



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 18, 2013

City of Aiken
Larry Morris
PO Box 1177
Aiken, SC 29802

Re: Reinspection of Dam D-4029, Mallard Lake Dam, Aiken County

Dear Mr. Myers:

This office performed a routine inspection of the Mallard Lake Dam on February 12, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to maintenance at the discharge pipe. 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 Mallard Lake Dam will be inspected again in three (3) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803) 641-7670.

Sincerely,

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

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

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INSPECTION REPORT

Date February 12, 2013

Dam D-4029, Mallard Lake Dam, Aiken County

Representatives of SCDHEC Present:
Scott L. Simons

Representatives of Owner Present:
Tim Bledsoe

Items requiring correction/checking:

1. The excess vegetation around the spillway outlet pipe should be removed to allow a thorough inspection of the outlet pipe.

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

1. Vegetation cleared from around spillway outlet pipe. 2010

General Recommendations:

1. Continue to remove vegetation from the upstream and downstream slopes.
2. Outlet channel should be monitored for erosion and repaired as necessary
3. Emergency spillway is sparsely grassed. Monitor for erosion and repair as necessary.

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

March 20, 2010
2013

Mr. & Mrs. Gorman Ridgely
182 Waters Edge Drive
Aiken, SC 29803

Re: Reinspection of D-2137, Ridgely Pond Dam, Aiken County

Dear Mr. & Mrs. Ridgely:

This office performed a routine inspection of the Ridgely Pond Dam on February 6, 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 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 Ridgely Pond Dam will be inspected again in three (3) 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

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date February 6, 2013

Dam D-2137 Ridgely Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Mr. Gorman Ridgely

Items requiring correction/checking:

None, other than those listed in general recommendations.

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

None.

Outlet channel has been stabilized. Emergency spillway has been lined with concrete. Downstream slope has had rip rap applied to aide in control of erosion in the event of the dam over topping.

General Recommendations:

1. During inclement weather it may be necessary and is common practice, to reduce the level in a pond to ensure adequate free board for excessive rain events. During the inspection it was observed the outlet barrel and riser pipe are grouted/cemented/sealed to conveyance of water. If there is no mechanism to alter the normal pond level, it is recommended some type of contingency plan be developed in the event it would be necessary to alter the pond's normal pool level for emergency reasons.
2. During the inspection, trees were observed on the downstream slope. Trees are detrimental to the structural integrity of a dam and should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.
3. It is recommended that any of the dam's appurtenances, specifically the siphon system since it is primary, be monitored/appropriately evaluated on a regular basis to ensure proper operation and in acceptable working condition. Repairs to be implemented as necessary.
4. Continue cutting/removing vegetation/brush from/maintaining up & downstream slope, crest and the emergency spillway on a regular basis. Recommended annually.
6. Potential aquatic animal activity/traffic was observed. Monitor for any impact and or burrowing into the dam. A corrective action plan should be implemented as necessary to maintain the integrity of the dam.

Emergency Action Plan Updated No

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 20, 2013

Mr. Johnny Spears
317 Savannah Dr.
Aiken, SC 29803

Re: Reinspection of D-2134 (swim lake), Gem Lakes Estates, Aiken County

Dear Mr. Spears:

This office performed a routine inspection of this Gem Lakes Estates Dam on February 6, 2013. The dam appear 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 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.

This Gem Lakes Estates Dam will be inspected again in three (3) 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

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date February 6, 2013

Dam D-2134, (swim lake), Gem Lakes Estates Dams, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Johnny Spears

Items requiring correction/checking:

None other than recommendations below.

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

None.

General Recommendations:

1. Evidence of potential aquatic animal activity/traffic/potential burrowing was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan/repairs should be implemented as necessary to maintain the integrity of the 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

March 20, 2013

Mr. Cody Greene, Director
Camp Long
82 Camp Long Rd.
Aiken, SC 29805

Re: Reinspection of Dam D-0821, Camp Long Lake Dam, Aiken County

Dear Mr. Greene:

This office performed a routine inspection of the Camp Long Lake Dam on January 29, 2013. The dam appears to be in 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 dam ever experience difficulty.

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 Dam will be inspected again in three (3) 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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date January 29, 2013

Dam D-0821, Camp Long Lake Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Terry Huet

Items requiring correction/checking:

1. Monitor the cavity behind the spillway northern wing wall on the downstream side. Should any seepage be noted coming from the cavity or if muddy water is noted coming from the general area, contact DHEC.

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

None.

General Recommendations:

1. Continue removing brush/weeds from the upstream slope, the downstream slope, and around/at the spillway/wing walls of the dam.
2. Monitor the leak between the spillway boards. If the flow becomes worse repair /evaluation may be necessary.
3. Small area of slumping in an area 20 to 30 feet south of the fire water extraction pipe on the upstream slope. Monitor for further deterioration or if any aquatic animal activity is noted in the area. If condition progresses an evaluation will be need to be performed.

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

March 18, 2013

Mr. Plato Kneece
4396 Wire Rd.
Batesburg, SC 29006

Re: Inspection of Dam D-0740, Kneece's Dam, Aiken County

This office performed a routine inspection of the Kneece's Dam on February 12, 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 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 Kneece Dam will be inspected again in three (3) 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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date February 12, 2013

Dam D-0740, Kneece's Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Mr. Kneece

Items requiring correction/checking:

None

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

None

General Recommendations:

1. Downstream wing walls should be monitored on a regular basis and repaired as necessary. Should any further deterioration and/or seepage be noted immediate action may be necessary.
2. Upstream wing wall on the south side of the spillway appears to be separating slightly. Monitor and if any slumping/seepage is noticed area should be evaluated and/or corrected.
3. Continue monitoring for aquatic animal activity/trails, areas impacted should be filled with appropriate soil and stabilized.
4. Monitor bare areas and stabilize/grass as necessary.
4. Continue maintaining the dam in good condition by cutting the grass and/or small vegetation (brush and trees less than 6" in diameter should be removed as necessary).

