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA
Metals	Zinc			ug/L	NA	8.47 J	17.1 J	19.8 J	NA	NA	NA	NA	NA	NA	NA	4.59 J	7.08 J	21.9	NA	NA	NA	NA	NA	NA	NA	13.1 J	105	44	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Chlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	2-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	3-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Chloroaniline			ug/L	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	4-Methylphenol			ug/L	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Acenaphthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Acetophenone			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Atrazine	3		ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-79	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-82	W-82	W-82	W-82
				Date	10/6/2023	10/6/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	10/7/2021	4/6/2022	10/5/2022	4/11/2023	10/9/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Caprolactam			ug/L	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0
SVOCs	Carbazole			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Chrysene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Diethyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Dimethyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0
SVOCs	Fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Fluorene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Hexachloroethane			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Isophorone			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Naphthalene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	< 1.0	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99	< 0.95
SVOCs	Phenanthrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Phenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80
SVOCs	Pyrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	< 1.0	2.8	< 1.0	7.7	1.4	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	3.9	3.8	< 1.0	280	58	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	1.8	12	6.2	6.3	17	12	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	Chloroform			ug/L	NA	< 1.0	2.3	1.7	5.9	4.6	1.6	< 1.0	NA	0.45 J	NA	< 1.0	< 1	< 1.0	3.6	2.7	2.6	3.5	2.1	1.8	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	< 0.020	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	0.044	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	0.027	< 0.019
VOCs	Dibromochloromethane			ug/L	NA	1.8	5.1	< 1.0	23	4.1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	2.9	1.5	1.5	1.5	1.1	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	< 0.020	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-79	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-80	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-81	W-82	W-82	W-82	W-82
				Date	10/6/2023	10/6/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	4/5/2022	10/5/2022	1/3/2023	4/6/2023	10/6/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021	10/7/2021	10/7/2021	4/6/2022	10/5/2022	4/11/2023	10/9/2023	10/8/2019	4/14/2020	10/6/2020	4/6/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-82	W-82	W-82	W-82	W-82	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-85	W-85
				Date	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/4/2022	4/5/2023	10/9/2023	10/23/2019	4/28/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	1.76 #	0 ##	NA	NA	NA	0.300 #	1.90 #	2.98 #	0 ##	1.50 #	0.941 #	NA	NA	NA	0 ##	4.27	0 ##	0.295 #	0 ##	0 ##	NA	NA	NA	1.42 #	1.74 #
Radiological	Beta particles	50	*	pCi/L	1.51 #	2.25 #	NA	NA	NA	2.75 #	3.68 #	0.568 #	0.207 #	0.822 #	3.70 #	NA	NA	NA	3.97 #	6.12	3.88	2.14 #	0.282 #	2.51 #	NA	NA	NA	1.23 #	3.47
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	1.72 #	0 ##	1.01 #	2.04 #	0 ##	0.914 #	0 ##	0 ##	0.692 #	1.28 #	0 ##	0.616 #	1.95 #	3.31 #	0 ##	0 ##	0 ##	0.481 #	0.165 #	1.48 #	0 ##	0 ##	2.13 #	0 ##	19.3 #	0 ##
Radiological	Uranium-233/234			pCi/L	0 ##	0.173 #	NA	NA	NA	0.603	0.0991 #	NA	0 ##	0 ##	0.130 #	NA	NA	NA	0.0661 #	0.0943 #	NA	0 ##	0 ##	0.0595 #	NA	NA	NA	0.0494 #	0 ##
Radiological	Uranium-235/236			pCi/L	0.0551 #	0.00942 #	NA	NA	NA	0.161 #	0.0149 #	NA	0 #	0.0143 #	0.0175 #	NA	NA	NA	0.0491 #	0.00983 #	NA	0 ##	0.0486 #	0.0225 #	NA	NA	NA	0.0621 #	0.0349 #
Radiological	Uranium-238			pCi/L	0 ##	0.0846 #	NA	NA	NA	0 ##	0.0242 #	NA	0 ##	0.00330 #	0.0957 #	NA	NA	NA	0 ##	0.0161 #	NA	0.0842 #	0.0434 #	0.139 #	NA	NA	NA	0.0502 #	0.00884 #
Radiological	Percent Uranium-235			%	0 #	0 #	NA	NA	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	0.254	0.128 J	0.209	0.0807 J	< 0.200	< 0.200	0.0837 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0704 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.254	0.128 J	0.209	0.0807 J	< 0.200	< 0.200	0.0837 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0704 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.064 J	< 0.10	< 0.10	< 0.10	< 0.10	0.079	0.104	0.126	0.0590 J	0.115	< 0.10	0.34	< 0.10	0.15	0.087	0.107	0.077 J	0.0580 J	0.092 J	< 0.10	< 0.10	< 0.10	< 0.10	0.23	0.217
Chemical	Nitrate as N	10		mg/L	1.8	0.53	1.4	0.87	1.0	0.76	0.8	0.69	1.1	0.85	0.50	1.0	1.1	0.85	< 0.020	< 0.02	0.065	< 0.020	0.091	< 0.020	< 0.020	0.089	0.034	0.039	0.023
Chemical	Ammonia as N			mg/L	0.0221 J	NA	NA	NA	NA	0.0099	0.0099	0.0289 J	0.00910 J	0.0243 J	NA	NA	NA	NA	0.0119	0.0202	0.0207 J	0.00850 J	0.0236 J	NA	NA	NA	NA	0.03	0.129
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	< 200	< 200	108 J	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA	NA	NA	< 200	< 200
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	4.83 J	NA	NA	NA	NA	NA	NA	6.48 J	< 20.0
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	7.94 J	< 30.0
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	114	96.3	126	NA	NA	NA	NA	NA	NA	215	234	235	NA	NA	NA	NA	NA	NA	236	189
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	4120	6020	8230	NA	NA	NA	NA	NA	NA	5960	5380	3390	NA	NA	NA	NA	NA	NA	9410	7430
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	< 10.0	1.02 J
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	10	3.65 J	5.99	NA	NA	NA	NA	NA	NA	19	17.8	26.5	NA	NA	NA	NA	NA	NA	2.69 J	< 5.00
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Iron			ug/L	NA	NA	NA	NA	NA	226	122	469	NA	NA	NA	NA	NA	NA	2710	1810	4280	NA	NA	NA	NA	NA	NA	23900	21400
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	7.16 J	4.32 J
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	2200	1420	1830	NA	NA	NA	NA	NA	NA	2390	2320	1490	NA	NA	NA	NA	NA	NA	3970	3350
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	170	63.2	83.1	NA	NA	NA	NA	NA	NA	1060	1060	1370	NA	NA	NA	NA	NA	NA	242	212
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	2.44 J	< 5.00	2.79 J	NA	NA	NA	NA	NA	NA	2.19 J	< 5.00	2.91 J	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	1360	1510	2400	NA	NA	NA	NA	NA	NA	1720	1420	1180	NA	NA	NA	NA	NA	NA	1620	1520
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	6.14 J	11.3 J	9.16 J	NA	NA	NA	NA	NA	NA	9.95 J	< 30.0	8.22 J	NA	NA	NA	NA	NA	NA	< 30.0	14.2 J
Metals	Silver			ug/L	NA	NA	NA	NA	NA	1.54 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	1.23 J	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	23200	17300	26800	NA	NA	NA	NA	NA	NA	25600	21500	24800	NA	NA	NA	NA	NA	NA	46200	40600
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	1.57 J	< 5.00
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	8.73 J	16.6 J	37.3	NA	NA	NA	NA	NA	NA	13.9 J	7.84 J	18.3 J	NA	NA	NA	NA	NA	NA	3.73 J	4.45 J
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-82	W-82	W-82	W-82	W-82	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-85	W-85
				Date	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/4/2022	4/5/2023	10/9/2023	10/23/2019	4/28/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.96	< 0.96	NA	NA	NA	NA	NA	NA	NA	< 0.98	< 0.95	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	2.1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	1.3	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	0.43 J	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-82	W-82	W-82	W-82	W-82	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-83	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-84	W-85	W-85
				Date	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/5/2022	4/5/2023	10/9/2023	10/8/2019	4/13/2020	10/6/2020	4/6/2021	10/7/2021	4/6/2022	10/4/2022	4/5/2023	10/9/2023	10/23/2019	4/28/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-85	W-85	W-85	W-85	W-85	W-85	W-85	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-87	W-87	W-87	W-87	W-87	W-87	W-87	W-87
				Date	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/23/2019	4/28/2020	10/23/2020	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/2/2019	4/15/2020	10/14/2020	4/15/2021	10/13/2021	4/11/2022	10/11/2022	4/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0.493 #	1.26 #	2.78 #	1.26 #	NA	NA	NA	0.317 #	1.90 #	0.214 #	0.956 #	2.40 #	0 ##	0.180 #	NA	NA	NA	1.68 #	3.87	0 ##	4.42	2.81	0.408 #	NA	NA
Radiological	Beta particles	50	*	pCi/L	0.347 #	3.55 #	1.85 #	3.11 #	NA	NA	NA	7.12	0.0942 #	0.0401 #	2.55 #	2.56 #	0.663 #	1.60 #	NA	NA	NA	4.92	1.57 #	0.453 #	1.01 #	9.79	4.06 #	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.599 #	1.98 #	0 ##	0.582 #	0 ##	1.24 #	1.15 #	8.88 #	0 ##	0 ##	1.16 #	0.664 #	0 ##	0.347 #	0 ##	0.473 #	1.55 #	0.787 #	0 ##	0 ##	0 ##	1.05 #	0.437 #	1.14 #	0 ##
Radiological	Uranium-233/234			pCi/L	NA	0 ##	0 ##	0 ##	NA	0.179 #	NA	0.125 #	0.0841 #	NA	NA	0 ##	0 ##	0.0372 #	NA	0.118 #	NA	0.175 #	0.0251 #	NA	0.00879 #	0.0823 #	0.242 #	NA	0.0595 #
Radiological	Uranium-235/236			pCi/L	NA	0 #	0 ##	0.133 #	NA	0.171 #	NA	0.130 #	0.00967 #	NA	NA	0 #	0 ##	0 ##	NA	0 ##	NA	0.00163 #	0 ##	NA	0 #	0.0296 #	0 ##	NA	0 ##
