



# APPLICATION TO CONSTRUCT OR ALTER A DAM

## PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Echo Lake HOA

Address: c/o Ms. Ruth Rast Pres [redacted] [redacted] [redacted] [redacted]  
 (Street or P.O. Box) (City) (State) (Zip Code)

County of Dam's Location: Richland Owner's Telephone No.: \_\_\_\_\_

Tax Map Number of Property on Which Dam Will Be Built: R22809-03-24

Application Is Submitted For a Permit to:

- |   |   |
|---|---|
| <input type="checkbox"/> Construct a new dam            | <input type="checkbox"/> Remove existing dam  |
| <input checked="" type="checkbox"/> Repair existing dam | <input type="checkbox"/> 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: 27.00 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 16.00 acres
3. Volume of water impounded at normal pool level: 104.00 acre feet
4. Watershed area: 395.00 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):

Residential development and golf course. Existing similar sized lake and dam immediately upstream. Ground cover consists of grass, wooded areas, single family homes.

6. Is there an existing water impoundment on the same stream? Yes  No   
 If yes, distance: 0.38 miles, Upstream  or Downstream  (check appropriate box).
7. Name of stream: NA (un named branch 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)

No buildings immediately downstream. Beaver Dam Lake is immediately downstream and could be affected, along with Beaver Dam Road.

9. Stream flow is: Intermittent  Permanent  If permanent, estimated flow is \_\_\_\_\_ 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.

Area is already developed

11. Impoundment presently is or will be used for: Irrigation \_\_\_\_\_

12. Describe location of site or proposed site.

Nearest Community: Wildewood \_\_\_\_\_ County: Richland \_\_\_\_\_

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

784 feet from center of dam (Duck Pond Road) to intersection of Dibble Lane and Duck Pond Road.

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: Robert N. McLeod, P.E. Terracon Consultants, Inc. \_\_\_\_\_

Address: 521 Clemson Road Columbia, SC 29229 \_\_\_\_\_

Telephone: (803) 741-9000 \_\_\_\_\_ SC Registration No.: 10333 \_\_\_\_\_

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: Edward G. Hart \_\_\_\_\_

Owner's Signature:  \_\_\_\_\_ Date: (MM/DD/YYYY) 06/30/2016

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