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

March 18, 2013

Charles Copley
28295 US Hwy 76
Kinards, SC 29355

Re: Reinspection of Dam D-0706, Copley Pond Dam, Aiken County

Dear Mr. Copley:


This office performed a routine inspection of the Copley Pond Dam on February 12, 2013. The dam appears to be functioning adequately, but the dam received a "Fair" rating due to some potential problems with/around the outlet pipe. 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 Copley Pond Dam will be inspected again in three (3) 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
Nancy Stahl, 1077 Frog Pond Rd., Hawassee, GA 30546

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INSPECTION REPORT

Date February 12, 2013

Dam D-0706, Copley Pond Dam, Aiken County

Representatives of SCDHEC Present:
Scott L. Simons

Representatives of Owner Present:
Charles Copley
Cam Copley

Items requiring correction/checking:

1. The excess vegetation/brush around the spillway outlet pipe should be cut/removed to allow a thorough inspection of the outlet pipe.
2. The outlet pipe should be evaluated and any necessary repairs made as soon as possible. Until repairs are completed the outlet pipe situation should be routinely monitored. Erosion around the outlet pipe has exposed several feet of pipe behind the headwall and the headwall is no longer functioning. The corrugated metal pipe appears to have deteriorated to the point rust holes have formed in it. Appears there is some low flow seepage around the bottom of the outlet pipe and unable to determine if it is groundwater or if it's coming from inside the deteriorated pipe. If the seepage flow increases or becomes muddy, the water level in the pond should be reduced and contact DHEC. For any questions concerning repair or necessary permitting, please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov.

It is the expectation a thorough evaluation will be completed and repairs initiated prior to the next inspection or further compliance measures may be taken.

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

1. Clear brush at outlet pipe and downstream slope above. 2010
2. Evaluation of the condition of the outlet pipe and measures to stabilize around the outlet. 2010

General Recommendations:

1. Weeds, brush and all trees less than should be cut/removed from the downstream and upstream slope on a regular basis (recommended minimum annually). For any questions concerning tree stump removal and necessary permitting, please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov.
2. Remove debris from trash rack on a routine basis.
3. Evidence of aquatic animal activity/traffic was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan should be implemented as necessary to maintain the integrity of the dam.

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

March 19, 2013

Sudlow Lake Association
Dennis Carter
149 Sudlow Lane
Graniteville, SC 29829

Re: Reinspection of Dam D-1993, Sudlow Lake Dam, Aiken County

Dear Mr. Carter:

This office performed a routine inspection of the Sudlow Lake Dam on January 29, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to some necessary maintenance. 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 Sudlow Lake Dam will be inspected again in three (3) 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 Simons
Dam Safety Program
Region 5, Aiken EQC

cc: Bill Chaplin, Bureau of Water – SCDHEC
Frank Cogburn 218 Sudlow Ln, Graniteville, SC 29829

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INSPECTION REPORT

Date January 29, 2013

Dam D-1993, Sudlow Lake Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Lin Peeples

Frank Cogburn

Items requiring correction/checking:

1. Time for brush/small trees to be cut/removed from around the spillway structure.
2. Some trees have been planted on the dam near the spillway. Trees are detrimental to the structural integrity of the dam. They should be relocated/removed from the dam before the root system becomes significant.
3. Appears there are some leaks developing in the upper portion of the spillway. Condition should be monitored/evaluated and repairs made as necessary
4. Leakage around drain gate/drain structure and within drain tunnel should be evaluated and/or repaired as necessary. At a minimum the situation should be monitored regularly and action taken if the condition becomes worse.

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

None.

General Recommendations:

1. There are large trees on the downstream slope. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.
2. Continue monitoring of retaining wall on west end of spillway and continue repairs/stabilization as necessary.

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

September 11, 2012

Mr. James Bryant
City of Aiken
P.O. Box 1177
Aiken, SC 29802

Re: Reinspection of Dam D-4070, Aiken Reservoir Dam, Aiken County

Dear Mr. Bryant:

This office performed a routine inspection of the Aiken Reservoir Dam on March 19, 2012. 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 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 Aiken Reservoir Dam will be inspected again in three (3) 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
Larry Morris, City of Aiken

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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INSPECTION REPORT

Date March 19, 2012

Dam D-4070, Aiken Reservoir Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons
Brittney Ennis

Representatives of Owner Present:

James Bryant
Tim Bledsoe

Items requiring correction/checking:

None, except for the recommendations below.

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

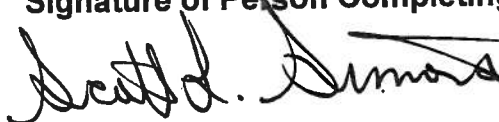
None.

General Recommendations:

1. Continue to remove vegetation from the crest, upstream slope, the downstream slope, and the emergency spillway of the dam on a routine basis. Recommended annually.
2. Some seepage/drainage was noted in the northern groin area. If the seepage/flow in this area increases or becomes muddy, call DHEC.
3. Erosion due to rain runoff is occurring adjacent to/near the spillway discharge structure. This area should be monitored and repaired/stabilized as necessary.

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

March 20, 2013

Mr. Jim Summers
50 Stephens Estate
North Augusta, SC 29841

Re: Reinspection of Dam D-2023, Laurel Lake Dam, Aiken County

Dear Mr. McDonald:

This office performed a routine inspection of the Laurel Lake Dam on January 29, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to issues with the spillway system. 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 Laurel Lake Dam will be inspected again in three (3) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803) 641-7670.

Sincerely,

Scott L. Simons
Dam Safety Program
Region 5 Aiken EQC

Enclosures

cc: Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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INSPECTION REPORT

Date January 29, 2013

Dam D-2023, Laurel Lake Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

None.

Items requiring correction/checking:

1. During the inspection it was noted that the lack of primary spillway structure/system has not been corrected as requested in the previous inspection. Water is continuously draining through the emergency spillway. Current siphon system may not be adequate. Various options should be evaluated and repairs to re-establish functionality of a principal spillway system. Priority should be placed on correcting the situation. Since this dam is regulated as a Class II dam under the State Dams and Reservoirs Safety Act, please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.

2. Area near the end of the emergency spillway under adjoining property driveway is experiencing significant erosion due to continuous flow through the emergency spillway. Situation should be evaluated and repairs conducted as necessary to stabilize.

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

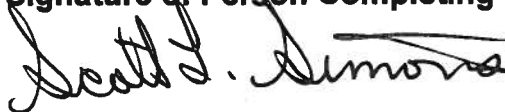
1. Correction of primary spillway. 2010
2. Stabilization/repair of erosion in the emergency spillway. 2010

General Recommendations:

1. Vegetation, should be cut/removed from the crest, downstream and upstream slope on a regular basis (recommended minimum annually).

