

January 22, 2013

Mr. Thomas Goforth WG Development PO Box 249 Graniteville, SC 29829

Re: Reinspection of (D-0004) Vaucluse Dam, Aiken County

Dear Mr. Goforth:

This office performed a routine inspection of the above-mentioned dam on January 9, 2013. The dam appears to be functioning adequately at this time, however a "Fair" rating was given due to an issue that needs investigating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of these dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The above-mentioned dams will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670. Please express our appreciation to everyone who took the time to meet with us.

Sincerely

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC Roger Boyd, 507 Rennie St., Graniteville, SC 29829

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

-Region 5

# Dam \_\_\_\_\_ D-0004 Vaucluse Dam, Aiken County

# **Representatives of SCDHEC Present:**

Scott L. Simons

## **Representatives of Owner Present:**

Roger Boyd

# Items requiring correction/checking:

1. A major portion of the dam is constructed of granite blocks. There is an area approximately 6 ft vertically down and runs horizontally across the downstream wall, behind the spillway area and to the north, that appears to have some semi-significant seepage. However, it is impossible to get good observation due to weeds/brush. These weeds and brush should be removed and an evaluation performed to ensure this seepage is not an indication of a problem as has been repaired at the Flat Rock Dam, which is of similar construction. Please contact me within 14 days of receipt of this letter to discuss your plans to clear and evaluate the seepage.

List of previously noted items still uncorrected and dates previously noted: None.

No

#### **General Recommendations:**

1. Continue to monitor seepage on the downstream walls of the granite rock portion. Should the flow increase/become cloudy or observation of sediment/soil migration be observed the Department should be notified immediately and the water level dropped to a suitable level until an appropriate evaluation can take place.

2. Weeds, brush should be cut/removed from the dam on a regular basis (recommended minimum annually).

Emergency Action Plan Updated

Signature of Person Completing Form

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January 7, 2015

Mr. Mark van der Linden – Director Aiken County Parks Recreation and Tourism 1930 University Parkway, Suite 2200 Aiken, SC 29801

Re: Routine Inspection of Dam D 0003, Langley Pond Dam Aiken County

Dear Mr. van der Linden:

On December 10, 2014 the Department conducted a routine inspection of the Langley Pond Dam. The dam received an **Unsatisfactory** condition rating due to the piping which is occurring near the primary spillway. The Department is requiring that a professional engineer conduct a detailed inspection of the dam and the results submitted to the Department in the form of a construction application to repair any deficiencies noted. Enclosed you will find the inspection report which summarizes any comments or concerns we have.

If you have any questions or concerns please do not hesitate to contact me at 803-642-1637.

Sincerely,

Joshua C. Yon SC Department of Health and Environmental Control Midlands Region EQC – Aiken 206 Beaufort Street, NE Aiken, SC 29801

cc: John Poole, P.E., Bureau of Water Joe Berry, P.E., Aiken County

ROMOTE PROTECT PROSPER	Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Inform	ation)
A. Dam Number: D 0003 & H	azard Class_C1B. Name of Dam: Langley Pond
C. Inspection Date ( <u>12/10</u> /20 14	
E. Location-County/City: Aiken	
G. Inspector's Name: <u>Joshua Y</u>	on, John Poole, Petar Milenkov
H. Owner's Name: <u>Aiken Cour</u>	
I. Contact Person (if different from	n above): Mark van der Linden
J. Dam Owner's or Contact Perso	on's Phone Numbers: Home ( )
	Office (803) 642 - 7559
K. Dam Owner's or Contact Perso Address 1 <u>Aiken County (</u> Address 2 (optional <u>) 1930 U</u> City <u>Aiken</u>	
General Condition Assessment a) Satisfactory b) Fai	(Select one of the following):
Section III (Dam Inspection	(Select one of the following):
General Condition Assessment a) Satisfactory b) Fai <u>Section III (Dam Inspection</u> A. Dam Crest I. Vegetation (grass, trees weeds	(Select one of the following): r c) Poor d) Unsatisfactory 🖌 e) Not Rated Checklist)
General Condition Assessment a) Satisfactory b) Fai Section III (Dam Inspection A. Dam Crest I. Vegetation (grass, trees weeds	(Select one of the following): r  c) Poor d) Unsatisfactory e) Not Rated Checklist) s)? Dirt / Asphait Roadway / Walking Path one
General Condition Assessment          a) Satisfactory       b) Fai         Section III (Dam Inspection         A. Dam Crest         I. Vegetation (grass, trees weeds         ii. Animal activity observed?	(Select one of the following): r  c) Poor d) Unsatisfactory e) Not Rated Checklist) s)? Dirt / Asphait Roadway / Walking Path one

Section	III (Dam Inspection Checklist) continued
	eam Slope station (grass, trees weeds)?Grass / Some Brush
ii. Anin	nal activity observed? None
iii. Any	obvious alterations or repairs made? None
	ion observed on upstream slope? Significant wind wave erosion / sloughing noticed on a large section m just south of the emergency spiliway.
	ement or cracks visible in slope? A large crack was noted in the wingwail at the emergency splitway as the structure for Alinex fire water intake.
<b>c. Down</b> i. Vege raliroad)	Stream Slope station (grass, trees weeds)? Grass along western section of dam. Large trees on southem section (along Several large tree stumps on the downstream slope left of the primary spillway need to be removed. hal activity observed? None
	obvious alterations or repairs made? None
	ion observed on down stream slope? Significant erosion noted along left side of primary spillway
needs to	be addressed.
	drains flowing? N/A
	e, and any turbidity or color within the flow: <u>observed just downstream of the spillway on the left side.</u> boil was also observed under the sheet pilling near the right side. All were carrying material. *see comments
D. Prima i. Any v joint.	
D. Prima i. Any v joint. ii. Is the	boil was also observed under the sheet plling near the right side. All were carrying material. *see comments iry Spillway isible deterioration of structure? Leaking observed in ogee spiilway in what appears to be a construction
D. Prima i. Any v joint. ii. Is the iii. Any	boil was also observed under the sheet piling near the right side. All were carrying material. *see comments ary Spiliway risible deterioration of structure? Leaking observed in ogee spiliway in what appears to be a construction are an obvious need to repair or replace trash rack? N/A noticeable problems with debris? None
D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha	booli was also observed under the sheet pilling near the right side. All were carrying material. *see comments <b>IFY Spillway</b> risible deterioration of structure? Leaking observed in ogee spiilway in what appears to be a construction are an obvious need to repair or replace trash rack? <u>N/A</u> noticeable problems with debris? <u>None</u> None alve or gate present? <u>Two sets of gates are present on the primary spillway. The structure for the lower</u> s deteriorated and the gates are not functional.
D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha E. Outle	booli was also observed under the sheet pilling near the right side. All were carrying material. *see comments <b>IFY Spillway</b> risible deterioration of structure? Leaking observed in ogee spiilway in what appears to be a construction are an obvious need to repair or replace trash rack? <u>N/A</u> noticeable problems with debris? <u>None</u> None alve or gate present? <u>Two sets of gates are present on the primary spillway. The structure for the lower</u> s deteriorated and the gates are not functional.
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D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha E. Outle I. Any v ii. Desc	booli was also observed under the sheet pilling near the right side. All were carrying material. *see comments <b>Iny Spillway</b> risible deterioration of structure? Leaking observed in ogee spiilway in what appears to be a construction are an obvious need to repair or replace trash rack? <u>N/A</u> noticeable problems with debris? <u>None</u> alve or gate present? <u>Two sets of gates are present on the primary spillway. The structure for the lower</u> s deteriorated and the gates are not functional. <b>It Pipe</b> vater visibly flowing or leaking outside of the discharge pipe? <u>N/A</u>
D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha E. Outle I. Any v ii. Desc iii. Visit lowering F. Auxili	boil was also observed under the sheet piling near the right side. All were carrying material. *see comments         ary Spiliway         isible deterioration of structure?       Leaking observed in ogee spiliway in what appears to be a construction         are an obvious need to repair or replace trash rack?       N/A         noticeable problems with debris?       None         alve or gate present?       Two sets of gates are present on the primary spiliway. The structure for the lower         s deteriorated and the gates are not functional.       N/A         water visibly flowing or leaking outside of the discharge pipe?       N/A
D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha E. Outle I. Any v ii. Desc iii. Visit lowering F. Auxili i. Notice	boil was also observed under the sheet pilling near the right side. All were carrying material. *see comments ary Spiliway isible deterioration of structure? Leaking observed in ogee spillway in what appears to be a construction are an obvious need to repair or replace trash rack? <u>N/A</u> noticeable problems with debris? <u>None</u> alve or gate present? <u>Two sets of gates are present on the primary spillway</u> . The structure for the lower is deteriorated and the gates are not functional. At Pipe water visibly flowing or leaking outside of the discharge pipe? <u>N/A</u> with the pipe: <u>N/A</u> ary deflection of outlet channel: <u>Erosion observed in outlet channel due to activities associated with</u> pond level. ary (Emergency) Spillway
D. Prima i. Any v joint. ii. Is the iii. Any iv. Is va gates ha E. Outle I. Any v ii. Desc iii. Visit lowering F. Auxili i. Notice ii. Anim	boil was also observed under the sheet piling near the right side. All were carrying material. *see comments         isible deterioration of structure?       Leaking observed in ogee spiilway in what appears to be a construction         ere an obvious need to repair or replace trash rack?       N/A         noticeable problems with debris?       None         alve or gate present?       Two sets of gates are present on the primary spiliway. The structure for the lower         s deteriorated and the gates are not functional.       train the primary spiliway. The structure for the lower         s deteriorated and the gates are not functional.       N/A         tribe any deflection or damage observed to the pipe:       N/A         poil level.       Erosion observed in outlet channel due to activities associated with         pond level.       None

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

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

i. Emergency Action Plan provided by owner? A comprehensive EAP is currently in the process of being developed.