Radiological	Uranium-238			pCi/L	NA	0.0921 #	0 ##	0.0794 #	NA	0.0920 #	NA	0.137 #	0.0315 #	NA	NA	0 ##	0.147 #	0.142 #	NA	0.0456 #	NA	0.151 #	0 ##	NA	0.0853 #	0.0689 #	0.183 #	NA	0.0827 #
Radiological	Percent Uranium-235			%	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	0.131 J	0.0781 J	0.106 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0835 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.457	0.139 J	0.123 J	0.351	0.445	0.611	0.503	0.180 J
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	0.131 J	0.0781 J	0.106 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0835 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.457	0.139 J	0.123 J	0.351	0.445	0.611	0.503	0.180 J
Chemical	Fluoride	4		mg/L	0.183	0.190	0.152	0.23	0.12	0.12	0.29	0.511	0.473	0.455	0.459	0.432	0.377	0.52	0.44	0.40	0.50	0.278	0.239	0.133	0.115	0.117	0.14	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	< 0.020	< 0.020	< 0.020	0.14	0.062	0.028	0.11	< 0.020	< 0.02	< 0.020	< 0.020	< 0.020	< 0.020	0.27	< 0.020	< 0.020	< 0.020	0.055	0.045	0.04	0.097	0.19	0.085	0.36	0.46
Chemical	Ammonia as N			mg/L	0.0619 J	0.0727 J	0.127	NA	NA	NA	NA	0.0073	0.0137	0.0173 J	0.0168 J	0.168	0.0166 J	NA	NA	NA	NA	0.0127	0.0306	0.031 J	0.0282 J	0.027 J	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	419	215	NA	NA	NA	NA	NA	NA	NA	NA	382	79.4 J	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	5.21 J	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	5.58 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	101	78.9	NA	NA	NA	NA	NA	NA	NA	NA	89.8	44.4	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	2060	1000	NA	NA	NA	NA	NA	NA	NA	NA	5440	3160	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.26 J	NA	NA	NA	NA	NA	NA	NA	NA	1.02 J	< 10.0	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	3.99 J	2.75 J	NA	NA	NA	NA	NA	NA	NA	NA	4.87 J	1.65 J	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	7810	2000	NA	NA	NA	NA	NA	NA	NA	NA	3160	979	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	1180	621	NA	NA	NA	NA	NA	NA	NA	NA	1770	912	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	39.6	18.3	NA	NA	NA	NA	NA	NA	NA	NA	386	197	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	1.64 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	174	75.8 J	NA	NA	NA	NA	NA	NA	NA	NA	2250	1760	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	6.47 J	< 30.0	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	1.44 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	51000	49800	NA	NA	NA	NA	NA	NA	NA	NA	32500	28700	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	1.1 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	2.74 J	< 5.00	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	3.59 J	7.37 J	NA	NA	NA	NA	NA	NA	NA	NA	7.31 J	6.35 J	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-85	W-85	W-85	W-85	W-85	W-85	W-85	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-87	W-87	W-87	W-87	W-87	W-87	W-87	W-87
				Date	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/23/2019	4/28/2020	10/23/2020	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/2/2019	4/15/2020	10/14/2020	4/15/2021	10/13/2021	4/11/2022	10/11/2022	4/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	0.95	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Phenol			ug/L	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.020	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	38	41	45	40	34	26	41	39
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11	8.6	8.2	8.5	6.6	7.1	10	12

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-85	W-85	W-85	W-85	W-85	W-85	W-85	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-86	W-87	W-87	W-87	W-87	W-87	W-87	W-87	W-87
				Date	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/23/2019	4/28/2020	10/23/2020	10/23/2020	4/22/2021	10/22/2021	4/25/2022	10/19/2022	4/19/2023	10/18/2023	10/2/2019	4/15/2020	10/14/2020	4/15/2021	10/13/2021	4/11/2022	10/11/2022	4/12/2023
				Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-87	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-90	W-90	W-90	W-90	W-90
				Date	10/17/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/20/2020	4/20/2021	10/20/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	2.50 #	3.63	0 ##	3.35 #	0.593 #	0 ##	NA	NA	NA	0.498 #	1.61 #	1.02 #	0.330 #	0.991 #	2.37 #	NA	NA	NA	NA	0.889 #	3.85	1.19 #	2.04 #	0.419 #
Radiological	Beta particles	50	*	pCi/L	NA	2.05 #	4.16 #	0.984 #	3.64 #	0.117 #	1.92 #	NA	NA	NA	0 ##	1.25 #	0.115 #	2.67 #	2.99 #	0 ##	NA	NA	NA	NA	23.1	2.69 #	0.143 #	2.37 #	2.13 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	6.34 #	1.15 #	1.15 #	1.42 #	1.74 #	2.08 #	1.33 #	0 ##	1.75 #	27.5 #	0 ##	0.647 #	0 ##	0.544 #	2.06 #	1.89 #	0 ##	0 ##	0.379 #	6.68 #	0 ##	0.404 #	0 ##	0.185 #
Radiological	Uranium-233/234			pCi/L	NA	0.107 #	0.0393 #	NA	0 ##	0 ##	0 ##	NA	0.0699 #	NA	0.209 #	0 ##	NA	0 ##	0.107 #	0.0284 #	NA	0.0593 #	0 ##	NA	0.0370 #	0 ##	NA	0 ##	0 ##
Radiological	Uranium-235/236			pCi/L	NA	0.0449 #	0 ##	NA	0.0337 #	0.0772 #	0 #	NA	0 ##	NA	0 ##	0.0379 #	NA	0.0326 #	0 ##	0.0583 #	NA	0.102 #	0.0399 #	NA	0.0653 #	0 ##	NA	0 ##	0 ##
Radiological	Uranium-238			pCi/L	NA	0.185 #	0 ##	NA	0 ##	0 ##	0.0969 #	NA	0 ##	NA	0 ##	0 ##	NA	0 ##	0.0119 #	0 ##	NA	0.0688 #	0 #	NA	0 ##	0 ##	NA	0.0976 #	0 ##
Radiological	Percent Uranium-235			%	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	NA	0 #	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.374	< 0.200	< 0.200	< 0.200	0.108 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0916 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.374	< 0.200	< 0.200	< 0.200	0.108 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0916 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.10	0.012	< 0.1	< 0.1	0.0220 J	0.034 J	< 0.10	< 0.10	< 0.10	< 0.10	0.011	0.001	< 0.1	0.0170 J	0.067 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.039	< 0.1	< 0.1	0.0160 J	0.013 J
Chemical	Nitrate as N	10		mg/L	0.63	4.5	4.3	4.2	4.0	3.5	3.5	3.5	3.2	3.1	2.5	2.5	2.7	2.3	2.2	2.3	2.5	2.2	2.3	1.9	2.3	1.4	2.5	1.7	2.8
Chemical	Ammonia as N			mg/L	NA	0.0127	0.0157	0.0322 J	0.00640 J	0.0194 J	NA	NA	NA	NA	0.0132	0.0336	0.0176 J	0.00760 J	0.019 J	NA	NA	NA	NA	NA	0.0147	0.0174	0.0456 J	0.0204 J	0.0165 J
Metals	Aluminum			ug/L	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA
Metals	Antimony	6		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Barium	2000		ug/L	NA	90.5	96	NA	NA	NA	NA	NA	NA	NA	94	83.4	NA	NA	NA	NA	NA	NA	NA	NA	101	92.7	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Calcium			ug/L	NA	5450	5280	NA	NA	NA	NA	NA	NA	NA	4380	3190	NA	NA	NA	NA	NA	NA	NA	NA	3540	3030	NA	NA	NA
Metals	Chromium	100		ug/L	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	2.85 J	3.76 J	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA
Metals	Cobalt			ug/L	NA	1.08 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	1.08 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	1.62 J	1.17 J	NA	NA	NA
Metals	Copper	1300		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Iron			ug/L	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA
Metals	Lead	15		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	4.88 J	< 20.0	NA	NA	NA
Metals	Magnesium			ug/L	NA	1840	1610	NA	NA	NA	NA	NA	NA	NA	1940	1300	NA	NA	NA	NA	NA	NA	NA	NA	1300	976	NA	NA	NA
Metals	Manganese			ug/L	NA	6.1 J	5.36 J	NA	NA	NA	NA	NA	NA	NA	7.45 J	3.6 J	NA	NA	NA	NA	NA	NA	NA	NA	16.5	9.78 J	NA	NA	NA
Metals	Mercury	2		ug/L	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA
Metals	Nickel			ug/L	NA	1.54 J	1.58 J	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.53 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	2.05 J	NA	NA	NA
Metals	Potassium			ug/L	NA	2010	1820	NA	NA	NA	NA	NA	NA	NA	1680	1300	NA	NA	NA	NA	NA	NA	NA	NA	1710	1710	NA	NA	NA
Metals	Selenium	50		ug/L	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA
Metals	Silver			ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Sodium			ug/L	NA	6330	5820	NA	NA	NA	NA	NA	NA	NA	3430	7460	NA	NA	NA	NA	NA	NA	NA	NA	6810	6600	NA	NA	NA
Metals	Thallium	2		ug/L	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA
Metals	Vanadium			ug/L	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA
Metals	Zinc			ug/L	NA	10.3 J	9.51 J	NA	NA	NA	NA	NA	NA	NA	< 20.0	6.15 J	NA	NA	NA	NA	NA	NA	NA	NA	6.93 J	9.32 J	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Chlorophenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	2-Methylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	2-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	2-Nitrophenol			ug/L	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	3-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Chloroaniline			ug/L	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	4-Methylphenol			ug/L	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA
SVOCs	4-Nitroaniline			ug/L	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA
SVOCs	4-Nitrophenol			ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Acenaphthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acenaphthylene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Acetophenone			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Atrazine	3		ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzaldehyde			ug/L	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-87	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-90	W-90	W-90	W-90	W-90
				Date	10/17/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/20/2020	4/20/2021	10/20/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Caprolactam			ug/L	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA
