SC DEPARTMENT of ENVIRONMENTAL SERVICES

Bureau of Air Quality
Synthetic Minor Construction Permit

Luck Stone Corporation - Luck Edgefield
RD 659D (Temporary Address as no physical address has been designated yet)
Clarks Hill, South Carolina 29821
McCormick County

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the construction of this facility and the equipment specified herein in accordance with the plans, specifications, and other information submitted in the construction permit application received on March 27, 2024, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The construction and subsequent operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number: **CP-50000187 v1.0**
Agency Air Number: **0980-0052**

Issue Date: **DRAFT**

Steve McCaslin, P. E., Director
Air Permitting Division
Bureau of Air Quality

RECORD OF REVISIONS	
Date	**Description of Changes**

A. PROJECT DESCRIPTION, EQUIPMENT, AND CONTROL DEVICE(S)

Permission is hereby granted to install equipment for a new aggregate mine and 500 ton per hour aggregate processing plant. The plant will consist of crushers, screens, conveyors, a wash plant, a bin, and an exempt 550 kW diesel fired generator.

A.1 EQUIPMENT

Equipment ID	Equipment Description	Control Device ID	Emission Point ID
CR1/F1	500 tph Portable C125 Jaw Crusher	WS	V1
F1	500 tph VGF Screen (52" x 20')	WS	V2
C1	500 tph Under Crusher Conveyor (48" x 36')	WS	V3
CR2	500 tph Cone Crusher	WS	V4
S1	500 tph Scalping Screen (6'x16')	WS	V5
C3	500 tph Under Screen Conveyor (60"x20')	WS	V6
C8	500 tph Under Crusher Conveyor (48"x30')	WS	V7
CR3	500 tph Cone Crusher	WS	V8
S2	500 tph Finish Screen (6'x20')	WS	V9
C11	500 tph Screen Feed Conveyor (36"x46')	WS	V10
C12	500 tph Screen Feed Conveyor (36"x16')	WS	V11
C13	500 tph Under Screen Conveyor (60"x20')	WS	V12
C14	500 tph Under Screen Conveyor (36"x34')	WS	V13
C2	500 tph Scalper Feed Conveyor (36"x100')	WS	V14
C4	500 tph GAB Jack Belt Conveyor (30"x40')	WS	V15
C5	500 tph GAB Stacker Conveyor (36"x100')	WS	V16
C7	500 tph 3s Stacker Conveyor (36"x100')	WS	V17
C9	500 tph OTR Bin Feed Conveyor / Surge Bin (36"x100')	WS	V18
C10	500 tph Discharge Belt Conveyor (42"x50')	WS	V19
C15	500 tph Fines Jack Belt Conveyor (30"x40')	WS	V20
C17	500 tph Fines Jack Belt Conveyor (30"x60')	WS	V21
C20	500 tph Wash Screen Feed (36"x80')	WS	V22
C19	500 tph 789s Jack Belt Conveyor (30"x20')	WS	V23
C18	500 tph Fines Jack Belt Conveyor (30"x50')	WS	V24
C21	500 tph C33 Stacker Conveyor (36"x100')	WS	V25
C16	500 tph Dry 10s Stacker Conveyor (36"x100')	WS	V26
C22	500 tph Overs Jack Belt Conveyor (30"x30')	WS	V27
C23	500 tph 789 Stacker Conveyor (36"x100')	WS	V28
C24	500 tph 57s Stacker Conveyor (36"x100')	WS	V29
C26	500 tph 7s Stacker Conveyor (36"x100')	WS	V30
C25	500 tph 7s Jack Belt Conveyor (36"x20')	WS	V31
S3	8'x20' Finish Wash Screen	WP	EWP1
SCRW1	44"x32' Double Wash Screw	WP	EWP2
SCRW2	44"x32' Double Wash Screw	WP	EWP3

A.2 CONTROL DEVICES

Control Device ID	Control Device Description	Pollutant(s) Controlled	Emission Point ID
WS	Wet Suppression	PM, PM_{10}, $PM_{2.5}$	Various
WP	Wet Process	PM, PM_{10}, $PM_{2.5}$	Various

