



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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

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INSPECTION REPORT

Date January 9, 2013

Dam D-0004 Vaocluse 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.

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 No

Signature of Person Completing Form

Scott L. Simons



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass / Some Brush
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Significant wind wave erosion / sloughing noticed on a large section of the dam just south of the emergency spillway.
- v. Settlement or cracks visible in slope? A large crack was noted in the wingwall at the emergency spillway as well as in the structure for Allnex fire water intake.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass along western section of dam. Large trees on southern section (along railroad). Several large tree stumps on the downstream slope left of the primary spillway need to be removed.
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Significant erosion noted along left side of primary spillway needs to be addressed.
- 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: Large boil and several smaller boils have previously been observed just downstream of the spillway on the left side. A small boil was also observed under the sheet piling near the right side. All were carrying material. *see comments

D. Primary Spillway

- i. Any visible deterioration of structure? Leaking observed in ogee spillway in what appears to be a construction joint.
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? None
- iv. Is valve or gate present? Two sets of gates are present on the primary spillway. The structure for the lower gates has deteriorated and the gates are not functional.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? N/A
- ii. Describe any deflection or damage observed to the pipe: N/A
- iii. Visible condition of outlet channel: Erosion observed in outlet channel due to activities associated with lowering pond level.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

F. Auxillary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? N/A

vi. If applicable, any visible leakage below concrete spillway? N/A

H. Downstream/Hazard Class Issues

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

iii. 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 boils, 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 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.



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

February 13, 2013

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:

1. 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.

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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, simonssl@dhec.sc.gov, 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: Bill Chaplin, Bureau of Water – SCDHEC
Roger Boyd, 507 Rennie St., Graniteville, SC 29829



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 - EQC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

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INSPECTION REPORT

Date January 7, 2013

Dam (D-2050) Oakman Lake Dam), 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:

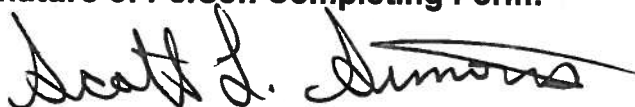
None

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:





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 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

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INSPECTION REPORT

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

Items requiring correction/checking:

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 damage to the dam due to leakage.
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:

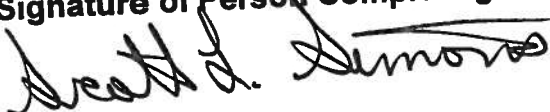
N/A

General Recommendations:

1. There are bare areas on the western downstream slope near the crest. Monitor these areas for erosion and stabilize as necessary.
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).
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:



DHEC 2604 (6/94)



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.

Sincerely,

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

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

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INSPECTION REPORT

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:



DHEC 2604 (6/94)



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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

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INSPECTION REPORT

Date: January 7, 2013

Dam (D 4368) Spalding Lake Dam,
Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Wesley Elijah
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

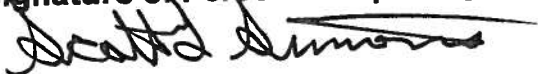
General Recommendations:

1. Wind wave erosion appears to be occurring along the upstream slope in the vicinity of the spillway. Condition should be evaluated and stabilized/repared 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:



DHEC 2604 (6/94)



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 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

cc: Bill Chaplin, Bureau of Water – SCDHEC

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INSPECTION REPORT

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:

Scott L. Simons



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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

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INSPECTION REPORT

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:

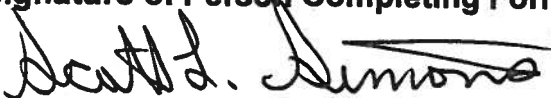
Canal dike needs cutting 2011
Aquatic animal activity 2011

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:



DHEC 2604 (6/94)



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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.

Sincerely,

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

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

INSPECTION REPORT

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.

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

Scott L. Simons

DHEC 2604 (6/94)



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.

Sincerely,

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

cc: Bill Chaplin, Bureau of Water – SCDHEC

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INSPECTION REPORT

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

Scott L. Simons



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

Section I (Owner's Information)

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

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? Some wave erosion. Only visible because the pond is very low
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

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

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Not visible due to thick vegetation.
- ii. Describe any deflection or damage observed to the pipe: Not visible.
- iii. Visible condition of outlet channel: Clear.

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? N/A

vi. If applicable, any visible leakage below concrete spillway? N/A

H. Downstream/Hazard Class Issues

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

None apparent.

I. Emergency Action Plan (EAP)

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

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

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

Section IV (Conclusions)

General comments and recommendations:

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

Preliminary Dam Inspection Disclaimer:

The information contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenance and/or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or consulting advice for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the need for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with engineering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of Health and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either express or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. All findings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam owners are responsible for the safe operations and maintenance of their impoundment structures.



