



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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass, Weeds
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass
- ii. Animal activity observed? Yes, Where the crest of the dam is the road, there is a small burrow in the downstream slope.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? None
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? NA
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None

**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? No
- iv. Is valve or gate present? Yes

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? None
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Excellent Condition, water flowing freely.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? NA
- ii. Animal activity observed? NA
- iii. Any noticeable deterioration in the approach or discharge channel? NA
- iv. Any visible deterioration of structure's crest? NA

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

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

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

**H. Downstream/Hazard Class Issues**

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

**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:**

Any excessive vegetation on upstream and downstream slopes of dam should be cleared/cut.

Any larger trees (greater than 4 inches) should be evaluated and any dead or dying trees removed. The animal activity noted on the downstream slope should be routinely monitored and action taken if conditions worsen.

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**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.

**Preliminary Inspection Report for South Carolina Regulated Dams and  
Impoundment Structures Regulations – DHEC 2604  
R.72-1 through R.72-9**

**INSTRUCTIONS**

**Purpose:** To satisfy the inspection requirements for high and significant hazard dams regulated by South Carolina Department of Health and Environmental Control. See R.72-1 through R. 72-9.

**Who will complete the form:** Regional engineers and inspectors engaged in the dams and reservoir safety program performing dam inspections.

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

- A) Dam Number; Enter the Dam's inventory number.
- B) Name of Dam; Enter the common name of dam found within EFIS.
- C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.
- D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.
- E) Location-County/City; Enter the county and city, if applicable, where the dam is located.
- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.
- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

**Section II (Dam Condition):**

Once the inspection is completed indicate the general condition of the dam. The assessment can be one of the following four categories:

- a) **SATISFACTORY-** No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions in accordance with state engineer's rules and regulations for dams or tolerable risk guidelines.



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

#### **B. Upstream Slope**

i. Vegetation (grass, trees weeds)? Weeds, brush, and small trees

ii. Animal activity observed? None

iii. Any obvious alterations or repairs made? None

iv. Erosion observed on upstream slope? None

v. Settlement or cracks visible in slope? None

#### **C. Down Stream Slope**

i. Vegetation (grass, trees weeds)? Weeds, brush, and trees

ii. Animal activity observed? None

iii. Any obvious alterations or repairs made? None

iv. Erosion observed on down stream slope? None

v. Settlement or cracks visible in slope? None

vi. Toe drains flowing? NA

vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None, however visibility restricted due to vegetation

#### **D. Primary Spillway**

i. Any visible deterioration of structure? None

ii. Is there an obvious need to repair or replace trash rack? None

iii. Any noticeable problems with debris? None

iv. Is valve or gate present? None observed

#### **E. Outlet Pipe**

i. Any water visibly flowing or leaking outside of the discharge pipe? Yes

ii. Describe any deflection or damage observed to the pipe: None

iii. Visible condition of outlet channel: Good condition

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

i. Noticeable obstructions to flow? None

ii. Animal activity observed? None

iii. Any noticeable deterioration in the approach or discharge channel? None

iv. Any visible deterioration of structure's crest? None

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

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

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

**H. Downstream/Hazard Class Issues**

i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? None

**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:**

Dam appears to be in good condition. Continue cutting vegetation back to allow for an inspection of the upstream and downstream slopes. Any trees larger than 4 inches in diameter need to be evaluated and any dead or dying trees removed.

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**Preliminary Inspection Report for South Carolina Regulated Dams and  
Impoundment Structures Regulations – DHEC 2604  
R.72-1 through R.72-9**

**INSTRUCTIONS**

**Purpose:** To satisfy the inspection requirements for high and significant hazard dams regulated by South Carolina Department of Health and Environmental Control. See R.72-1 through R. 72-9.

**Who will complete the form:** Regional engineers and inspectors engaged in the dams and reservoir safety program performing dam inspections.

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

- A) Dam Number; Enter the Dam's inventory number.
- B) Name of Dam; Enter the common name of dam found within EFIS.
- C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.
- D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.
- E) Location-County/City; Enter the county and city, if applicable, where the dam is located.
- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name: Enter the name of the person performing the inspection.
- H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.
- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

**Section II (Dam Condition):**

Once the inspection is completed indicate the general condition of the dam. The assessment can be one of the following four categories:

- a) **SATISFACTORY-** No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions in accordance with state engineer's rules and regulations for dams or tolerable risk guidelines.





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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Brush, Briars
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Brush, Briars, Trees (large and small)
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? None
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? NA
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None observed

**D. Primary Spillway**

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? None, trash rack free of obstructions
- iii. Any noticeable problems with debris? None
- iv. Is valve or gate present? None

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? None
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Good, free flowing

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? None, two earthen spillways at both end of the dam.
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

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

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

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

**H. Downstream/Hazard Class Issues**

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

**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:**

Dam appears to be in good condition. Continue cutting vegetation back to allow for an inspection of the upstream and downstream slopes. Any trees larger than 4 inches in diameter need to be evaluated and any dead or dying trees removed.