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

March 20, 2013

Mr. Johnny Spears
317 Savannah Dr.
Aiken, SC 29803

Re: Reinspection of D-4184 (lower lake), Gem Lakes Estates, Aiken County

Dear Mr. Spears:

This office performed a routine inspection of this Gem Lakes Estates Dam on February 6, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to some needed maintenance. 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 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.

This Gem Lakes Estates Dam will be inspected again in three (3) 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

cc: Bill Chaplin, Bureau of Water – SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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INSPECTION REPORT

Date February 6, 2013

Dam D-4184, (lower lake), Gem Lakes Estates Dams, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Johnny Spears

Items requiring correction/checking:

1. Wooden headwall at the outlet of discharge pipe appears to have some deterioration. Situation should be evaluated and action taken as necessary to maintain integrity.
2. Evidence of aquatic animal activity/traffic was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan should be implemented as necessary to maintain the integrity of the dam. Minor burrowing was noticed on the downstream slope near the outlet and potentially behind the spillway riser. Situation should be investigated and action taken as necessary.
3. Weeds, brush and small trees should be cut/removed from the downstream & upstream slope and emergency spillway on a regular basis (recommended minimum annually).

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

1. Aquatic animal activity/impact. 2010
2. Evaluate and repair wooden wing wall at outlet of the discharge pipe. 2010

General Recommendations:

1. During the inspection, trees were observed on the downstream slope. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.
2. Clear debris from in front of the spillway on a regular basis. Recommend installing a trash rack on spillway to prevent debris from entering spillway.

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

March 18, 2013

Mr. Jeff Gattis
Houndslake Country Club, Inc.
901 Houndslake Dr.
Aiken, SC 29803

Re: Reinspection of Dam D-4164, Houndslake Country Club Dam, Aiken County

Dear Mr. Gattis:


This office performed a routine inspection of the Houndslake Country Club Dam on February 12, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to deterioration and collapse of the piping below the dam attached to the spillway discharge pipe. 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 Houndslake Country Club Dam will be inspected again in three (3) 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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Region 5

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INSPECTION REPORT

Date February 12, 2013

Dam D-4164, Houndslake Country Club Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Jeff Gattis

Others Present:

None.

Items requiring correction/checking:

1. The spillway discharge pipe has additional pipe attached to it to relay water below the dam across a golf fairway. The pipe has deteriorated and is collapsing causing sinkholes to form. There is potential for this condition to cause blockage in the pipe and uncontrolled impounding of water and subsequent failure of the dam. Repairs should be made as soon as possible. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any needed permitting before any work is performed.

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

None.

General Recommendations:

1. As has been done, continue maintaining the dam in good condition by cutting the grass and/or small vegetation (brush and trees less than 6" in diameter should be removed as necessary).
2. Monitor bare areas on the western end, downstream slope of the dam, stabilize/seed/grass as necessary to prevent erosion.

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

March 20, 2013

Mr. Ronald Williams
177 Sandy Ridge Rd.
Graniteville, SC 29829

Re: Reinspection of Dam D-2041, Rainbowfalls Dam, Aiken County

Dear Mr. Williams:

This office performed a routine inspection of the Rainbow Falls Dam on February 4, 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 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 Rainbow Falls Dam will be inspected again in three (3) 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
Keith Williams, 177 Sandy Ridge Rd, Graniteville, SC 29829

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INSPECTION REPORT

Date February 4, 2013

Dam D-2041, Rainbow Falls Dam, Aiken County

Representatives of SCDHEC Present:
Scott Simons

Representatives of Owner Present:
Keith Williams

Items requiring correction/checking:
None other than listed under recommendations.

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

General Recommendations:

1. As has been done, continue maintaining the dam in good condition by cutting the grass and/or small vegetation (brush and trees less than 6" in diameter should be removed as necessary).
2. Dam is of concrete & block construction on a natural granite bed/foundation. Construction of this type may have seepage under normal circumstances. Monitor seepage in the dam. If flow increases or becomes muddy, notify DHEC and the areas should be evaluated and repaired as necessary to ensure the integrity of the dam.

Emergency Action Plan Updated No

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 20, 2013

Mr. Johnny Spears
317 Savannah Dr.
Aiken, SC 29803

Re: Reinspection of D-4163 (upper lake), Gem Lakes Estates, Aiken County

Dear Mr. Spears:

This office performed a routine inspection of this Gem Lakes Estates Dam on February 6, 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 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.

This Gem Lakes Estates Dam will be inspected again in three (3) 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

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date February 6, 2013

Dam D-4163, (upper lake), Gem Lakes Estates Dams, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Johnny Spears

Items requiring correction/checking:

None other than recommendations below.

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

None.

General Recommendations:

1. Monitor bare area on eastern side of dam where access road is. Stabilize as necessary.
3. Clear trash rack of debris on a routine 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

March 20, 2013

Mr. Barry McDonald
SCE & G
220 Operation Way – MC C221
Columbia, SC 29033

Re: Reinspection of Dam D-2042, Misty Lake Dam, Aiken County

Dear Mr. McDonald:

This office performed a routine inspection of the Misty Lake Dam on January 29, 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 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 Misty Lake Dam will be inspected again in three (3) 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
Tim Miller, SCANA 220 Operation Way, Cayce, SC 29033

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INSPECTION REPORT

Date January 29, 2013

Dam D-2042, Misty Lake Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Tim Miller

Hall Riddle

Items requiring correction/checking:

None.

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

None.

General Recommendations:

1. Dam repaired under permit and in excellent condition. Continue maintaining dam by cutting removing vegetation from the dam on a regular basis, recommended annually.

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

March 20, 2013

Ms. Dorothy Mitchel
3342 Silver Bluff
Aiken, SC 29803

Re: Reinspection of Dam D-1996, Lake Florence Dam, Aiken County

Dear Ms. & Mr. Mitchell:

This office performed a routine inspection of the Lake Florence Dam on February 4, 2013. The spillway structure has failed and the dam is impounding only a small amount of it's potential. The dam received a "Poor" rating. **John Poole of the Department's Dams & Reservoirs Safety and Permitting Program shall be contacted at (803) 898-4212 or pooleja@dhec.sc.gov before initiating any repairs.** 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 Lake Florence Dam will be inspected again in three (3) 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

Mr. Mike Mitchell, 3344 Silver Bluff Road Aiken, SC 29803

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INSPECTION REPORT

Date February 4, 2013

Dam D-1996, Lake Florence Dam, Aiken County

Representatives of SCDHEC Present:
Scott Simons

Representatives of Owner Present:
None.