SVOCs	Carbazole			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Chrysene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Dibenzofuran			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Diethyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Dimethyl phthalate			ug/L	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA
SVOCs	Fluoranthene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Fluorene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Hexachloroethane			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Isophorone			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Naphthalene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Nitrobenzene			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	< 0.97	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.95	NA
SVOCs	Phenanthrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Phenol			ug/L	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA
SVOCs	Pyrene			ug/L	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	33	4.1	3.9	3.4	2.7	2.4	2.0	1.4	1.3	1.6	2.1	6.7	1.5	6.4	1.2	1.7	1.6	0.78 J	0.59 J	0.57 J	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	6.6	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-87	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-88	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-89	W-90	W-90	W-90	W-90	W-90
				Date	10/17/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/19/2020	4/21/2021	10/21/2021	4/15/2022	10/18/2022	4/18/2023	4/18/2023	10/16/2023	10/22/2019	4/17/2020	10/20/2020	4/20/2021	10/20/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-90	W-90	W-90	W-90	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-93	W-93	W-93
				Date	4/18/2022	10/18/2022	4/17/2023	10/13/2023	4/22/2020	10/22/2020	4/20/2021	10/20/2021	4/18/2022	4/17/2023	10/13/2023	10/13/2023	10/10/2019	4/27/2020	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023	10/20/2023	10/6/2019	4/14/2020	10/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	1.72 #	NA	NA	NA	1.84 #	0.262 #	2.12 #	0 ##	1.70 #	NA	NA	NA	1.58 #	0.372 #	0 ##	1.94 #	1.90 #	3.35	0	NA	NA	NA	3.06	1.12 #	0.885 #
Radiological	Beta particles	50	*	pCi/L	0 ##	NA	NA	NA	4.24 #	4.15 #	5.13	0 ##	2.20 #	NA	NA	NA	3.78 #	2.51 #	1.63 #	2.70 #	4.59	0.885 #	1.18 #	NA	NA	NA	8.18	3.82 #	1.74 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	1.92 #	3.48	0.103 #	4.12	0.624 #	0 ##	0.186 #	0.352 #	1.47 #	0 ##	2.64 #	3.01 #	0 ##	2.49 #	1.99 #	1.93 #	3.40 #	2.76 #	2.58	0.800 #	2.56	2.44 #	0 ##	0 ##	1.82 #
Radiological	Uranium-233/234			pCi/L	0.0292 #	NA	0.134 #	NA	0.0885 #	NA	0 ##	0 ##	0 ##	0.0179 #	NA	NA	0.0426 #	0.0370 #	0 ##	NA	0 ##	0.0378 #	0 ##	NA	0 ##	NA	0.115 #	0 ##	NA
Radiological	Uranium-235/236			pCi/L	0.103 #	NA	0.0485 #	NA	0.0566 #	NA	0 ##	0 ##	0.139 #	0.0454 #	NA	NA	0 ##	0.0378 #	0.0249 #	NA	0 #	0 ##	0.0395 #	NA	0.0446 #	NA	0.0644 #	0.0396 #	NA
Radiological	Uranium-238			pCi/L	0.0732 #	NA	0 ##	NA	0.0532 #	NA	0 ##	0 ##	0.136	0 ##	NA	NA	0.0765 #	0 ##	0.0296 #	NA	0 ##	0 ##	0.0741 #	NA	0.229 #	NA	0.0900 #	0.0238 #	NA
Radiological	Percent Uranium-235			%	0 #	NA	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.106 J
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	0.0674 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.106 J
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	0.033	< 0.1	0.0140 J	0.014 J	< 0.10	< 0.10	< 0.10	< 0.10	0.099	0.1	0.099	0.108	0.0950 J	0.12	0.15	0.17	0.15	0.24	0.043	0.017	NA
Chemical	Nitrate as N	10		mg/L	2.7	1.9	< 0.020	2.3	0.34	1.1	2.0	1.2	0.43	1.3	2.7	2.7	0.029	< 0.02	< 0.02	0.076	0.068	< 0.020	0.12	0.068	< 0.020	0.026	5.3	4.6	4.4
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.021	0.0115 J	0.0312 J	0.0174 J	NA	NA	NA	NA	3.19	4.11	4.06	4.84	4.01	4.39	NA	NA	NA	NA	0.0324	0.0139	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	4.77 J	< 20.0	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	6.43 J	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	126	NA	NA	NA	NA	NA	NA	NA	165	167	154	NA	NA	NA	NA	NA	NA	NA	91.2	88.8	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	7050	NA	NA	NA	NA	NA	NA	NA	6100	6640	6630	NA	NA	NA	NA	NA	NA	NA	5470	6070	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	4.15 J	NA	NA	NA	NA	NA	NA	NA	< 10.0	1 J	1.21 J	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	2.73 J	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	3.97 J	< 5.00	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Iron			ug/L	NA	NA	NA	NA	108	NA	NA	NA	NA	NA	NA	NA	21200	19800	19700	NA	NA	NA	NA	NA	NA	NA	< 100	< 100	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.37 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	1110	NA	NA	NA	NA	NA	NA	NA	4490	4660	4690	NA	NA	NA	NA	NA	NA	NA	3060	2760	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	53.1	NA	NA	NA	NA	NA	NA	NA	687	707	700	NA	NA	NA	NA	NA	NA	NA	171	40	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	3 J	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	2.76 J	< 5.00	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	2550	NA	NA	NA	NA	NA	NA	NA	1630	1880	1840	NA	NA	NA	NA	NA	NA	NA	2830	2430	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	7.33 J	NA	NA	NA	NA	NA	NA	NA	15.3 J	6.95 J	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	1.12 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	3190	NA	NA	NA	NA	NA	NA	NA	15800	16300	16100	NA	NA	NA	NA	NA	NA	NA	11700	10400	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	8.69 J	NA	NA	NA	NA	NA	NA	NA	3.97 J	5 J	3.78 J	NA	NA	NA	NA	NA	NA	NA	12 J	8.22 J	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	0.35	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-90	W-90	W-90	W-90	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-93	W-93	W-93
				Date	4/18/2022	10/18/2022	4/17/2023	10/13/2023	4/22/2020	10/22/2020	4/20/2021	10/20/2021	4/18/2022	4/17/2023	10/13/2023	10/13/2023	10/10/2019	4/27/2020	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023	10/20/2023	10/6/2019	4/14/2020	10/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	0.84	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Phenol			ug/L	NA	NA	NA	NA	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 50.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 4.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 4.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020
VOCs	Dibromochloromethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.020
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 10.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	24	28	36
VOCs	Toluene	1000		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 2.0	< 1.0	0.75 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.8	3.6	4.2

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-90	W-90	W-90	W-90	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-91	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-92	W-93	W-93	W-93
				Date	4/18/2022	10/18/2022	4/17/2023	10/13/2023	4/22/2020	10/22/2020	4/20/2021	10/20/2021	4/18/2022	4/17/2023	10/13/2023	10/13/2023	10/10/2019	4/27/2020	4/27/2020	10/26/2020	4/21/2021	10/22/2021	4/21/2022	10/19/2022	4/20/2023	10/20/2023	10/6/2019	4/14/2020	10/7/2020
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 2.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-95	W-95	W-95	W-95	W-95	W-95
				Date	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/6/2023	10/15/2019	4/24/2020	10/26/2020	10/26/2020	4/23/2021	6/9/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/15/2019	4/24/2020	10/26/2020	4/22/2021	10/26/2021	4/20/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	NA	1.29 #	2.17 #	0 ##	NA	NA	NA	NA	1.14 #	0.640 #	0.890 #	0 ##	1.65 #	NA	3.82 #	1.29 #	NA	NA	NA	0.695 #	1.22 #	2.10 #	0.537 #	2.57 #	0.255
Radiological	Beta particles	50	*	pCi/L	NA	4.16	3.21 #	2.99 #	NA	NA	NA	NA	2.48 #	0.552 #	4.34 #	20.4	0 ##	NA	5.78	2.49 #	NA	NA	NA	0.814 #	1.90 #	11.2	1.60 #	3.99	6.47
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	NA	0 ##	0 ##	1.33 #	0 ##	NA	0.0508 #	3.43 #	20.4 #	0 ##	0 ##	0 ##	0.696 #	NA	0 ##	0 ##	0 ##	0 ##	0 ##	2.35 #	0 ##	0 ##	0 ##	0 ##	0.193 #
Radiological	Uranium-233/234			pCi/L	NA	0.163 #	0.264	0 ##	NA	NA	1.18	NA	0.0614 #	0.129 #	NA	NA	0.202 #	NA	0 ##	0 ##	NA	0.0746 #	NA	0.0378 #	0.108 #	NA	0 ##	0 ##	0.0521 #
Radiological	Uranium-235/236			pCi/L	NA	0.0547 #	0.101 #	0 ##	NA	NA	0.0467 #	NA	0 ##	0 ##	NA	NA	0.121 #	NA	0 ##	0.176 #	NA	0 #	NA	0.0692 #	0.0369 #	NA	0.0234 #	0 ##	0.126 #
Radiological	Uranium-238			pCi/L	NA	0.0885 #	0.0520 #	0.0125 #	NA	NA	0 ##	NA	0.0262 #	0 ##	NA	NA	0 ##	NA	0 ##	0.0167 #	NA	0 ##	NA	0.0560 #	0.00597 #	NA	0.0568 #	0 ##	0.146 #
Radiological	Percent Uranium-235			%	NA	0 #	0 #	0 #	NA	NA	0 #	NA	0 #	0 #	NA	NA	0 #	NA	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	0.0177 J	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	NA	< 0.200	< 0.200	0.0849 J	< 0.200	NA	0.429	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.114 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	NA	< 0.200	< 0.200	0.0849 J	< 0.200	NA	0.447	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	NA	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.114 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.033 J	0.0220 J	0.036 J	< 0.10	NA	0.22	< 0.10	< 0.10	0.043	0.043	0.03 J	0.026 J	NA	0.0280 J	0.049 J	< 0.10	< 0.10	< 0.10	< 0.10	0.077	0.05	0.033 J	0.0570 J	0.233	< 0.10
Chemical	Nitrate as N	10		mg/L	NA	4.5	4.9	5.4	4.6	NA	5.5	6.2	< 0.020	< 0.02	0.077	0.16	0.054	NA	0.089	0.050	0.077	< 0.020	0.039	0.024	0.037	0.058	0.039	0.076	0.059