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**Preliminary Inspection Report for South Carolina Regulated Dams and  
Impoundment Structures Regulations – DHEC 2604  
R.72-1 through R.72-9**

**INSTRUCTIONS**

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- E) Location-County/City; Enter the county and city, if applicable, where the dam is located.
- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.
- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

**Section II (Dam Condition):**

Once the inspection is completed indicate the general condition of the dam. The assessment can be one of the following four categories:

- a) **SATISFACTORY-** No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions in accordance with state engineer's rules and regulations for dams or tolerable risk guidelines.



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 3716 & Hazard Class 2 B. Name of Dam: Gingehake  
C. Inspection Date 01/16/20 & Time: 10:40 D. Date of Last Inspection: ( / / )  
E. Location-County/City: Orangeburg/Orangeburg F. EQC Regional Office: \_\_\_\_\_  
G. Inspector's Name: Scott L. Simon  
H. Owner's Name: Ginger Lakes Association  
I. Contact Person (if different from above): Roger Hagwood  
J. Dam Owner's or Contact Person's Phone Numbers: Home ( ) 536-5915  
Office ( ) \_\_\_\_\_  
Other ( ) \_\_\_\_\_  
K. Dam Owner's or Contact Person's mailing address:  
Address 1 1210 Dogwood Dr.  
Address 2 (optional) \_\_\_\_\_  
City Orangeburg State \_\_\_\_\_ Zip Code 29118

**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)? cut grass  
ii. Animal activity observed? no  
iii. Any obvious alteration or repairs made? no  
iv. Erosion noticed on crest? no  
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? kept cut but some large trees
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? grass/brush
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? None apparent, trash rack needs clearing, appears has been done but time again or it'd be worse
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? not substantially
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? no
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: good/stable

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? 2nd on south end, primary is huge so shouldn't be issue
- ii. Animal activity observed? none apparent
- 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? N/A

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? \_\_\_\_\_

none apparent

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

i. Emergency Action Plan provided by owner? no

ii. Does EAP contain 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:**

- emergency spillway needs to be cleared on southern end. North end spillway cleared

- brush needs to be cut up + down

~ large pines on up

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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 3723 & Hazard Class 2      B. Name of Dam: Zeigler Pond  
C. Inspection Date (1/16/2011) & Time: 12:30      D. Date of Last Inspection: (2/9/2010)  
E. Location-County/City: Orangeburg/ Orangeburg      F. EQC Regional Office: \_\_\_\_\_  
G. Inspector's Name: Scott Simon  
H. Owner's Name: Helen Zeigler  
I. Contact Person (if different from above): \_\_\_\_\_  
J. Dam Owner's or Contact Person's Phone Numbers:      Home (803) 534-7629  
   Office (\_\_\_\_) \_\_\_\_\_  
   Other (\_\_\_\_) \_\_\_\_\_  
K. Dam Owner's or Contact Person's mailing address:  
Address 1 918 Pasture Ln  
Address 2 (optional) \_\_\_\_\_  
City Orangeburg      State SC      Zip Code 29118

**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)? gravel drive over  
ii. Animal activity observed? no  
iii. Any obvious alteration or repairs made? no  
iv. Erosion noticed on crest? no  
v. Any visible settlement, misalignment or cracks? no



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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? grass concrete riprap for wind wave erosion some small trees
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? grass / some small + large trees
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no, some cattle paths near toe
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? no
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? none apparent
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: good

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no
- ii. Animal activity observed? no
- 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? N/A

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? \_\_\_\_\_

none apparent

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

i. Emergency Action Plan provided by owner? ND

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:**

- Trees on up and down stream slope need to be removed / should be, dams well built though

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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 3746 & Hazard Class II B. Name of Dam: Lower Santee Shores Dam
C. Inspection Date (05/13/2015) & Time: 10 AM D. Date of Last Inspection: (02/07/2012)
E. Location-County/City: Orangeburg / Santee F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Chapel Creek Associates LLC
I. Contact Person (if different from above): Mike Holt
J. Dam Owner's or Contact Person's Phone Numbers: Home ( ) - Office ( ) - Other (803) 378-3274
K. Dam Owner's or Contact Person's mailing address: Address 1 PO Drawer 190 Address 2 (optional) City Santee State SC Zip Code 29142 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Paved golf cart path + grass.
ii. Animal activity observed? no.
iii. Any obvious alteration or repairs made? no.
iv. Erosion noticed on crest? no.
v. Any visible settlement, misalignment or cracks? no.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on upstream slope? no.
- v. Settlement or cracks visible in slope? no.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? no.
- v. Settlement or cracks visible in slope? no.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: line, near toe. none apparent. Some water flowing from cracked irrigation

**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? no.
- iv. Is valve or gate present? yes.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? no.
- ii. Describe any deflection or damage observed to the pipe: none.
- iii. Visible condition of outlet channel: Good condition. Some vegetation.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no.
- ii. Animal activity observed? no.
- iii. Any noticeable deterioration in the approach or discharge channel? none.
- iv. Any visible deterioration of structure's crest? A few old cracks. Monitor for changes.

**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? none apparent.

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

i. Emergency Action Plan provided by owner? To be mailed in.

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:**

Good condition. Monitor the area around the cracked irrigation line after the repairs have been completed.

Continue clearing vegetation from the outlet channel as necessary.