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

Section I (Owner's Information)

A. Dam Number: D 0874 & Hazard Class C1
B. Name of Dam: Lake Huntington Dam
C. Inspection Date (01/24/2014) & Time: 10:30
D. Date of Last Inspection: (02/10/2012)
E. Location-County/City: Edgefield / North Augusta
F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Lake Huntington Inc
I. Contact Person (if different from above): Mike Morgenstern
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office (803) 725 - 9651 Other (803) 441 - 8964
K. Dam Owner's or Contact Person's mailing address: Address 1 1 Filntlock Drive Address 2 (optional) City North Augusta, State SC Zip Code 29860

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? County road - asphalt
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? Cracks in asphalt

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass, leaves, rip-rap
- 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 slope
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? Yes

C. Down Stream Slope

- i. Vegetation (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? Yes
- v. Settlement or cracks visible in slope? Yes
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: There was a stump hole with water it in - but I do not think this is seepage. Monitor this area closely and please let me know if you see flowing water.

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxillary (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? No
- iii. Any noticeable deterioration in the approach or discharge channel? No
- iv. Any visible deterioration of structure's crest? No

F. Auxillary (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.

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass, weeds, briars, trees
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Upstream slope could not be completely inspected properly due to the abundance of unwanted vegetation. Erosion was noted on the upstream slope.
- v. Settlement or cracks visible in slope? Upstream slope could not be completely inspected properly due to the abundance of unwanted vegetation. It appears that two slides have appeared on the front slope - adjacent to the right edge of the reservoir.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, briars
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Down stream slope could not be inspected properly due to the abundance of unwanted vegetation. Erosion was noted (on sections that could be inspected).
- 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.
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Down stream slope could not be inspected properly due to the abundance of unwanted vegetation. Seepage was not noted as the inspector walked the toe of the dam.

D. Primary Spillway

- i. Any visible deterioration of structure? No
- ii. Is there an obvious need to repair or replace trash rack? No
- iii. Any noticeable problems with debris? No
- iv. Is valve or gate present? Unsure - there might be a stem.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Could not get close enough to see
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Water does not appear to be flowing under the downstream road. Please ensure water has a clear path away from the dam.

F. Auxilliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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 Hylar.

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.

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass, weeds, briars
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? Upstream slope could not be inspected properly due to the abundance of unwanted vegetation.
- iv. Erosion observed on upstream slope? Upstream slope could not be inspected properly due to the abundance of unwanted vegetation.
- v. Settlement or cracks visible in slope? Upstream slope could not be inspected properly due to the abundance of unwanted vegetation.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, briars
- 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.
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Down stream slope could not be inspected properly due to the abundance of unwanted vegetation.

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? No
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Mostly clear. Bubbling just downstream of toe drain system piping. This must be investigated.
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
- iii. Any noticeable deterioration in the approach or discharge channel? No
- iv. Any visible deterioration of structure's crest? No

F. Auxiliary (Emergency) Spillway continued

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

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:

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass; rip-rap at waters edge
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on upstream slope? No
- v. Settlement or cracks visible in slope? Several areas of settlement have occurred 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 immediately if you notice any size changes.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass and large trees just downstream of the toe of the dam.
- 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)
- iv. Erosion observed on down stream slope? Yes. Area underneath the irrigation structure on the backslope is eroding.
- v. Settlement or cracks visible in slope? Several areas of settlement have occurred 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 immediately if you notice any size changes.
- vi. Toe drains flowing? N/a
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: No

D. Primary Spillway

- i. Any visible deterioration of structure? No.
- ii. Is there an obvious need to repair or replace trash rack? No.
- iii. Any noticeable problems with debris? Tree growing against the side of the trash rack.
- iv. Is valve or gate present? Not visible.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Not that I could see.
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Clear

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? A birch tree is in the path of the water on the back slope.
- ii. Animal activity observed? No.
- iii. Any noticeable deterioration in the approach or discharge channel? No.
- iv. Any visible deterioration of structure's crest? No.

F. Auxiliary (Emergency) Spillway continued

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

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.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass / Few Planted Trees
- ii. Animal activity observed? Some digging observed near roots of one of the trees.
- 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)? Mostly Grass / Area of Brush and Small Trees (Visibility Fair)
- 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: Minor seepage observed on left side of dam near emergency spillway. Seepage not turbid.