Chemical	Ammonia as N			mg/L	0.0253 J	0.0258 J	0.0174 J	NA	NA	NA	NA	NA	0.246	0.245	0.347	0.307	NA	0.228	0.275	NA	NA	NA	NA	0.145	0.174	0.197	0.110	0.203	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	114	83.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	110	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	5440	4560	NA	NA	NA	NA	NA	NA	NA	NA	NA	6230	5490	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.3 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.24 J	1.46 J	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	20900	16500	NA	NA	NA	NA	NA	NA	NA	NA	NA	42900	38500	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.52 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	6.27 J	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	2490	2290	NA	NA	NA	NA	NA	NA	NA	NA	NA	3880	3390	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	431	355	NA	NA	NA	NA	NA	NA	NA	NA	NA	538	498	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1.94 J	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.33 J	< 5.00	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	1110	1020	NA	NA	NA	NA	NA	NA	NA	NA	NA	1190	1150	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	8060	7660	NA	NA	NA	NA	NA	NA	NA	NA	NA	9960	8950	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	4.18 J	3.76 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20.0	7.23 J	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Acenaphthene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Acetophenone			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Anthracene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Atrazine	3		ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-95	W-95	W-95	W-95	W-95	W-95
				Date	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/6/2023	10/15/2019	4/24/2020	10/26/2020	10/26/2020	4/23/2021	6/9/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/15/2019	4/24/2020	10/26/2020	4/22/2021	10/26/2021	4/20/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Caprolactam			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	9.2	NA	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA
SVOCs	Carbazole			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Chrysene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA
SVOCs	Fluoranthene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Fluorene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Isophorone			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Naphthalene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	NA	NA
SVOCs	Phenanthrene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Phenol			ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA
SVOCs	Pyrene			ug/L	NA	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	< 0.020	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	5.3	5.6	6	6.1	5.3	NA	5.8	5.8	5.5	5.2	6.8	4.3	3.7	4	2.7	2.4	3.2
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	NA	29	32	33	31	NA	26	28	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	NA	3.8	4.0	4.3	3.8	NA	3.6	3.7	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-93	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-94	W-95	W-95	W-95	W-95	W-95	W-95
				Date	10/13/2020	4/7/2021	10/6/2021	4/5/2022	10/6/2022	1/3/2023	4/6/2023	10/6/2023	10/15/2019	4/24/2020	10/26/2020	10/26/2020	4/23/2021	6/9/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/15/2019	4/24/2020	10/26/2020	4/22/2021	10/26/2021	4/20/2022
				Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	1.4	1.2	1.6	2.9	2.9	3.3	3.2	4.2	3.6
VOCs	Xylenes, Total	10000		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-95	W-95	W-95	W-95	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-98	W-98
				Date	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/11/2019	4/24/2020	10/27/2020	4/22/2021	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023	10/11/2019	4/24/2020	10/27/2020	4/21/2021	10/25/2021	10/25/2021	4/20/2022	10/20/2022	4/21/2023	10/23/2023	2/15/2021	10/19/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	2.06	NA	NA	NA	2.51 #	0.667 #	0.0674 #	0.253 #	0.893 #	0.774 #	NA	NA	NA	0.168 #	6.24	3.05 #	2.07 #	1.69 #	0.808 #	4.71	NA	NA	NA	2.38 #	2.36 #
Radiological	Beta particles	50	*	pCi/L	0 ##	NA	NA	NA	4.36	3.11 #	4.61	1.76 #	2.22 #	1.69 #	NA	NA	NA	11.0	53.8	24.5	42.3	10.3	12.9	8.35	NA	NA	NA	13.4	16.3
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0.160 #	0 ##	0 ##	0.00377 #	2.31 #	0.392 #	0 ##	0 ##	1.25 #	0.888 #	2.81 #	10.3 #	88.3	33.8	97.8	14.7	15.9	20.7	11.3	10.1	58.0	1.71 #	6.30
Radiological	Uranium-233/234			pCi/L	0.0578 #	NA	0 ##	NA	0.0695 #	0.0173 #	NA	0 ##	0.0564 #	0 ##	NA	0.158 #	NA	0.106 #	0.0625 #	NA	0 ##	0 ##	0.0789 #	0 ##	NA	0 ##	NA	0.320	0 ##
Radiological	Uranium-235/236			pCi/L	0.0333 #	NA	0.0130 #	NA	0.108 #	0 ##	NA	0.0441 #	0.0586 #	0.0271 #	NA	0.101 #	NA	0.0403 #	0.00869 #	NA	0 #	0.0222 #	0 ##	0.0357 #	NA	0 ##	NA	0.223	0.0516 #
Radiological	Uranium-238			pCi/L	0.111 #	NA	0.0105 #	NA	0.0719 #	0.110 #	NA	0.0535 #	0 ##	0.0539 #	NA	0 ##	NA	0.0495 #	0 ##	NA	0.0373 #	0 ##	0 ##	0 ##	NA	0.0542 #	NA	0 ##	0 ##
Radiological	Percent Uranium-235			%	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	0	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.050	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.070	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.119 J	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.119 J	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	0.111	0.059	0.073 J	0.0710 J	0.092 J	< 0.10	< 0.10	< 0.10	< 0.10	0.375	0.233	0.408	0.298	0.481	0.451	0.31	0.17	0.18	0.27	0.039 J	0.019 J
Chemical	Nitrate as N	10		mg/L	0.059	0.089	< 0.020	0.041	0.054	< 0.02	0.032	< 0.020	< 0.020	0.17	0.025	< 0.020	< 0.020	3.4	6	6.3	15	4.5	4.2	3.8	2.0	2.6	10	5.4	11
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.228	0.165	0.164	0.0950 J	0.241	NA	NA	NA	NA	4.89	2.32	4.17	5.28	7.35	6.65	NA	NA	NA	NA	0.431	0.356
Metals	Aluminum			ug/L	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	82.7 J	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	3.97 J	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	128	140	NA	NA	NA	NA	NA	NA	NA	155	171	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	8750	7970	NA	NA	NA	NA	NA	NA	NA	7250	6680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA	NA	< 10.0	1.42 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	3.35 J	2.73 J	NA	NA	NA	NA	NA	NA	NA	1.05 J	1.82 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	32300	25300	NA	NA	NA	NA	NA	NA	NA	492	32.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	< 20.0	5.7 J	NA	NA	NA	NA	NA	NA	NA	< 20.0	4.64 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	4150	4290	NA	NA	NA	NA	NA	NA	NA	3420	3460	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	880	1140	NA	NA	NA	NA	NA	NA	NA	98.9	98.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	< 0.200	< 0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	3.18 J	3.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	2020	1910	NA	NA	NA	NA	NA	NA	NA	3780	2330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	< 30.0	< 30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	18300	22100	NA	NA	NA	NA	NA	NA	NA	20800	22000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	< 20.0	< 20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	< 5.00	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	6 J	4.17 J	NA	NA	NA	NA	NA	NA	NA	9.02 J	13 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 8.0	< 8	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 4.0	< 4	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	< 8.0	< 8	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-95	W-95	W-95	W-95	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-98	W-98
				Date	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/11/2019	4/24/2020	10/27/2020	4/22/2021	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023	10/11/2019	4/24/2020	10/27/2020	4/21/2021	10/25/2021	10/25/2021	4/20/2022	10/20/2022	4/21/2023	10/23/2023	2/15/2021	10/19/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 8.0	< 8	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 20	< 20	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	< 0.98	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 0.96	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 4.0	< 4	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.80	< 0.8	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	NA	< 2	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	< 0.020	< 0.019	NA	NA	NA	NA	NA	NA	NA	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	NA	< 2	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	3.2	2.7	2.8	3.9	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	0.48 J	1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.83 J	0.41 J	< 1	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	1.1	1.3	< 1.0	2.4	0.89 J	< 1.0	4.3	9.8	6.4	16	5.6	5.9	5.2	2.9	4.7	13	< 1	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	2.0	1.5	3.1	1.7	1.6	1.2	2	1.6	4.6	1.7	1.7	1.2	0.56 J	1.4	2.8	< 1	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-95	W-95	W-95	W-95	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-96	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-97	W-98	W-98
				Date	4/20/2022	10/20/2022	4/24/2023	10/25/2023	10/11/2019	4/24/2020	10/27/2020	4/22/2021	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023	10/11/2019	4/24/2020	10/27/2020	4/21/2021	10/25/2021	10/25/2021	4/20/2022	10/20/2022	4/21/2023	10/23/2023	2/15/2021	10/19/2021
				Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Vinyl chloride	2		ug/L	3.8	3.1	2.7	2.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-98	W-98	W-98	W-98	W-99	W-99	W-99	W-99	W-99	W-99	W-100	W-100	W-100	W-100	W-100	W-100	W-102	W-102	W-102	W-102	W-102	W-102	W-102	W-103	W-103
				Date	4/18/2022	10/18/2022	4/18/2023	10/19/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	2/15/2021	10/18/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	0.818 #	NA	NA	NA	4.95	1.01 #	0.867 #	NA	NA	NA	0.377 #	2.75 #	1.76 #	NA	NA	NA	1.76 #	6.57	5.22	NA	NA	NA	NA	0 ##	0 ##