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

ili. Does EAP contain specific actions to take if the dam has failed or is near failure? N/A

#### Section IV (Conclusions)

#### General comments and recommendations:

The dam received an "Unsatisfactory" rating due to severity of the seepage near the primary spillway. The Department requires that a detailed inspection of the dam be performed by a professional engineer licensed in South Carolina. In accordance with the Dams and Reservoirs Safety Act Regulations: R 72-1 thru 72-9 the inspection must "be in sufficient detail so that appropriate plans and specifications correcting all deficiencies of the dam can be prepared by the engineer and submitted to the Department for approval." This plan must be submitted to the Department within 45 days of receipt of this report.

\*In addition to the bolls, a large amount of seepage was noted on the bank left of the primary spillway. This seepage should be monitored for any change in flow or coloration.

# Preliminary Dam Inspection Disclaimer:

The information contained in the preliminary inspection report is intended as an ald 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 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 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.

DHEC 2604 (Rev 11/2011)



February 13, 2013

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Mr. Thomas Goforth WG Development PO Box 249 Graniteville, SC 29829

Re: Inspection follow-up meeting, February 13, 2013 (D-0002) Flat Rock Dam, Aiken County

Dear Mr. Goforth:

Thanks for having Roger Boyd meet with Department personnel on February 13, 2013 to discuss maintenance/evaluation/tree issues concerning the dam.

The SC Dams and Reservoirs Safety Act confers upon the South Carolina Department of Health and Environmental Control (the Department/DHEC) the regulatory authority over certain dams within the state. Section 72-5 of the Dams and Reservoirs Safety Act Regulations provides the Department with the authority and responsibility to issue orders to regulated dam owners mandating remedial measures as necessary to protect life or property from danger imposed by unsafe dams. The Flat Rock Dam is a Class I, high hazard regulated dam.

Department personnel performed a routine inspection of the Flat Rock Dam on January 9, 2013. The dam received a "Poor" rating due to deficiencies needing correction/addressing. The following is a summary of expectations from the February 13, 2013 site meeting:

- Trees are detrimental to the structural integrity of a dam. During the inspection numerous trees were noted on the dam. The risk associated with this situation on a Class I dam needs mitigating. Within 30 days of receipt of this letter, make contact with John Poole, SCDHEC Dam Safety Engineer, at (803) 898-4212 or pooleja@dhec.sc.gov to discuss the necessary steps required to alleviate the unacceptable risk.
- 2. Numerous seeps exist in the granite block portion of the dam. Seeps can be typical with this type of construction, however increased flow and/or sediment migration can indicate degradation. An area on the western downstream side of the primary spillway may have a seep transporting some sediment. Repairs have been made to this dam in the past due to this situation. An engineering evaluation or ongoing monitoring plan should be in place to objectively evaluate increase flow and/or sediment migration. The dam was periodically evaluated in the past by an engineering firm to determine if repairs were necessary. Within 30 days of receipt of this letter, make contact with John Poole, SCDHEC Dam Safety Engineer, at (803) 898-4212 or pooleja@dhec.sc.gov to discuss an adequate monitoring/evaluation plan.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Region 5 3. Significant Aquatic animal activity has been noted during past and the January 9, 2013 inspection(s). Potential burrowing into the dam is a concern. Please provide a brief written plan or by e-mail, <u>simonssl@dhec.sc.gov</u>, of how the situation will be monitored and addressed.

If you need any assistance or have any questions, please do not hesitate to contact us at (803)-641-7670 or simonssl@dhec.sc.gov.

Sincerely,

Scott L. Simons Dam Safety Program Region 5,Aiken - EQC

Enclosures

cc:

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Bill Chaplin, Bureau of Water – SCDHEC Roger Boyd, 507 Rennie St., Graniteville, SC 29829



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Catherine B. Templeton, Director Promoting and protecting the health of the public and the environment

January 8, 2013

Mr. Jerry Hughson, Director, Lakes & Dams Woodside Plantation P.O.A. 1411 Silver Bluff Rd. Aiken, SC 29803

Re: Reinspection of Oakman Lake Dam (D-2050), Aiken County

Dear Mr. Hughson:

This office performed a routine inspection of the above-mentioned dam on January 7, 2013. The dam appears to be functioning properly and received a "Satisfactory" rating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of the dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Oakman Lake Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Sincerely,

Scott L. Simons Dam Safety Program Region 5 Aiken - EOC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Serving Aiken, Allendale, Bamberg, Barnwell, Calhoun and Orangeburg Counties Aiken EQC Office • 206 Beaufort Street NE • Aiken, SC 29801 • Phone: (803)641-7670 • Fax: (803)641-7675 • www.scdhec.gov

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Date \_\_\_\_\_\_ January 7, 2013

Dam (D-2050) Oakman Lake Dam), Aiken County

C

Representatives of SCDHEC Present: Scott L. Simons

**Representatives of Owner Present:** Jerry Hughson

Others Present: None.

Items requiring correction/checking: None

List of previously noted items still uncorrected and dates previously noted: None

#### **General Recommendations:**

1. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation from the dam on the up & downstream slopes, crest and emergency spillway. (Recommended on an annual basis).

Emergency Action Plan Updated

Yes

Signature of Person Completing Form:

Scatt L. Stron



January 8, 2013

Mr. Jerry Hughson, Director, Lakes & Dams Woodside Plantation P.O.A. 1411 Silver Bluff Rd. Aiken, SC 29803

Re: Reinspection of Holley Lake Dam (D-4069), Aiken County

Dear Mr. Hughson:

This office performed a routine inspection of the above-mentioned dam on January 7, 2013. The dam appears to be functioning properly and received a "Satisfactory" rating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of these dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Holley Lake Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Sincerely

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

Region 5

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Date January 7, 2013

Dam Holley Lake Dam (D-4069), Aiken County

# **Representatives of SCDHEC Present:**

Scott L. Simons

Representatives of Owner Present:

Jerry Hughson

#### **Others Present:**

None

1. Stormwater drainpipe that enters the lake on the western upstream slope of the dam needs to have the outlet cleared of debris. Blockage could cause water to back up in pipe and cause structural

2. Rock berm in the discharge channel, is channeling water against the toe of the dam causing erosion and undermining. Rock berm should be evaluated and repaired so flow will be in the center

of the berm for normal flow. 3. Downstream slope toe drains have grills/pipe that need to be cleaned out.

# List of previously noted items still uncorrected and dates previously noted:

N/A

1. There are bare areas on the western downstream slope near the crest. Monitor these areas for

2. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation from the dam on the up & downstream slopes, crest and emergency spillway. (Recommended on an

4. Monitor for aquatic animal activity and appropriate measures should be taken to alleviate potential detrimental impact to the dam due to burrowing.

**Emergency Action Plan Updated** 

Yes

Signature of Person Completing Form:



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Catherine B. Templeton, Director Promoting and protecting the health of the public and the environment

January 8, 2013

Mr. Jerry Hughson, Director, Lakes & Dams Woodside Plantation P.O.A. 1411 Silver Bluff Rd. Aiken, SC 29803

Re: Reinspection of Burden Lake Dam (D-4075), Aiken County

Dear Mr. Hughson:

This office performed a routine inspection of the above-mentioned dam on January 7, 2013. The dam appears to be functioning properly and received a "Satisfactory" rating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of these dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Burden Lake Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

cc:

Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Date January 7, 2013

Dam Burden Lake Dam (D-4075), Aiken County

Representatives of SCDHEC Present: Scott L. Simons

**Representatives of Owner Present:** Jerry Hughson

Others Present: None

Items requiring correction/checking: None.

List of previously noted items still uncorrected and dates previously noted: None

#### **General Recommendations:**

1. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation from the dam on the up & downstream slopes, crest and emergency spillway. (Recommended on an annual basis).

Emergency Action Plan Updated

Yes

Signature of Person Completing Form:



January 8, 2013

Woodside Development Company, Inc. Mr. Wesley Elijah 1419 Silver Bluff Rd. Aiken, SC 29803

Re: Reinspection of Spalding Lake Dam (D-4368) Aiken County

Dear Mr. Elijah:

This office performed a routine inspection of the above-mentioned dam on January 7, 2013. The dam appears to be functioning properly, however there may be some issues occurring with the spillway structure. The dam received a "Fair" rating until the structural integrity of the spillway can be verified. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of the dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Spalding Lake Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Sincerely

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

cc:

Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

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Date: <u>January 7, 2013</u>

Dam \_\_ (D 4368) Spalding Lake Dam, Aiken County

Representatives of SCDHEC Present: Scott L. Simons

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# **Representatives of Owner Present:**

Wesley Elijay Jerry Hughson

**Others Present:** None.

# Items requiring correction/checking:

1. Spillway structure appears to be settling/has settled on the southeastern corner. Settling has occurred to the point where the drain valve control structure appears to be separating from the structure. Stability of the structure should be evaluated and monitored. Structures elevation should be monitored to determine if any further settling is taking place. An internal visual evaluation should be performed to ensure the structural integrity of the structure and repairs/stabilization enacted as appropriate.

Please respond/contact me as soon as possible, with a plan to evaluate/monitor the spillway structure.

List of previously noted items still uncorrected and dates previously noted: None

### **General Recommendations:**

1. Wind wave erosion appears to be occurring along the upstream slope in the vicinity of the spillway. Condition should be evaluated and stabilized/repaired to prevent further deterioration

2. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation from the dam on the up & downstream slopes, crest and emergency spillway. (Recommended on an annual basis).

**Emergency Action Plan Updated** No

Signature of Person Completing Form:



January 8, 2013

Mr. Jerry Hughson, Director, Lakes & Dams Woodside Plantation P.O.A. 1411 Silver Bluff Rd. Aiken, SC 29803

Re: Reinspection of Royal Lake Dam (D-4318), Aiken County

Dear Mr. Hughson:

This office performed a routine inspection of the above-mentioned dam on January 7, 2013. The dam appears to be functioning properly and received a "Satisfactory" rating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of these dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Royal Lake Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Sincerely

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

Bill Chaplin, Bureau of Water - SCDHEC cc:

Region 5

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Date January 7, 2013

Dam Royal Lake Dam (D-4318),

**Representatives of SCDHEC Present:** Scott L. Simons

**Representatives of Owner Present:** Jerry Hughson

Others Present: None

Items requiring correction/checking:

None.

