



South Carolina Department of Health and Environmental Control

APPLICATION TO CONSTRUCT OR ALTER A DAM

McElmurray Dam D-1992

PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Mr. C. Jack Wetzel

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: 055-12-07-001

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: 18 feet
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 29 acres
3. Volume of water impounded at normal pool level: 209 acre feet
4. Watershed area: 18,710 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):

The watershed for McElmurray Pond Dam is comprised mostly wooded and pastured areas. The watershed is also moderately sloped and contains SCS "A", "B", and "C" type soils.

6. Is there an existing water impoundment on the same stream? Yes No
If yes, distance: 0.55 miles, Upstream or Downstream (check appropriate box).

7. Name of stream: Town 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)

Lower McElmurray Pond Dam is located approximately 0.55 miles downstream of McElmurray Pond Dam and US Highway 278 is located approximately 0.58 miles downstream of McElmurray Pond Dam.

9. Stream flow is: Intermittent Permanent If permanent, estimated flow is 6.00 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.

There is no future development known for the areas downstream.

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

12. Describe location of site or proposed site.

Nearest Community: Beech Island County: Aiken

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

The dam is located approximately 2500' north of the intersection of US Highway 278 and Spiderweb Road near Beech Island.

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: Mr. C. Jack Wetzel

Owner's Signature:  Date: (MM/DD/YYYY) 07/27/2016

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**