



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

March 14, 2011

Darren Fanning
335 Todd Creek Rd.
Neeses, SC 29107

Re: Reinspection of Dam D-3701, Busbee Pond Dam, Orangeburg County

Dear Mr. Fanning:

This office performed a routine inspection of Busbee Pond Dam on March 10, 2011. The dam appears to have been recently reconstructed/currently under reconstruction. The SC Dams and Reservoirs Safety Act requires all new and all existing regulated dams that are reconstructed or have major modifications performed on them to obtain a construction permit from SC DHEC.

Please note that Chapter 72-3.B.2 of the Dams and Reservoirs Safety Act states:

“Repairs to an existing dam: Repairs to an existing dam shall not commence until the owner has applied for and received a repair permit from the Department to perform the necessary repairs. Repairs proposed voluntarily or pursuant to an inspection and repair order require permitting. Should the owner be uncertain as to whether the proposed work is repair or normal maintenance work, he should contact the Department for clarification. In case of an emergency where the owner finds repairs are necessary to safeguard life or property, the owner may start such repairs immediately but shall notify the Department at once of the proposed repair and work under way.”

If you have any questions regarding the construction permitting process, please contact Steve Bradley, Permitting Engineer for the Dams and Reservoir Safety Program at (803) 898-4027.

Enclosed you will find an inspection report which summarizes any comments or concerns which we have. Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dam ever experience difficulty. **Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.**

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of this dam to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Serving Aiken, Allendale, Bamberg, Barnwell, Calhoun and Orangeburg Counties

Aiken EQC Office • 206 Beaufort Street NE • Aiken, SC 29801 • Phone: (803) 641-7670 • Fax: (803) 641-7675 • www.scdhec.gov

The Busbee Pond Dam will be inspected again in three (3) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803) 641-7670, also please contact this office as soon as possible to update your current contact information

Sincerely,

A handwritten signature in black ink, appearing to read "Scott L. Simons", with a horizontal line extending from the end of the signature.

Scott L. Simons
Dam Safety Program
Region 5 Aiken – EQC

cc: Steve Bradley, PE, Bureau of Water – SCDHEC



INSPECTION REPORT

Date March 10, 2011

Dam D-3701, Busbee Pond Dam, Orangeburg County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

None.

Others Present:

None.

Items requiring correction/checking:

1. If you have any questions regarding the construction permitting process, please contact Steve Bradley, Permitting Engineer for the Dams and Reservoir Safety Program at (803) 898-4027 or BRADLESM@dhec.sc.gov.
2. It is recommended that the water level in the pond be lowered until design, permitting and construction issues with the dam are completed.
3. There is a sinkhole with a void underneath near the western end of the dam in the crest several feet from the upstream slope. Without proper evaluation this situation could be detrimental to the structural integrity of the dam.
4. Area around the outlet pipe should be stabilized with rip rap, etc.
5. All slopes, upstream, downstream and the crest should be stabilized with vegetation as soon as possible.

List of previously noted items still uncorrected and dates previously noted:

General Recommendations:

1. Weeds, brush and all trees less than six (6) inches in diameter should be cut/removed from the crest and upstream & downstream slopes on a regular basis (recommended minimum annually).

Emergency Action Plan Updated

Yes

Signature of Person Completing Form

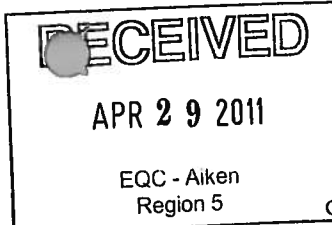
Scott L. Simons

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**DAMS AND RESERVOIRS SAFETY
BUREAU OF WATER**

April 27, 2011

Mr. Darren Fanning
335 Todd Creek Rd
Neeses, SC 29107

RE: Busbee's Millpond Dam, D 3701, Orangeburg County

Dear Darren:

The referenced dam is regulated as a Class II, Significant Hazard Dam within the inventory of dams at SC Department of Health and Environmental Control.

A recent inspection revealed the dam as being in need of substantial repairs. As such, we are requiring design plans and supporting calculations to be submitted for review and approval to repair the dam within 90 days from the date of this letter. The following items for repair and/or our information should be provided:


- 1.) Submitted calculations should be provided assuring the Class II meets the spillway design flood requirements as detailed in the regulations,
- 2.) Verification from the engineer the dam is stable for the 100-year flood with one-foot of freeboard from the "top of dam." The minimum elevation occurring on either the edge of pavement for the downstream roadway (adjacent to the impounded water) or the dam location from the emergency spillway to the roadway should serve as the "top of dam" elevation,
- 3.) Treatment and repair procedures for the principle spillway structure,
- 4.) Treatment or repair procedures for lining the emergency spillway for stability during peak design flow conditions,
- 5.) Establishing an acceptable grass cover for the dam and flattening the slopes to a 3:1 or flatter slope for the dam not adjacent to the existing roadway,
- 6.) Establishment of an acceptable Maintenance and Operations Plan for the dam,
- 7.) And updating the Emergency Action Plan.

An "Engineers' List" is enclosed for your use and convenience; however, you are not limited to these engineers. You may opt to hire an engineer of your choosing. We urge your engineer to meet with us soon after you've chosen him so that the plan preparation and supporting calculations will comply with our standards.

In addition, a Wetlands Permit from the US Army Corps of Engineers could be necessary. Please contact Mr. Les Parker at (803) 253-3444 to determine if this permit is necessary.

If you have any questions or comments, I may be contacted at (803) 898-4027.

Sincerely,


Steven M. Bradley, P.E.
Dam Safety Hydrologist

Cc: Mr. Scott Simons, EQC Region 5

ENGINEERS EXPERIENCED IN
DAM DESIGN WORK

Stephen L. Whitesides, PE Law Engineering & Envir Svcs

CDM
5400
Raleigh
(919)

Spoke with Steve on 8-23-11
Says they are in process of
gettin permit.

Schn
104 C
W. Co
(803)

Willia
16-C
PO B
Mann
(803)

Scott

Columbia, SC 29201
Office (803) 758-4762

Hass & Hildebrand, Inc.
33 Greenville St SW
P. O. Box 3276
Aiken, SC 29802
(803)649-1316

Joe Barron, PE
4 Rosebay Dr
Greenville, SC 29615
joeengineer@charter.net
(864)915-3982

Assigned a "poor" Cond. Ass.
Dam has been inspected by
a PE and in progress of getting
a permit for repairs. Follow
through should raise Ass. to
"Sat." after repairs completed.

Scott

(803) 714-9632

(803)699-7728

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Dobbins

ns Road

**Ross R. Deaver, P.E.
Froehling & Robertson, Inc
18 Woods Lake Rd
Greenville, SC 29607
(864) 271-2840**

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean the firm is not qualified to do design work on dams.