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
B.1	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS All emissions points, duct work and other locations that are required to be tested, shall be designed and constructed in a manner to facilitate testing in accordance with applicable EPA approved source testing methods; including, but not be limited to, methods specifying test port location and sizing criteria. For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests. Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary. When conducting source tests subject to this section, the owner, operator, or representative shall provide the following: • Department access to the facility to observe source tests; • Sampling ports adequate for test methods; • Safe sampling site(s); • Safe access to sampling site(s); • Utilities for sampling and testing equipment; and • Equipment and supplies necessary for safe testing of a source. The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Department.
B.2	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.1, Section II(E)) This facility is a potential major source for PM and PM_{10} emissions. The facility has requested federally enforceable operating limitations to limit its potential to emit to less than 250.0 tons per year for PM emissions to avoid PSD and less than 100.0 tons per year for PM_{10} emissions to avoid Title V.
B.3	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.1, Section II(E)) The owner or operator shall maintain all records necessary to determine facility wide PM emissions. PM emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total PM emissions. Facility-wide emission totals must include emissions from exempt activities. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve month rolling sum shall be less than 250.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted annually. The owner or operator shall also operate its control devices in accordance with the conditions of this permit. The basic algorithm for calculating monthly facility wide PM emissions is as follows: PM = P x EF x CF Where: PM is the PM emissions in tons per month. P is the total actual amount of material processed in tons per month. EF is the PM emission factor in pounds per tons. The emission factors are provided in the table below. CF is the conversion factor of one ton per 2000 pounds.

Source	Emission Factors (lb/ton)
Crushing	1.2 E-03
Screening	2.2 E-03
Conveying	1.4 E-04
Final Product Loading	3.0 E-04
Quarry Drilling	2.4 E-04
Truck Loading at Quarry	4.8 E-05

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
B.4	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.1, Section II(E)) The owner or operator shall maintain all records necessary to determine facility wide PM_{10} emissions. PM_{10} emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total PM_{10} emissions. Facility-wide emission totals must include emissions from exempt activities. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve month rolling sum shall be less than 100.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted annually. The owner or operator shall also operate its control devices in accordance with the conditions of this permit. The basic algorithm for calculating monthly facility wide PM_{10} emissions is as follows: $PM_{10} = P \times EF \times CF$ Where: PM_{10} is the PM_{10} emissions in tons per month. P is the total actual amount of material processed in tons per month. EF is the PM_{10} emission factor in pounds per tons. The emission factors are provided in the table below. CF is the conversion factor of one ton per 2000 pounds. **Source** / **Emission Factors (lb/ton)** Crushing: 5.4 E-04 Screening: 7.4 E-04 Conveying: 4.6 E-05 Final Product Loading: 1.0 E-04 Quarry Drilling: 8.0 E-5 Truck Loading at Quarry: 1.6 E-05
B.5	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour $E = (F)\ 4.10P^{0.67}$ For process weight rates greater than 30 tons per hour $E = (F)\ (55.0P^{0.11} - 40)$ Where E = the allowable emission rate in pounds per hour P = process weight rate in tons per hour

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4 For the purposes of compliance with this condition, the process boundaries are defined as follows: • Aggregate Processing - Max Process Weight Rate 500 ton/hr
B.6	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each.
B.7	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.5, Standard No. 4, Section X) All non-enclosed operations shall be conducted in such a manner that a minimum of particulate matter becomes airborne. In no case shall established ambient air quality standards be exceeded at or beyond the property line. The owner/operator of all such operations shall maintain dust control on the premises and any roadway owned or controlled by the owner/operator by paving or other suitable measures. Oil treatment is prohibited. All crushing, drying, classification, and like operations shall employ a suitable control device acceptable to the Department and shall discharge no more particulate matter than that specified in S.C. Regulation 61-62.5, Standard No. 4, Section VIII.
B.8	**Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.6) Fugitive particulate matter (PM) emissions from material handling, process equipment, control equipment, or storage piles will be minimized to the maximum extent possible. This will include proper maintenance of the control system such as scheduled inspections, replacement of damaged or worn parts, etc. Fugitive emissions from dust buildup will be controlled by proper housekeeping and/or wet suppression. Compliance with non-enclosed operations and fugitive dust requirements shall be demonstrated by developing a facility-wide fugitive dust control plan for controlling fugitive emissions from process operations, truck traffic, storage piles, and any other areas within the permitted facility where fugitive dust emissions can be generated. The plan shall be developed and submitted to the Director of Air Permitting for approval 180 days prior to the start of operation. The owner or operator shall implement the plan within 30 days of approval and create a schedule for its periodic review and update. The plan shall be kept and maintained on-site with a record of revisions. The plan shall address and/or contain at a minimum the following: 1. Water Trucks a. Weekly operation and maintenance checks of water trucks

