

## APPLICATION TO CONSTRUCT OR ALTER A DAM

and Environmental Control PART A. OWNER & APPLICATION TYPE Name of Owner of Subject Dam: McRae's Mill Club, Inc. Address: (Zip Code) (State) (City) (Street or P.O. Box) Owner's Telephone No.: County of Dam's Location: Sumter Tax Map Number of Property on Which Dam Will Be Built: Application Is Submitted For a Permit to: Remove existing dam Construct a new dam Enlarge existing dam Repair 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. feet Structural height of dam: 1. (Measured from low point on original ground profile to top of dam) acres Surface area of impoundment at normal pool level: 2. 89.00 acre feet Volume of water impounded at normal pool level: 3. 9,958.00 acres Watershed area: 4. Give a brief description of the watershed characteristics (include ground cover, slope, shape & soils.): The watershed is gently sloped and consists of mostly woods with some agricultural and pastured areas. The watershed contains 28% SCS "A" type solls, 59% "B" soils, 2% "C" soils, and 11% "D" soils. Is there an existing water impoundment on the same stream? Yes 🔃 No 🗌 miles, Upstream or Downstream. (check appropriate box). If yes, distance: 0.66 Name of stream: Cane Savannah Creek 7. Describe the downstream area of potential damage in case of failure of the dam. 8. Include: Number and type of buildings; If homes are included, total number of people; Ь. Number and description of public utilities and roads; Distance downstream from proposed dam location to applicant's property line; d.

hime	leveloped forest and swamp is located between McRae's Pond and Boyles Pond approximately 0.66 as downstream.
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9.	Stream flow is: Intermittent Permanent If permanent, estimated flow is 5.00 cfs.
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	Give a brief statement pertaining to probable future development of the area downstream from the dam that would be affected by its failure.
	ere is no future development known for the areas downstream.
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 11.	Impoundment presently is or will be used for: recreation
11.	
<i>12</i> .	Describe location of site or proposed site.
	Nearest Community: Wedgefield County: Sumter
	Give distance and direction from nearest town, city, road intersection, or street intersection.
IV	IcRae's Pond is located approximately 1.45 miles southeast of the intersection of
M	Vedgefield Road and Burnt Gin 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.
<i>14.</i>	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
	45040
	Telephone: (803) 714-9632 SC Registration No.: 15843
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and ti	Telephone: (803) 714-9632 SC Registration No.: 15843  ify that the information contained in this application is true and correct to the best of my knowledge. I fully hat any willful misrepresentation of facts may cause denial or revocation of the subject permit, and further
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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