



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

March 21, 2016

Rebecca Bolin Morgan

Re: Bolin's Millpond Dam - D 3727
Permit Application Revisions- February 26, 2016
Inspection Report - Not Received to Date
Orangeburg County

To Ms. Morgan,

The SCDHEC Dams Safety Program has reviewed a repair permit application (with revisions submitted on February 26, 2016) from your engineering consultant Terracon Consultants, Inc. In order to ensure all dam safety concerns are properly addressed, SCDHEC will require the submittal of the requested inspection report prepared by a SC licensed professional engineer. This inspection report was requested in two certified letters mailed to you on November 2, 2015 and February 11, 2016. According to an inspection conducted on October 13, 2015 by Army Corps of Engineers staff, there was considerable erosion observed on the dam after the record setting rainfall. This deficiency is not addressed in the documents received on February 26, 2016. Please have your consulting engineer submit an inspection report to this office by May 5, 2016.

The permit application revisions submittal received on February 26, 2016 with plans, specifications, and hydrologic and hydraulic calculations for the repair of this dam will require revision prior to issuance of a Dams Safety Program repair permit. According to the provided calculations, the pond's water surface elevation during the 100-year return rainfall event (design storm) will be at an unacceptable level. This is unacceptable because high winds cause wave action that could cause overtopping of the dam during the design storm. At least one (1) foot of freeboard must be maintained between the elevation of the crest of the dam and the water surface elevation of the pond. In order to remedy this potentially unsafe condition, the proposed earthen, auxiliary spillway dimensions must be increased to pass more flow. Please provide a plan view of the dam site indicating the location of the proposed auxiliary spillway.

Please call me at (803) 898-1767 or email me (preferred) at fordrj@dhec.sc.gov if you have any questions regarding these requests.

Sincerely,

A handwritten signature in black ink that reads "James Ford". The signature is written in a cursive style with a large, stylized "J" and "F".

James Ford, Hydrogeologist
Dams Safety Program
Bureau of Water
SCDHEC

CC: William Christopher, Terracon Consultants, Inc.