



# 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: 20006-02-06

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: 19.90 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 25.20 acres
3. Volume of water impounded at normal pool level: 115.60 acre feet
4. Watershed area: 239.00 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 wooded and grassed areas. The watershed is mostly gently sloped and contains SCS "A" and "B" type soils.

6. Is there an existing water impoundment on the same stream? Yes  No   
0.30 miles upstream and less than 0.10 miles downstream  
If yes, distance: \_\_\_\_\_ miles. Upstream  or Downstream  (check appropriate box.)
7. Name of stream: Unnamed Stream
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)

Northlake Road on the dam and dam on the pond 1420' downstream

9. Stream flow is: Intermittent  Permanent  If permanent, estimated flow is 1.00 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 developed

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

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 on Northlake Road 305' Southeast of Westlake Road 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: Renu S. Gardner

Owner's Signature: Renu S. Gardner Date: 11/29/11

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