



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 0029 & Hazard Class cl
B. Name of Dam: North Lake Dam
C. Inspection Date (8/11/2015) & 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:
I. Contact Person (if different from above):
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, Address 2, City, State, Zip Code

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

- a) Satisfactory [checked] b) Fair [ ] c) Poor [ ] d) Unsatisfactory [ ] e) Not Rated [ ]

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Paved
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?

**Section III (Dam Inspection Checklist) continued**

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Lots of trees, Pine straw cover
- ii. Animal activity observed? \_\_\_\_\_
- iii. Any obvious alterations or repairs made? Some few trees cut / Stumps remain
- iv. Erosion observed on upstream slope? \_\_\_\_\_
- v. Settlement or cracks visible in slope? \_\_\_\_\_

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Many trees, Pine straw cover
- ii. Animal activity observed? \_\_\_\_\_
- iii. Any obvious alterations or repairs made? few trees cut down / Stumps remain
- iv. Erosion observed on down stream slope? erosion ~~where~~ from rain / Stumps ~~remain~~  
Grass cover needs to be established
- 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: Pine straw cover.

**D. Primary Spillway**

- i. Any visible deterioration of structure? NO
- ii. Is there an obvious need to repair or replace trash rack? NO
- 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? ? underwater discharge
- ii. Describe any deflection or damage observed to the pipe: \_\_\_\_\_
- iii. Visible condition of outlet channel: \_\_\_\_\_

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? Active flow w/ debris + vegetative growth  
Needs removal
- ii. Animal activity observed? \_\_\_\_\_
- iii. Any noticeable deterioration in the approach or discharge channel? NO
- iv. Any visible deterioration of structure's crest? NO

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

v. If applicable, any observed exposure of rebar reinforcement? NO

vi. If applicable, any visible leakage below concrete spillway? NO

**H. Downstream/Hazard Class Issues**

i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? NO

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

i. Emergency Action Plan provided by owner? 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:**

Many trees which are not good for dam;  
Consult Engineer for tree removal + Permit where needed.  
Dine STRAW cover Prohibits good soil retention  
and thorough inspection for wet areas.  
Grass cover should be established.  
Remove cut trees / limbs / Brush / shrubs  
pack holes

**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.