Note:

During the inspection it was noted that the spillway structure has failed and the dam is impounding only a small amount of it's potential.

Items requiring correction/checking:

1. The spillway should be replaced or the dam breached. The pond should be monitored regularly to ensure unobstructed flow continues until repairs can be made. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.
2. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.

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

Brush and trees needing removal.(1996, 1999, 2001, 2004, 2010)
Spillway failure needing addressing through replacement or breach. 2010

General Recommendations:

1. Debris should be removed from obstructing the flow of water on a regular basis so uncontrolled impoundment of water does not occur.

Emergency Action Plan Updated No

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

February 12, 2013

Don Barnes
Wexford Mill POA
190 Flowing Wells Rd
Wagener, SC 29164

Re: Inspection of Dam D-1994, Neese's Lake Dam, Aiken County

This office performed a routine inspection of the Neese's Lake Dam on January 16, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to tress growing on the western downstream slope of the dam. 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 Neese's Lake Dam will be inspected again in three (3) 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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date January 16, 2013

Dam D-1994, Neese's Lake Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Representatives of Owner Present:

Don Barnes

Items requiring correction/checking:

1. Brush/vegetation should be cut/removed from the western downstream slope.

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

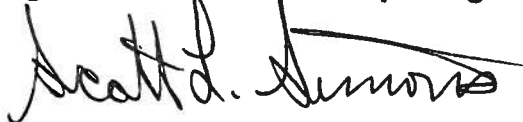
None

General Recommendations:

1. Monitor bare areas on crest and emergency spillway area, stabilize/repair as necessary.
2. Monitor around outlet pipe for any seepage.

Emergency Action Plan Update (No)

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

January 31, 2013

Ms. Melissa Dawn
PO Box 11797
Bozeman, MT 59719

Re: Reinspection of Dam D-0672, Capers Mill Pond Dam, Aiken County

Dear Ms. Dawn,

This office performed a routine inspection of the Capers Mill Pond Dam on January 16, 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 that we have.

Also enclosed is a copy of the Emergency Notification and Surveillance Plan. **Please note it is your responsibility to ensure you comply with the requirements of and ensure the accuracy of its contents.** 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.

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 Dam will be inspected again in three (3) 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
Region Engineering
Dam Safety Program
Region 5 Aiken - EQC

Enclosures

cc: Bill Chaplin- Bureau of Water – SCDHEC
Robert Kitchings, 619 Railroad Ave. Springfield, SC 29146

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INSPECTION REPORT

Date January 16, 2013

Dam D-0672, Capers Mill Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scot L. Simons

Representatives of Owner Present:

Robert Kitchings

Items requiring correction/checking:

None

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

Excellent effort was put into maintenance on the dam in clearing brush, repairing spillway and investigating the condition of the outlet pipe.

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).
2. Owner investigation into the last joint of outlet pipe being separated revealed all remaining joints are competent and due to adequate/extra joints of pipe the last pipe joint degradation should not be detrimental in the functionality of the outlet pipe or dam. Continue to monitor for any further deterioration that may develop and take corrective measures as necessary.

Emergency Action Plan Updated (No)

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 20, 2013

Johnson's Lake Property Owners Association
Attn: Mr. Eddie Kyser
P. O. Box 5817
Aiken, SC 29803

Re: Reinspection of Dam D-2007, Johnson's Lake Dam, Aiken County

Dear Mr. Kyser:

This office performed a routine inspection of the Johnson's Lake Dam on February 4, 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 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 Johnson's Lake Dam will be inspected again in three (3) 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 2-4-2013

Dam D-2007, Johnson's Lake Dam, Aiken County

Representatives of SCDHEC Present:
Scott Simons

Representatives of Owner Present:
None.

Items requiring correction/checking:
None other than monitoring recommended below.

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

General Recommendations:

1. Emergency Spillway has some bare areas that should be grassed/stabilized for channel flow. Area should be routinely monitored and repaired until appropriate stabilization is obtained.
2. Weeds and brush should be cut/removed from around the outlet structure, crest and downstream & upstream slope on a regular basis (recommended minimum annually).
3. Sinkhole near outlet was repaired and appears stable. Continue monitoring for any further deterioration. Recommend routine monitoring of the outlet pipe to ensure no deterioration in it also.

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

March 19, 2013

Mr. Gerald H. Baker
1032 Ascauga Lake Rd.
Graniteville, SC 29829

Re: Reinspection of Dam D-2003, Baker Pond Dam, Aiken County

Dear Mr. Baker:

This office performed a routine inspection of the Baker Pond Dam on January 29, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to trees on the dam. 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 Baker Pond Dam will be inspected again in three (3) 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 29, 2013

Dam D-2003, Baker Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Gerald Baker

Items requiring correction/checking:

None, other than tree removal from the dam as noted below.


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

General Recommendations:

1. Weeds, brush and all trees less than six (6) inches in diameter should be cut/removed from the crest, downstream and upstream slope on a regular basis (recommended minimum annually).
2. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.
3. Aquatic animal traffic impacts should be monitored and repaired as necessary.
4. Monitor for erosion around spillway outlet pipe. Repair as necessary.
5. Recommend adding trash rack to spillway riser.

Emergency Action Plan Updated No

Signature of Person Completing Form





C. Earl Hunter, Commissioner

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

June 21, 2011

Ms. Vernell B. Frank
90 Parkwood Dr.
Williston, SC 29853

"Sat." Cond. Ass' with some
areas to monitor

Ms Elaine B. Strawbridge
80 Folk St.
Williston, SC 29853

Re: Reinspection of Dam D-3053, Folk's Lower Pond Dam, Barnwell County

Dear Mrs. Frank:

This office performed a routine inspection of the Folk's Lower Pond Dam on March 1, 2011. The dam appears to be in satisfactory condition and functioning properly. 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 Folk's Lower Pond Dam will be inspected again in three (3) 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

cc: Steve Bradley, PE, Bureau of Water – SCDHEC
Brian Wisnewski – SCDHEC

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INSPECTION REPORT

Date March 1, 2011

Dam D-3053, Folk's Lower Pond Dam, Barnwell County

Representatives of SCDHEC Present:

Scott L. Simons

Jeff Joyner

Representatives of Owner Present:

None.