List of previously noted items still uncorrected and dates previously noted: None.

#### **General Recommendations:**

1. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation from the dam on the up & downstream slopes, crest and emergency spillway. (Recommended on an annual basis).

Emergency Action Plan Updated Yes

Signature of Person Completing Form:

catt & Demona



January 22, 2013

Mr. Thomas Goforth WG Development PO Box 249 Graniteville, SC 29829

Re: Reinspection of (D-4238) Bridge Creek Dam, Aiken County

Dear Mr. Goforth:

This office performed a routine inspection of the above-mentioned dam on January 9, 2013. The dam appears to be functioning adequately at this time, however there are a few issues that need addressing and therefore received a "Fair" rating. Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dams ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of these dams to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The above-mentioned dams will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670. Please express our appreciation to everyone who took the time to meet with us.

Sincerely.

Scott L. Simons Dam Safety Program Region 5 Aiken - EQC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC Roger Boyd, 507 Rennie St., Graniteville, SC 29829

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Serving Aiken, Allendale, Bamberg, Barnwell, Calhoun and Orangeburg Counties Aiken EQCOffice • 206 Beaufort Street NE • Aiken, SC 29801 • Phone: (803) 641-7670 • Fax: (803) 641-7675 • www.scdhec.gov



Date \_\_\_\_\_\_\_ January 9, 2013

Dam \_\_\_\_\_\_ D-4238 Bridge Creek Dam, Aiken County

**Representatives of SCDHEC Present:** Scott L. Simons

**Representatives of Owner Present:** Roger Boyd

Items requiring correction/checking:

1. Evidence of significant aquatic animal activity/traffic and potential burrowing was observed along the canal dike connecting to the Flat Rock Reservoir. Please contact me within 14 days of receipt of this letter to discuss your plan to evaluate the burrowing.

2. A potential sinkhole was noted in the canal dike that connects to the Flat Rock Reservoir. Please contact me within 14 days of receipt of this letter to discuss your plan to evaluate the sinkhole.

List of previously noted items still uncorrected and dates previously noted:

Canal dike needs cutting 2011 Aquatic animal activity 2011

#### **General Recommendations:**

1. Minor evidence of aquatic animal activity along the Bridge Creek Pond main Dam was noted. This area should be monitored and a corrective action plan should be implemented as necessary to maintain the integrity of the dam.

2. It is recommended that brush be cut along the upstream slope of the main dam

**Emergency Action Plan Updated** 

No

Signature of Person Completing Form:

L him



May 30, 2012

Mr. Joey Lindler SC DNR, State Lakes Coordinator 935 Old Lexington Hwy Chapin, SC 29036

Re: Reinspection of Dam D-3064, Edgar A. Brown Dam, Barnwell County

Dear Mr. Lindler:

This office performed a routine inspection of the Edgar A. Brown Dam on January 19, 2012. The dam appears to be in functioning properly and received a rating of "Satisfactory". Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dam ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of this dam to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Edgar A. Brown Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-641-7670.

Scott L. Simons Dam Safety Program Region 5 EQC, Aiken

cc: Bill Chaplin, Bureau of Water – SCDHEC John Frampton, SC DNR, PO Box 167, Columbia, SC 29202

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Date \_\_\_\_\_ April 20, 2010

### Dam \_\_\_\_\_D-3064, Edgar A. Brown Dam, Barnwell County

Representatives of SCDHEC Present: Scott L. Simons

Representatives of Owner Present: None.

### Items requiring correction/checking:

1. Erosion on the western end of the downstream slope of the dam is occurring due to stormwater drainage. Area should be evaluated and stabilized to prevent further deterioration.

**INSPECTION REPORT** 

# List of previously noted items still uncorrected and dates previously noted:

Inadequate spillway capacity (It is not necessary to increase it until a larger bridge opening is provided on the downstream highway.) 10/80.

#### **General Recommendations:**

1. Vegetation should continue to be removed from the upstream slope, downstream slope, primary spillway and emergency spillway of the dam on at least a yearly basis.

2. Erosion due to foot traffic is occurring on the downstream slope near the principal outlet. Area should be monitored and stabilized as necessary to prevent further deterioration.

3. Routinely monitor the spillway structure for logs/debris and remove as necessary.

Emergency Action Plan Updated No.

Signature of Person Completing Form



 $\bigcirc$ 

Catherine B. Templeton, Director Promoting and protecting the health of the public and the environment

May 30, 2012

Mr. Clinton Lemon Southern Chemical Haulers, Inc. P.O. Box 385 Barnwell, SC 29812

Re: Reinspection of Dam D-3065, Fuller Pond Dam, Barnwell County

Dear Mr. Lemon:

This office performed a routine inspection of the Fuller Pond Dam on January 19, 2012. The dam appears to be functioning properly and received a rating of "Satisfactory". Enclosed you will find an inspection report which summarizes any comments or concerns which we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. Please keep this in an easily accessible location so that all agencies can be notified as quickly as possible should the dam ever experience difficulty. Please note it is the owner's responsibility to ensure accuracy, completion and implementation of these.

Provisions in the S.C. Dams and Reservoirs Safety Act require you to notify us within 30 days after transferring title or control of this dam to someone else. Enclosed is a form for your use should this transfer be necessary. Please note that this notification must include the name and address of any new owner.

The Fuller Pond Dam will be inspected again in two (2) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803) 641-7670.

Scott L. Simons Dam Safety Program Region 5 EQC, Aiken

cc: Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5 Serving Aiken, Allendale, Bamberg, Barnwell, Calhoun and Orangeburg Counties

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Date \_\_\_\_\_\_ January 19, 2012

#### Dam \_\_\_\_\_\_ D-3065, Fuller Pond Dam, Barnwell County

Representatives of SCDHEC Present: Scott L. Simons

Representatives of Owner Present:

Ms. Sandy Lowe

#### Items requiring correction/checking:

1. Several areas on the downstream slope near the toe of the slope were noted as potentially being burrowed into. A proper evaluation should be conducted and corrections initiated as necessary.

# List of previously noted items still uncorrected and dates previously noted:

Potential animal burrowing noted in 2010.

#### **General Recommendations:**

1. Weeds, brush and all trees less than six (6) inches in diameter should be cut/removed from the up & downstream slope, crest and emergency spillway on a regular basis (recommended minimum annually).

2. Any tree larger than 6 inches in diameter that is removed should also have their stump removed. The excavation shall be backfilled with appropriate soil, compacted and stabilized.

3. Continue to monitor the downstream slope for signs of seepage. A large wet area on the downstream slope to the left of the outlet, looking downstream, should be monitored and if flow increases or becomes muddy, please call this office.

Emergency Action Plan Updated No

Signature of Person Completing Form

OMOTE PROTECT PROSPER	Regulated Da	pection Report for South Carolina ms and Impoundment Structures Regulations 2.72-1 through R.72-9
Section I (Owner's Info	rmation)	
A. Dam Number: <b>D</b> <u>4520</u> 8	& Hazard Class_ <u>C1</u>	B. Name of Dam: Mt. Vintage Irrigation Dam
C. Inspection Date ( <u>or /or /</u> 20	0 <u>15</u> ) & Time: <u>10:30 pm</u>	D. Date of Last Inspection: (12/03/2013)
E. Location-County/City:	efield N. Augusta	F. EQC Regional Office: Aiken
G. Inspector's Name:	ani Hallman - Orang	eburg EQC
I. Contact Person (if different	from above): <u>Tim Phill</u>	ips
J. Dam Owner's or Contact P	erson's Phone Numbers:	Home ()
		Office ( <u>803) 279 - 5472</u>
		Other ( <u>803) (613</u> - 1028
K. Dam Owner's or Contact F	•	tion Drive
	· · · · · · · · · · · · · · · · · · ·	tion Drive
		<u>5</u> C Zip Code <u>29 860</u>
Section II (Dam Condition Assessmediate Condition Condition Assessmediate Condition Cond		wing):
	) Fair C) Poor	d) Unsatisfactorye) Not Rated
a) Satisfactory 🔽 b		
Section III (Dam Inspec	tion Checklist)	
Section III (Dam Inspec	veeds)? <u>Grass</u>	
Section III (Dam Inspect A. Dam Crest i. Vegetation (grass, trees v ii. Animal activity observed)	veeds)? <u>Crass</u>	
Section III (Dam Inspect A. Dam Crest i. Vegetation (grass, trees v ii. Animal activity observed)	veeds)? <u>Grass</u> ? <u>No</u> . repairs made? <u>No</u> .	

Section III (Dam Inspection Checklist) continued
i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made? No.
iv. Erosion observed on upstream slope? <u>Some wave erosion</u> . Only Visible because the pond is Venilow. v. Settlement or cracks visible in slope? No.
C. Down Stream Slope         i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made? No
iv. Erosion observed on down stream slope?
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?
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? Not visible due to thick Vegetation.
ii. Describe any deflection or damage observed to the pipe: Not visible
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?
EC 2604 (Rev 11/2011)

<ol> <li>If applicable, a</li> </ol>	ny observed exposure of rebar reinforcement?
vi. If applicable, a	any visible leakage below concrete spillway?
	lazard Class Issues changes immediately downstream of the dam that affects the hazard classification?
None	apparent.
<b>Emergency Act</b> i. Emergency Act	tion Plan (EAP) tion Plan provided by owner? To be mailed.
ii. Does EAP con	tains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP cor	ntain specific actions to take if the dam has failed or is near failure?
General comme	nclusions) nts and recommendations: relition. Monitor erosion leading on to crest and repair
General comme Good cor As needed Far signs	nts and recommendations: Delition. Monitor erosion leading on to crest and repair . When vegetation is cleared from outlet area, check of seepage around the pipe, and notify DHEC immediate
General comme Good cor As needed Far signs	nts and recommendations: relition. Monitor erosion leading on to crest and repair. . When vegetation is cleared from outlet area, check
General comme Good cor As needed For signs	nts and recommendations: Delition. Monitor erosion leading on to crest and repair . When vegetation is cleared from outlet area, check of seepage around the pipe, and notify DHEC immediate
General comme Good cor As needed Far signs	nts and recommendations: Delition. Monitor erosion leading on to crest and repair . When vegetation is cleared from outlet area, check of seepage around the pipe, and notify DHEC immediate
General comme Good cor As needed Far signs	nts and recommendations: Delition. Monitor erosion leading on to crest and repair . When vegetation is cleared from outlet area, check of seepage around the pipe, and notify DHEC immediate
General comme Good cor As needed Far signs	nts and recommendations: Delition. Monitor erosion leading on to crest and repair . When vegetation is cleared from outlet area, check of seepage around the pipe, and notify DHEC immediate

