



# APPLICATION TO CONSTRUCT OR ALTER A DAM

## PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: Dorothy C. Shirer

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

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

Tax Map Number of Property on Which Dam Will Be Built: 0285-00-05-025

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: 15.00 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 16.00 acres
3. Volume of water impounded at normal pool level: 96.00 acre feet
4. Watershed area: 1,009.00 acres

5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):  
 The watershed consists primarily of row crops and pastured areas with some woods and residential. The watershed is gently sloped, contains several Carolina Bays. The watershed is made up of 16% SCS "A" type soils, 59% "B", 10% "C" and 15% "D" type soils.

6. Is there an existing water impoundment on the same stream? Yes  No

If yes, distance: 3.70 miles, Upstream  or Downstream  (check appropriate box).

7. Name of stream: Big Poplar 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)

Cleveland Street is located approximately 1400 feet downstream. There are no other structures located immediately downstream of the dam and the owners property line is located approximately 250' downstream.

9. Stream flow is: Intermittent  Permanent  If permanent, estimated flow is 1.00 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 development proposed for the areas downstream.

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

12. Describe location of site or proposed site.

Nearest Community: Elloree County: Orangeburg

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

The Robert Shirer dam is located on Harlin Street approximately 0.30 miles northeast of The Town of Elloree.

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.

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: Dorothy C. Shirer

Owner's Signature: Dorothy C. Shirer Date: (MM/DD/YYYY) 01/28/2016

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