Remove the small bush that is trying to grow through the concrete of the emergency spillway.

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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 3742 & Hazard Class II B. Name of Dam: Shuler Dam
C. Inspection Date (09/25/2015) & Time: 11:15 AM D. Date of Last Inspection: (03/08/2012)
E. Location-County/City: Orangeburg / Cameron F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Dr Wesley Shuler
I. Contact Person (if different from above): Marty Hutto 803-263-4073/803-664-0720
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 771-4050
Office (803) 530-3324
Other (803) 530-3324
K. Dam Owner's or Contact Person's mailing address:
Address 1 1340 Adger Rd
Address 2 (optional)
City Columbia State SC Zip Code 29205

Section II (Dam Condition)

General Condition Assessment (Select one of the following):
a) Satisfactory [ ] b) Fair [x] c) Poor [ ] d) Unsatisfactory [ ] e) Not Rated [ ]

Section III (Dam Inspection Checklist)

A. Dam Crest
i. Vegetation (grass, trees weeds)? Tall grass
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Weeds / Grass
- ii. Animal activity observed? Some paths to water
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? No
- v. Settlement or cracks visible in slope? None apparent

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Weeds, Trees, & Brush
- ii. Animal activity observed? Rather large burrow near top of slope, just behind the picnic table.
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Some
- v. Settlement or cracks visible in slope? Settlement from what appears to be old tree root systems.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent

**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? No
- iv. Is valve or gate present? No

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? None apparent
- ii. Describe any deflection or damage observed to the pipe: None apparent
- iii. Visible condition of outlet channel: Discharges to pipe under the road to larger channel.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? None apparent
- ii. Animal activity observed? No
- 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? 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? \_\_\_\_\_

None apparent.

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

i. Emergency Action Plan provided by owner? Blank form will be mailed to owner and contact w/ request for return.

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:**

Control vegetation on upstream slope so that any potential problems remain visible.

Evaluate and fill/stabilize the animal burrow on the downstream slope. Also, monitor that area for any other animal activity.

Monitor the health of the large trees on the downstream slope. If they begin to die or show signs of falling, they will need to be evaluated by a professional engineer so that they can be removed without causing the dam to fail.

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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 3741 & Hazard Class II B. Name of Dam: Patten Seed Dam
C. Inspection Date (04/07/2015) & Time: 10:00 D. Date of Last Inspection: (02/16/2012)
E. Location-County/City: Orangeburg/Orangeburg F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Joe Haigler
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 823-2811 Office (803) 823-2037 Other (803) 682-2234
K. Dam Owner's or Contact Person's mailing address: Address 1 175 Harvest Drive Address 2 (optional) City Cameron State SC Zip Code 29030

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass, dirt drive
ii. Animal activity observed? no
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Mostly grass. A few trees near emergency spillway.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on upstream slope? no.
- v. Settlement or cracks visible in slope? no.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Trees / brush.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? no.
- v. Settlement or cracks visible in slope? none apparent.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: none apparent.

**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? none.
- iv. Is valve or gate present? no.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? Pipe is under water.
- ii. Describe any deflection or damage observed to the pipe: Unable to see all of the pipe.
- iii. Visible condition of outlet channel: clear & stabile

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? none.
- ii. Animal activity observed? no.
- 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? 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.

**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:**

Continue clearing trees from the downstream slope.

Overall good condition.

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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 3726 & Hazard Class II B. Name of Dam: Seanne Kean
C. Inspection Date (1/16/2013) & Time: D. Date of Last Inspection: (2/9/2010)
E. Location-County/City: O'burg / Springfield F. EQC Regional Office:
G. Inspector's Name: Scott Simons
H. Owner's Name: Dr. Sonny Etheridge
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 957-5761
Office ( ) - - - - -
Cell Other (803) 413-4771
K. Dam Owner's or Contact Person's mailing address:
Address 1 1 Coatbridge Ln
Address 2 (optional)
City Lexington State Zip Code 29072

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? cut grass weeds
ii. Animal activity observed? some on north eastern end
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? weeds grass
- ii. Animal activity observed? potential on northeastern end
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? some trees & brush
- ii. Animal activity observed? potential on north eastern end
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? no but old dock over should be removed
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? none apparent
- iv. Is valve or gate present? ~~no~~ yes

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: some good but could be eroding

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? spill over and run around, no
- ii. Animal activity observed? no
- 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? N/A
- 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? None apparent

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

- i. Emergency Action Plan provided by owner? NO
- 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:**

- animal activity need to monitor evaluate and take action as necessary
- cut brush mainly on downstream slope
- need to remove collapsed dock on primary spillway

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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: D3725 & Hazard Class II B. Name of Dam: Robert Shirer Dam
C. Inspection Date (03/24/2015) & Time: 10 AM D. Date of Last Inspection: (02/07/2012)
E. Location-County/City: Orangeburg/ Ellore F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Dorothy Shirer
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 897-2238 Office ( ) Other ( )
K. Dam Owner's or Contact Person's mailing address:
Address 1 DH 6735 3765 Old Number Six Hwy
Address 2 (optional)
City Ellore State SC Zip Code 29047

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass. Worn from vehicle traffic.
ii. Animal activity observed? no.
iii. Any obvious alteration or repairs made? Soil to fill in pot holes, and help grass coverage.
iv. Erosion noticed on crest? minor. near the end of the dam on the left side.
v. Any visible settlement, misalignment or cracks? 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? None apparent.