#### 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.

DHEC 2604 (Rev 11/2011)

MOTE PROTECT PROSPER	Regulated D	spection Report for South Carolina ams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Info	ermation)	
A. Dam Number: D 0874	& Hazard Class <u>c1</u>	B. Name of Dam: Lake Huntington Dam
C. Inspection Date (01/24/20	0 <u>14</u> ) & Time: <u>10:30</u>	D. Date of Last Inspection: (02 /10 /2012 _)
E. Location-County/City: Edgef	ieid / North Augusta	F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie	Hackett	·····
H. Owner's Name: Lake Huntingto	on inc	
I. Contact Person (if different	from above): Mike Morgenstern	····
J. Dam Owner's or Contact P	erson's Phone Numbers:	Home ()
		Office ( <u>803</u> ) <u>725</u> - <u>9651</u>
K. Dam Owner's or Contact F	Person's mailing address:	Other ( <u>803</u> )441 <u>8964</u>
Address 1 1 Flintlock Drive		
Auress I Transfor Bille	······································	
•		
•		te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u>	, Sta	15
Address 2 (optional) City <u>North Augusta</u>	, Sta	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> Section II (Dam Conditi General Condition Assessm	, Sta	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> Section II (Dam Conditi General Condition Assessm	ion) hent (Select one of the fol	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> <u>Section II (Dam Conditi</u> General Condition Assessm a) Satisfactory b	ion) nent (Select one of the fol ) Fair √ c) Poor tion Checklist)	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> Section II (Dam Conditi General Condition Assessm a) Satisfactory b Section III (Dam Inspec A. Dam Crest	ion) nent (Select one of the fol ) Fair ✓ c) Poor tion Checklist) veeds)?	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> Section II (Dam Conditi General Condition Assessm a) Satisfactory b <u>Section III (Dam Inspec</u> A. Dam Crest i. Vegetation (grass, trees w	ion) hent (Select one of the fol b) Fair $\checkmark$ c) Poor tion Checklist) weeds)? County road - asphalt No	te <u>SC</u> Zip Code <u>29860</u>
Address 2 (optional) City <u>North Augusta</u> <u>Section II (Dam Conditi</u> <u>General Condition Assessm</u> a) Satisfactory b <u>Section III (Dam Inspec</u> <u>A. Dam Crest</u> i. Vegetation (grass, trees w ii. Animal activity observed?	ion) hent (Select one of the fol b) Fair √ c) Poor tion Checklist) veeds)? County road - asphalt ? No repairs made? No	te <u>SC</u> Zip Code <u>29860</u>

ection III (Dam Inspection Checklist) continued	
Unstream Blanc	
. Upstream Slope i. Vegetation (grass, trees weeds)? <u>Grass, leaves, rip-rap</u>	
ii. Animal activity observed? Yes-several burrows	_
iii. Any obvious alterations or repairs made? Filled In an area where storm water caused erosion on the right side of the front side	ope
iv. Erosion observed on upstream slope? Yes	
v. Settlement or cracks visible in slope? Yes	
Down Stream Slope     Josephine Stream Slope     Grass, trees, weeds     Grass, trees, weeds	
ii. Animal activity observed? No	
iii. Any obvious alterations or repairs made? Large diameter tree cut by utility on the backslope, area on the right side of the dam adjacent with the crest has been disturbed recently when the local utility company was fixing a leak in a water line	
iv. Erosion observed on down stream slope?	
v. Settlement or cracks visible in slope? Yes	
vi. Toe drains flowing? N/A	
vii. Any seepage observed? If so, describe location, There was a stump hole with water It in - but I do not think this Is seepa	age.
D. Primary Spillway i. Any visible deterioration of structure? No	
ii. Is there an obvious need to repair or replace trash rack?	<u></u>
iii. Any noticeable problems with debris?	8
iv. Is valve or gate present? Yes	
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: None	
iii. Visible condition of outlet channel: Mostly clear	
E. Auvilland (Emergeney) Spillway	
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? There are some trees on the backslope in the spillway path, the concrete pipe that goes	
under the road needs to be cleaned out. Ensure water has a clear path into the concrete pipe	
ii. Animal activity observed?	
iii. Any noticeable deterioration in the approach or discharge channel?	
iv. Any visible deterioration of structure's crest?	
EC 2604 (Rev 11/2011)	

	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? No

#### 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:

Your goal should be to maintain a vegetative cover on the front slope and back slope of the dam. As vegetation is removed

the debris needs to be removed from the structure.

A large diameter tree was cut on the backslope of the dam. Monitor this closely because as the stump deteriorates

it's possible it could damage the structure. Also, as the roots that are going through the dam die, this may allow seepage

through these areas. If you are concerned about the integrity of the dam due to this tree being cut, my advice would be to

consult with a professional engineer and get their opinion.

When the power pole on the backslope of the dam is replaced, ensure proper that the integrity of the structure

is not compromised.

\*\*\* All directions are given looking downstream

#### 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.

DHEC 2604 (Rev 11/2011)

#### 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.

#### DHEC 2604 (Rev. 11/2011)

PROMOTE PROTECT PROSPER	Regulated D	spection Report for South Carolir ams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's In	formation)	
A. Dam Number: D <u>0891</u>	& Hazard Class High	B. Name of Dam: Beaverdam Creek WCD Dam 1
C. Inspection Date (12/08	/20 <u>14</u> ) & Time: <u>10:37 AM</u>	D. Date of Last Inspection: (12 / 07 / 2012 )
E. Location-County/City: Ed	gefield / Edgefield	F. EQC Regional Office: Region 1 Greenwood
G. Inspector's Name: Stephan	nie Hackett	
H. Owner's Name: Mary Peran	no, Shirley Moore	
I. Contact Person (if differe	nt from above): Edgar Lamb - NRCS	Edgefield County
J. Dam Owner's or Contact	Person's Phone Numbers:	Home ()
		Office (803) 637 - 3340
K. Dam Owner's or Contact	Porson's meiling address	Other (803 ) 480 _ 0187
Address 1 304 Gray Street (		
City Edgefield		e_SCZip Code_28824
	, State	
Section II (Dam Condi	ition)	
S	sment (Select one of the follo	owina):
	b) Fair c) Poor	d) Unsatisfactory e) Not Rated
10 2	ction Checklist)	
Section III (Dam Inspe		
Section III (Dam Inspe A. Dam Crest		
Section III (Dam Inspe A. Dam Crest i. Vegetation (grass, trees	weeds)? Grass	
A. Dam Crest		
A. Dam Crest i. Vegetation (grass, trees	d? <u>No</u>	
A. Dam Crest i. Vegetation (grass, trees ii. Animal activity observed	d? <u>No</u> or repairs made? <u>No</u>	

	pection Checklist) continued
Jpstream Slope Vegetation (grass, tre	es weeds)? grass, weeds, briars, trees
Animal activity obser	ved? Yes
Any obvious alteration	ons or repairs made? No
Erosion observed on anted vegetation. Erosion was	noted on the upstream slope.
Settlement or cracks	visible in slope? Upstream slope could not be completely inspected property due to the abundance of
anted vegetation. It appears th	at two sildes have appeared on the front slope - adjacent to the right edge of the reservoir.
Down Stream Slope	ees weeds)? Trees, weeds, briars
Vegetation (grass, tre	
Animal activity obser	ved? Yes
Anu chuicus altorati	ons or repairs made? No
. Any obvious alterati	
. Erosion observed or	down stream slope? Down stream slope could not be inspected properly due to the abundance
- today	s noted (on sections that could be inspected). Visible in slope? Down stream slope could not be inspected properly due to the abundance of
Settlement or cracks wanted vegetation.	
. Toe drains flowing?	There is a toe drain remediation system. This system pumps water from the reservoir to the treatment facil
t back to the reservoir after trea	Itment. ved? If so, describe location, Down stream slope could not be inspected properly due to the
i. Any seepage obser	
ow rate, and any turbi	
and as wolked the tes of the day	
pector walked the toe of the da Primary Spillway	
Primary Spillway Any visible deteriorat	ion of structure? No
Primary Spillway Any visible deteriorat	
Primary Spillway Any visible deteriorat . Is there an obvious r	ion of structure? No need to repair or replace trash rack? No
Primary Spillway Any visible deteriorat	ion of structure? No need to repair or replace trash rack? No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob	ion of structure? No need to repair or replace trash rack? No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob	ion of structure? No need to repair or replace trash rack? No No No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres	ion of structure? No need to repair or replace trash rack? No No No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow	ion of structure? No heed to repair or replace trash rack? No lems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow	ion of structure? No heed to repair or replace trash rack? No lems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow	ion of structure? No heed to repair or replace trash rack? No lems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of	ion of structure? No heed to repair or replace trash rack? No lems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergen	ion of structure? No heed to repair or replace trash rack? No hems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w cy) Spillway
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam.	ion of structure? No heed to repair or replace trash rack? No hems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w cy) Spillway
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergent . Noticeable obstruction	ion of structure? No need to repair or replace trash rack? No No No No Sent? Unsure - there might be a stem. Ving or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w Cy) Spillway ons to flow? No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergen	ion of structure? No need to repair or replace trash rack? No No No No Sent? Unsure - there might be a stem. Ving or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w Cy) Spillway ons to flow? No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergen . Noticeable obstruction i. Animal activity obse	ion of structure? No heed to repair or replace trash rack? No blems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w cy) Spillway ons to flow? No
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergen . Noticeable obstruction i. Animal activity obse	ion of structure? <u>No</u> heed to repair or replace trash rack? <u>No</u> heed to repair or replace trash rack? <u>No</u> here with debris? <u>No</u> sent? <u>Unsure - there might be a stem.</u> Wing or leaking outside of the discharge pipe? <u>Could not get close enough to see</u> tion or damage observed to the pipe: <u>None</u> outlet channel: <u>Water does not appear to be flowing under the downstream road. Please ensure w</u> cy) Spillway ons to flow? <u>No</u>
Primary Spillway Any visible deteriorat . Is there an obvious r i. Any noticeable prob v. Is valve or gate pres . Outlet Pipe . Any water visibly flow i. Describe any deflect ii. Visible condition of ear path away from the dam. Auxiliary (Emergen . Noticeable obstruction i. Animal activity obse ii. Any noticeable deter	ion of structure? No heed to repair or replace trash rack? No blems with debris? No sent? Unsure - there might be a stem. wing or leaking outside of the discharge pipe? Could not get close enough to see tion or damage observed to the pipe: None outlet channel: Water does not appear to be flowing under the downstream road. Please ensure w cy) Spillway ons to flow? No

F.	Auxiliary	(Emergency)	Spillway	continued
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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? No

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

i. Emergency Action Plan provided by owner?

