



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: Lexington Millpond Dam
C. Inspection Date (4/16/2014) & Time: _____ D. Date of Last Inspection: (____/____/____)
E. Location-County/City: Lexington / Lexington F. EQC Regional Office: Region 3-Columbia
G. Inspector's Name: Steven Hauptmann
H. Owner's Name: old mill LLC
I. Contact Person (if different from above): Ryan Condon / Laben Chapel
J. Dam Owner's or Contact Person's Phone Numbers: Home (____) _____
Office 843 573 8926
Other (____) 422 1690
K. Dam Owner's or Contact Person's mailing address: George Holden
Address 1 1630 Jenkins Rd.
Address 2 (optional) _____
City Charleston State SC Zip Code 29407

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)? grass, trees, herb garden
ii. Animal activity observed? _____
iii. Any obvious alteration or repairs made? _____
iv. Erosion noticed on crest? Erosion on crest, need grass cover
v. Any visible settlement, misalignment or cracks? _____

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? trees near spillway
- ii. Animal activity observed? _____
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on upstream slope? Erosion observed, Need grass cover and
Rip Rap (or equivalent) to prevent further erosion damage
- v. Settlement or cracks visible in slope? _____

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? trees, weeds, brush
- 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: _____

D. Primary Spillway

- i. Any visible deterioration of structure? wood should be replaced / patched,
Gate maintenance & function test schedule should be developed
- ii. Is there an obvious need to repair or replace trash rack? crack on stone
tree roots near concrete
- 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? outlet pipe near building
has water flowing outside discharge pipe
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: patched - no more leaking observed.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- 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:

Flow outside discharge pipe (Near building) should be evaluated by an engineer. Despite flow being clear, it could be channeling around pipe.
Trees should be evaluated by an engineer for removal.
Grass cover should be established on crest & access Rd.
Erosion on upstream slope from wave action - Rip-Rap should be replaced (or equivalent).
Main Spillway Gate Slide gate should be checked for functionality and maintained.

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.