**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:**

Overall good condition. Clean out the trash rack and finish mowing the slopes when the weather permits.

Monitor animal activity near spillway and outlet pipe.

Continue to work on grass coverage on the crest of the dam.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass. Some weeds.
- ii. Animal activity observed? Possible beaver path near spillway.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on upstream slope? no.
- v. Settlement or cracks visible in slope? no.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass and weeds. (will be mowed when the area dries out)
- ii. Animal activity observed? Path near outlet pipe
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? no.
- v. Settlement or cracks visible in slope? no.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent.

**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? Some debris.
- iv. Is valve or gate present? no.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? None apparent.
- ii. Describe any deflection or damage observed to the pipe: None apparent.
- iii. Visible condition of outlet channel: Good.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no.
- ii. Animal activity observed? no.
- iii. Any noticeable deterioration in the approach or discharge channel? no.
- iv. Any visible deterioration of structure's crest? no.



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: D3724 & Hazard Class II B. Name of Dam: Prickett Dam
C. Inspection Date (03/08/2012) & Time: 1:00 D. Date of Last Inspection: (06/18/2009)
E. Location-County/City: Orangeburg/ Cameron F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Lee Prickett
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 874-3794 Office ( ) - - - - - cell Other (803) 682-3434
K. Dam Owner's or Contact Person's mailing address: Address 1 307 Dantzler St. Address 2 (optional) City St. Matthews State SC Zip Code 29135

Section II (Dam Condition) due to needing to clear vegetation

General Condition Assessment (Select one of the following): a) Satisfactory [ ] b) Fair [x] c) Poor [ ] d) Unsatisfactory [ ] e) Not Rated [ ]

Section III (Dam Inspection Checklist)

A. Dam Crest i. Vegetation (grass, trees weeds)? dirt/grass, dirt drive over ii. Animal activity observed? no iii. Any obvious alteration or repairs made? no iv. Erosion noticed on crest? no v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? brush/trees
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? none apparent

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? brush/trees
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- 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? none apparent
- ii. Is there an obvious need to repair or replace trash rack? none
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: stable

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? none
- ii. Animal activity observed? no
- iii. Any noticeable deterioration in the approach or discharge channel? no
- iv. Any visible deterioration of structure's crest? water flows through regularly but appears mostly stable, should put gravel etc. in

**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? \_\_\_\_\_

none apparent

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

i. Emergency Action Plan provided by owner? AD

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:**

- need to cut vegetation on up & downstream slope

- some animal activity on upstream slope

- should put gravel etc. in emer. spill. as flowed through regularly

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? brush/weeds few small trees.  
time to cut
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? brush/trees/weeds needs clearing
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: unable to thoroughly evaluate

**D. Primary Spillway**

- i. Any visible deterioration of structure? none apparent
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? partially submerged
- ii. Describe any deflection or damage observed to the pipe: unable to determine
- iii. Visible condition of outlet channel: flooded apparently due to beaver activity

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? minor at waters edge
- ii. Animal activity observed? no
- 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? 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? none apparent

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

i. Emergency Action Plan provided by owner? NO

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:**

- monitor for aquatic animal activity/burrowing  
repairs as necessary
- downstream slope needs clearing of vegetation  
& upstream, but not as bad
- recommend removing/cuts trees within 20ft.  
of spillway outlet pipe on downstream slope

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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: D3760 & Hazard Class II B. Name of Dam: Ruesch Pond Dam
C. Inspection Date (03/31/2015) & Time: 10 AM D. Date of Last Inspection: (02/16/2012)
E. Location-County/City: Orangeburg/Orangeburg F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Johnny Murdaugh
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 536-0272 Office ( ) - Other (803) 682-5476
K. Dam Owner's or Contact Person's mailing address: Address 1 P.O. Box 1662 Address 2 (optional) City Orangeburg State SC Zip Code 29116

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass with dirt drive
ii. Animal activity observed? no.
iii. Any obvious alteration or repairs made? no.
iv. Erosion noticed on crest? Some near emergency spillway and near main spillways.
v. Any visible settlement, misalignment or cracks? no.



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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass and weeds
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? Some near primary spillway.
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Trees and brush
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? Some brush has been cleared.
- iv. Erosion observed on down stream slope? Some ~~water~~ around outlet pipes. Appears to be stable. Monitor as trees are removed.
- v. Settlement or cracks visible in slope? Some settling around trees Monitor and repair as necessary.
- vi. Toe drains flowing? N/A
- 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? none apparent
- ii. Is there an obvious need to repair or replace trash rack? Trash racks have been removed for maintenance/cleaning.
- iii. Any noticeable problems with debris? no.
- iv. Is valve or gate present? no.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? no.
- ii. Describe any deflection or damage observed to the pipe: none.
- iii. Visible condition of outlet channel: Channel is clear.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? none apparent
- ii. Animal activity observed? no.
- 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? NIA

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

**H. Downstream/Hazard Class Issues**

i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? None apparent.