EAP mailed to the Inspector by Kelly Hyler.

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? 2009. Alert Information needs to Include the Department (please see the EAP that was left with Lee and Kelly prior to the inspection)

iii. Does EAP contain specific actions to take if the dam has failed or is near failure? Yes. Please label each dam on the EAP (D 0891 and D 0892)

#### Section IV (Conclusions)

#### General comments and recommendations:

A routine inspection could not be completely performed by the Department due to the abundance of excess vegetation

on the slopes of the dam. All excess vegetation must be removed. A follow-up inspection will be performed

by the Department.

Your goal is to maintain a grass cover across all aspects of the 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.

#### DHEC 2604 (Rev 11/2011)

### 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.

DHEC 2604 (Rev. 11/2011)

DHEC NOMOTE PROTECT PROSPER		Inspection Report for South Carolina Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Inform	ation)	
A. Dam Number: <b>D</b> <u>0892</u> & Ha	azard Class High	B. Name of Dam: Beaverdam Creek WCD Dam 1
C. Inspection Date (12/08/20 14		D. Date of Last Inspection: (12 / 07 / 2012 )
E. Location-County/City: Edgefield	/ Edgefield	F. EQC Regional Office: Region 1 Greenwood
G. Inspector's Name: Stephanie Hack	ett	> 5 <sup>80</sup> y <sup>2</sup>
H. Owner's Name: Olivia Phillips et ai		
I. Contact Person (if different fron	n above): Edgar Lamb - NR	CS Edgefield County
J. Dam Owner's or Contact Perso	on's Phone Numbers:	Home ()
	an <sup>24</sup>	Office (803) 637 - 3340
		Other (803) 480 - 0187
K. Dam Owner's or Contact Perso		
Address 1 304 Gray Street (Mr. Lam	b)	
Address 2 (optional)		
Section II (Dam Condition)	ана 1 1 <sup>10</sup> пт.	ate <u>SC</u> Zip Code <u>28824</u>
General Condition Assessment		llowina):
a) Satisfactory b) Fa		d) Unsatisfactory e) Not Rated
Section III (Dam Inspection	n Checklist)	
A. Dam Crest i. Vegetation (grass, trees weed	S)? grass, briars, weeds	
ii. Animal activity observed? Y	es	
iii. Any obvious alteration or repa	airs made? No	1 0 8 8 N
		am due to the abundance of unwanted vegetation

ection III (Dam Inspection Checklist) continued	
. Upstream Slope	
i. Vegetation (grass, trees weeds)? grass, weeds, briars	
, vogotation (5,000) a set (7,000)	
ii. Animal activity observed? Yes	
iii. Any obvious alterations or repairs made? Upstream slope could not be inspected properly due to the abundance of	
inwanted vegetation.	
	·
unwanted vegetation.	
unwanted vegetation.	
Down Stream Slope     Trees, weeds, briars     Trees, weeds, briars	
	20
ii. Animal activity observed? Yes	
iii. Any obvious alterations or repairs made? Down stream slope could not be inspected properly due to the abundance of	
unwanted vegetation.	
iv. Erosion observed on down stream slope? Down stream slope could not be inspected properly due to the abundance of	
unwanted vegetation.	
v. Settlement or cracks visible in slope? Down stream slope could not be inspected properly due to the abundance of	
unwanted vegetation. vi Toe drains flowing? There is a toe drain remediation system. This system pumps water from the reservoir to the treatment facility	,
and back to the reservoir after treatment.	23
flow rate, and any turbidity or color within the flow: abundance of unwanted vegetation.	
	<u></u>
D. Primary Spillway	
i. Any visible deterioration of structure? No	
ii. Is there an obvious need to repair or replace trash rack? No	
"" A subtraction replaces with debrie?	
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	
	tinated
iii. Visible condition of outlet channel: Mostly clear. Bubbling just downstream of toe drain system piping. This must be invest	uyated
The cause of the bubbling needs to be reported back to the department.	
F. Auxiliary (Emergency) Spillway	
i. Noticeable obstructions to flow? Vegetation	
ii. Animal activity observed? Difficult to observe due to the excess vegetation	
	1
iii. Any noticeable deterioration in the approach or discharge channel? No	
iv. Any visible deterioration of structure's crest?	
IEC 2604 (Rev 11/2011)	

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? No

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? EAP mailed to the Inspector.

.

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? 2009. Alert Information needs to include the Department (please see the EAP that was left with Lee and Kelly prior to the Inspection)

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

# Section IV (Conclusions)

## General comments and recommendations:

A routine inspection could not be performed by the Department due to the abundance of excess vegetation on the slopes of

the dam. All excess vegetation must be removed. A follow-up inspection will be performed by the Department.

Your goal is to maintain a grass cover across all aspects of the 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.

#### 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.

MOTE PROTECT PROSPER	Preliminary Inspection Report for South Card Regulated Dams and Impoundment Structu Regulations R.72-1 through R.72-9
Section I (Owner's Infor	mation)
A. Dam Number: D <u>0910</u> & I	Hazard Class C1 B. Name of Dam: Slade Lake Dam
C. Inspection Date (01/18/20)	13) & Time: 0910 D. Date of Last Inspection: (11/21/2011
E. Location-County/City: Edgefield	d / Edgefield F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Ha	ackett
H. Owner's Name: Town of Edgefield	ld
I. Contact Person (if different fro	om above): David Coleman
J. Dam Owner's or Contact Per	rson's Phone Numbers: Home ()
	Office ()
	Other (803) 637 - 4014
K. Dam Owner's or Contact Per	erson's mailing address:
K. Dam Owner's or Contact Per Address 1 400 Main Street	erson's mailing address:
	erson's mailing address:
Address 1 400 Main Street	erson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional)	erson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional)	erson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional)	erson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield Section II (Dam Conditio	erson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield Section II (Dam Conditio General Condition Assessme	erson's mailing address: , State <u>SC</u> Zip Code <u>29824</u> , State <u>SC</u> Zip Code <u>29824</u>
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield Section II (Dam Conditio General Condition Assessme	errson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield  Section II (Dam Conditio General Condition Assessme a) Satisfactory b) I	errson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield Section II (Dam Conditio General Condition Assessme a) Satisfactory b) I Section III (Dam Inspection A. Dam Crest	errson's mailing address:
Address 1 <u>400 Main Street</u> Address 2 (optional) City Edgefield Section II (Dam Condition General Condition Assessme a) Satisfactory b) I Section III (Dam Inspection A. Dam Crest i. Vegetation (grass, trees we	arson's mailing address:
Address 1 400 Main Street Address 2 (optional) City Edgefield Section II (Dam Conditio General Condition Assessme a) Satisfactory b) I Section III (Dam Inspection A. Dam Crest i. Vegetation (grass, trees we ii. Animal activity observed?	arson's mailing address:

~	<u> </u>
ection III (Dam Inspection Checklist) continued	
Lingthoon Clana	
a. Upstream Slope i. Vegetation (grass, trees weeds)? Grass; rip-rap at waters edge	
1. Vegetation (grass, trees weeds)? Grass, treat a waters egge	
ii. Animal activity observed? No	
iii. Any obvious alterations or repairs made? NO	
iv. Erosion observed on upstream slope? No	
	occured on the front slope of the dam. I was told that
these areas have not changed. Please continue to monitor these areas closely and call us imm	nediately if you notice any size changes.
C. Down Stream Slope	
i. Vegetation (grass, trees weeds)? Grass and large trees just downstream of	or the toe of the dam.
" A - two - I Atuthu - a han an and O - M-	1) 1
ii. Animal activity observed? No.	
iii. Any obvious alterations or repairs made? A conduit (for a fountain)	goes through the dam (just under the sidewalk)
III. Any upvious allerations of repairs made? A conduction a journality	gen and gen and same year and share and
iv. Erosion observed on down stream slope? Yes. Area underneath the	e irrigation structure on the backslope is eroding.
	·
v. Settlement or cracks visible in slope? Several areas of settlement have of	occured on the front slope of the dam. I was told that
these areas have not changed. Please continue to monitor these areas closely and call us imm	
vi. Toe drains flowing? N/a	
vii. Any seepage observed? If so, describe location, No	
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? Tree growing against the side of	of the trash rack
iv. Is valve or gate present? Not visible.	······································
E. Outlet Pipe	2
i. Any water visibly flowing or leaking outside of the discharge pip	DE? Not that I could see.
ii. Describe any deflection or damage observed to the pipe:	None
iii. Visible condition of outlet channel: Clear	
F. Auxiliary (Emergency) Spillway	2000 - 100 -
i. Noticeable obstructions to flow? A birch tree is in the path of the water on the	the back slope
A birch tree is in the pair of the water of the	
ii. Animal activity observed? No.	
iii. Any noticeable deterioration in the approach or discharge char	nnel? <sub>No.</sub>
	·
iv. Any visible deterioration of structure's crest? No.	¥
	e
EC 2604 (Rev 11/2011)	

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? No.

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

i. Emergency Action Plan provided by owner? No. A copy of the EAP was handed to the Mr. Coleman after the inspection. Mr. Coleman was asked to mail me a copy after he filled it out.

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

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

# Section IV (Conclusions)

#### General comments and recommendations:

Please continue to monitor the depressions/slope failures that have occurred on the dam in the past. Please call us

immediately if you notice additional areas of depressions/slope failure, a change in the size or depth of the depressions, or

any other problems that you may notice during your routine inspection.

Please remember your goal is to maintain a grass cover over all aspects of the dam (front slope, back slope, emergency

spillway, trash racks, etc).

# **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.

DIAL PROTECT PROSPER	Preliminary Inspection Report for South Card Regulated Dams and Impoundment Structur Regulations R.72-1 through R.72-9
Section I (Owner's Info	rmation)
A. Dam Number: <b>D</b> <u>4313</u>	Hazard Class <u>S1</u> B. Name of Dam: Lamb Pond
C. Inspection Date ( <u>12/18/</u> 2	D. Date of Last Inspection: (01 / 12 /2012
E. Location-County/City: <u>Aiken</u>	/Trenton F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon	
H. Owner's Name: Larry Lamb, s	•
I. Contact Person (if different	from above): Jeanette Lamb
J. Dam Owner's or Contact P	erson's Phone Numbers: Home (803) 649 - 4864
	Office (803) 642 - 2252
K. Dam Owner's or Contact F	erson's mailing address:
Addroop 1 1341 Luke Bridge B	in the second se
Address 1 1341 Luke Bridge R	
	, State <u>SC</u> Zip Code <u>29847</u>
Address 2 (optional) City <u>Trenton</u> Section II (Dam Condition General Condition Assessed a) Satisfactory $\checkmark$ b	, State <u>SC</u> Zip Code <u>29847</u> on) ent (Select one of the following): Fair c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City <u>Trenton</u> Section II (Dam Conditi General Condition Assessm	, State SC Zip Code 29847 on) ent (Select one of the following): Fair c) Poor d) Unsatisfactory e) Not Rated tion Checklist)
Address 2 (optional) City <u>Trenton</u> Section II (Dam Condition General Condition Assessmant a) Satisfactory Section III (Dam Inspect A. Dam Crest	, State <u>SC</u> Zip Code <u>29847</u> on) ent (Select one of the following): Fair c) Poor d) Unsatisfactory e) Not Rated tion Checklist) eeds)? <u>Grass</u>
Address 2 (optional) City <u>Trenton</u> Section II (Dam Condition General Condition Assessmant a) Satisfactory Section III (Dam Inspect A. Dam Crest i. Vegetation (grass, trees w	
Address 2 (optional) City <u>Trenton</u> Section II (Dam Condition General Condition Assessmantian a) Satisfactory Section III (Dam Inspection A. Dam Crest i. Vegetation (grass, trees working) ii. Animal activity observed?	

# Section III (Dam Inspection Checklist) continued

ii. Animal activ	vity observed? Some digging observed near roots of one of the trees.
iii. Any obviou	s alterations or repairs made? None
iv. Erosion obs	served on upstream slope? None
v. Settlement o	or cracks visible in slope? None
<b>Down Strea</b> i. Vegetation	m Slope (grass, trees weeds)? Mostly Grass / Area of Brush and Small Trees (Visibility Fair)
ii. Animal acti	vity observed? None
iii. Any obviou	Is alterations or repairs made? None
iv. Erosion ob	served on down stream slope? None
v. Settlement	or cracks visible in slope? None
vi. Toe drains	flowing? N/A
. Primary Spi	any turbidity or color within the flow: Seepage not turbid.
ii. Is there an	obvious need to repair or replace trash rack? None
16	obvious need to repair or replace trash rack? None
iii. Any noticea	
iii. Any notices iv. Is valve or 5. Outlet Pipe	able problems with debris? None
iii. Any notices iv. Is valve or <b>E. Outlet Pipe</b> i. Any water v	able problems with debris? None
iii. Any notices iv. Is valve or <b>E. Outlet Pipe</b> i. Any water v ii. Describe ar	able problems with debris? None gate present? Gate isibly flowing or leaking outside of the discharge pipe? None
iii. Any notices iv. Is valve or <b>E. Outlet Pipe</b> i. Any water v ii. Describe an iii. Visible con	able problems with debris? None gate present? Gate isibly flowing or leaking outside of the discharge pipe? None hy deflection or damage observed to the pipe: None
iii. Any notices iv. Is valve or <b>E. Outlet Pipe</b> i. Any water v ii. Describe an iii. Visible con <b>E. Auxiliary (E</b> i. Noticeable c	able problems with debris? <u>None</u> gate present? <u>Gate</u> isibly flowing or leaking outside of the discharge pipe? <u>None</u> hy deflection or damage observed to the pipe: <u>None</u> dition of outlet channel: <u>Appears Stable</u> mergency) Spillway
iii. Any notices iv. Is valve or E. Outlet Pipe i. Any water v ii. Describe an iii. Visible con <b>. Auxiliary (E</b> i. Noticeable c ii. Animal activ	able problems with debris? <u>None</u> gate present? Gate isibly flowing or leaking outside of the discharge pipe? <u>None</u> ny deflection or damage observed to the pipe: <u>None</u> dition of outlet channel: <u>Appears Stable</u> mergency) Spillway obstructions to flow? <u>None</u>

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

#### 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:

Brush and small trees should be removed from that portion of the downstream slope. Area of seepage should be routinely

monitored for changes in flow and turbidity.

# **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.

#### 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.

		nspection Report for South Carol ams and Impoundment Structure Regulations R.72-1 through R.72-9
Section I (Ov	vner's Information)	
A. Dam Number	D 2145 & Hazard Class <u>C1</u>	B. Name of Dam: <u>Selvem Lake</u>
C. Inspection Da	te ( <u>12/18/20 14</u> ) & Time: <u>1645</u>	D. Date of Last Inspection: (01 / 18 /2012 _)
E. Location-Cou	nty/City: <u>Aiken / New Holiand</u>	F. EQC Regional Office: Midlands Aiken
G. Inspector's N	ame: Josh Yon	
H. Owner's Nam	e: Bill Sittel/ Lanny Hudson	
I. Contact Person	n (if different from above):	<del></del>
J. Dam Owner's	or Contact Person's Phone Numbers:	Home ( <u>803_)_564</u> - <u>3737</u> _
		Office ( )
K. Dam Owner's	or Contact Person's mailing address:	Other ()
Address 1 _80	Lake Selvem Road	
	-	
	) Lake Selvem Road ptional) 108 Lake Selvem Road	te <u>SC</u> Zip Code <u>29006</u>
Address 2 (o City <u>Batesburg</u> Section II (Da General Conditi a) Satisfact Section III (Da A. Dam Crest i. Vegetation (g	D Lake Selvem Road   ptional) 108 Lake Selvem Road	lowing):
Address 2 (o City <u>Batesburg</u> Section II (Da General Conditi a) Satisfact Section III (Da A. Dam Crest i. Vegetation (g ii. Animal activit	D Lake Selvem Road   ptional) 108 Lake Selvem Road	lowing):
Address 2 (o City <u>Batesburg</u> Section II (Da General Conditi a) Satisfact Section III (Da A. Dam Crest i. Vegetation (g ii. Animal activi iii. Any obvious	D Lake Selvem Road   ptional) 108 Lake Selvem Road , Standard Condition) on Assessment (Select one of the follory b) Fair C c) Poor and Inspection Checklist) grass, trees weeds)? Grass ty observed? None alteration or repairs made? None	lowing):
Address 2 (o City <u>Batesburg</u> Section II (Da General Conditi a) Satisfact Section III (Da A. Dam Crest i. Vegetation (g ii. Animal activi iii. Any obvious iv. Erosion noti	D Lake Selvem Road   ptional) 108 Lake Selvem Road , Standard Condition) on Assessment (Select one of the follory b) Fair C c) Poor and Inspection Checklist) grass, trees weeds)? Grass ty observed? None alteration or repairs made? None	lowing): ] d) Unsatisfactory [e) Not Rated [

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Brush (Fair Visibility)
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 / Small Trees (Fair Visibility)
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? N/A
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: appear to be turbid.
D. Primary Spiliway 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? Gate
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? None visible but seepage observed near pipe.
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? 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
150 0004 (Day 44/0044)

	F.	Auxiliary	(Emergency)	Spillwav	continued
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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 Observed.

#### 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:

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

While it doesn't appear to be carrying material seepage near outlet pipe is concerning and should be monitored closely.

## **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.

# 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.

ROMOTE PROTECT PROSPER	Preliminary Inspection Report for South Caro Regulated Dams and Impoundment Structur Regulations R.72-1 through R.72-9
Section I (Owner's Info	ormation)
A. Dam Number: <b>D</b> <u>0832</u>	& Hazard Class <u>S1</u> B. Name of Dam: Fiorence Hall
C. Inspection Date (12/18/2	20 <u>14</u> ) & Time: 1545 D. Date of Last Inspection: (01 / 18 / 2012
E. Location-County/City: <u>Aiker</u>	F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon	
H. Owner's Name: Rae Hali	
I. Contact Person (if different	t from above):
J. Dam Owner's or Contact F	Person's Phone Numbers: Home (803_) _532357
	Office (803) 532- 1030
K. Dam Owner's or Contact I Address 1 <u>1392 Nazerene Ca</u>	
City Batesburg	, State <u>SC</u> Zip Code <u>29006</u>
City Batesburg Section II (Dam Condit General Condition Assess	, State <u>SC</u> Zip Code <u>29006</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated
City Batesburg Section II (Dam Condit General Condition Assess a) Satisfactory	, State <u>SC</u> Zip Code <u>29006</u> <u>tion)</u> ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated <u>ction Checklist)</u>
City Batesburg          Section II (Dam Condit         General Condition Assessmal         a) Satisfactory         Section III (Dam Inspect         A. Dam Crest	, State <u>SC</u> Zip Code <u>29006</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated ction Checklist) weeds)? <u>Grass</u>
City Batesburg          Section II (Dam Condit         General Condition Assessment         a) Satisfactory         Section III (Dam Inspect         A. Dam Crest         i. Vegetation (grass, trees of the section grass)	, State <u>SC</u> Zip Code <u>29006</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated ction Checklist) weeds)? <u>Grass</u>
City Batesburg          Section II (Dam Condit         General Condition Assessment         a) Satisfactory         Section III (Dam Inspect         A. Dam Crest         i. Vegetation (grass, trees         ii. Animal activity observed	, State <u>SC</u> Zip Code <u>29006</u> tion) ment (Select one of the following): b) Fairc) Poord) Unsatisfactorye) Not Rated b) Fairc) Poord) Unsatisfactorye) Not Rated ction Checklist) weeds)? <u>Grass</u> ? <u>None</u> r repairs made? <u>None</u>

# Section III (Dam Inspection Checklist) continued

	Animal activity observed? Small path to water near left side of dam.
iii.	Any obvious alterations or repairs made? None
iv. I	Erosion observed on upstream slope? None
v. 8	Settlement or cracks visible in slope? None
	own Stream Slope
i. N	/egetation (grass, trees weeds)? Weeds / Very Small Trees (visibility fair)
ii. 4	Animal activity observed? None
iii.	Any obvious alterations or repairs made? None
iv.	Erosion observed on down stream slope? None
v. 8	Settlement or cracks visible in slope? None
vi.	Toe drains flowing? NA
	Any seepage observed? If so, describe location, None v rate, and any turbidity or color within the flow:
P	rimary Spillway
	ny visible deterioration of structure? Trash rack obstructs view of entire riser structure
ii. I	ny visible deterioration of structure? Trash rack obstructs view of entire riser structure s there an obvious need to repair or replace trash rack? None
iii. A	s there an obvious need to repair or replace trash rack? None
iii. A	s there an obvious need to repair or replace trash rack? None
iii. iv. E. C	s there an obvious need to repair or replace trash rack? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Putlet Pipe
iii. iv. E. C i. A	s there an obvious need to repair or replace trash rack? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Dutlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>Outlet piped hundreds of feet to an area on an</u>
iii. / iv. E. C i. A	s there an obvious need to repair or replace trash rack? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Putlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>Outlet piped hundreds of feet to an area on an</u> nty which could not be accessed.
iii. / iv. E. C i. A	s there an obvious need to repair or replace trash rack? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Dutlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>Outlet piped hundreds of feet to an area on an</u>
iii. iv. E. C i. A prope	s there an obvious need to repair or replace trash rack? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Putlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>Outlet piped hundreds of feet to an area on an</u> nty which could not be accessed.
iii. iv. iv. i. A prope ii. [	Any noticeable problems with debris? <u>None</u> Any noticeable problems with debris? <u>None</u> Is valve or gate present? <u>No</u> Dutlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>Outlet piped hundreds of feet to an area on an</u> rty which could not be accessed. Describe any deflection or damage observed to the pipe:  Visible condition of outlet channel:
iii. iv. iv. i. A iii. i iii. i	s there an obvious need to repair or replace trash rack? None  Any noticeable problems with debris? None  Is valve or gate present? No  Putlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? Outlet piped hundreds of feet to an area on an rty which could not be accessed. Describe any deflection or damage observed to the pipe:
iii. iv. iv. i. A ii. I iii.	Any noticeable problems with debris? None Any noticeable problems with debris? None Is valve or gate present? No Dutlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? Outlet piped hundreds of feet to an area on an rty which could not be accessed. Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: Utiliary (Emergency) Spillway
iii. / iv. i. A ii. I iii. ' iii. N	s there an obvious need to repair or replace trash rack? None Any noticeable problems with debris? None Is valve or gate present? No
iii. / iv. i. A prope ii. I iii. ' i. N ii. A	s there an obvious need to repair or replace trash rack? None Any noticeable problems with debris? None Is valve or gate present? No Is valve or gate present? No In the transmission of the discharge pipe? Outlet piped hundreds of feet to an area on an area on an area on an area on the transmission of the discharge pipe? Outlet piped hundreds of feet to an area on an area on an area on the transmission of outlet channel: Is valve or gate present? No Is valve or gate present or gate present or gate present? No Is valve or gate present

F. Auxiliary (Emergency) Spilly	vay continued
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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 observed.

#### 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:

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

## **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.

## 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.

	y Inspection Report for South Carolina d Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Information)	· · · · · · · · · · · · · · · · · · ·
A. Dam Number: D <u>1995</u> & Hazard Class <u>c1</u>	B. Name of Dam: Clearwater Lake
C. Inspection Date ( <u>12/19/20</u> 14) & Time: <u>1100</u>	D. Date of Last Inspection: (01 / 12 / 2012 _)
E. Location-County/City: <u>Aiken / Clearwater</u>	F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon	······
H. Owner's Name: Todd Tharpe	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Number	rs: Home ( <u>803_) _441</u> - <u>8868_</u>
	Office (803) 279- 3372
K. Dam Owner's or Contact Person's mailing address Address 1 253 Lake Murray Drive	
Address 2 (optional) City North Augusta	State <u>SC</u> Zip Code <u>29841</u>
Section II (Dam Condition)         General Condition Assessment (Select one of the a) Satisfactory □ b) Fair ✓ c) Poor         Section III (Dam Inspection Checklist)         A. Dam Crest	e following): d) Unsatisfactory e) Not Rated
i. Vegetation (grass, trees weeds)? Mostly grass some	bare areas
ii. Animal activity observed? Some small animal paths or	ross the crest near spillway.
lii. Any obvious alteration or repairs made? None	
iv. Erosion noticed on crest? None	······································
v. Any visible settlement, misalignment or cracks?	None
DHEC 2604 (Rev 11/2011)	

	egetation (grass, trees weeds)?
. /	nimal activity observed? Animal paths across entire dam near spillway
i. 7	Any obvious alterations or repairs made? None
v. E	rosion observed on upstream slope? Minor erosion associated with animal path.
. S	ettlement or cracks visible in slope? None
	egetation (grass, trees weeds)?
i. A	nimal activity observed? Paths near spillway.
ii. 7	Any obvious alterations or repairs made? None
	Erosion observed on down stream slope? Erosion associated with animal paths and what appears to be a vehicle path on tream slope.
	ettlement or cracks visible in slope? None
/i. 1	oe drains flowing? <u>N/A</u>
D.	
. <b>A</b>	imary Spillway         ny visible deterioration of structure?         Crack observed in wall on left side of gates. Needs to be monitored.         there an obvious need to repair or replace trash rack?
. A: i. Is	ny visible deterioration of structure? Crack observed in wall on left side of gates. Needs to be monitored.
. A: i. Is ii. A	ny visible deterioration of structure? <u>Crack observed in wall on left side of gates.</u> Needs to be monitored.
. A i. Is ii. <i>I</i> v. I	Invisible deterioration of structure?       Crack observed in wall on left side of gates. Needs to be monitored.         Intere an obvious need to repair or replace trash rack?       N/A         Invisible problems with debris?       None
. A i. Is ii. <i>I</i> v. I . O . A	there an obvious need to repair or replace trash rack? N/A      N/A      s valve or gate present? Gates
. A i. Is ii. <i>A</i> v. I . O . A	The provided end of the discharge pipe? N/A N/A
. A i. Is ii. / v. I . O . A ii. C ii. N	ny visible deterioration of structure? Crack observed in wall on left side of gates. Needs to be monitored.   There an obvious need to repair or replace trash rack? N/A None None Solution of gate present? Gates Outlet Pipe Ny water visibly flowing or leaking outside of the discharge pipe? N/A Excribe any deflection or damage observed to the pipe: N/A
. A i. Is ii. / . A i. C	ny visible deterioration of structure? Crack observed in wall on left side of gates. Needs to be monitored.   There an obvious need to repair or replace trash rack?   N/A   In there an obvious need to repair or replace trash rack?   N/A   In there an obvious need to repair or replace trash rack?   N/A   In the problems with debris?   None   In the problems with debris? In the problem
. A i. Is ii. A . A ii. C . A ii. No . A	ny visible deterioration of structure? Crack observed in wall on left side of gates. Needs to be monitored.   The structure is the problem of the problem of the problem of gates is valve or gate present? Gates   nullet Pipe   ny water visibly flowing or leaking outside of the discharge pipe?   N/A   visible condition of outlet channel:   Appears to be in good condition.   priceable obstructions to flow?   Some weeds / brush.

F. Auxiliary (Emergency) Spillway
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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 observed

#### 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:

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

Vegetation should also be cleared from emergency spillway. Erosion should be monitored on upstream and downstream

slopes and repaired as necessary. Crack on spillway wall should be monitored to see if it is getting larger.

#### 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.

#### 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.

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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.

ROMOTE PROTECT PROSPER	Preliminary Inspection Report for South Carol Regulated Dams and Impoundment Structure Regulations R.72-1 through R.72-9
Section I (Owner's Info	ormation)
A. Dam Number: D <u>3064</u>	& Hazard Class C1 B. Name of Dam: Lake Edgar Brown
C. Inspection Date ( <u>12/30/2</u>	20 <u>14</u> ) & Time: <u>1320</u> D. Date of Last Inspection: ( <u>01 / 19 / 2012</u> )
E. Location-County/City: Bam	well / F. EQC Regional Office: Midlands Alken
G. Inspector's Name: Josh Yon	
H. Owner's Name: <u>SC DNR</u>	
I. Contact Person (if differen	t from above): Joey Lindler
J. Dam Owner's or Contact F	Person's Phone Numbers: Home ()
	Office ( <u>803</u> ) <u>609</u> - <u>7029</u>
K. Dam Owner's or Contact	Other () Person's mailing address:
Address 1 935 Old Lexington	Line .
	nwy
Address 2 (optional) City <u>Chapin</u> <u>Section II (Dam Condit</u> General Condition Assess	, State <u>SC</u> Zip Code <u>296036</u>
Address 2 (optional) City <u>Chapin</u> Section II (Dam Condit General Condition Assess a) Satisfactory	, State <u>SC</u> Zip Code <u>296036</u> <u>tion)</u> ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City <u>Chapin</u> <u>Section II (Dam Condit</u> General Condition Assess	, State <u>SC</u> Zip Code <u>296036</u> <u>tion)</u> ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City <u>Chapin</u> Section II (Dam Condit General Condition Assess a) Satisfactory	, State <u>SC</u> Zip Code <u>296036</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated ction Checklist)
Address 2 (optional) City <u>Chapin</u> <u>Section II (Dam Condit</u> General Condition Assess a) Satisfactory <u></u> <u>Section III (Dam Inspec</u> A. Dam Crest	, State <u>SC</u> Zip Code <u>296036</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated ction Checklist) weeds)? <u>Paved Roadway</u>
Address 2 (optional) City <u>Chapin</u> <u>Section II (Dam Condit</u> General Condition Assess a) Satisfactory <u>Section III (Dam Inspec</u> <u>A. Dam Crest</u> i. Vegetation (grass, trees	
Address 2 (optional) City <u>Chapin</u> Section II (Dam Condit General Condition Assessing a) Satisfactory Section III (Dam Inspect A. Dam Crest i. Vegetation (grass, trees ii. Animal activity observed	, State <u>SC</u> Zip Code <u>296036</u> tion) ment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated ction Checklist) weeds)? <u>Paved Roadway</u> ? <u>None</u> r repairs made? <u>None</u>

#### stion Checklist) continued 6. 41. l.

. Animal activity observed? None	
i. Any obvious alterations or repairs made? None	······
v. Erosion observed on upstream slope? None	······
. Settlement or cracks visible in slope? None	······································
Deven Ofersom Olege	74.
Down Stream Slope           Vegetation (grass, trees weeds)?           Mostly cut weeds (good visibility)	
. Animal activity observed? None	
i. Any obvious alterations or repairs made? None	
V. Erosion observed on down stream slope? Some erosion on right side	near stormwater ditch.
7. Settlement or cracks visible in slope? None	
i. Toe drains flowing? <u>N/A</u>	
. Any visible deterioration of structure? None	
. Any visible deterioration of structure? None	
Any visible deterioration of structure? None	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u>	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u>	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> Outlet Pipe	? <u>None</u>
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> <b>. Outlet Pipe</b> . Any water visibly flowing or leaking outside of the discharge pipe	? <u>None</u>
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> <b>. Outlet Pipe</b> . Any water visibly flowing or leaking outside of the discharge pipe i. Describe any deflection or damage observed to the pipe:	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> <b>. Outlet Pipe</b> . 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: <u>Good condition</u>	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> <b>. Outlet Pipe</b> . Any water visibly flowing or leaking outside of the discharge pipe i. Describe any deflection or damage observed to the pipe: ii. Visible condition of outlet channel: <u>Good condition</u> <b>Auxiliary (Emergency) Spillway</b>	
Any visible deterioration of structure? <u>None</u> i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> <b>. Outlet Pipe</b> . Any water visibly flowing or leaking outside of the discharge pipe i. Describe any deflection or damage observed to the pipe: ii. Visible condition of outlet channel: <u>Good condition</u> <b>Auxiliary (Emergency) Spillway</b> . Noticeable obstructions to flow? <u>N/A</u>	
i. Is there an obvious need to repair or replace trash rack? <u>None</u> ii. Any noticeable problems with debris? <u>None</u> v. Is valve or gate present? <u>No</u> i. Outlet Pipe . 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: <u>Good condition</u> Auxiliary (Emergency) Spillway	None

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? None observed.

## 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:

Erosion and seepage should be monitored for any changes and addressed as necessary.

## 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.

# 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.

		ry Inspection Report for South Caro ed Dams and Impoundment Structur Regulations R.72-1 through R.72-9
Section I (Owr	ner's Information)	· · · · · · · · · · · · · · · · · · ·
A. Dam Number: I	D <u>3065</u> & Hazard Class <u>C1</u>	B. Name of Dam: Fuller Pond
C. Inspection Date	e ( <u>12/30/20 14</u> ) & Time: <u>1345</u>	
E. Location-Count	y/City: <u>Barnwell /</u>	F. EQC Regional Office: Midlands - Aiken
G. Inspector's Nar	ne: Josh Yon	· · · · · · · · · · · · · · · · · · ·
H. Owner's Name:		
I. Contact Person	(if different from above):	· · · · · · · · · · · · · · · · · · ·
J. Dam Owner's or	r Contact Person's Phone Numbe	ers: Home (803_) 259 - 7990
		Office (803) 259 - 3546
K. Dam Owner's o	r Contact Person's mailing addre	Other ( <u>843</u> ) <u>869</u> <u>-</u> 3709
Address 1 Sout	hern Chemical Haulers, inc.	
Address 2 (opt	tional) PO Box 385	
		State SC Zip Code 29812 -
	n Assessment (Select one of th	
General Condition	n Assessment (Select one of th y b) Fair 🖌 c) Poo	
General Condition a) Satisfactor <u>Section III (Dan</u> A. Dam Crest	n Assessment (Select one of th	
General Condition a) Satisfactor <u>Section III (Dan</u> A. Dam Crest	n Assessment (Select one of the y b) Fair  c) Poo n Inspection Checklist) ass, trees weeds)? Grass	
General Condition a) Satisfactor Section III (Dan A. Dam Crest i. Vegetation (gra ii. Animal activity	n Assessment (Select one of the y b) Fair  c) Poo n Inspection Checklist) ass, trees weeds)? Grass	
General Condition a) Satisfactor Section III (Dan A. Dam Crest i. Vegetation (gra ii. Animal activity	n Assessment (Select one of the select one select one select one select one of the select one of the select	

# Section III (Dam Inspection Checklist) continued

. Animal activ	vity observed? None
i. Any obviou	Is alterations or repairs made? None
v. Erosion obs	served on upstream slope? None
. Settlement (	or cracks visible in slope? None
Down Stream	m Slope
. Vegetation (	(grass, trees weeds)? Brush / Trees (visibility fair)
i. Animal activ	vity observed? Possible animal burrows near outlet structure. Need to be monitored
ii. Any obviou	us alterations or repairs made? None
v. Erosion obs	served on down stream slope? None
. Settlement	or cracks visible in slope? None
vi. Toe drains	flowing? N/A
	ge observed? If so, describe location, Several possible seeps or springs located below two of dam. Clear
flow rate, and	any turbidity or color within the flow: These areas should be monitory for any increase in flow or turbidity
Primary Spi	llucou
	deterioration of structure? None
i. Any visible c	
i. Any visible c ii. Is there an o	deterioration of structure?       None         obvious need to repair or replace trash rack?       None
i. Any visible c ii. Is there an o	deterioration of structure? None
i. Any visible c ii. Is there an c iii. Any noticea	deterioration of structure?       None         obvious need to repair or replace trash rack?       None
i. Any visible c ii. Is there an c iii. Any noticea	deterioration of structure?       None         obvious need to repair or replace trash rack?       None         able problems with debris?       None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>. Outlet Pipe</b>	deterioration of structure?       None         obvious need to repair or replace trash rack?       None         able problems with debris?       None         gate present?       None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>. Outlet Pipe</b>	deterioration of structure?       None         obvious need to repair or replace trash rack?       None         able problems with debris?       None         gate present?       None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>E. Outlet Pipe</b> i. Any water vi	deterioration of structure?       None         obvious need to repair or replace trash rack?       None         able problems with debris?       None         gate present?       None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water vi ii. Describe ar	deterioration of structure? None   obvious need to repair or replace trash rack?   None   able problems with debris?   None   gate present?   None   risibly flowing or leaking outside of the discharge pipe?   None   ny deflection or damage observed to the pipe:   None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water vi ii. Describe ar	deterioration of structure?       None         obvious need to repair or replace trash rack?       None         able problems with debris?       None         gate present?       None         risibly flowing or leaking outside of the discharge pipe?       None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>E. Outlet Pipe</b> i. Any water v ii. Describe ar iii. Visible con	deterioration of structure? None   obvious need to repair or replace trash rack?   None   able problems with debris?   None   gate present?   None   risibly flowing or leaking outside of the discharge pipe?   None   ny deflection or damage observed to the pipe:   None   none none none none none
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water vi ii. Describe ar iii. Visible con <b>. Auxiliary (E</b>	deterioration of structure? None   obvious need to repair or replace trash rack?   None   able problems with debris?   None   gate present?   None   risibly flowing or leaking outside of the discharge pipe?   None   ny deflection or damage observed to the pipe:   None
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water v ii. Describe ar iii. Visible con <b>. Auxiliary (E</b> i. Noticeable c	deterioration of structure? None   obvious need to repair or replace trash rack?   None   able problems with debris?   None   gate present?   None   risibly flowing or leaking outside of the discharge pipe?   None   ny deflection or damage observed to the pipe:   None   none
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water vi ii. Describe ar iii. Visible con <b>. Auxiliary (E</b> i. Noticeable c ii. Animal activ	deterioration of structure? None   obvious need to repair or replace trash rack? None   able problems with debris? None gate present? None risibly flowing or leaking outside of the discharge pipe? None ny deflection or damage observed to the pipe: None n
i. Any visible c ii. Is there and iii. Any noticea iv. Is valve or <b>c. Outlet Pipe</b> i. Any water vi ii. Describe ar iii. Visible con <b>. Auxiliary (E</b> i. Noticeable c ii. Animal activ	deterioration of structure? None   obvious need to repair or replace trash rack? None able problems with debris? None gate present? None or sibly flowing or leaking outside of the discharge pipe? None ny deflection or damage observed to the pipe: None notification of outlet channel: Good Spillway Obstructions to flow? None

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 Noticed.

N/A

#### 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 larger trees should be evaluated and any dead or dying trees removed. Possible seeps and burrowing need to be

monitored for any changes.

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