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

F. Auxillary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? N/A

vi. If applicable, any visible leakage below concrete spillway? N/A

H. Downstream/Hazard Class Issues

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

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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



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

Section I (Owner's Information)

A. Dam Number: D 2145 & Hazard Class C1 B. Name of Dam: Selvern Lake
C. Inspection Date (12/18/2014) & Time: 1645 D. Date of Last Inspection: (01/18/2012)
E. Location-County/City: Aiken / New Holliand F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Bill Sittel/ Lanny Hudson
I. Contact Person (if different from above): _____
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 564 - 3737
Office (____) ____ - ____
Other (____) ____ - ____
K. Dam Owner's or Contact Person's mailing address:
Address 1 80 Lake Selvern Road
Address 2 (optional) 108 Lake Selvern Road
City Batesburg State SC Zip Code 29006 - ____

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made? None
iv. Erosion noticed on crest? None
v. Any visible settlement, misalignment or cracks? None

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: Apparent seepage right of outlet structure between outlet and emergency spillway. Additional seepage notice beside outlet pipe. Neither of which appear to be turbid.

D. Primary Spillway

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

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 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:

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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



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

Section I (Owner's Information)

A. Dam Number: D 0832 & Hazard Class S1 B. Name of Dam: Florence Hall
C. Inspection Date (12/18/2014) & Time: 1545 D. Date of Last Inspection: (01/18/2012)
E. Location-County/City: Aiken / Batesburg F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Rae Hall
I. Contact Person (if different from above): _____
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 532 - 3357
Office (803) 532- 1030
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 1392 Nazerene Campground
Address 2 (optional) _____
City Batesburg State SC Zip Code 29006 - _____

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made? None
iv. Erosion noticed on crest? None
v. Any visible settlement, misalignment or cracks? None

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Brush / Weeds (fair visibility)
- ii. Animal activity observed? Small path to water near left side of dam.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Weeds / Very Small Trees (visibility fair)
- 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: None

D. Primary Spillway

- i. Any visible deterioration of structure? Trash rack obstructs view of entire riser structure
- 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? No

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Outlet piped hundreds of feet to an area on another property which could not be accessed.
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: _____

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

F. Auxillary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? N/A

vi. If applicable, any visible leakage below concrete spillway? N/A

H. Downstream/Hazard Class Issues

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

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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



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

Section I (Owner's Information)

A. Dam Number: D 1995 & Hazard Class C1 B. Name of Dam: Clearwater Lake

C. Inspection Date (12/19/2014) & Time: 1100 D. Date of Last Inspection: (01/12/2012)

E. Location-County/City: Aiken / Clearwater 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 Numbers: Home (803) 441 - 8868
Office (803) 279 - 3372
Other (____) _____

K. Dam Owner's or Contact Person's mailing address:

Address 1 253 Lake Murray Drive

Address 2 (optional) _____

City North Augusta, State SC Zip Code 29841 - _____

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Mostly grass some bare areas
- ii. Animal activity observed? Some small animal paths cross the crest near spillway.
- iii. Any obvious alteration or repairs made? None
- iv. Erosion noticed on crest? None
- v. Any visible settlement, misalignment or cracks? None

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Thick Brush (Fair Visibility)
- ii. Animal activity observed? Animal paths across entire dam near spillway
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Minor erosion associated with animal path.
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? This Brush / Some Trees (Poor Visibility)
- ii. Animal activity observed? Paths near spillway.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Erosion associated with animal paths and what appears to be a vehicle path on downstream slope.
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None

D. Primary Spillway

- i. Any visible deterioration of structure? Crack observed in wall on left side of gates. Needs to be monitored.
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? None
- iv. Is valve or gate present? Gates

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Some weeds / brush.
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

F. Auxiliary (Emergency) Spillway continued

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

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass
- 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)? Mostly cut weeds (good visibility)
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some erosion on right side near stormwater ditch.
- 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: Possible seepage noticed near toe at right end near stormwater outfall. Erosion is minimal and appears clear.

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxillary (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? _____

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.

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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



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

Section I (Owner's Information)

A. Dam Number: D 3065 & Hazard Class C1 B. Name of Dam: Fuller Pond
C. Inspection Date (12/30/2014) & Time: 1345 D. Date of Last Inspection: (01/19/2012)
E. Location-County/City: Barnwell / _____ F. EQC Regional Office: Midlands - Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Clinton Lemon
I. Contact Person (if different from above): _____
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 259 - 7990
Office (803) 259 - 3546
Other (843) 869 - 3709
K. Dam Owner's or Contact Person's mailing address:
Address 1 Southern Chemical Haulers, Inc.
Address 2 (optional) PO Box 385
City Barnwell State SC Zip Code 29812 - _____

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made? None
iv. Erosion noticed on crest? None
v. Any visible settlement, misalignment or cracks? None

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Weeds (Visibility fair)
- 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 / Trees (visibility fair)
- ii. Animal activity observed? Possible animal burrows near outlet structure. Need to be monitored
- 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: Several possible seeps or springs located below two of dam. Clear. These areas should be monitory for any increase in flow or turbidity.

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? None
- iii. Any noticeable deterioration in the approach or discharge channel? None
- iv. Any visible deterioration of structure's crest? None

F. Auxiliary (Emergency) Spillway continued

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

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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