Others Present:

None.

Items requiring correction/checking:

See general recommendations for seepage concerns.

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

None

General Recommendations:

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.

Continue to monitor the seepage along the downstream right-hand side of the dam. If seepage increases or becomes muddy, call DHEC.

Emergency Action Plan Updated Yes No

Signature of Person Completing Form





C. Earl Hunter, Commissioner

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

April 12, 2011

Mr. Patrick Williams
PO Box 525
Santee, SC 29142

"Fair" Cond. Ass due to
maintenance + clearing
needed

Re: Reinspection of Dam D-4382, Pat Williams Dam, Barnwell County

Dear Mr. Williams:

This office performed a routine inspection of the Pat Williams Dam on March 1, 2011. The dam appears to be in satisfactory condition and functioning properly. 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 Pat Williams Dam will be inspected again in three (3) 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: Steve Bradley, PE, Bureau of Water - SCDHEC
Brian Wisnewski, Bureau of water - SCDHEC

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INSPECTION REPORT

Date March 1, 2011

Dam D-4382, Pat Williams Dam, Barnwell County

Representatives of SCDHEC Present:

Scott L Simons

Jeff Joyner

Representatives of Owner Present:

None.

Others Present:

None.

Items requiring correction/checking:

1. Metal brace for the boards on the spillway needs to be repaired.

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

None.

General Recommendations:

1. Evidence of minor aquatic animal activity/traffic was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan should be implemented as necessary to maintain the integrity of the dam.
2. Weeds, brush and all trees less than six (6) inches in diameter should be cut/removed from the emergency spillway, crest, up and downstream slopes on a regular basis (recommended minimum annually).

Emergency Action Plan Updated No

Signature of Person Completing Form





C. Earl Hunter, Commissioner

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

"Sat." Cond. Ass.

June 21, 2011

Mr. Thomas E. Mixon
PO Box 276
Clearwater, SC 29822

Re: Inspection of Dam D-3051, Mixon Pond Dam, Barnwell County

Dear Mr. Mixon:

This office performed a routine inspection of the Mixon Pond Dam on March 1, 2011. The dam appears to be in satisfactory condition and functioning properly. 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 Mixon Pond Dam will be inspected again in three (3) 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: Steve Bradley, Bureau of Water - SCDHEC
Brian Wisnewski - SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

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

Aiken EQC Office • 206 Beaufort Street NE • Aiken, SC 29801 • Phone: (803) 641-7670 • Fax: (803) 641-7675 • www.scdhec.gov

INSPECTION REPORT

Date March 1, 2011

Dam D-3051, Mixon Pond Dam, Barnwell County

Representatives of SCDHEC Present:

Scott L. Simons
Jeff Joyner

Representatives of Owner Present:

Thomas Mixon

Others Present:

None

Items requiring correction/checking:

None.

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

None.

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. Monitor two settled areas/sink holes near ram pump valve pits. If any deterioration occurs, area should be investigated and appropriately repaired.
3. Evidence of aquatic animal activity/traffic was observed on the dam during the inspection. A thorough evaluation should be performed by a qualified individual, to determine the extent of any structural impact on the dam. Burrowing/impacts can occur below the water line and not be apparent. If any detrimental impacts are noted from this inspection, a corrective action plan should be implemented as soon as possible to maintain the integrity of the dam. Unless the aquatic animal activity ceases or the population abated, a thorough inspection should be performed on a routine basis.
4. Trash rack was removed for cleaning at time of inspection. Ensure it is reinstalled in a timely manner.

Emergency Action Plan Updated Yes X No

Signature of Person Completing Form





C. Earl Hunter, Commissioner

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

February 1, 2011

Mr. Brantley Jamison
25580 SC Hwy 3
Blackville, SC 29817

Re: Reinspection of D-3049, Matthews Millpond Dam, Barnwell County

Dear Mr. Jamison:

Your dam is due for inspection under the provisions of the South Carolina Dams and Reservoirs Safety Act.

We have tentatively selected March 1, 2011, as the day we will be inspecting the dam. We plan to arrive at the dam at approximately 11:15 AM, and we request that you have someone available to accompany us. During this time, it will be necessary to update the names and telephone numbers on the Emergency Notification Plans for the dams. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dams so that we can do a complete inspection.

If you cannot have someone meet us for the inspection, please make sure any entrance gates are unlocked and call me as soon as possible at (803) 641-7670 to give us the necessary information for the Emergency Notification Plans. We look forward to meeting with you.

Sincerely,

Scott Simons
Dam Safety Program
Region 5 Aiken - EQC

cc: Steve Bradley, PE, Bureau of Water - SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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C. Earl Hunter, Commissioner

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

January 5, 2009

Mr. Brantley Jamison
25580 SC HWY 3
Blackville, SC 29817

Re: Reinspection of Dam D-3049, Matthews Millpond Dam, Barnwell County

Dear Mr. Jamison:

As you are aware, this office performed a routine inspection of the Matthews Millpond Dam on December 31, 2008. The dam appears to be in satisfactory condition and functioning properly. 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.

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 Matthews Millpond Dam will be inspected again in three (3) 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,

Eric Owens
Dam Safety Program
Region 5, Aiken EQC

Enclosures

cc: Glenn Trofatter, Bureau of Water - SCDHEC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
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INSPECTION REPORT

Date December 31, 2008

Dam D-3049, Matthews Millpond Dam, Barnwell County

Representatives of SCDHEC Present:

Eric Owens

Representatives of Owner Present:

None.

Others Present:

None.

Items requiring correction/checking:

Slumping is occurring on the downstream slope. These areas should be filled in with soils, compacted and grassed over to prevent erosion.

The fallen Millhouse currently does not appear to be greatly affecting the flow through the spillway. The house needs to be removed as soon as it is safe to do so.

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

Problems with erosion have been noted during the last few inspections of this dam. Eroded areas need to be filled with a compact soil and regressed to prevent erosion. The entire dam should be grassed. 3/97, 2/02. 05

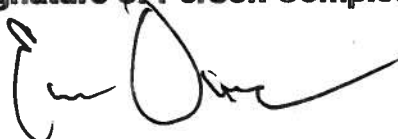
General Recommendations:

- 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) Exercise gate valves on a yearly basis.