Radiological	Beta particles	50	*	pCi/L	12.7	NA	NA	NA	39.7	40.6	31.5	NA	NA	NA	4.68 #	23.9	6.75	NA	NA	NA	72.6	80.6	57.2	NA	NA	NA	NA	16.2	7.53
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	7.44	10.4	6.87	8.92	45.2	57.7	41.7	45.7	39.9	45.9	6.43	18.0	12.3	33.0	1.98 #	3.33 #	109	119	98.8	84.2	NA	89.8	100	21.6	40.2
Radiological	Uranium-233/234			pCi/L	0 ##	NA	0.228 #	NA	0.765	0.314 #	0 ##	NA	0.164 #	NA	0.340	0.0196 #	0.394 #	NA	0.0811 #	NA	0.535	1.81	1.68	NA	NA	1.31	NA	0.265 #	0 ##
Radiological	Uranium-235/236			pCi/L	0.0234 #	NA	0.0449 #	NA	0.0580 #	0.0255 #	0 ##	NA	0.0295 #	NA	0.100 #	0.0619 #	0.0482 #	NA	0.00151 #	NA	0.225	0.136	0.179	NA	NA	0.0675 #	NA	0.140 #	0 ##
Radiological	Uranium-238			pCi/L	0 ##	NA	0.568	NA	0.789	0.130 #	0.0594 #	NA	0.157	NA	0.161 #	0 ##	0.152 #	NA	0 ##	NA	0.293	0.396	0.740	NA	NA	0.253	NA	0.0501 #	0 ##
Radiological	Percent Uranium-235			%	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	10.7	5.06	3.62	NA	NA	0 #	NA	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0106 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0114 J	0.0312 J	0.0357 J	0.0329 J	NA	0.0241 J	0.0307 J	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	1.12	0.243	0.350	0.194 J	0.150 J	< 0.200	0.177 J	0.180 J	0.163 J	0.188 J	0.104 J	< 0.200	0.635	1.78	1.86	1.76	NA	1.30	1.56	0.0778 J	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	1.13	0.243	0.350	0.194 J	0.150 J	< 0.200	0.177 J	0.180 J	0.163 J	0.188 J	0.104 J	< 0.200	0.646	1.81	1.89	1.80	NA	1.32	1.59	0.0778 J	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	2.17	2.96	2.7	3.1	1.9	3.1	0.399	1.91	1.3	2.5	0.39	1.8	2.55	3.74	3.5	NA	3.4	2.9	3.2	0.018 J	0.032 J
Chemical	Nitrate as N	10		mg/L	11	9.4	9.5	8.5	3.6	7.8	0.56	0.095	1.5	0.47	1.3	7.6	2.0	2.7	1.6	3.9	52	95	58	89	NA	91	78	7.1	10
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	3.74	3.25	NA	NA	NA	NA	0.428	8.27	NA	NA	NA	NA	17.6	35.1	NA	NA	NA	NA	NA	0.141	0.387
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-98	W-98	W-98	W-98	W-99	W-99	W-99	W-99	W-99	W-99	W-100	W-100	W-100	W-100	W-100	W-100	W-102	W-102	W-102	W-102	W-102	W-102	W-103	W-103
				Date	4/18/2022	10/18/2022	4/18/2023	10/19/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	2/15/2021	10/18/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	NA	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.9	5.1	4.0	4.3	NA	4.1	3.9	< 1	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	0.41 J	11	3.4	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	55	48	41	44	NA	41	35	19	24
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	0.48 J	< 1	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.9	6.4	6.1	5.7	NA	6.0	5.2	4.3	5.2

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-98	W-98	W-98	W-98	W-99	W-99	W-99	W-99	W-99	W-99	W-100	W-100	W-100	W-100	W-100	W-100	W-102	W-102	W-102	W-102	W-102	W-102	W-103	W-103
				Date	4/18/2022	10/18/2022	4/18/2023	10/19/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/15/2021	4/15/2022	10/14/2022	4/12/2023	10/11/2023	2/15/2021	10/8/2021	4/7/2022	10/10/2022	1/5/2023	4/11/2023	10/10/2023	2/15/2021	10/18/2021
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-103	W-103	W-103	W-103	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-105	W-105	W-105	W-105	W-105	W-105	W-106	W-106	W-106	W-106	W-106	W-106
				Date	4/14/2022	10/17/2022	4/10/2023	10/23/2023	2/16/2021	2/16/2021	10/25/2021	4/21/2022	10/20/2022	10/20/2022	4/20/2023	10/24/2023	2/16/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	2/19/2021	4/15/2021	10/18/2021	4/14/2022	10/14/2022	4/13/2023	10/19/2023
				Type	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
Radiological	Alpha particles	15	*	pCi/L	0 ##	NA	NA	NA	0.493 #	0.977 #	0.457 #	1.55 #	NA	NA	NA	NA	1.85 #	0.634 #	0.689 #	NA	NA	NA	1.66 #	2.40 #	1.44 #	0.511 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	24.0	NA	NA	NA	3.33 #	3.76	4.20 #	5.39	NA	NA	NA	NA	3.75 #	2.20 #	1.81 #	NA	NA	NA	8.34	3.96 #	0.500 #	1.45 #	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	33.7	35.5	30.6	24.3	0.0603 #	0 ##	1.71 #	3.07	3.24 #	3.63 #	4.28	1.56 #	0 ##	0.544 #	0 ##	0 ##	0 ##	1.54 #	0 ##	0 ##	2.54 #	3.61 #	2.69 #	2.34 #	5.47
Radiological	Uranium-233/234			pCi/L	0 ##	NA	0.230 #	NA	0.115 #	0.0563 #	0.111 #	0 ##	NA	NA	0.0379 #	NA	0 ##	0 ##	0 ##	NA	0.143 #	NA	0.245 #	0 ##	0.195 #	0.0618 #	NA	0.125 #	NA
Radiological	Uranium-235/236			pCi/L	0.0473 #	NA	0.228 #	NA	0.151 #	0.148 #	0.0696 #	0.0129 #	NA	NA	0.127 #	NA	0.136 #	0 ##	0.161 #	NA	0.218 #	NA	0.237 #	0 ##	0.103 #	0 #	NA	0 ##	NA
Radiological	Uranium-238			pCi/L	0.0597 #	NA	0.0369 #	NA	0.237 #	0.109 #	0.0806 #	0 ##	NA	NA	0.153 #	NA	0.122 #	0.0794 #	0.107 #	NA	0.209 #	NA	0.215 #	0 ##	0.122 #	0.0958 #	NA	0.0938	NA
Radiological	Percent Uranium-235			%	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.0808 J	0.0894 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.181 J	< 0.200	< 0.200	< 0.200	0.0809 J	< 0.200	0.172 J	0.102 J	< 0.200	0.103 J	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.0808 J	0.0894 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.181 J	< 0.200	< 0.200	< 0.200	0.0809 J	< 0.200	0.172 J	0.102 J	< 0.200	0.103 J	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	0.051 J	0.049 J	0.064 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.445	0.376	0.51	0.32	0.32	0.46	0.148	0.178	0.154	0.22	0.13	0.14	0.17
Chemical	Nitrate as N	10		mg/L	11	9.5	8.4	7.5	4	4.2	6.4	7.9	7.3	5.2	4.7	5.4	0.078	0.089	0.11	0.068	0.059	0.027	0.083	0.079	0.084	0.071	0.10	0.17	< 0.020
Chemical	Ammonia as N			mg/L	NA	NA	NA	NA	0.644	0.608	1.45	NA	NA	NA	NA	NA	1.01	0.721	NA	NA	NA	NA	1.26	0.853	1.58	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-103	W-103	W-103	W-103	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-105	W-105	W-105	W-105	W-105	W-105	W-106	W-106	W-106	W-106	W-106	W-106
				Date	4/14/2022	10/17/2022	4/10/2023	10/23/2023	2/16/2021	2/16/2021	10/25/2021	4/21/2022	10/20/2022	10/20/2022	4/20/2023	10/24/2023	2/16/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	2/19/2021	4/15/2021	10/18/2021	4/14/2022	10/14/2022	4/13/2023	10/19/2023
				Type	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																								
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.94	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 25.0	< 25.0	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 2.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 2.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.020	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 1.0	< 2.0	NA	< 2	< 2	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	0.79 J	0.79 J	0.76 J	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 10.0	< 10.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	< 5.0	NA	< 5	< 5	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	NA	< 5	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 5.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	24	24.9	27	25	2.5	2.6	3.1	3.1	2.6	2.5	2.7	3.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	5.4	4.3	5.4	5.0	1.9	1.9	1.9	1.4	2.2	2.1	1.4	1.8	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-103	W-103	W-103	W-103	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-104	W-105	W-105	W-105	W-105	W-105	W-105	W-106	W-106	W-106	W-106	W-106	W-106	W-106
				Date	4/14/2022	10/17/2022	4/10/2023	10/23/2023	2/16/2021	2/16/2021	10/25/2021	4/21/2022	10/20/2022	10/20/2022	4/20/2023	10/24/2023	2/16/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	2/19/2021	4/15/2021	10/18/2021	4/14/2022	10/14/2022	4/13/2023	10/19/2023
				Type	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	NA	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-107	W-107	W-107	W-107	W-107	W-107	W-107	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-109	W-109	W-109	W-109	W-109	W-109	W-110	W-110	W-110	W-110
				Date	2/16/2021	10/26/2021	4/20/2022	10/21/2022	10/21/2022	4/24/2023	10/25/2023	2/16/2021	10/25/2021	10/25/2021	4/25/2022	10/21/2022	4/21/2023	10/24/2023	10/24/2023	2/16/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	2/17/2021	10/26/2021	4/20/2022	10/21/2022
				Type	N	N	N	N	FD	N	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	0.818 #	1.64 #	1.02	NA	NA	NA	NA	1.14 #	1.96 #	0 ##	1.21 #	NA	NA	NA	NA	0 ##	1.47 #	0.234 #	NA	NA	NA	3.38	2.35	1.55	NA
Radiological	Beta particles	50	*	pCi/L	3.19 #	3.52 #	4.85	NA	NA	NA	NA	1.81 #	2.55 #	1.92 #	1.55 #	NA	NA	NA	NA	2.18 #	0 ##	0.802 #	NA	NA	NA	1.51 #	0.581 #	0 ##	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0.467 #	0 ##	0.740 #	0 ##	0 ##	0 ##	0 ##	0 ##	1.00 #	0 ##	1.75 #	1.82 #	1.70 #	0 ##	0 ##	0 ##	0.825 #	0 ##	1.56 #	0 ##	0 ##	0.305 #	0 ##
Radiological	Uranium-233/234			pCi/L	0.308	0 ##	0.266 #	NA	NA	0 ##	NA	0.0227 #	0.00115 #	0.142 #	0.0897 #	NA	0.0550 #	NA	NA	0.143 #	0.125 #	0.0622 #	NA	0.0246 #	NA	0.200 #	0.185 #	0.0564 #	NA
Radiological	Uranium-235/236			pCi/L	0.0356 #	0.125 #	0.112 #	NA	NA	0 ##	NA	0.0920 #	0 #	0.0368 #	0.0137 #	NA	0.0202 #	NA	NA	0.0295 #	0.0839 #	0.0109 #	NA	0.0360 #	NA	0.210 #	0 ##	0.0102 #	NA
Radiological	Uranium-238			pCi/L	0.0773 #	0.0573 #	0.0731 #	NA	NA	0 ##	NA	0.00149 #	0 ##	0 ##	0.0111 #	NA	0 ##	NA	NA	0.140 #	0.0414 #	0.0253 #	NA	0.0107 #	NA	0.127 #	0.170 #	0.0390 #	NA
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	NA	NA	0 #	NA	0 #	0 #	0 #	0 #	NA	0 #	NA	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.291	< 0.200	0.0931 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.119 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.169 J	0.0693 J	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.291	< 0.200	0.0931 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.119 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.169 J	0.0693 J	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.13	0.082 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.149	0.098 J	0.087 J	0.11	< 0.10	< 0.10	< 0.10	< 0.10	0.131	0.051 J	< 0.10	< 0.10	< 0.10	< 0.10	0.138	0.032 J	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	< 0.02	0.089	0.052	0.052	0.098	< 0.020	0.038	0.086	< 0.020	< 0.020	0.039	0.32	< 0.020	0.032	0.033	< 0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.02	< 0.020	< 0.020	< 0.020
