



APPLICATION TO CONSTRUCT OR ALTER A DAM

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Millvale Plantation, LLC - John T. Stephenson

Address: 3229 Sunset Blvd. Suite A West Columbia SC 29169
 (Street or P.O. Box) (City) (State) (Zip Code)

County of Dam's Location: Sumter *Owner's Telephone No.:* (803) 216-8777

Tax Map Number of Property on Which Dam Will Be Built: 0880001024

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:* 11.00 feet
(Measured from low point on original ground profile to top of dam)
2. *Surface area of impoundment at normal pool level:* 48.00 acres
3. *Volume of water impounded at normal pool level:* 288.00 acre feet
4. *Watershed area:* 16,725.00 acres
5. *Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):*

The watershed is Rafting Creek, it headwaters into the Wateree River. The creek extends approximately eight (8) miles northeast of the dam to Rembert Church Rd in Lee County. This area is in the mid- Atlantic Coastal Plain with sandy soils and pines in the uplands and hardwoods in the lowlands.

6. *Is there an existing water impoundment on the same stream?* Yes No
 If yes, distance: 2.00 miles, Upstream or Downstream (check appropriate box).
7. *Name of stream:* Rafting 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)

- a. one (1) vacated two- story dwelling
- b. 0
- c. SC. Rte 261 @ 1.5 miles
- d. 600 ft.

9. Stream flow is: Intermittent Permanent If permanent, estimated flow is 100.00 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.

None

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

12. Describe location of site or proposed site.

Nearest Community: Rembert County: Sumter

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

-Two (2) miles due north to Rembert
 -Ellerbe Mill Rd and Wright Rd intersect 800 feet west of 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: Joe A Smith

Address: 1836 Augusta Rd.

Telephone: 791-7528 SC Registration No.: 8672

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: John T Stephenson

Owner's Signature:  Date: (MM/DD/YYYY) 6-7-16

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