Emergency Action Plan Updated Yes _____ No X

DHEC 2604 (6/94)

Signature of Person Completing Form



Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? most cut cleared, some brush east end trees and brush
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no/yes irrigation pump + inlet pipe
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? brush/weeds/some trees
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no hard to tell on entire slope some areas visible
- 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? top section of riser/tra underflow replaced.
- 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? unable to check completely - briars
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: appears ok

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

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:

- need to complete clearing of upstream slope
- time to clear downstream and remove trees
- cut trees over outlet pipe through dam
- clear around outlet pipe

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: D3068 & Hazard Class C2 B. Name of Dam: Lake Cynthia
C. Inspection Date (02/14/2012) & Time: 12:00 D. Date of Last Inspection: (06/09/2009)
E. Location-County/City: Barnwell / Blackville F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Lexsy S. Jones
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 284-2356
Office () - - - - -
Other () - - - - -
K. Dam Owner's or Contact Person's mailing address:
Address 1 310 Izlar St.
Address 2 (optional)
City Blackville State SC Zip Code 29817 - - - - -

Section II (Dam Condition)

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

Section III (Dam Inspection Checklist)

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? mostly well cut some small + large trees towards toe
- 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? main spillway blocked off siphon installed - need some repairs to siphon - went broke
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? no - pond level down 6-8' ft due to lack of inflow
- ii. Describe any deflection or damage observed to the pipe: N/A no
- iii. Visible condition of outlet channel: ok

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

no - unable to maintain full pool for years

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:

- repair siphon
- clear emergency spillway

Preliminary Dam Inspection Disclaimer:

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? cut grass/weeds
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? 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? good shape - recommend to monitor for cleaning/clearing of debris as needed
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? not at time of inspection
- iv. Is valve or gate present? no

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? unable to determine partially covered by lower pond
- ii. Describe any deflection or damage observed to the pipe: Yes bottom of visible pipe bottom is rusted away.
- iii. Visible condition of outlet channel: discharge directly to lower pond

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? need to clean brush growing into pond at emergency spillway channel
- ii. Animal activity observed? no
- iii. Any noticeable deterioration in the approach or discharge channel? no
- iv. Any visible deterioration of structure's crest? no

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? NO

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

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

Section IV (Conclusions)

General comments and recommendations:

- ① - evaluate deteriorating spillway outlet pipe
- ③ - Monitor routinely for debris at spillway inlet
- ② - emergency spill way needs to have brush ^{be cleared} cut at pond/water's edge

Preliminary Dam Inspection Disclaimer:

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

Section I (Owner's Information)

A. Dam Number: D3062 & Hazard Class 2 B. Name of Dam: Barnwell State Park Lower
C. Inspection Date (02/14/2012) & Time: 2:00 D. Date of Last Inspection: (12/16/2009)
E. Location-County/City: Barnwell, Barnwell F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: SC Dept. of Parks, Rec. & Tourism
I. Contact Person (if different from above): Aaron Chavez, Park Ranger
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 284-3033 Office (803) 284-2212 Other () - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 Barnwell State Park Address 2 (optional) 223 State Park Rd. City Barnwell State SC Zip Code 29817 - - - -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? grass some bare areas due to park recreational use.
ii. Animal activity observed? NO
iii. Any obvious alteration or repairs made? NO
iv. Erosion noticed on crest? NO no significant but some bare areas
v. Any visible settlement, misalignment or cracks? NO

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass some bare areas on western natural fill end.
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no significant areas but bare areas due to park recreational use
- 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 but some typical cracks in concrete flow around structure used as primary
- ii. Is there an obvious need to repair or replace trash rack? no
- iii. Any noticeable problems with debris? no
- iv. Is valve or gate present? no

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

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 aparent

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:

- implement plan to seed bare areas

- monitor typical cracks in concrete spillway structure for any seepage

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: D3058 & Hazard Class II B. Name of Dam: McLains Pond
C. Inspection Date (02/14/20) & Time: 9:30 D. Date of Last Inspection: (06/09/2009)
E. Location-County/City: Barnwell, Blackville F. EQC Regional Office: Reg 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Randy & Debbie Shelton
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 284-1442, Debbie cell, Office (803) 300-0502, Randy cell, Other (803) 671-0527
K. Dam Owner's or Contact Person's mailing address: Address 1 5480 Lake Shore Dr., Address 2 (optional), City Blackville, State SC, Zip Code 29817

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? heavy brush, trees
- ii. Animal activity observed? yes at outlet pipe
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no hard to inspect
- v. Settlement or cracks visible in slope? no ↑
- vi. Toe drains flowing? n/a
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? unable to evaluate
- 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? needs clearing
- ii. Animal activity observed? no
- iii. Any noticeable deterioration in the approach or discharge channel? no
- iv. Any visible deterioration of structure's crest? no

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

no

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

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

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

Section IV (Conclusions)

General comments and recommendations:

- beaver/boring
- cut trees upstream + down
- clear emer. spillway

Preliminary Dam Inspection Disclaimer:

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

Section I (Owner's Information)

A. Dam Number: D2032 & Hazard Class C2 B. Name of Dam: Edisto Lake
C. Inspection Date 01/18/2012 & Time: 9:35 D. Date of Last Inspection: (12/15/2009)
E. Location-County/City: Aiken / Wagener F. EQC Regional Office: Reg. 5
G. Inspector's Name: Scott L. Simons
H. Owner's Name: Edisto Lake Property Owners Association
I. Contact Person (if different from above): Greg Smith
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 508-3816
Office () - - - - -
Other () - - - - -
K. Dam Owner's or Contact Person's mailing address:
Address 1 1049 Edisto Lake Rd, Wagener, SC 29164
Address 2 (optional) 115 Edisto Lake Rd, Wagener, SC 29164
City State Zip Code

Section II (Dam Condition)

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

Section III (Dam Inspection Checklist)

A. Dam Crest
i. Vegetation (grass, trees weeds)? grass
ii. Animal activity observed? none apparent
iii. Any obvious alteration or repairs made? NO
iv. Erosion noticed on crest? NO paved road over
v. Any visible settlement, misalignment or cracks? NO

