

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds, some trees larger than 6" in diameter.
- ii. Animal activity observed? None observed
- iii. Any obvious alterations or repairs made? None observed
- iv. Erosion observed on upstream slope? None observed
- v. Settlement or cracks visible in slope? Some slide/slumping areas along the length of the upstream slope should be filled. The steep slope angle is a potential concern for more serious slides, but regular dam maintenance and monitoring should be able to control.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds, trees larger than 6" in diameter.
- ii. Animal activity observed? None observed
- iii. Any obvious alterations or repairs made? None observed
- iv. Erosion observed on down stream slope? None observed
- v. Settlement or cracks visible in slope? Some slumping areas and rootball voids, mostly on the north half of the dam, that should be filled in. Steep slopes:(see B-5)
- vi. Toe drains flowing? No toe drains observed.
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Stream/swamp along the downstream toe of the dam. No seepage was observed.

D. Primary Spillway

- i. Any visible deterioration of structure? Structure appears to be in good condition.
- ii. Is there an obvious need to repair or replace trash rack? No
- iii. Any noticeable problems with debris? None observed.
- iv. Is valve or gate present? No. Run-through culvert pipes.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? None observed
- ii. Describe any deflection or damage observed to the pipe: None observed
- iii. Visible condition of outlet channel: No apparent issues.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? There is a junction box between sections of CPP that make up the aux spillway on the downstream slope. It should be cleaned out of debris regularly or potentially capped to keep out potential obstructions.
- ii. Animal activity observed? None observed
- iii. Any noticeable deterioration in the approach or discharge channel? None observed
- iv. Any visible deterioration of structure's crest? No

F. Auxiliary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? N/A

vi. If applicable, any visible leakage below concrete spillway? N/A

H. Downstream/Hazard Class Issues

i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? No.
None observed.

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? Mailed a copy, will mail back in to Sumter regional office when complete.

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? _____

iii. Does EAP contain specific actions to take if the dam has failed or is near failure? _____

Section IV (Conclusions)

General comments and recommendations:

Dam is generally in very good condition. There are a few areas of subsidence and sloughing that should be backfilled, and the auxiliary spillway junction box on the downstream slope should be periodically cleared of debris if left open. Monitor the areas of slope that are particularly steep as they are susceptible to wave erosion and sloughing, and backfill as necessary.

Preliminary Dam Inspection Disclaimer:

The information contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenance and/or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or consulting advice for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the need for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with engineering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of Health and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either express or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. All findings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam owners are responsible for the safe operations and maintenance of their impoundment structures.



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

January 5, 2016

NB Jordan Properties, LLC
Attn: Nancy Jordan

RE: Routine Inspection of Dam D-0509, "Baxley Farm Pond" Dam

Dear Ms. Jordan :

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on December 9th, 2015. Thank you for meeting me for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- You are commended for being proactive in your general maintenance of the dam.
- The auxiliary spillway's junction box on the downstream slope should be cleared and regularly maintained to keep it clear of potential obstructions.
- There are number of trees on the dam. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - This department strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" (and their root systems) gradually over the course of several years.

When completed, please mail a copy of the Surveillance, Emergency Notification, and Action Plan **with original signatures** to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

During the inspection, I gave you a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer
Regional Engineer
SC Department of Health & Environmental Control
Pee Dee EQC Region – Sumter
105 N. Magnolia St, Rm. 204
Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov
Office Phone: (803) 778-6548
Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting