



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 4520 & Hazard Class C1 B. Name of Dam: Mt. Vintage Irrigation Dam
C. Inspection Date (09/09/2015) & Time: 10:30AM D. Date of Last Inspection: (12/03/2013)
E. Location-County/City: Edgefield / N. Augusta F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name:
I. Contact Person (if different from above): Tim Phillips
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office (803) 279-5472 Other (803) 613-1028
K. Dam Owner's or Contact Person's mailing address: Address 1 365 Mount Vintage Plantation Drive Address 2 (optional) City North Augusta State SC Zip Code 29860

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)? Grass
ii. Animal activity observed? No.
iii. Any obvious alteration or repairs made? No.
iv. Erosion noticed on crest? Some on slope leading to crest.
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 wave erosion. Only visible because the pond is very low
- 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: No.

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? Not visible due to thick vegetation.
- ii. Describe any deflection or damage observed to the pipe: Not visible.
- 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:

Good condition. Monitor erosion leading onto crest and repair as needed. When vegetation is cleared from outlet area, check for signs of seepage around the pipe and notify DHEC immediately if you notice any.

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: D 2810 & Hazard Class I
B. Name of Dam: Edisto Farms Dam
C. Inspection Date (09/29/2015) & Time: 10 Am
D. Date of Last Inspection: (01/14/2013)
E. Location-County/City: Bamberg / Denmark
F. EQC Regional Office: Orangeburg
G. Inspector's Name: Dani Hallman
H. Owner's Name: 1. Alan Guess
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home () - - - - -
Owner 2: Wells Fargo Bank - Attn: Cindy Edwards
1441 Main St - 15th Floor
Columbia SC 29201
Office (803) 765-3119
Owner 1 Other (803) 673-1857
K. Dam Owner's or Contact Person's mailing address:
Address 1 734 Partridge Road
Address 2 (optional)
City Orangeburg State SC Zip Code 29118 - - - - -

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)? Grass w/ 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? Some potholes in vehicle path.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass + weeds. Has been recently mowed + sprayed
- ii. Animal activity observed? Path to water near the spillway.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? Some settlement. Most likely from old root systems.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass/weeds on upper half. Trees on lower half.
- ii. Animal activity observed? Path to outlet channel.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? None apparent.
- 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. Water level is very low.

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? Pipe is submerged.
- ii. Describe any deflection or damage observed to the pipe: Pipe is submerged.
- iii. Visible condition of outlet channel: Fairly clear. Water level is too low to actively flow. May want to dig out the channel a little more.

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? _____

Dam should not be a Class 1. Bridge at downstream crossing appears to be large enough that it should not be overtopped.

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? Yes. DHEC 2606 received on 9/17/15.

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 clearing trees and brush from the lower half of the downstream slope.

Monitor areas where trees have been removed for settlement and repair as needed.

I'm still working with Columbia to see if we can lower the classification to C3.

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: D 3756 & Hazard Class 1 B. Name of Dam: Fogle Dam (Lower)
C. Inspection Date (1/14/2013) & Time: 11:30 D. Date of Last Inspection: (2/24/2011)
E. Location-County/City: O'burg / Cordova F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott Simon S
H. Owner's Name: Lawrence & Albert Fogle
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Lawrence Home () 534-4106 Albert Office () 531-4152 Other ()
K. Dam Owner's or Contact Person's mailing address: Address 1 Lawrence 4011 Bamberg Rd Albert 4001 Bamberg Rd Address 2 (optional) City Cordova State Zip Code 29039

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)? 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)? cut 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)? cut grass - some old random ^{small} settled areas - long stable
- 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: _____

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
- 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? 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:

- good condition

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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? _____
- v. Settlement or cracks visible in slope? no

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass
- ii. Animal activity observed? Small burrow on right hand side. Seems to be abandoned.
- 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? 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: Fallen tree in front of outlet pipe. Not currently affecting flow.

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? _____

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:

Well maintained. Monitor animal activity on downstream slope and consider removing the fallen tree from that is down stream from outlet pipe.