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? cut grass well maintained riprap
wind wave protection
- ii. Animal activity observed? yes, potential in several places along
upstream
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

C. Down Stream Slope

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

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 apparent
- iii. Visible condition of outlet channel: good

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? no
- ii. Animal activity observed? yes
- iii. Any noticeable deterioration in the approach or discharge channel? no
- iv. Any visible deterioration of structure's crest? some potential settling at
the bridge abutment over emerg. spillway

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

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

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

Section IV (Conclusions)

General comments and recommendations:

- monitor for impact from aquatic animal activity
repair as necessary

- some settling at abutment of bridge over emergency
spill way

Preliminary Dam Inspection Disclaimer:

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

Section I (Owner's Information)

A. Dam Number: D 4375 & Hazard Class II B. Name of Dam: Heathwood Dam
C. Inspection Date (09/30/2015) & Time: 10Am D. Date of Last Inspection: (02/14/2012)
E. Location-County/City: Barnwell / Barnwell F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name: The Heathwood on the Lake
I. Contact Person (if different from above): George Smith
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 259-1735 Office () - - - - Other (803) 300-2735
K. Dam Owner's or Contact Person's mailing address: Address 1 141 Deerwood Road Address 2 (optional) City Barnwell State SC Zip Code 29812 - - - -

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)? Crush + run / paved path
ii. Animal activity observed? No.
iii. Any obvious alteration or repairs made? No.
iv. Erosion noticed on crest? No.
v. Any visible settlement, misalignment or cracks? No.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass. Some weeds/brush + trees near base.
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? Potential for erosion on dirt bike path near the middle of the dam. This is already being addressed.
- v. Settlement or cracks visible in slope? No.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent.

D. Primary Spillway

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

E. Outlet Pipe

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

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? Paved, no.

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

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

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

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

Section IV (Conclusions)

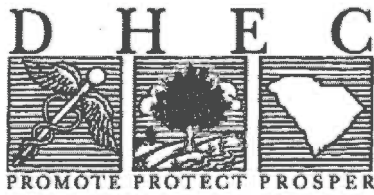
General comments and recommendations:

Dam is in very good condition. Monitor the area that was damaged by dirt bike traffic for erosion. Fill in as necessary.

Keep as much brush and unwanted vegetation cleared from the downstream slope as possible. This includes the area above/around the outlet pipe.

Preliminary Dam Inspection Disclaimer:

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

Section I (Owner's Information)

A. Dam Number: D 3067 & Hazard Class II B. Name of Dam: Owens Pond Dam
C. Inspection Date (09/30/2015) & Time: 11 AM D. Date of Last Inspection: (01/19/2012)
E. Location-County/City: Barnwell / Barnwell F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name: Lewis Owens
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 259-6156 Office () - Other () -
K. Dam Owner's or Contact Person's mailing address: Address 1 8938 Patterson Street Address 2 (optional) City Barnwell State SC Zip Code 29812 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass. Dead tree on left side, by emergency spillway. To be removed soon.
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

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

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Pipe is submerged.
- ii. Describe any deflection or damage observed to the pipe: Pipe is submerged.
- iii. Visible condition of outlet channel: Good condition close to the dam. Beaver activity on SRS property has backed up the channel + raised the pond level.

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? Right side is concrete + left is naturally cut. Good condition.
- iv. Any visible deterioration of structure's crest? Same as above.

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

None apparent.

I. Emergency Action Plan (EAP)

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

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

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

Section IV (Conclusions)

General comments and recommendations:

Dam is in good condition. Once the dead tree has been removed, make sure you address the stump & root system as they begin to decay.

Continue to try and work with SRS to control the beaver activity downstream. The algae blooms in your pond are most likely caused by the slow flow of the pond. Eliminating the beaver dam downstream would help to get rid of them.

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

Section I (Owner's Information)

A. Dam Number: D 0867 & Hazard Class C2 B. Name of Dam: Twin Lakes Upper Dam
C. Inspection Date (09/09/2015) & Time: 12:15 PM D. Date of Last Inspection: (01/13/2012)
E. Location-County/City: Edgefield / Trenton F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name: Paul Simons
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 649 - 7101 Office () - Other () -
K. Dam Owner's or Contact Person's mailing address: Address 1 1 Burgandy Road S.W. Address 2 (optional) City Aiken State SC Zip Code 29801 -

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 and clay drive
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass and weeds
- ii. Animal activity observed? Possible path to water. No damage to vegetation
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds, and a few bare clay areas
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? Minimal erosion around some bare areas.
Seems to be fairly stable.
- v. Settlement or cracks visible in slope? No.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent.

D. Primary Spillway

- i. Any visible deterioration of structure? No.
- ii. Is there an obvious need to repair or replace trash rack? No.
- iii. Any noticeable problems with debris? Vegetation that was previously noted has been sprayed + killed.
- iv. Is valve or gate present? Visible.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Pipe is not visible. It is in the lower pond.
- ii. Describe any deflection or damage observed to the pipe: Not visible.
- iii. Visible condition of outlet channel: Clear, lower pond.

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

None apparent.

I. Emergency Action Plan (EAP)

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

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

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

Section IV (Conclusions)

General comments and recommendations:

Overall, good condition. Monitor the bare areas on the downstream slope to make sure there is no erosion. Try to keep as much grass coverage as possible.

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

Section I (Owner's Information)

A. Dam Number: D4084 & Hazard Class C2 B. Name of Dam: Twin Lakes Lower Dam
C. Inspection Date (09/18/2015) & Time: 11:30am D. Date of Last Inspection: (01/18/2012)
E. Location-County/City: Edgefield / Trenton F. EQC Regional Office: Aiken
G. Inspector's Name: Dani Hallman - Orangeburg EQC
H. Owner's Name: Shawn and Deidra Anderson
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home Office (706) 849-6011 Other (706) 564-6686
K. Dam Owner's or Contact Person's mailing address: Address 1 PO Box 7394 Address 2 (optional) City North Augusta State SC Zip Code 29861

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, golf cart path
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass and weeds. Recently sprayed with Round Up to control unwanted vegetation.
- ii. Animal activity observed? Some signs of old activity. This is being checked regularly.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass + weeds. Also recently sprayed to eliminate unwanted vegetation.
- ii. Animal activity observed? A few paths. No damage to vegetation
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? No.
- v. Settlement or cracks visible in slope? Minimal settlement from old vegetation -
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: None apparent

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? None apparent. Owner would like to replace spillway/outlet system with siphons.
- ii. Describe any deflection or damage observed to the pipe: None apparent.
- iii. Visible condition of outlet channel: Clear.

