

06/06/2016 D0017

28-0002



APPLICATION TO CONSTRUCT OR ALTER A DAM

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Hermitage Lake Associates (Hermitage Mill Pond Dam)

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

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

Tax Map Number of Property on Which Dam Will Be Built: 286-00-00-019

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:* 14 00 feet
 (Measured from low point on original ground profile to top of dam)
2. *Surface area of impoundment at normal pool level:* 397.00 acres
3. *Volume of water impounded at normal pool level:* 1,390 00 acre feet
4. *Watershed area:* 30,720 00 acres
5. *Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):*

The watershed is moderately sloped and consists of residential, commercial, agricultural and wooded areas. The watershed contains primarily SCS "A" and "B" type soils.

6. *Is there an existing water impoundment on the same stream?* Yes No
 If yes, distance: 2.70 miles, Upstream or Downstream (check appropriate box).

7. *Name of stream:* Big Pine Tree 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)

Bishopville Highway is located approx. 750' downstream and US Hwy 521 is located approx. 2.5 miles downstream. There are also several homes and at least 20 businesses located downstream with potential for damage.

9. Stream flow is: Intermittent Permanent If permanent, estimated flow is 500 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 is some potential for future development for the areas downstream but none is known at this time.

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

12. Describe location of site or proposed site.
Nearest Community: Camden County: Kershaw

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

Hermitage Mill Pond is located approximately 600' northwest of the intersection of SC Hwy. 34 (Bishopville Hwy.) and S. Gate Drive.

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: Dan Creed, P.E. Heritage Engineering, Inc.
Address: P.O. Box 923 Blythewood, SC 29016
Telephone: (803) 714-9632 SC Registration No.: 15843

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: Hermitage Lake Assoc, by Debra A. Turner

Owner's Signature: Debra A. Turner, Manager/Partner Date: (MM/DD/YYYY) 5/24/2016

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