



0567

APPLICATION TO CONSTRUCT OR ALTER A DAM

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Beaver Dam Lake HOA - Avery Hilton Representative

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: R22712-01-04

Application Is Submitted For a Permit to:

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

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 Slowly Water, Construction &
 Agricultural Permitting Divis

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:** 23.50 feet
 (Measured from low point on original ground profile to top of dam)
2. **Surface area of impoundment at normal pool level:** 29.00 acres
3. **Volume of water impounded at normal pool level:** 290.00 acre feet
4. **Watershed area:** 476.00 acres
5. **Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):**

This dam is in the Wildewood subdivision surrounded by large residential lots and homes. The watershed is mainly residential areas, golf courses and wooded wetland areas. The soils are mostly Lakeland Sands in the high areas, some Pelion Soils around the wetlands, and Johnston Soils in the wetlands.

6. **Is there an existing water impoundment on the same stream?** Yes No
 If yes, distance: 0.00 miles, Upstream or Downstream (check appropriate box).
7. **Name of stream:** Headwaters of Jackson Creek
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)

Immediately downstream of the dam is another impoundment surrounded by residential lots. Downstream of this lower impoundment is Polo Road. Approximately one mile below Polo Road is the Pond in Sesquicentennial State Park. Failure of this dam could potentially cause the failure of the downstream dam causing flooding of Polo Road and other downstream areas.

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.

There should be no further development in the areas immediately downstream of this dam. All but wetland areas are already developed.

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

12. Describe location of site or proposed site.

Nearest Community: Wildewood Development County: Richland

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

Lame Horse Road is a Richland County Road that runs over the dam

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: William C. Cooper

Address: 1711 Woodcreek Farms Road, Suite C, Elgin, SC 29045

Telephone: (803) 699-7728 SC Registration No.: 9810

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: Avery Hilton - Dam Representative

Owner's Signature:  Date: (MM/DD/YYYY) 01/20/2016

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**