

# Lexington Mill Pond Update 6/9/15 site visit

**Hauptmann, Steve E.**

Tue 6/9/2015 5:38 PM

To: ryan@highseasproperties.com <ryan@highseasproperties.com>; laban@highseasproperties.com <laban@highseasproperties.com>;

Cc: Milenkov, Petar <MILENKPI@dhec.sc.gov>; Poole, John <POOLEJA@dhec.sc.gov>;

📎 5 attachments (8 MB)

IMG\_3599.JPG; IMG\_3600.JPG; IMG\_3606.JPG; IMG\_3611.JPG; d-2606 REGIONAL NUMBERS ADDED.pdf;

Gentleman, as you can see from today's pictures, the sinkhole has gotten significantly larger in the 5 days since the last pictures I shared in this morning's e-mail.

Due to the high hazard classification of this dam, significant loss of life and property could result in it's failure. **It is EXTREMELY URGENT that you lower the lake level another 6-inches over the next 24 hours and initiate a monitoring program on the sinkhole condition.**

We need to be kept informed of the sinkhole condition and the lake level via e-mail with pictures. \*Please do not disturb the markers around the area as they provide a good reference point to any growth, or stabilization of the condition (i.e. stakes installed today, chairs, board piles etc.).

We also need to know the tentative schedule for the engineer to perform his/her evaluation.

Additionally, it is urgent that you have your emergency management plan updated and distributed to all those who may be in a place to implement should this be necessary..including SC DHEC. Our records show we do not have this current form in our files. Please complete this and return ASAP.

We will be in touch with you tomorrow with any additional precautions that may need to be made.

If you have any questions, please call my cell anytime!

Steven  
803-446-8330

Steven Hauptmann, Engineering EIT  
SC Department of Health and Environmental Control  
Midlands Region BEHS-Richland, Lexington, Fairfield, Newberry  
Physical location: 8500 Farrow Road, Building 12, Columbia, SC 29203  
Mailing address: P.O. Box 156, State Park, SC 29147-0156  
email: [hauptmse@dhec.sc.gov](mailto:hauptmse@dhec.sc.gov)  
803-896-9646 (office)  
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# Lexington Mill Pond Dam D-0958

**Hauptmann, Steve E.**

Tue 6/9/2015 12:09 PM

To: ryan@highseasproperties.com <ryan@highseasproperties.com>;

Cc: laban@highseasproperties.com <laban@highseasproperties.com>; Milenkov, Petar <MILENKPI@dhec.sc.gov>; Poole, John <POOLEJA@dhec.sc.gov>;

 2 attachments (4 MB)

IMG\_3508.JPG; IMG\_3509.JPG;

Ryan,

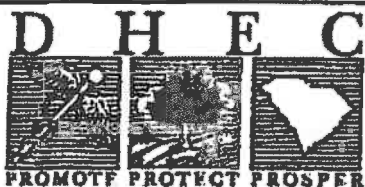
Per our conversation this morning it is understood that you will begin lowering the lake level approximately 6-inches today. Also that you will be making contact with an engineer to evaluate the new sink hole on the crest of this dam (see pictures attached).

Please keep me informed of ANY development and call my cell if you have any questions.

Sincerely,

Steven  
cell-803-446-8330

Steven Hauptmann, Engineering EIT  
SC Department of Health and Environmental Control  
Midlands Region BEHS-Richland, Lexington, Fairfield, Newberry  
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Preliminary Inspection Report for South Carolina  
Regulated Dams and Impoundment Structures  
Regulations  
R.72-1 through R.72-9

**Section I (Owner's Information)**

A. Dam Number: D 0958 & Hazard Class C1  
B. Name of Dam: Lex Mill Pond Dam  
C. Inspection Date: 06/09/2015 & Time: 06/10/2015  
D. Date of Last Inspection: 06/30/2014  
E. Location-County/City: Lex 1 Lex  
F. EQC Regional Office: Region 3 - Columbia  
G. Inspector's Name: Steven Hauptmann  
H. Owner's Name: Ryan Condon  
I. Contact Person (if different from above): \_\_\_\_\_  
J. Dam Owner's or Contact Person's Phone Numbers:  
Home (803) 785 8117  
Office (803) 360 6030  
Other ( ) - - - -  
K. Dam Owner's or Contact Person's mailing address:  
Address 1 1630 Jenkins Rd - Unit C  
Address 2 (optional) \_\_\_\_\_  
City Charleston State SC Zip Code 29467

**Section II (Dam Condition)**

General Condition Assessment (Select one of the following):

a) Satisfactory ☐ b) Fair ☐ c) Poor ☐ d) Unsatisfactory ☒ e) Not Rated ☐

**Section III (Dam Inspection Checklist)**

**A. Dam Crest**

- i. Vegetation (grass, trees weeds)? Near main spillway - dirt exposed  
Grass - remaining  
ii. Animal activity observed? \_\_\_\_\_  
iii. Any obvious alteration or repairs made? \_\_\_\_\_  
iv. Erosion noticed on crest? u Rain erosion from no grass cover  
v. Any visible settlement, misalignment or cracks? \* Sink Hole near building on  
left side of dam

**F. Auxiliary (Emergency) Spillway continued**

v. If applicable, any observed exposure of rebar reinforcement? \_\_\_\_\_

vi. If applicable, any visible leakage below concrete spillway? \_\_\_\_\_

**H. Downstream/Hazard Class Issues**

i. Any noticeable changes immediately downstream of the dam that affects the hazard classification?

Parking lot below dam very busy on weekends.

**I. Emergency Action Plan (EAP)**

i. Emergency Action Plan provided by owner?

NO - Need New EAP

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:**

- Sink hole should be evaluated & Application sent to John Pool.
- Downstream slope should be evaluated by Engineer for tree/shrub/wood removal. Unable to access any of downstream slope.
- access Road needs to be filled & grassed over. Stormwater erosion is entering creek.
- creek should have continuous grass cover
- leaks through rocks near mill building should be evaluated for repairs
- Rip Rap or other stabilization method to upstream slope.
- Spillway Abutment cracks should be evaluated by Engineer.
- Spillway wood Needs replacing -

**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.

*Steven Haugh*

**June 2015 Inspection Photographs:**



**Erosion on access drive leading to dam crest.**



**Flow through auxiliary spillway.**



**Sinkhole forming near gate for penstock.**



**Vegetation on downstream slope of dam.**



**Seepage through masonry wall near penstock.**



**Sinkhole forming near gate for penstock.**