**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:**

Finish clearing trees and brush from upstream slope.

Remove trees from downstream slope and monitor the erosion around the outlet pipes during this process.

Replace trash racks on primary spillways to keep them from getting clogged up.

Keep working on grass coverage near the emergency spillway and primary spillways.

**Preliminary Dam Inspection Disclaimer:**

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W. Marshall Taylor Jr., Acting Director

*Promoting and protecting the health of the public and the environment*

Memo for File

From: Dani Hallman

Subject: D 3759, Owen Dam, Orangeburg County

Date: April 3, 2015

On Tuesday, March 31, 2015, I visited this dam to confirm that it was still breached. It appears that the dam has been breached at both ends and is impounding no water.

It will be checked again in 3 years.



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: D3158 & Hazard Class 2 B. Name of Dam: Ann Dibble
C. Inspection Date (03/17/2015) & Time: 11:30 AM D. Date of Last Inspection: (02/16/2012)
E. Location-County/City: Orangeburg / Orangeburg F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Ann Dibble
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home Office Cell Other (404) 895-6583
K. Dam Owner's or Contact Person's mailing address:
Address 1 28 Council Street
Address 2 (optional)
City Charleston State SC Zip Code 29401

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Clay, pine straw
ii. Animal activity observed? yes, beaver tunnels
iii. Any obvious alteration or repairs made? no.
iv. Erosion noticed on crest? yes.
v. Any visible settlement, misalignment or cracks? yes.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Trees, clay
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? Damage to slope from machinery. "Fence" to keep beavers away from outlet pipe.
- iv. Erosion observed on upstream slope? yes
- v. Settlement or cracks visible in slope? yes

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Trees
- ii. Animal activity observed? yes. Beavers.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? yes.
- v. Settlement or cracks visible in slope? no.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Pond is drained but seepage would most likely occur if there was a significant amount of water in the pond.

**D. Primary Spillway**

- i. Any visible deterioration of structure? Riser structure removed.
- 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? \_\_\_\_\_
- ii. Describe any deflection or damage observed to the pipe: \_\_\_\_\_
- iii. Visible condition of outlet channel: Fairly clear. Some trees.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? Trees in path.
- ii. Animal activity observed? no.
- iii. Any noticeable deterioration in the approach or discharge channel? Trees in discharge channel.
- iv. Any visible deterioration of structure's crest? \_\_\_\_\_

**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? \_\_\_\_\_

None apparent

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

i. Emergency Action Plan provided by owner? No.

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:**

Pond is drained. Riser structure has been removed. ~~Monitor~~

Continue to monitor beaver activity as long as the dam remains in its current condition.

Add wire panels (chain link, or similar material) to keep beavers out of the outlet pipe.

Dam is in need of major repairs or breaching.

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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: D3757 & Hazard Class II B. Name of Dam: Lindy Hughes Dam
C. Inspection Date (05/20/2015) & Time: 10 AM D. Date of Last Inspection: (02/16/2012)
E. Location-County/City: Orangeburg/Orangeburg F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Louie Argoe / W. Steen
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: L.A. Home (803)531-3520
W. Steen: 7658 Savannah Hwy Adams Run, SC 29426 Office ( )
W. Steen Other (843)889-3772
K. Dam Owner's or Contact Person's mailing address:

L.A. Address 1 225 Lin Drive
Address 2 (optional)
City Orangeburg State SC Zip Code 29115

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Dirt/Gravel road.
ii. Animal activity observed? no.
iii. Any obvious alteration or repairs made? no.
iv. Erosion noticed on crest? Some. Most likely rain runoff.
v. Any visible settlement, misalignment or cracks? no.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass, some trees, some ungrassed areas.
- ii. Animal activity observed? Minor.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on upstream slope? Some minor erosion from rain run-off. One larger area near water line on the right side.
- v. Settlement or cracks visible in slope? Some old settlement. Appears to be stable now.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass, a few trees.
- ii. Animal activity observed? Some near the outlet pipe.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? no.
- v. Settlement or cracks visible in slope? no.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: none apparent.

**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? Some weeds growing around the outside edges.
- iv. Is valve or gate present? no.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? Feeds into another pond.
- ii. Describe any deflection or damage observed to the pipe: Submerged in lower pond.
- iii. Visible condition of outlet channel: Clear.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no.
- ii. Animal activity observed? no.
- 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? 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? \_\_\_\_\_

none apparent.

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

i. Emergency Action Plan provided by owner? To be mailed.

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:**

Remove vegetation from the trash rack.

Monitor erosion on the upstream slope and repair as necessary.

Consider having the trees removed from the slopes of the dam if they begin to look unhealthy.