Chemical	Ammonia as N			mg/L	0.486	0.334	NA	NA	NA	NA	NA	0.333	0.158	0.148	NA	NA	NA	NA	NA	0.105	0.0756 J	NA	NA	NA	NA	0.0797 J	0.032 J	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-107	W-107	W-107	W-107	W-107	W-107	W-107	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-109	W-109	W-109	W-109	W-109	W-109	W-110	W-110	W-110	W-110
				Date	2/16/2021	10/26/2021	4/20/2022	10/21/2022	10/21/2022	4/24/2023	10/25/2023	2/16/2021	10/25/2021	10/25/2021	4/25/2022	10/21/2022	4/21/2023	10/24/2023	10/24/2023	2/16/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	2/17/2021	10/26/2021	4/20/2022	10/21/2022
				Type	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 25.0	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 25.0	< 20	NA	NA	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 25.0
VOCs	Benzene	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0
VOCs	Carbon disulfide			ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0
VOCs	Chloroform			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1	< 1.0	< 1.0	< 2.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 2.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1	< 1.0	< 1.0	0.46 J	0.43 J	< 1.0	< 1.0	1.8	1.5	1.6	1.4	1.3	1.1	1.1	1.3	1.8	1.5	1.8	2.5	2.4	2.8	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 5.0	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0
VOCs	Methylcyclohexane			ug/L	< 5	< 5.0	< 5.0	NA	NA	< 5.0	NA	< 5	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	NA	< 5	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5	< 5.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	< 1	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 5.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1	< 1.0	< 1.0	NA	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-107	W-107	W-107	W-107	W-107	W-107	W-107	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-108	W-109	W-109	W-109	W-109	W-109	W-109	W-110	W-110	W-110	W-110
				Date	2/16/2021	10/26/2021	4/20/2022	10/21/2022	10/21/2022	4/24/2023	10/25/2023	2/16/2021	10/25/2021	10/25/2021	4/25/2022	10/21/2022	4/21/2023	10/24/2023	10/24/2023	2/16/2021	10/26/2021	4/25/2022	10/20/2022	4/21/2023	10/24/2023	2/17/2021	10/26/2021	4/20/2022	10/21/2022
				Type	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	3.6	3.7	3.6	3.2	3	3.4	3.9	< 1	< 1.0	1.0	1.0	0.8 J	1.2	0.95 J	1.1	< 1	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 1	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-110	W-110	W-111	W-111	W-111	W-111	W-111	W-111	W-111	W-112	W-112	W-112	W-112	W-112	W-113	W-113	W-113	W-113	W-113	W-113	W-114	W-114	W-114	W-114	W-114
				Date	4/21/2023	10/24/2023	2/16/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	2/16/2021	10/26/2021	4/20/2022	10/21/2022	4/21/2023	10/25/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	2.02 #	0.989 #	1.71	NA	NA	NA	1.73 #	0 ##	0	NA	NA	NA	5.40	0.642 #	0 ##	NA	NA	NA	1.53 #	0.602 #	0 ##	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	NA	5.11	1.15 #	2.37 #	NA	NA	NA	2.23 #	0 ##	1.75 #	NA	NA	NA	1.34 #	1.04 #	0.667 #	NA	NA	NA	1.71 #	2.37 #	4.71 #	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0.468 #	0.183 #	0 ##	0 ##	0 ##	1.02 #	1.16 #	0 ##	0 ##	0 ##	0 ##	0.607 #	0.667 #	0.794 #	1.89 #	1.01 #	0.178 #	0 ##	0 ##	0.377 #	1.97 #	0.900 #	0 ##	0 ##	0.463 #
Radiological	Uranium-233/234			pCi/L	0.0683 #	NA	0.122 #	0.0169 #	0.151 #	NA	0.0148 #	NA	0.263 #	0 ##	0 ##	NA	0 ##	NA	0.0602 #	0 ##	0.132 #	NA	0.139 #	0.213 #	0 ##	0.0697 #	0.146 #	NA	0.0501 #
Radiological	Uranium-235/236			pCi/L	0.0292 #	NA	0.0262 #	0.0932 #	0 ##	NA	0 ##	NA	0.144 #	0.0195 #	0.0827 #	NA	0.0330 #	NA	0.0683 #	0 ##	0.0193 #	NA	0.102 #	0.0989 #	0 ##	0.0380 #	0.0364 #	NA	0.0620 #
Radiological	Uranium-238			pCi/L	0.0473 #	NA	0.236 #	0.0769 #	0.245 #	NA	0.0864 #	NA	0.106 #	0.00122 #	0.0751 #	NA	0.0885 #	NA	0.110 #	0.118 #	0.0601 #	NA	0.0413 #	0.120 #	0.0342 #	0 ##	0.0124 #	NA	0.0167 #
Radiological	Percent Uranium-235			%	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	0.179 J	0.136 J	0.145 J	0.0979 J	0.179 J	0.174 J	0.181 J	0.137 J	0.0673 J	< 0.200	0.231	0.0917 J	0.0997 J	< 0.200	0.192 J	0.142 J	< 0.200	0.0942 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	0.179 J	0.136 J	0.145 J	0.0979 J	0.179 J	0.174 J	0.181 J	0.137 J	0.0673 J	< 0.200	0.231	0.0917 J	0.0997 J	< 0.200	0.192 J	0.142 J	< 0.200	0.0942 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	0.061 J	0.012 J	< 0.10	< 0.10	< 0.10	< 0.10	0.107	0.076 J	< 0.10	< 0.10	< 0.10	< 0.10	0.0680 J	0.181	< 0.10	< 0.10	< 0.10	< 0.10	0.0340 J	0.247	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	< 0.020	< 0.020	0.03	< 0.020	< 0.020	< 0.020	< 0.020	0.075	0.074	0.077	0.050	0.084	< 0.020	0.041	2.1	2.2	2.9	3.1	2.5	2.6	1.1	1.1	1.5	1.0	1.3
Chemical	Ammonia as N			mg/L	NA	NA	0.193	0.031 J	NA	NA	NA	NA	0.519	0.809	NA	NA	NA	NA	0.0131 J	0.025 J	NA	NA	NA	NA	0.106	0.0237 J	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-110	W-110	W-111	W-111	W-111	W-111	W-111	W-111	W-112	W-112	W-112	W-112	W-112	W-113	W-113	W-113	W-113	W-113	W-114	W-114	W-114	W-114	W-114
				Date	4/21/2023	10/24/2023	2/16/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	2/16/2021	10/26/2021	4/20/2022	10/21/2022	4/21/2023	10/25/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	NA	< 5	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-110	W-110	W-111	W-111	W-111	W-111	W-111	W-111	W-112	W-112	W-112	W-112	W-112	W-113	W-113	W-113	W-113	W-113	W-113	W-114	W-114	W-114	W-114	W-114
				Date	4/21/2023	10/24/2023	2/16/2021	10/26/2021	4/20/2022	10/20/2022	4/24/2023	10/25/2023	2/16/2021	10/26/2021	4/20/2022	10/21/2022	4/21/2023	10/25/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/5/2021	10/15/2021	4/12/2022	10/13/2022	4/7/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	NA	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-114	W-115	W-115	W-115	W-115	W-115	W-115	W-116	W-116	W-116	W-116	W-116	W-116	W-117	W-117	W-117	W-117	W-117	W-118	W-118	W-118	W-118	W-118	W-118
				Date	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	1.67 #	0 ##	0.272 #	NA	NA	NA	1.82 #	1.24 #	0 ##	NA	NA	NA	1.53 #	0.596 #	0.283 #	NA	NA	NA	1.70 #	1.08 #	0.171 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	NA	12.1	0.991 #	3.74 #	NA	NA	NA	3.06 #	0 ##	1.60 #	NA	NA	NA	4.76	0.859 #	1.88 #	NA	NA	NA	2.01 #	0 ##	6.43	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	2.82 #	0 ##	0.0562 #	0 ##	1.26 #	0.252 #	0 ##	1.37 #	0.927 #	0 ##	2.78 #	0.155 #	0.544 #	0.584 #	0 ##	0 ##	1.87 #	0.211 #	0 ##	0.879 #	1.61 #	0 ##	2.71 #	0.669 #	0 ##
Radiological	Uranium-233/234			pCi/L	0 ##	0.266 #	0.0547 #	0.00434 #	NA	0 ##	0.122 #	0.119 #	0 ##	0 ##	NA	0.205 #	0 ##	0 ##	0 ##	0 ##	NA	0.0122 #	0.118 #	0.0870 #	0.0332 #	0 ##	NA	0.216 #	NA
Radiological	Uranium-235/236			pCi/L	0.0920 #	0.155 #	0.0935 #	0.0976 #	NA	0.112 #	0.0844	0 ##	0.108 #	0.0706 #	NA	0.168 #	0 ##	0 ##	0 ##	0.0445 #	NA	0.0656 #	0.0456 #	0 #	0.0386 #	0.0382 #	NA	0.0777 #	NA
Radiological	Uranium-238			pCi/L	0.0931 #	0.0838 #	0.0575 #	0 ##	NA	0.0607 #	0.171	0 ##	0 ##	0.0217 #	NA	0.214 #	0.0718 #	0.0534 #	0 ##	0.132 #	NA	0.146 #	0.184	0.0223 #	0.0325 #	0.0114 #	NA	0.0152 #	NA
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	0 #	NA	0 #	7.13	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #	0 #	0 #	0 #	0 #	NA	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	0.0699 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0905 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.125 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	0.0699 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0905 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.125 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	0.0680 J	0.026 J	< 0.10	< 0.10	< 0.10	< 0.10	0.0410 J	0.025 J	< 0.10	< 0.10	< 0.10	< 0.10	0.0770 J	0.029 J	< 0.10	< 0.10	< 0.10	< 0.10	0.0630 J	0.047 J	< 0.10	< 0.10	< 0.10	< 0.10
Chemical	Nitrate as N	10		mg/L	0.94	1.3	3.4	3.6	14	3.2	2.5	4.0	5.9	6.5	5.9	4.4	5.5	1.3	2.4	2.8	2.7	2.2	2.2	2.5	3.9	4.0	3.4	2.9	2.3
Chemical	Ammonia as N			mg/L	NA	0.0357 J	0.0148 J	NA	NA	NA	NA	0.0987 J	0.0159 J	NA	NA	NA	NA	0.0570 J	0.0207 J	NA	NA	NA	NA	0.0821 J	0.0138 J	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-114	W-115	W-115	W-115	W-115	W-115	W-115	W-116	W-116	W-116	W-116	W-116	W-116	W-117	W-117	W-117	W-117	W-117	W-118	W-118	W-118	W-118	W-118	W-118
				Date	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																										
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA	< 20	< 20	< 20	< 20	< 20	NA
VOCs	Benzene	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Carbon disulfide			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	Chloroform			ug/L	NA	6.5	< 1.0	< 1.0	< 1.0	< 1.0	NA	11	< 1.0	< 1.0	< 1.0	< 1.0	NA	4.2	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	NA
VOCs	Methylcyclohexane			ug/L	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	1.9	2.2	10	11	4.9	12	77	85	68	83	52	74
VOCs	Toluene	1000		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	0.63 J	< 1.0	0.97 J	2.2	2.1	2.0	2.4	1.6	2.2

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-114	W-115	W-115	W-115	W-115	W-115	W-115	W-116	W-116	W-116	W-116	W-116	W-116	W-117	W-117	W-117	W-117	W-117	W-118	W-118	W-118	W-118	W-118	W-118
