



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

Date: April 3, 2015

Attn: WALDEN PLACE PROPERTY OWNERS ASSOCIATION, INC
J.Allen Schumaker
5847 SHAKESPEARE RD COLUMBIA, SC 29223

RE: Reinspection of WALDEN PLACE Dam D-0592, Classification C1, Richland County

Dear Mr Schumaker:

***You have 30 days to lower the pond level to a such that the seepage stops and provide a written plan of action to DHEC regarding the items noted below.**

WALDEN PLACE was inspected on April 3, 2015 under the provisions of South Carolina Dams and Reservoirs Safety Act.

- An area of seepage was seen at the tow of the dam
- There are many trees that must be evaluated for removal
- Erosion on the crest/lakeside slope near the intake must be repaired
- The emergency spillway/overflow area must be cleared of all trees and debris

*You must have this dam evaluated by a Licensed S.C. Professional Engineer for the seepage, tree removal and erosion repair. Additionally a plan of action for the repairs and the emergency overflow area clearing must be submitted to this office within 30 days of receipt of this letter.

Also, please complete the updated Emergency Notification and Action Plan and return one copy with original signatures to the address provided on the instruction sheet

Sincerely,

Steven Hauptmann, EIT
District Engineer
Region 3 EQC- Columbia
hauptmse@dhec.sc.gov



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 6572 & Hazard Class C1 B. Name of Dam: Walden Place Dam
C. Inspection Date (4/3/2015) & Time: _____ D. Date of Last Inspection: (____/____/____)
E. Location-County/City: Richland F. EQC Regional Office: Region 3 - Columbia
G. Inspector's Name: Steven Hauptmann
H. Owner's Name: Walden Place Partnership
I. Contact Person (if different from above): Allen Schumaker
J. Dam Owner's or Contact Person's Phone Numbers: Home (____) _____
Office (____) _____
Other (____) _____
K. Dam Owner's or Contact Person's mailing address:
Address 1 5847 Shakespeare Rd.
Address 2 (optional) _____
City Columbia State SC Zip Code 29223

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)? Pine straw cover, some grass
ii. Animal activity observed? _____
iii. Any obvious alteration or repairs made? _____
iv. Erosion noticed on crest? Needs better grass cover
v. Any visible settlement, misalignment or cracks? _____

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Same - Heavy trees
- ii. Animal activity observed? _____
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on upstream slope? Erosion near through pipe still present,
- v. Settlement or cracks visible in slope? _____

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Heavy Pine still over prevents thorough evaluation
- ii. Animal activity observed? _____
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on down stream slope? _____
- v. Settlement or cracks visible in slope? _____
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: NO flowing seepage at time of inspection

D. Primary Spillway

- i. Any visible deterioration of structure? _____
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Some flow
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: Blocked

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Clear of vegetation from flow path of Emergency Spillway
- ii. Animal activity observed? _____
- iii. Any noticeable deterioration in the approach or discharge channel? _____
- iv. Any visible deterioration of structure's crest? _____

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? _____

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

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:

* Please Contact me about maintenance needed on dam.

- Heavy tree cover should be evaluated for removal by SC registered P.E.

- Erosion should be corrected ASAP.

- Emergency flow area should be cleared of all vegetation + brush + trees.

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.