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	b. Operating scenarios for water truck failures or inadequacies c. Dates the water trucks did not operate and the alternative(s) dust control method used 2. Truck Traffic a. Road speed limits b. Vehicle loading, off-loading, transportation or dumping of material procedures c. Spillage and residual materials clean-up procedures d. Weekly operation and maintenance checks of sprinklers e. Signage with respect to SC Code of Laws Sections 56-5-4100 and 56-5-4110 (which requires haul trucks transporting aggregate from all quarries to prevent the escape of materials loaded onto the vehicles) 3. Storage Piles a. Material stock piling procedures 4. Process Equipment a. Weekly operation and maintenance checks of all plant equipment and enclosures b. Spillage and residual materials clean-up procedures c. Written guidelines on how to handle opacity problems The owner or operator shall develop logs or use other approved methods to comply with the requirements of the plan.
B.9	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS The owner or operator shall operate its wet suppression system except as necessary for elevated material moisture content (i.e. rainfall). In case the wet suppression system is not operating properly, then a portable water spray system is acceptable for use until the permanent water spray system is back in proper operation. If a portable water system is not available, then the process shall be shut down until the permanent water spray system is back in proper operation. The owner or operator shall perform weekly inspections of all wet suppression related equipment including a check that water is flowing to discharge spray nozzles in the wet suppression system. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner/operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken in the logbook. The weekly inspections required in this condition meets the requirements of monthly inspections in 40 CFR 60.674(b).
B.10	**Equipment ID:** All **Control Device ID:** All These sources are subject to New Source Performance Standards (NSPS), 40 CFR 60 and S.C. Regulation

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	61-62.60 Subpart A, General Provisions, and Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, as applicable. These sources shall comply with all applicable requirements of Subparts A and OOO.
B.11	**Equipment ID:** All **Control Device ID:** All 40 CFR 60.670 (a) (1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station.(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations (as defined in 40 CFR 60.671). (b) An affected facility that is subject to the provisions of subparts F or I of this part or that follows in the plant process any facility subject to the provisions of subparts F or I of this part is not subject to the provisions of this subpart. (c) Facilities at the following plants are not subject to the provisions of this subpart: (1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in 40 CFR 60.671, of 23 megagrams per hour (25 tons per hour) or less; (2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in 40 CFR 60.671, of 136 megagrams per hour (150 tons per hour) or less; and 3) Common clay plants and pumice plants with capacities, as defined in 40 CFR 60.671, of 9 megagrams per hour (10 tons per hour) or less. (e) An affected facility under paragraph (a) of this section that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of this part. (f) Table 1 of this subpart specifies the provisions of subpart A of this part 60 that do not apply to owners and operators of affected facilities subject to this subpart or that apply with certain exceptions.
B.12	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS (40 CFR 60.672(b)) Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR 60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	(40 CFR 60.672(d)) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section. The owner or operator must meet the following fugitive emissions limit and must demonstrate compliance with these limits by conducting performance tests as listed below for: Screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility. **Affected facilities that commence construction, modification, or reconstruct on or after April 22, 2008** 7 percent opacity An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675; and Periodic inspections of water sprays according to 40CFR 60.674(b) and 60.676(b); … The owner or operator must meet the following fugitive emissions limit and must demonstrate compliance with these limits by conducting performance tests as listed below for: Crushers at which a capture system is not used. **Affected facilities that commence construction, modification, or reconstruct on or after April 22, 2008** 12 percent opacity An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675; and Periodic inspections of water sprays according to 40CFR 60.674(b) and 60.676(b); …
B.13	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS (40 CFR 60.675(c)(1)) In determining compliance with the particulate matter standards in 40 CFR 60.672(b), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions: (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (*e.g.,* road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed. (iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (40 CFR 60.675(c)(3)) When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b), the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (40 CFR 60.675(g) For performance tests involving only Method 9 (40 CFR part 60 appendix A–4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (40 CFR 60.675(i) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in 40 CFR 60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.
B.14	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS (40 CFR 60.674(b)) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 40 CFR 60.676(b) must specify the control mechanism being used instead of the water

