



South Carolina Department of Health and Environmental Control

# APPLICATION TO CONSTRUCT OR ALTER A DAM

## PART A. OWNER & APPLICATION TYPE

Name of Owner of Subject Dam: City of Union

Address: 101 Sharpe Ave. or P.O. Box 987 Union SC 29379  
(Street or P.O. Box) (City) (State) (Zip Code)

County of Dam's Location: Union Owner's Telephone No.: (864) 429-1704

Tax Map Number of Property on Which Dam Will Be Built: N/A

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: 23.00 feet  
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 6.70 acres
3. Volume of water impounded at normal pool level: 33.50 acre feet
4. Watershed area: 360.00 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):

The watershed is located in the north east corner of the City of Union. Approximately 25% of the city flows to Foster Park. The area is approximately 65% wooded and 35% city scape. The water shed is approximately round with moderate slopes.

6. Is there an existing water impoundment on the same stream? Yes  No   
If yes, distance: \_\_\_\_\_ miles, Upstream  or Downstream.  (check appropriate box).
7. Name of stream: Unnamed Tributary to Meng 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)

This is an existing dam with a road on top of the dam. The road is a dead end with very little traffic. There are no houses downstream of this dam. There is an existing sewer line approximately 100 feet downstream of the dam.

9. Stream flow is: Intermittent  Permanent  If permanent, estimated flow is 0.05 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 not any development planned downstream of the dam. The probability of future development is very low.

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

12. Describe location of site or proposed site.

Nearest Community: City of Union County: Union

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

5,000 feet northeast of Union, SC

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: Brian Green, P.E., LEED AP

Address: 426 Fairforest Way, Greenville, SC 29607

Telephone: (864) 232-1556 SC Registration No.: 28198

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: Perry Harmon

Owner's Signature:  Date: (MM/DD/YYYY) 1/19/16

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