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South Carolina Department of Health and Environmental Control

APPLICATION TO CONSTRUCT OR ALTER A DAM

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Spring Valley Home Owners Association c/o Renee S. Gardner

Address: [redacted] [redacted] [redacted] [redacted]
(Street or P.O. Box) (City) (State) (Zip Code)

County of Dam's Location: Richland *Owner's Telephone No.* [redacted]

Tax Map Number of Property on Which Dam Will Be Built: 22901-08-27

Application Is Submitted For a Permit to:

- ☐ Construct a new dam
- ☐ Remove existing dam
- ☑ Repair existing dam
- ☐ Enlarge existing dam

PART B. GENERAL INFORMATION

The following basic information is pertinent to the plans and specifications and should be assembled by or with the assistance of a qualified engineer.

1. *Structural height of dam:* 31.00 feet
(Measured from low point on original ground profile to top of dam)

2. *Surface area of impoundment at normal pool level:* 42.00 acres

3. *Volume of water impounded at normal pool level:* 326.00 acre feet

4. *Watershed area:* 580.00 acres

5. *Give a brief description of the watershed characteristics* (include ground cover, slope, shape & soils.):

The watershed consists primarily of residential lots with some commercial areas. The watershed is mostly moderately sloped and contains SCS "A" and "B" type soils.

6. *Is there an existing water impoundment on the same stream?* Yes ☑ No ☐

If yes, distance: 0.26 miles, Upstream ☐ or Downstream. ☑ (check appropriate box).

7. *Name of stream:* Sorghum Branch

8. *Describe the downstream area of potential damage in case of failure of the dam. Include:*
   a. Number and type of buildings;
   b. If homes are included, total number of people;
   c. Number and description of public utilities and roads;
   d. Distance downstream from proposed dam location to applicant's property line;

(description of downstream area of potential damage continued)

Green Springs Drive is located immediately downstream of the dam.

9. *Stream flow is:* Intermittent ☐ Permanent ✓ If permanent, estimated flow is 2.00 cfs.

10. *Give a brief statement pertaining to probable future development of the area downstream from the dam that would be affected by its failure.*

Downstream area is presently wooded with some residential development. There is no proposed development known at this time.

11. *Impoundment presently is or will be used for:* recreation

12. *Describe location of site or proposed site.*

Nearest Community: Spring Valley County: Richland

Give distance and direction from nearest town, city, road intersection, or street intersection.

Dam is located approximately 400 feet east of the intersection of Green Springs Drive and Sheridan Drive in Spring Valley Subdivision.

13. *Attach a U. S. Geological Survey map or aerial photograph showing the exact location of dam, location of roads, utilities, access to site, outline of reservoir, watershed and property lines.* Property lines in relation to proposed dam may be shown on a sketch.

14. *Was the above information obtained with the assistance of a registered professional engineer legally qualified in the state?* Yes ✓ No ☐ If yes, give:

Name: Dan Creed, P.E.

Address: P.O. Box 923 Blythewood, SC 29016

Telephone: (803) 714-9632 SC Registration No.: 15843

I hereby certify that the information contained in this application is true and correct to the best of my knowledge. I fully understand that any willful misrepresentation of facts may cause denial or revocation of the subject permit, and further may result in criminal prosecution.

Owner's Name Printed: Renee S. Gardner

Owner's Signature: Renee S Gardner *Date:(MM/DD/YYYY)* 06/24/2016

Send completed application with map, plans, specifications, and design calculations to the South Carolina Department of Health and Environmental Control, Dams and Reservoirs Safety, at the address below:

DAMS AND RESERVOIRS SAFETY
SC DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
2600 BULL STREET
COLUMBIA, SOUTH CAROLINA 29201