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	sprays. (40 CFR 60.676(b)(1)) Owners or operators of affected facilities for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under 40 CFR 60.674(b), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Department upon request.
B.15	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS (40 CFR 60.670(d)) (1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of 40 CFR 60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section. (2) An owner or operator complying with paragraph (d)(1) of this section shall submit the information required in 40 CFR 60.676(a). (3) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in paragraph (d)(1) of this section and must comply with the provisions of 40 CFR 60.672, 60.674 and 60.675. (40 CFR 60.676(a)) Each owner or operator seeking to comply with 40 CFR 60.670(d) shall submit to the Department the following information about the existing facility being replaced and the replacement piece of equipment. (1) For a crusher, bucket elevator, bagging operation, or enclosed truck or railcar loading station: (i) The rated capacity in megagrams or tons per hour of the existing facility being replaced. (ii) The rated capacity in tons per hour of the replacement equipment. (2) For a screening operation: (i) The total surface area of the top screen of the existing screening operation being replaced (ii) The total surface area of the top screen of the replacement screening operation. (3) For a conveyor belt: (i) The width of the existing belt being replaced (ii) The width of the replacement conveyor belt. (4) For a storage bin: (i) The rated capacity in megagrams or tons of the existing storage bin being replaced and (ii) The rated capacity in megagrams or tons of replacement storage bins.

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
B.16	**Equipment ID:** CR1/F1, CR2, CR3, F1, S1, S2, C1 – C5, C7 – C26 **Control Device ID:** WS (40 CFR 60.676(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672 of this subpart, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with 40 CFR 60.672(b). (40 CFR 60.676(h)) The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart. (40 CFR 60.676(i)) A notification of the actual date of initial startup of each affected facility shall be submitted to the Department (1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Department. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. (2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.
B.17	**Equipment ID:** S3, SCRW1, SCRW2 **Control Device ID:** WP (40 CFR 60.676(g)) The owner/operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11 if it meets the 40 CFR 60 Subpart OOO applicability requirements.

C. NESHAP (40 CFR 61 AND 40 CFR 63) - RESERVED

D. GENERAL FACILITY WIDE

Condition Number	Conditions
D.1	The owner or operator shall comply with S.C. Regulation 61-62.6, Control of Fugitive Particulate Matter, Section III Control of Fugitive Particulate Matter Statewide.
D.2	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.
D.3	In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II(L), the owner or operator may document an emergency situation through properly signed, contemporaneous operating logs, and other relevant evidence that verify: 1. An emergency occurred, and the owner or operator can identify the cause(s) of the emergency; 2. The permitted source was at the time the emergency occurred being properly operated; 3. During the period of the emergency, the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator gave a verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by a written report within thirty (30) days. The written report shall include, at a minimum, the information required by S.C. Regulation 61-62.1, Section II(J)(1)(c)(i) through (J)(1)(c)(viii). The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
D.4	(S.C. Regulation 61-62.1, Section II(O)) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Federal Clean Air Act and/or the S.C. Pollution Control Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
D.5	(S.C. Regulation 61-62.1, Section II(J)(1)(a)) No applicable law, regulation, or standard will be contravened.
D.6	(S.C. Regulation 61-62.1, Section II(J)(1)(e)) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to this regulation or with

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
	the terms of any approval to construct, or who commences construction after the effective date of these regulations without applying for and receiving approval hereunder, shall be subject to enforcement action.