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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 4227 & Hazard Class 2 B. Name of Dam: O'cain Pond
C. Inspection Date (1/16/2013) & Time: 11:30 D. Date of Last Inspection: ( / / )
E. Location-County/City: Orangeburg / Orangeburg F. EQC Regional Office:
G. Inspector's Name: Scott Simons
H. Owner's Name: Michael O'cain (has had stroke)
I. Contact Person (if different from above): Cal Sims
J. Dam Owner's or Contact Person's Phone Numbers: Home ( ) Office ( ) Other ( )
K. Dam Owner's or Contact Person's mailing address:
Address 1 977 Waterspring Rd
Address 2 (optional)
City Orangeburg State Zip Code 29118

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? weeds/dirt drive
ii. Animal activity observed? none apparent
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? weeds/small brush, Time to cut again
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? weeds/small brush, Time to cut again
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? n/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? none apparent
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: stable

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no
- ii. Animal activity observed? no
- 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? N/A

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? \_\_\_\_\_

none apparent

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

i. Emergency Action Plan provided by owner? NO

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:**

- brush/weeds need to be cleared from  
up and down stream slope again

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Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

Memo for File

From: Dani Hallman

Subject: D 4177, Julian Ott Dam, Orangeburg County

Date: August 27, 2015

On Thursday, August 27, 2015, I visited this dam to confirm that it was still breached. It appears that the dam is still not impounding water. There is thick vegetation growing in what used to be the reservoir bed.

I have asked Columbia if it is possible to remove this dam from inventory. If not, it will be checked again in 3 years.



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 4156 & Hazard Class II B. Name of Dam: Upper Santee Shores Dam
C. Inspection Date (05/13/2015) & Time: 10:45 AM D. Date of Last Inspection: (02/07/2012)
E. Location-County/City: Orangeburg / Santee F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: Chapel Creek Associates LLC
I. Contact Person (if different from above): Mike Holt
J. Dam Owner's or Contact Person's Phone Numbers: Home ( ) Office ( ) Other (803) 378-3274
K. Dam Owner's or Contact Person's mailing address: Address 1 PO Drawer 190 Address 2 (optional) City Santee State SC Zip Code 29142

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass, paved golf cart path, and public road
ii. Animal activity observed? NO.
iii. Any obvious alteration or repairs made? Highway dept has repaired a portion of the road.
iv. Erosion noticed on crest? NO.
v. Any visible settlement, misalignment or cracks? NO.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on upstream slope? Some near emergency spillway. Caused by rain run off.
- v. Settlement or cracks visible in slope? no.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass.
- ii. Animal activity observed? no.
- iii. Any obvious alterations or repairs made? no.
- iv. Erosion observed on down stream slope? no.
- v. Settlement or cracks visible in slope? Some settling from previous tree removal.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: none apparent.

**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? no.
- iv. Is valve or gate present? yes.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent. Pipe is partially submerged.
- ii. Describe any deflection or damage observed to the pipe: Partially submerged, none apparent.
- iii. Visible condition of outlet channel: Outlet channel is the lower pond.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? No.
- ii. Animal activity observed? no.
- 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? 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? None apparent.

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

i. Emergency Action Plan provided by owner? To be mailed.

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:**

Good condition.

Monitor settling on downstream slope and repair as necessary.

Correct the flow of the rain run off to stop the erosion on the upstream slope.

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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 4149 & Hazard Class C2 B. Name of Dam: Rast #2
C. Inspection Date (02/07/20 12) & Time: 9:30 D. Date of Last Inspection: (06/25/2009)
E. Location-County/City Orangeburg / Cameron F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott Simons
H. Owner's Name: Joe Haigler
I. Contact Person (if different from above): Wally Haigler
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 823-2037 Office (803) 823-2811 Other ( ) - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 Haigler Farm Partnership Address 2 (optional) 175 Harvest Dr. City Cameron State SC Zip Code 29030

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)? cut grass
ii. Animal activity observed? none apparent
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? cut grass
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? cut weeds/grass
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? no
- ii. Is there an obvious need to repair or replace trash rack? none present
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? no
- ii. Describe any deflection or damage observed to the pipe: no
- iii. Visible condition of outlet channel: appears stable

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? no
- ii. Animal activity observed? no
- 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? N/A

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? \_\_\_\_\_

none

**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:**

- good shape

- recommend cutting small trees 20' to either side of outlet pipe up downstream slope

- recommend trash rack

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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 2625 & Hazard Class 2 B. Name of Dam: Speigner's
C. Inspection Date (03/06/2012) & Time: D. Date of Last Inspection: (06/30/2009)
E. Location-County/City: Calhoun / St. Matthews F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott H. Simons
H. Owner's Name: Patrick Gilmore
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 655-5207 cell Office (803) 456-0081 Other ( ) - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 566 Calhoun Rd. Address 2 (optional) City St. Matthews State SC Zip Code 29135

Section II (Dam Condition)

General Condition Assessment (Select one of the following): due to need to remove dead trees and repair damage from fallen tree.
a) Satisfactory [ ] b) Fair [x] c) Poor [ ] d) Unsatisfactory [ ] e) Not Rated [ ]

Section III (Dam Inspection Checklist)

A. Dam Crest
i. Vegetation (grass, trees weeds)? cut grass/weeds
ii. Animal activity observed? no
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? cut grass/weeds
- ii. Animal activity observed? NO
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on upstream slope? NO
- v. Settlement or cracks visible in slope? NO

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? some brush and larger trees on bottom half of slope
- ii. Animal activity observed? NO
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on down stream slope? NO
- v. Settlement or cracks visible in slope? one large pine fallen over on downstream 1/3 from crest need to remove & repair/remove dead trees
- vi. Toe drains flowing? N/A
- 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? none apparent
- ii. Is there an obvious need to repair or replace trash rack? needstrashrack
- iii. Any noticeable problems with debris? no just weeds growing on
- iv. Is valve or gate present? NO

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: unable to fully inspect due to outlet channel
- iii. Visible condition of outlet channel: \_\_\_\_\_

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? brush needs fo be cut & cleared
- ii. Animal activity observed? notre apparent
- 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? N/A

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? \_\_\_\_\_

None apparent

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

i. Emergency Action Plan provided by owner? NO

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:

- cut brush trees less than 6" dia. on downstream

- remove dead tree blown over and stump and repair, appears not too detrimental

- ensure emergency spill way clear.