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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, weeds
- 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: Some seepage on left side. Appears to be ground water unrelated to the dam.

D. Primary Spillway

- i. Any visible deterioration of structure? None apparent.
- ii. Is there an obvious need to repair or replace trash rack? No trash rack present.
- 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.
- ii. Describe any deflection or damage observed to the pipe: Some rust damage to lower portion of the pipe. See Section IV.
- iii. Visible condition of outlet channel: Some debris. Not affecting flow at this time.

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? _____

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:

Spoke with Mr. Stillinger on 3/17/15 and was told that the outlet pipe has been sealed to prevent further damage. He ~~is~~ is considering having a liner installed in the future to prevent rusting and leaking.

* Consider installing a new trash rack to keep debris out of the outlet system.

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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: D0842 & Hazard Class 1 B. Name of Dam: Fricks Pond Dam
C. Inspection Date (07/21/2015) & Time: 10:30 AM D. Date of Last Inspection: (01/15/2013)
E. Location-County/City: Saluda / Monetta F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name: Harold + Nan Frick
I. Contact Person (if different from above): Carey Frick
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other (803)924-4495
K. Dam Owner's or Contact Person's mailing address: Address 1 122 Carey Frick Drive Address 2 (optional) City Monetta State SC Zip Code 29105 -

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)? Grass w/ vehicle path.
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 very small bare areas.
- 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: None apparent.

D. Primary Spillway

- i. Any visible deterioration of structure? No.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? No.
- iv. Is valve or gate present? Yes, as part of irrigation pump system

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.
- iii. Visible condition of outlet channel: Clear.

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. Good grass coverage.
- iv. Any visible deterioration of structure's crest? No. Good grass coverage.

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? Yes.

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 great condition. Monitor areas with less grass coverage for erosion. Let us know if you have any questions.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass and two pine 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)? Brush and trees. One dead tree fallen across dam.
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some minor erosion near outlet
- v. Settlement or cracks visible in slope? None
- 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 observed

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

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: Appears stable.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Some brush on downstream side
- 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? None

vi. If applicable, any visible leakage below concrete spillway? None

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? New EAP form included with report.

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:

Vegetation on upstream and downstream slopes of dam should be cleared/cut. Smaller trees (less than 4 inches in diameter).

Any larger trees should be evaluated and any dead or dying trees removed. Dead tree needs to be removed from dam and hole backfilled and compacted.

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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 / Very Small Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Significant windwave erosion observed along majority of upstream slope
- v. Settlement or cracks visible in slope? _____

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Brush / Small Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some erosion observed
- v. Settlement or cracks visible in slope? None
- 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 observed

D. Primary Spillway

- i. Any visible deterioration of structure? Siphons appears in good shape.
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? None
- iv. Is valve or gate present? Valve at outlet

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: Plunge pool / channel appears in 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. Auxillary (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? _____

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 is rated as poor condition as a result of the failure to address windwave erosion noted in numerous reports.

Small trees and brush on dam need to be cleared from dam.

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.



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 4324 & Hazard Class S1 B. Name of Dam: Sutcliffe Dam

C. Inspection Date (12/12/2014) & Time: 1440 D. Date of Last Inspection: (01/10/2012)

E. Location-County/City: Orangeburg / _____ F. EQC Regional Office: Midlands Aiken

G. Inspector's Name: Josh Yon

H. Owner's Name: Beverly Zelgler

I. Contact Person (if different from above): _____

J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 874 - 3547
Office (____) ____ - ____
Other (____) ____ - ____

K. Dam Owner's or Contact Person's mailing address:
Address 1 58 Campground Trail
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 d) Unsatisfactory e) Not Rated

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? _____
- ii. Animal activity observed? _____
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on down stream slope? _____
- v. Settlement or cracks visible in slope? _____
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

- i. Any visible deterioration of structure? _____
- 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: _____

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? _____

iii. Does EAP contain specific actions to take if the dam has failed or is near failure? _____

Section IV (Conclusions)

General comments and recommendations:

*Dam listed as breached. Verified dam is not impounding significant pool.

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- 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.
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