

D 0210



## APPLICATION TO CONSTRUCT OR ALTER A DAM

### PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Eric Lanier

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

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

Tax Map Number of Property on Which Dam Will Be Built: 068-00-00-027-000

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: 18.00 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 21.00 acres
3. Volume of water impounded at normal pool level: 210.00 acre feet
4. Watershed area: 855.00 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils).

The watershed is within a rural area just outside the city limits of Chester. There is some residential development with lots over 1 acre. There are also approximately 14 impoundments upstream of this dam. The basin is predominantly wooded. Soils are predominantly Wilkes series with 10 to 35% slopes.

6. Is there an existing water impoundment on the same stream? Yes / No  
 If yes, distance: 0.01 miles, Upstream / or Downstream. (check appropriate box).
7. Name of stream: Unnamed Tributary of Sandy River
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)

The dam is approximately 730 feet upstream of Mr. Lanier's property line. The dam is also approximately 690 feet upstream of Center Road and 1200 feet upstream of Highway 321. This is where Sandy River goes under these roadways. Sandy River then flows into Lake McGregor. There are no buildings between the dam and Lake McGregor.

- 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.

As a result of the economics of the Chester area and the large residential lots that have been developed within the watershed. We do not anticipate any significant development in the future.

- 11. Impoundment presently is or will be used for: Recreation
- 12. Describe location of site or proposed site.

Nearest Community: Chester County: Chester

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

The dam is approximately 1200 feet from the intersection of Center Road and Highw 321 which is approximately 1.4 miles northwest of the city limits of Chester.

- 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: Christopher Wood

Address: P.O. Box 296, Clover, SC 29710

Telephone: (803) 684-3390 SC Registration No.: 18025

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: ROBERT ERIC LANIER

Owner's Signature: [Signature] Date: (MM/DD/YYYY) 5/9/16

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