



APPLICATION TO CONSTRUCT OR ALTER A DAM

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Al Jeffords

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

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

Tax Map Number of Property on Which Dam Will Be Built: 044-00-01-029

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: X 8 feet
 (Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 40 acres
3. Volume of water impounded at normal pool level: 320 acre feet
4. Watershed area: 100 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):
 The ground cover is a mixture of woods and agricultural land that is currently being cultivated. The slopes are mild ranging from <1% - 3% slopes. Soils around the pond include NoA (HSG Group B), NoB (HSG Group B), EmB (HSG Group C), GoA (HSG Group C), NcA (HSG Group C), NcB (HSG group C), JoA (HSG D) and CxA (HSG Group C). Soils Map is attached.
6. Is there an existing water impoundment on the same stream? Yes No
 If yes, distance: 2 miles, Upstream or Downstream (check appropriate box).
7. Name of stream: Newman Swamp
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 area is rural and no homes exist in the immediate downstream area. The area is historically agricultural and continues to be used as such. The dam is approximately 100 feet from the property line and the downstream area is heavily wooded. The immediate area around the pond on the upstream side is wooded with three (3) homes located on property adjacent to the pond. None of these three homes is less than 200 feet from the high water elevation of the pond and the homes sit at an elevation more than 10 feet in vertical difference from the high water elevation of the pond. The majority of the land around the pond is agricultural.

9. Stream flow is: Intermittent Permanent If permanent, estimated flow is +/- 3 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.
The probability of future development downstream of the pond is highly unlikely. The area is agriculture and no development is expected as the area is very rural with very low potential for development.

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

12. Describe location of site or proposed site.

Nearest Community: Lamar County Darlington

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

Dam is located approximately 3000' west of the intersection of Lee State Park Road and Una Road, on the north side of Lee State Park Road (approximately 400 feet north of Lee State Park 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: Enga Ward Hair

Address: 2786 Naples Pass West Columbia, SC

Telephone: (803) 807-6488 SC Registration No: 20892

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: AL JEFFORDS

Owner's Signature: Al Jeffords Date: (MM/DD/YYYY) 12-17-15

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