



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: Heather Lakes Homeowner's Association

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

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

Tax Map Number of Property on Which Dam Will Be Built: Heather Lakes Subdivision

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: 12.00 feet
(Measured from low point on original ground profile to top of dam)
2. Surface area of impoundment at normal pool level: 13.30 acres
3. Volume of water impounded at normal pool level: 4.50 acre feet
4. Watershed area: 65.00 acres
5. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.):

The watershed is gently rolling coastal plain topography. The subdivision includes a series of four small low hazard upper reservoirs that feed into the larger Lower Heather Lakes Dam. The lower dam is an "L" shaped homogeneous embankment. Spillway discharge from the lower dam, flow from Mullet Creek and flow from the swale along US 17 converge at a culvert under US 17. The area downstream is low lying, overgrown, and slowly draining resulting in water backing onto the toe of the dam.

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: Mullet 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)

Development downstream of US 17 is located on the higher ground above the stream and above any wetlands. Development is mainly commercial. One road is located approximately 1200 feet downstream. Danger from failure of the dam is expected to be low. The highway crest is generally higher than the top of the dam. A "sunny day" breach is expected to be contained by the US17 culvert and embankment.

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.

Wetlands downstream from the dam should prevent future development in the flood plain

11. Impoundment presently is or will be used for: Recreation and irrigation of turf

12. Describe location of site or proposed site.

Nearest Community: Little River, SC County: Horry

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

US 17 and Heather Lakes subdivision

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: H. Grady Adkins, Jr.

Address: Rizzo Associates, 7320 Broad River Road, Suite K-257, Irmo, SC 29063

Telephone: (803) 673-1861 SC Registration No.: 6064

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): Robert J. Paoletti, HOA President

Owner's Signature: [Signature] Date: (MM/DD/YYYY) 4/15/16.

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**