

## APPLICATION TO CONSTRUCT OR ALTER A DAM

### PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Edisto Lake HOA

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

County of Dam's Location: Aiken Owner's Telephone No.: [REDACTED]

Tax Map Number of Property on Which Dam Will Be Built: 288-00-07-23

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: 37.50 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 192.00 acres
3. Volume of water impounded at normal pool level: 2,500.00 acre feet
4. Watershed area: 8,283.00 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils):

Mainly a rural watershed with fields and woods dominating. Also includes a large lot residential and a portion of the Town of Wagner

6. Is there an existing water impoundment on the same stream? Yes  No   
 If yes, distance: 0.10 miles, Upstream  or Downstream  (check appropriate box).
7. Name of stream: Giddy Swamp 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)

Downstream area is mainly wetlands, but the stream crosses a couple of rural public roads and downstream impoundments that would be affected by dam failure. Route is as follows – from spillway to Giddy Swamp Creek; then to Mary Rawls Road (Aiken Cnty Rd 671) into Browns Pond; then Browns Pond Road (Aiken Cnty Rd 683); then to Lake Amelia, Lake Amelia Road; then into Edisto River. The homes & buildings downstream were unaffected during past breaches of Edisto Lake, Browns Pond and Lake Amelia. (Edisto Lake Riser failed in 1997 breaching both downstream dams)

9. Stream flow is: Intermittent  Permanent  If permanent, estimated flow is 5.00 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.

Any development downstream should be restricted to areas out of the areas affected by dam failure.

11. Impoundment presently is or will be used for: Recreation and irrigation

12. Describe location of site or proposed site.

Nearest Community: Wagner, SC County: Aiken

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

The lake is located in the Edisto Lake Subdivision with an entrance on HWY 302 approximately 2.8 miles northeast of Wagner, SC

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:

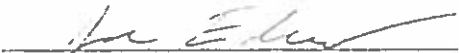
Name: William C. Cooper - WCC Engineering, LLC

Address: 1711 C Woodcreek Farms Road, 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: JIM EDWARDS - EDISTO LAKE HOA PRES.

Owner's Signature:  Date: (MM/DD/YYYY) 07/18/2016

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**