- remove all trees within 20' of either side of spill way pipe down downstream slope to outlet of spill way pipe

**Preliminary Dam Inspection Disclaimer:**

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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: D2627 & Hazard Class 2 B. Name of Dam: Simenson
C. Inspection Date (3/6/2012) & Time: 12:30 D. Date of Last Inspection: (06/30/2009)
E. Location-County/City: Calhoun / St. Matthews F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Richard & Helen Simenson
I. Contact Person (if different from above): and Erik J. Simenson
J. Dam Owner's or Contact Person's Phone Numbers: (H) Home (803) 738-1365 (I) 3231 Makeway Columbia, SC 29201 (F) Office (803) 748-7607
K. Dam Owner's or Contact Person's mailing address:
Address 1
Address 2 (optional)
City State Zip Code

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)? dirt drive over, cut grass/weeds
ii. Animal activity observed? none apparent
iii. Any obvious alteration or repairs made? NO
iv. Erosion noticed on crest? NO
v. Any visible settlement, misalignment or cracks? NO

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? brush + small trees - time to cut
- ii. Animal activity observed? some possible/potential areas on boring?
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? brush / trees
- ii. Animal activity observed? some potential paths
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? Tree at toe has fallen/been blow over, In area of rootball some seepage is occurring
- v. Settlement or cracks visible in slope? \_\_\_\_\_
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow; In an area south of spillway where tree has been uprooted at toe unable to tell if new, water clear

**D. Primary Spillway**

- i. Any visible deterioration of structure? none apparent
- ii. Is there an obvious need to repair or replace trash rack? Need to ensure vegetation and debris are cleared routinely
- iii. Any noticeable problems with debris? some vegetation grown in or ensure check for debris routinely is performed
- iv. Is valve or gate present? N/A

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? none apparent
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: appears stable

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? minor weeds at waters edge - large
- ii. Animal activity observed? none apparent
- 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? n/A

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? \_\_\_\_\_

None apparent

**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:**

- Dam in need of clearing up <sup>slope</sup> down on 3-10-12 inspec. Significant progress made by 4-5-12 inspection/assessment

- Tree blown over south of discharge pipe near toe has some clear seepage. Need to monitor evaluate repair

- Monitor/clear spillway of debris on regular basis/as needed

- Some potential aquatic animal activity, evaluate/monitor/ make repairs as necessary

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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: D2631 & Hazard Class 2 B. Name of Dam: Lightzer
C. Inspection Date 03/06/2012 & Time: 11:30 D. Date of Last Inspection: 12/15/2009
E. Location-County/City: Calhoun / St. Matthews F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Patricia Lightzer
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 8744333
PO Box 311
St. Matthews, SC 29135
Office ( )
Other ( )
K. Dam Owner's or Contact Person's mailing address:
Address 1
Address 2 (optional)
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)? SC DOT road over - wide dam due to road over
ii. Animal activity observed? no
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? some brush along waters edge Row maintained by DOT
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? grass/weedcut by DOT some trees on bottom of slope
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

**D. Primary Spillway**

- i. Any visible deterioration of structure? none apparent
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? minor
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? no
- ii. Describe any deflection or damage observed to the pipe: none apparent
- iii. Visible condition of outlet channel: discharges directly into pond below

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? N/A 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? n/a

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? NO

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:**

- OOT inspecting pipe during dam inspection, said it looked good.

- some minor brush along waters edge

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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: D2641 & Hazard Class 2 B. Name of Dam: Moss Lake
C. Inspection Date (03/08/2012) & Time: 9:30 D. Date of Last Inspection: 06/18/2009
E. Location-County/City: Calhoun / Cameron F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: C. Michael Moss
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 1 839 Mossdale Rd
Address 2 (optional)
City Cameron State SC Zip Code 29030

Section II (Dam Condition)

General Condition Assessment (Select one of the following):
a) Satisfactory [ ] b) Fair [x] due to some clearing needed on dam
c) Poor [ ] d) Unsatisfactory [ ] e) Not Rated [ ]

Section III (Dam Inspection Checklist)

A. Dam Crest
i. Vegetation (grass, trees weeds)? grass/weeds small trees on eastern end
ii. Animal activity observed? yes
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? brush, small & large trees
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on upstream slope? NO
- v. Settlement or cracks visible in slope? potential near spillway at large tree

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? brush, large & small trees
- ii. Animal activity observed? yes - near spillway
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on down stream slope? NO
- v. Settlement or cracks visible in slope? NO
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: unable to fully determine