				Date	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/12/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/4/2023	8/3/2021	10/14/2021	4/12/2022	10/13/2022	4/7/2023	10/11/2023
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-119	W-119	W-119	W-119	W-119	W-119	W-119	W-120	W-120	W-120	W-120	W-120	W-120	W-120	W-121	W-121	W-121	W-121	W-121	W-121	W-121	W-122	W-122	W-122
				Date	8/4/2021	8/4/2021	10/18/2021	4/12/2022	10/13/2022	4/14/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	10/13/2022	1/6/2023	4/7/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	4/7/2023	10/11/2023	10/11/2023	8/5/2021	10/13/2021	4/11/2022
				Type	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	1.47 #	0 ##	2.25 #	0 ##	NA	NA	NA	0 ##	1.26 #	1.56 #	NA	NA	NA	NA	NA	0.907 #	0 ##	0.229 #	NA	NA	NA	NA	0 ##	3.49	1.74 #
Radiological	Beta particles	50	*	pCi/L	3.27 #	0.966 #	2.00 #	4.55	NA	NA	NA	1.81 #	3.56 #	2.87 #	NA	NA	NA	NA	NA	0 ##	5.06	3.62 #	NA	NA	NA	NA	2.62 #	1.45 #	1.46 #
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	1.06 #	1.96 #	0 ##	0 ##	0 ##	1.09 #	0 ##	1.13 #	1.01 #	1.50 #	0.844 #	0.706 #	NA	2.06 #	0 ##	2.41 #	1.62 #	0.699 #	2.01 #	3.18 #	0 ##	0 ##	0 ##	0.494 #	0.134 #
Radiological	Uranium-233/234			pCi/L	0 ##	0.0709 #	0 ##	0 ##	NA	2.32	NA	0 ##	0.393	0.277	NA	NA	NA	0.345 #	NA	0 ##	0.0102 #	0.0156 #	NA	0.108 #	NA	NA	0 ##	0 ##	0.0290 #
Radiological	Uranium-235/236			pCi/L	0 #	0 ##	0.0153 #	0.0486 #	NA	0.206 #	NA	0 ##	0 ##	0.0610 #	NA	NA	NA	0.284 #	NA	0.0734 #	0.0118 #	0.0259 #	NA	0 ##	NA	NA	0.0308 #	0 ##	0 #
Radiological	Uranium-238			pCi/L	0 ##	0 ##	0 ##	0.0394 #	NA	0.666 #	NA	0 ##	0.278 #	0.112 #	NA	NA	NA	0.358 #	NA	0 ##	0 ##	0.0353 #	NA	0.0997 #	NA	NA	0 ##	0 ##	0.0729 #
Radiological	Percent Uranium-235			%	0 #	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	NA	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	0 #	0 #	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	NA	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.580	0.623	0.817	0.495	0.502	NA	0.554	0.169 J	0.0808 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.580	0.623	0	0.495	0.502	NA	0.554	0.169 J	0.0808 J	< 0.200	0	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.0230 J	0.0250 J	0.016 J	< 0.10	< 0.10	< 0.10	< 0.10	0.132	0.083 J	< 0.10	< 0.10	< 0.10	NA	< 0.10	< 0.10	0.171	0.057 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.0860 J	0.056 J	< 0.10
Chemical	Nitrate as N	10		mg/L	0.86	0.89	1.5	1.7	1.7	1.5	1.4	2.8	4.5	2.7	3.3	3.3	NA	3.0	3.9	2.5	2.5	1.4	2.0	1.8	2.5	2.6	< 0.020	< 0.020	< 0.020
Chemical	Ammonia as N			mg/L	0.0129 J	0.0341 J	0.0635 J	NA	NA	NA	NA	0.0265 J	0.0228 J	NA	NA	NA	NA	NA	NA	0.0932 J	0.0484 J	NA	NA	NA	NA	NA	0.00750 J	0.0248 J	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-119	W-119	W-119	W-119	W-119	W-119	W-119	W-120	W-120	W-120	W-120	W-120	W-120	W-120	W-120	W-121	W-121	W-121	W-121	W-121	W-121	W-121	W-122	W-122	W-122
				Date	8/4/2021	8/4/2021	10/18/2021	4/12/2022	10/13/2022	4/14/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	10/13/2022	1/6/2023	4/7/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	4/7/2023	10/11/2023	10/11/2023	8/5/2021	10/13/2021	4/11/2022
				Type	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																										
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 20	< 20	< 20	< 20	NA	< 100	< 20	< 100	NA	NA	< 20	< 100	NA	< 20	< 20	< 20	< 20	< 20	NA	NA	< 20	< 20	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 10	< 2.0	< 10	NA	NA	< 2.0	< 10	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50	< 10	< 50	NA	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 10	< 2.0	< 10	NA	NA	< 2.0	< 10	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 10	< 2.0	< 10	NA	NA	< 2.0	< 10	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.3	< 5.0	NA	NA	0.74 J	< 5.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50	< 10	< 50	NA	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 50	< 10	< 50	NA	NA	< 10	< 50	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 25	< 5.0	< 25	NA	NA	< 5.0	< 25	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Tetrachloroethene	5		ug/L	79	80	74	81	71	53	68	320	340	300	NA	NA	200	260	330	39	82	25	25	5.0	28	28	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Trichloroethene	5		ug/L	2.6	2.6	2.3	2.9	2.5	2.6	2.7	15	17	13	NA	NA	9.3	11	15	1.2	2.4	< 1.0	0.44 J	< 1.0	1.3	1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-119	W-119	W-119	W-119	W-119	W-119	W-119	W-120	W-120	W-120	W-120	W-120	W-120	W-120	W-120	W-121	W-121	W-121	W-121	W-121	W-121	W-121	W-122	W-122	W-122
				Date	8/4/2021	8/4/2021	10/18/2021	4/12/2022	10/13/2022	4/14/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	10/13/2022	1/6/2023	4/7/2023	10/11/2023	8/4/2021	10/15/2021	4/13/2022	10/13/2022	4/7/2023	10/11/2023	10/11/2023	8/5/2021	10/13/2021	4/11/2022
				Type	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Group	Analyte	MCL	note	Units																									
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-122	W-122	W-122	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-124	W-124	W-124	W-124	W-124	W-124	W-125	W-125	W-125	W-125	W-125	W-125	W-125	W-126
				Date	10/11/2022	4/13/2023	10/26/2023	7/26/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	4/6/2023	10/5/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/21/2023	10/24/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	10/20/2023	8/3/2021
				Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
Radiological	Alpha particles	15	*	pCi/L	NA	NA	NA	11.6	5.31	10.0	NA	NA	NA	NA	NA	2.76 #	0 ##	1.82 #	NA	NA	NA	2.47 #	2.74 #	4.08	NA	NA	NA	NA	0 ##
Radiological	Beta particles	50	*	pCi/L	NA	NA	NA	158	239	291	NA	NA	NA	NA	NA	1.00 #	1.59 #	2.36 #	NA	NA	NA	2.34 #	6.77	7.71	NA	NA	NA	NA	5.56
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0.976 #	1.15 #	220	424	442	498	NA	260	490	534	0.912 #	0 ##	0 ##	0.705 #	5.67	0 ##	0.963 #	1.15 #	1.77 #	1.20 #	2.17 #	0.965 #	0.631 #	2.53 #
Radiological	Uranium-233/234			pCi/L	NA	0.0275 #	NA	0.465	0.333	0.437	NA	NA	0.459	0.617	NA	0 ##	0 ##	0 ##	NA	0 ##	NA	0 ##	0.0880 #	0.00912 #	NA	0.205 #	NA	NA	0 ##
Radiological	Uranium-235/236			pCi/L	NA	0.113	NA	0.136 #	0.0432 #	0.0321 #	NA	NA	0.124 #	0.0774 #	NA	0.122 #	0.0128 #	0 #	NA	0.0303 #	NA	0 ##	0.0279 #	0 ##	NA	0.156 #	NA	NA	0 ##
Radiological	Uranium-238			pCi/L	NA	0.00122 #	NA	0.400	0.421	0.481	NA	NA	0.674	0.467	NA	0 ##	0.0297 #	0.127 #	NA	0.0245 #	NA	0 ##	0.0250 #	0.101 #	NA	0.0947 #	NA	NA	0 ##
Radiological	Percent Uranium-235			%	NA	93.5	NA	0 #	0 #	0 #	NA	NA	0 #	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	0 #	0 #	0 #	NA	0 #	NA	NA	0 #
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	NA	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0118 J	< 0.0700	0.0118 J	NA	0.0133 J	0.0117 J	0.0137 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	0.418	1.60	1.37	1.76	NA	1.73	1.65	1.78	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.128 J	< 0.200	0.0709 J	< 0.200	< 0.200	< 0.200	< 0.200	0.222
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	0.418	1.61	1.37	1.77	NA	1.74	NA	1.79	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.128 J	< 0.200	0.0709 J	< 0.200	< 0.200	< 0.200	< 0.200	0.222
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	3.24	8.13	7.4	NA	9.2	8.3	8.3	9.8	0.0950 J	0.056 J	< 0.10	< 0.10	< 0.10	< 0.10	0.150	0.257	0.13	0.10	0.18	0.14	0.13	0.173
Chemical	Nitrate as N	10		mg/L	< 0.020	0.030	< 0.020	85	120	83	120	NA	130	120	110	0.088	< 0.020	0.075	< 0.020	< 0.020	< 0.020	0.19	0.073	0.077	0.10	0.10	0.028	0.028	0.074
Chemical	Ammonia as N			mg/L	NA	NA	NA	14.9	95	NA	NA	NA	NA	NA	NA	0.0792 J	0.173	NA	NA	NA	NA	3.44	5.42	NA	NA	NA	NA	NA	2.87
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-122	W-122	W-122	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-124	W-124	W-124	W-124	W-124	W-124	W-125	W-125	W-125	W-125	W-125	W-125	W-125	W-126
				Date	10/11/2022	4/13/2023	10/26/2023	7/26/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	4/6/2023	10/5/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/21/2023	10/24/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	10/20/2023	8/3/2021
				Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																									
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	NA	< 20	< 20	< 20	< 20	NA	< 20	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA	< 20	< 20	< 20	< 25.0	< 20	NA	NA	< 20
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Bromoform			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0
VOCs	2-Butanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	2.5
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2.0
VOCs	Chloroform			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	NA	8.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 1.0
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	NA	NA	< 2.0
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	< 1.0	1.6	1.9	1.9	2.0	NA	1.8	1.7	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	< 1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	2-Hexanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	NA	NA	< 1.0
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	NA	< 10	< 10	< 10	< 10	NA	< 10	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	< 10	< 10	< 10	< 5.0	< 10	NA	NA	< 10
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	NA	NA	< 5.0
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	NA	NA	< 1.0
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	11	23	20	27	NA	29	28	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	6.3	7.7	9.6	8.8	NA	9.7	9.5	8.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-122	W-122	W-122	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-123	W-124	W-124	W-124	W-124	W-124	W-125	W-125	W-125	W-125	W-125	W-125	W-125	W-126