E. EMISSIONS INVENTORY REPORTS - RESERVED

F. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
F.1	(S.C. Regulation 61-62.1, Section II(J)(1)(g)) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date the record was generated and shall be made available to a Department representative upon request.
F.2	The owner or operator shall submit reports required in this permit in a timely manner and according to the reporting schedule established through the Department's approved electronic permitting system.
F.3	All reports and notifications required under this permit shall be submitted to the Department.
F.4	(S.C. Regulation 61-62.1, Section II(A)(3)) The owner or operator shall submit written notification to the Department of the date construction is commenced, postmarked within thirty (30) days after such date.
F.5	(S.C. Regulation 61-62.1, Section II(J)(1)(c)) For sources not required to have continuous emission monitors, any malfunction of air pollution control equipment or system, process upset, or other equipment failure which results in discharges of air contaminants lasting for one (1) hour or more and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions;

F. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
	3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. The initial twenty-four (24) hour notification should be made to the Department's local Environmental Affairs Regional Office. The written report should be sent to the Department.

G. PERMIT EXPIRATION AND EXTENSION	
Condition Number	**Conditions**
G.1	(S.C. Regulation 61-62.1, Section II(A)(4) and (5) and S.C. Regulation 61-62.1, Section II(J)(1)(f)) Approval to construct shall become invalid if construction: a. Is not commenced within eighteen (18) months after receipt of such approval; b. Is discontinued for a period of eighteen (18) months or more; or c. Is not completed within a reasonable time as deemed by the Department. The Department may extend the construction permit for an additional eighteen (18) month period upon a satisfactory showing that an extension is justified. This request must be made prior to the permit expiration. This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen (18) months of the projected and approved commencement date.

H. PERMIT TO OPERATE

Condition Number	Conditions
H.1	(S.C. Regulation 61-62.1, Section II(F)(3)) When a Department issued construction permit includes engineering and/or construction specifications, the owner or operator or professional engineer in charge of the project shall certify that, to the best of his/her knowledge and belief and as a result of periodic observation during construction, the construction under application has been completed in accordance with the specifications agreed upon in the construction permit issued by the Department. If construction is certified as provided above, the owner or operator may operate the source in compliance with the terms and conditions of the construction permit until the operating permit is issued by the Department. If construction is not built as specified in the permit application and associated construction permit(s), the owner or operator must submit to the Department a complete description of modifications that are at variance with the documentation of the construction permitting determination prior to commencing operation. Construction variances that would trigger additional requirements that have not been addressed prior to start of operation shall be considered construction without a permit.
H.2	(S.C. Regulation 61-62.1, Section II(F)(1)) The owner or operator shall submit written notification to the Department of the actual date of initial startup of each new or altered source, postmarked within fifteen (15) days after such date. Any source that is required to obtain an air quality construction permit issued by the Department must obtain an operating permit when the new or altered source is placed into operation and shall comply with the requirements of this section.
H.3	(S.C. Regulation 61-62.1, Section II(F)(4)(b)) The owner or operator shall submit a written request to the Department for a new or revised operating permit to cover any new or altered source postmarked within fifteen (15) days after the actual date of initial startup of each new or altered source. (S.C. Regulation 61-62.1, Section II(F)(4)(c)) The written request for a new or revised operating permit must include, at a minimum, the following information: i. A list of sources that were placed into operation; and ii. The actual date of initial startup of each new or altered source.

I. AMBIENT AIR STANDARDS

Condition Number	Conditions
I.1	Air dispersion modeling (or other method) has previously demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not

I. AMBIENT AIR STANDARDS	
Condition Number	**Conditions**
	invalidate the demonstration if they are modified. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. The owner or operator shall maintain this facility at or below the emission rates used in the most recent air dispersion modeling (or other method) demonstration submitted to and approved by the Department, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates used in the demonstration, not to exceed the pollutant limitations in the body of this permit, it may do so by submitting a new demonstration for approval. This condition along with the referenced modeling demonstration will also serve to meet the intent of S.C. Regulation 61-62.5, Standard No. 8, Section II(D). This is a State Only enforceable requirement.