**D. Primary Spillway** *spill over*

- i. Any visible deterioration of structure? potential erosion/settlement near spillway wing walls
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? NO
- iv. Is valve or gate present? N/A

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? N/A
- ii. Describe any deflection or damage observed to the pipe: N/A
- iii. Visible condition of outlet channel: good

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? N/A
- 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? N/A
- 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? appears Hwy 33 is at or above dam level may could be class III

**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:**

- Appears some aquatic animal activity primarily on upstream slope
- need to cut brush & trees < 6" on up + downstream slope and eastern end of crest
- any trees > 6" that become unhealthy or die should be removed along with stump

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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 2643 & Hazard Class C2 B. Name of Dam: Rast #1
C. Inspection Date (4/7/2012) & Time: 9:30 D. Date of Last Inspection: (06/25/2009)
E. Location-County/City: Orangeburg/Cameron F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott H. Simons
H. Owner's Name: Allan Zeigler
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 327-3655
Office ( ) Other ( )
K. Dam Owner's or Contact Person's mailing address:
Address 1 1980 High Pines Rd
Address 2 (optional)
City Rock Hill State SC Zip Code 29732

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)? cut grass
ii. Animal activity observed? some
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? near eastern end near emer. spill.
v. Any visible settlement, misalignment or cracks? no



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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? cut grass
- ii. Animal activity observed? some
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? cut grass brush, some small trees near toe
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? yes on eastern end near emer. spill.
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no - pond immediately below

**D. Primary Spillway**

- i. Any visible deterioration of structure? siphon - no
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? unobservable - below water
- ii. Describe any deflection or damage observed to the pipe: none visible
- iii. Visible condition of outlet channel: pond; immediately below

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? 2 no
- ii. Animal activity observed? no
- iii. Any noticeable deterioration in the approach or discharge channel? some at transition to crest on eastern end
- 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? \_\_\_\_\_

**H. Downstream/Hazard Class Issues**

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

none

**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:**

- good shape
- continue monitoring for animal activity and repair as necessary - current trapping
- recommend repairing erosion on eastern end at transition of emer. spill to dam
- recommend cutting trees 20' to either side of outlet pipe ~~can~~ on downstream slope

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Buyck pronounced "Bike"



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 2927 & Hazard Class 2 B. Name of Dam: Peter Buycks
C. Inspection Date (03/06/2012) & Time: 9:30 D. Date of Last Inspection: (06/30/2009)
E. Location-County/City: Calhoun / St. Matthews F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Peter Buyck
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 874-2039 Office (803) 655-5150 Other ( ) - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 PO Box 416 Address 2 (optional) City St. Matthews State SC Zip Code 29135

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

originally unsat but poor is more appropriate actual state.

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? trees, large & small
ii. Animal activity observed? none apparent
iii. Any obvious alteration or repairs made? no
iv. Erosion noticed on crest? no
v. Any visible settlement, misalignment or cracks? no

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? brush trees - not cut in recent times
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? none apparent

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? trees, large + small not cut in recent times
- ii. Animal activity observed? none apparent
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? sink hole near outlet pipe
- v. Settlement or cracks visible in slope? only near outlet pipe
- vi. Toe drains flowing? N/A
- 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? none apparent but unable to completely evaluate
- ii. Is there an obvious need to repair or replace trash rack? may need to replace
- iii. Any noticeable problems with debris? none apparent
- iv. Is valve or gate present? N/A

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? potential
- ii. Describe any deflection or damage observed to the pipe: pipe appears to be failing 8-10' up slope from outlet
- iii. Visible condition of outlet channel: sediment from sink hole appears deposited at outlet

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? trees/brush
- ii. Animal activity observed? none apparent
- 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? N/A

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? \_\_\_\_\_

NO

**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:

- Sink hole 8-10' up the downstream slope from outlet, appears pipe thru dam is failing

- John Poole, Petar Milenkov performed evaluation on 3-8-2012 conclusion lower water level and br repair.

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

**B. Upstream Slope**

- i. Vegetation (grass, trees weeds)? Grass. Some weeds.
- ii. Animal activity observed? Some paths to water level. No damage to vegetation.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? None apparent.

**C. Down Stream Slope**

- i. Vegetation (grass, trees weeds)? Grass. Some weeds.
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? No.
- v. Settlement or cracks visible in slope? None apparent.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent.

**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? No.
- iv. Is valve or gate present? Yes.

**E. Outlet Pipe**

- i. Any water visibly flowing or leaking outside of the discharge pipe? No. Pipe is partially submerged due to higher than normal flow.
- ii. Describe any deflection or damage observed to the pipe: None apparent.
- iii. Visible condition of outlet channel: Clear.

**F. Auxiliary (Emergency) Spillway**

- i. Noticeable obstructions to flow? No.
- ii. Animal activity observed? No.
- 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? 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? \_\_\_\_\_

None apparent

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

i. Emergency Action Plan provided by owner? To be mailed

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 in good condition. Please remember to mail in the Emergency Plan and keep a copy for your records.

If you notice any problems as the water level stabilizes from the area flooding, please give me a call.

**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.