				Date	10/11/2022	4/13/2023	10/26/2023	7/26/2021	10/5/2021	4/4/2022	10/4/2022	1/3/2023	4/6/2023	4/6/2023	10/5/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/21/2023	10/24/2023	8/3/2021	10/25/2021	4/21/2022	10/20/2022	4/19/2023	10/20/2023	10/20/2023	8/3/2021
				Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Group	Analyte	MCL	note	Units																								
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 1.0
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-126	W-126	W-126	W-126	W-126
				Date	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023
				Type	N	N	N	N	N
Group	Analyte	MCL	note	Units					
Radiological	Alpha particles	15	*	pCi/L	4.23	2.14 #	NA	NA	NA
Radiological	Beta particles	50	*	pCi/L	4.02	6.34	NA	NA	NA
Radiological	Tritium			pCi/L	NA	NA	NA	NA	NA
Radiological	Technetium-99	900		pCi/L	0 ##	0.912 #	0.983 #	0.558 #	1.96 #
Radiological	Uranium-233/234			pCi/L	0 ##	0.0205 #	NA	0.0940 #	NA
Radiological	Uranium-235/236			pCi/L	0 ##	0.0766 #	NA	0 #	NA
Radiological	Uranium-238			pCi/L	0 ##	0.103 #	NA	0.167 #	NA
Radiological	Percent Uranium-235			%	0 #	0 #	NA	0 #	NA
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200
Chemical	Fluoride	4		mg/L	0.251	0.15	< 0.10	< 0.10	0.17
Chemical	Nitrate as N	10		mg/L	0.060	0.096	< 0.020	< 0.020	< 0.020
Chemical	Ammonia as N			mg/L	2.9	NA	NA	NA	NA
Metals	Aluminum			ug/L	NA	NA	NA	NA	NA
Metals	Antimony	6		ug/L	NA	NA	NA	NA	NA
Metals	Arsenic	10		ug/L	NA	NA	NA	NA	NA
Metals	Barium	2000		ug/L	NA	NA	NA	NA	NA
Metals	Beryllium	4		ug/L	NA	NA	NA	NA	NA
Metals	Cadmium	5		ug/L	NA	NA	NA	NA	NA
Metals	Calcium			ug/L	NA	NA	NA	NA	NA
Metals	Chromium	100		ug/L	NA	NA	NA	NA	NA
Metals	Cobalt			ug/L	NA	NA	NA	NA	NA
Metals	Copper	1300		ug/L	NA	NA	NA	NA	NA
Metals	Iron			ug/L	NA	NA	NA	NA	NA
Metals	Lead	15		ug/L	NA	NA	NA	NA	NA
Metals	Magnesium			ug/L	NA	NA	NA	NA	NA
Metals	Manganese			ug/L	NA	NA	NA	NA	NA
Metals	Mercury	2		ug/L	NA	NA	NA	NA	NA
Metals	Nickel			ug/L	NA	NA	NA	NA	NA
Metals	Potassium			ug/L	NA	NA	NA	NA	NA
Metals	Selenium	50		ug/L	NA	NA	NA	NA	NA
Metals	Silver			ug/L	NA	NA	NA	NA	NA
Metals	Sodium			ug/L	NA	NA	NA	NA	NA
Metals	Thallium	2		ug/L	NA	NA	NA	NA	NA
Metals	Vanadium			ug/L	NA	NA	NA	NA	NA
Metals	Zinc			ug/L	NA	NA	NA	NA	NA
SVOCs	1,1'-Biphenyl			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4-Dichlorophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4-Dimethylphenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2,4-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA
SVOCs	2,6-Dinitrotoluene			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Chloronaphthalene			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Chlorophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Methylnaphthalene			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Methylphenol			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Nitroaniline			ug/L	NA	NA	NA	NA	NA
SVOCs	2-Nitrophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	NA	NA
SVOCs	3-Nitroaniline			ug/L	NA	NA	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Chloroaniline			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Methylphenol			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Nitroaniline			ug/L	NA	NA	NA	NA	NA
SVOCs	4-Nitrophenol			ug/L	NA	NA	NA	NA	NA
SVOCs	Acenaphthene			ug/L	NA	NA	NA	NA	NA
SVOCs	Acenaphthylene			ug/L	NA	NA	NA	NA	NA
SVOCs	Acetophenone			ug/L	NA	NA	NA	NA	NA
SVOCs	Anthracene			ug/L	NA	NA	NA	NA	NA
SVOCs	Atrazine	3		ug/L	NA	NA	NA	NA	NA
SVOCs	Benz(a)anthracene			ug/L	NA	NA	NA	NA	NA
SVOCs	Benzaldehyde			ug/L	NA	NA	NA	NA	NA
SVOCs	Benzo(a)pyrene	0.2		ug/L	NA	NA	NA	NA	NA
SVOCs	Benzo(b)fluoranthene			ug/L	NA	NA	NA	NA	NA
SVOCs	Benzo(g,h,i)perylene			ug/L	NA	NA	NA	NA	NA
SVOCs	Benzo(k)fluoranthene			ug/L	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	NA	NA
SVOCs	Bis(2-chloroisopropyl)ether			ug/L	NA	NA	NA	NA	NA
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	NA	NA	NA	NA	NA

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-126	W-126	W-126	W-126	W-126
				Date	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023
				Type	N	N	N	N	N
Group	Analyte	MCL	note	Units					
SVOCs	Butyl benzyl phthalate			ug/L	NA	NA	NA	NA	NA
SVOCs	Caprolactam			ug/L	NA	NA	NA	NA	NA
SVOCs	Carbazole			ug/L	NA	NA	NA	NA	NA
SVOCs	Chrysene			ug/L	NA	NA	NA	NA	NA
SVOCs	Di-n-butyl phthalate			ug/L	NA	NA	NA	NA	NA
SVOCs	Di-n-octyl phthalate			ug/L	NA	NA	NA	NA	NA
SVOCs	Dibenz(a,h)anthracene			ug/L	NA	NA	NA	NA	NA
SVOCs	Dibenzofuran			ug/L	NA	NA	NA	NA	NA
SVOCs	Diethyl phthalate			ug/L	NA	NA	NA	NA	NA
SVOCs	Dimethyl phthalate			ug/L	NA	NA	NA	NA	NA
SVOCs	Fluoranthene			ug/L	NA	NA	NA	NA	NA
SVOCs	Fluorene			ug/L	NA	NA	NA	NA	NA
SVOCs	Hexachlorobenzene	1		ug/L	NA	NA	NA	NA	NA
SVOCs	Hexachlorobutadiene			ug/L	NA	NA	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	50		ug/L	NA	NA	NA	NA	NA
SVOCs	Hexachloroethane			ug/L	NA	NA	NA	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene			ug/L	NA	NA	NA	NA	NA
SVOCs	Isophorone			ug/L	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine			ug/L	NA	NA	NA	NA	NA
SVOCs	Naphthalene			ug/L	NA	NA	NA	NA	NA
SVOCs	Nitrobenzene			ug/L	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol	1		ug/L	NA	NA	NA	NA	NA
SVOCs	Pentachlorophenol (SIM)	1		ug/L	NA	NA	NA	NA	NA
SVOCs	Phenanthrene			ug/L	NA	NA	NA	NA	NA
SVOCs	Phenol			ug/L	NA	NA	NA	NA	NA
SVOCs	Pyrene			ug/L	NA	NA	NA	NA	NA
SVOCs	Tributylphosphate			ug/L	NA	NA	NA	NA	NA
VOCs	Acetone			ug/L	< 20	< 20	< 25.0	< 20	NA
VOCs	Benzene	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromodichloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromoform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Bromomethane			ug/L	< 2.0	< 2.0	< 2.0	< 2.0	NA
VOCs	2-Butanone			ug/L	< 10	< 10	< 5.0	< 10	NA
VOCs	Carbon disulfide			ug/L	< 1.0	< 1.0	< 2.0	< 1.0	NA
VOCs	Carbon tetrachloride	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chlorobenzene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloroethane			ug/L	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	Chloroform			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Chloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Cyclohexane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane	0.2		ug/L	< 1.0	< 1.0	< 2.0	< 1.0	NA
VOCs	1,2-Dibromo-3-chloropropane (8011)	0.2		ug/L	NA	NA	NA	NA	NA
VOCs	Dibromochloromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane	0.05		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dibromoethane (8011)	0.05		ug/L	NA	NA	NA	NA	NA
VOCs	1,2-Dichlorobenzene	600		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,3-Dichlorobenzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,4-Dichlorobenzene	75		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Dichlorodifluoromethane			ug/L	< 2.0	< 2.0	< 1.0	< 2.0	NA
VOCs	1,2-Dichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1-Dichloroethene	7		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 1.0	< 1.0	0.68 J	0.56 J	1.0
VOCs	trans-1,2-Dichloroethene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2-Dichloropropane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	cis-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	trans-1,3-Dichloropropene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Ethylbenzene	700		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	2-Hexanone			ug/L	< 10	< 10	< 5.0	< 10	NA
VOCs	(1-Methylethyl)-Benzene			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Methyl acetate			ug/L	< 1.0	< 1.0	< 10.0	< 1.0	NA
VOCs	Methyl tert-butyl ether			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	4-Methyl-2-pentanone			ug/L	< 10	< 10	< 5.0	< 10	NA
VOCs	Methylcyclohexane			ug/L	< 5.0	< 5.0	< 10.0	< 5.0	NA
VOCs	Methylene chloride	5		ug/L	< 1.0	< 1.0	< 5.0	< 1.0	NA
VOCs	Naphthalene (VOC)			ug/L	NA	NA	NA	NA	NA
VOCs	Styrene	100		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2,2-Tetrachloroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Tetrachloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0
VOCs	Toluene	1000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichlor-1,2,2-trifluoroethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,2,4-Trichlorobenzene	70		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,1-Trichloroethane	200		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	1,1,2-Trichloroethane	5		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Trichloroethene	5		ug/L	< 1.0	< 1.0	< 1.0	1.8	2.0

Appendix C - Histroical Groundwater Analytical Results (2015-2023)
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-126	W-126	W-126	W-126	W-126
				Date	10/25/2021	4/21/2022	10/19/2022	4/20/2023	10/23/2023
				Type	N	N	N	N	N
Group	Analyte	MCL	note	Units					
VOCs	Trichlorofluoromethane			ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Vinyl chloride	2		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
VOCs	Xylenes, Total	10000		ug/L	< 1.0	< 1.0	< 1.0	< 1.0	NA
VOCs	Hexachlorobutadiene (VOC)			ug/L	NA	NA	NA	NA	NA

Notes:
SVOCs - semi-volatile organic compounds
VOCs - volatile organic compounds
ug/L - micrograms per liter
mg/L - milligrams per liter
pCi/L - picocuries per liter
MCL - Maximum Contaminant Level
* - site-specific action level (SSAL)
N - Normal sample
FD - Field duplicate sample
Concentrations in orange shaded cells exceed their MCL or SSAL
Bold concentrations indicate detections
J - Result below reporting limit
- value is below minimum detectable concentration
- value shown as zero reported by analytical laboratory as a negative number
NA - not analyzed

Appendix D
Time Series Plots

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of $13.2 billion in fiscal year 2020. See how we are delivering sustainable legacies for generations to come at aecom.com and @AECOM.