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

None apparent

I. Emergency Action Plan (EAP)

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

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

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

Section IV (Conclusions)

General comments and recommendations:

Continue working on grass coverage on up and downstream slopes. Monitor the current outlet system for signs of deterioration until you decide to begin the siphon replacement project.

Continue monitoring beaver activity and keep their debris away from the spillway system.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass
- ii. Animal activity observed? It appear that animals have been using the front slope of the dam.
- iii. Any obvious alterations or repairs made? Yes. Please see the comment section.
- iv. Erosion observed on upstream slope? Unknown. Inspector thought there was erosion adjacent to the water but per Mr. McCullum this is a result of the work done a year ago as described in the comment section of this report. It may be a combination of erosion and the alterations.
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds, brush.
- ii. Animal activity observed? An animal burrow was found adjacent to crest on right side of the dam. When shown to Mr. McCullum, whenever they find these they bring in equipment and pack the area of the burrow.
- iii. Any obvious alterations or repairs made? Extra soil on backslope (soil came from the alterations performed on the front slope.
- iv. Erosion observed on down stream slope? Down stream slope could not be inspected in its entirety due to the abundance of vegetation in some areas. Erosion was observed to the left of the primary spillway outlet leading into the outlet discharge area.
- v. Settlement or cracks visible in slope? Down stream slope could not be inspected in its entirety due to the abundance of vegetation in some areas.
- vi. Toe drains flowing? _____
- 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 in its entirety due to the abundance of vegetation in some areas.

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? Small brush is beginning to grow up within the primary spillway.
Mr. McCullum said they will take care of it.
- iv. Is valve or gate present? Yes

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Inspector could not get close enough to the discharge pipe to determine this due to site conditions.
- ii. Describe any deflection or damage observed to the pipe: Inspector could not get close enough to the discharge pipe to determine this due to site conditions.
- iii. Visible condition of outlet channel: It appears that there is a good flow of water out of the discharge pipe and the water was flowing away from the immediate area of the discharge pipe.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Front slope and crest were clear of obstructions. Flow path hit the "wooded" area on the back slope of the dam.
- 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 blank 2606 form was left with McCullum at the time of the inspection.

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 remember that your goal should be to maintain a grass cover at all times on all parts of the structure.

Per Mr. McCullum, the primary spillway used to be adjacent to the front slope of the dam. Per advice he received, a strip parallel to the dam was dug out adjacent to the water down the length of the dam. Also, a larger area (than previously described) was dug out on the front slope in the vicinity of the primary spillway pipe. This concerns the inspector because the integrity of the dam may have been compromised.

Please monitor all erosion and animal activity and repair accordingly.

*** All directions given looking downstream.

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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)? Trees, sand
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, very steep
- ii. Animal activity observed? An inspection of the backslope could not be performed due to the combination of the vegetation and steepness of the back slope.
- iii. Any obvious alterations or repairs made? An inspection of the backslope could not be performed due to the combination of the vegetation and steepness of the back slope.
- iv. Erosion observed on down stream slope? An inspection of the backslope could not be performed due to the combination of the vegetation and steepness of the back slope.
- v. Settlement or cracks visible in slope? An inspection of the backslope could not be performed due to the combination of the vegetation and steepness of the back slope.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: An inspection of the backslope could not be performed due to the combination of the vegetation and steepness of the back slope.

D. Primary Spillway

- i. Any visible deterioration of structure? Structure was under water.
- ii. Is there an obvious need to repair or replace trash rack? I was unable to tell if a trash rack is on the structure.
- iii. Any noticeable problems with debris? Yes. Debris needs to be removed.
- iv. Is valve or gate present? No.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? An inspection of the outlet pipe could not be performed due to the inability to inspect the back slope of the dam.
- ii. Describe any deflection or damage observed to the pipe: An inspection of the outlet pipe could not be performed due to the inability to inspect the back slope of the dam.
- iii. Visible condition of outlet channel: An inspection of the outlet pipe could not be performed due to the inability to inspect the back slope of the dam.

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? Clear until hit the woods on the back slope of the dam.
- 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 is to maintain a grass cover across all portions of the dam.

The primary spillway appears to be blocked. Please ensure debris is removed from the structure and a trash rack is installed.

Flow was discharging from the structure during a 2nd inspection on 2/8/2013.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Majority of the upstream slope was under water. Sections of the upstream slope have eroded.
There are stumps on the upstream slope.
- ii. Animal activity observed? Majority of the upstream slope was under water so this was difficult to inspect.
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes. Sections of the front slope are now gone. This could be from the wave action due to the high water levels
- v. Settlement or cracks visible in slope? Majority of the upstream slope was under water so this was difficult to inspect.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Some large trees, asphalt pices, grass, a few bare areas, rocks. Excess vegetation noted in previous inspections has been removed.
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? Excess vegetation has been removed from the downstream slope.
- iv. Erosion observed on down stream slope? Yes.
- v. Settlement or cracks visible in slope? Settlement or erosion.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Yes. Several areas of seepage were observed along the toe/groin of the dam. Source was not found. This area was water logged.
Visible areas of water flowing across the ground service. Problem exists along the middle two-thirds of the dam.

D. Primary Spillway

- i. Any visible deterioration of structure? There is not an primary spillway
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Does not appear to have an outlet pipe
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: _____

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? Yes. Appears beavers have formed a dam between the reservoir and the crest. There used to be an earthen left Emergency Spillway. Now it blocked, the crest is under water, there are asphalt pieces in the vicinity. Culvert under McCrelght is obstructed.
- ii. Animal activity observed? No.
- iii. Any noticeable deterioration in the approach or discharge channel? Yes. Per Josh Yonce, the trench that has formed between along the Emergency Spillway path between the dam and the road occured two summers ago. This area is several feet deep.
- iv. Any visible deterioration of structure's crest? Under water at the time of the inspection.

F. Auxiliary (Emergency) Spillway continued

- v. If applicable, any observed exposure of rebar reinforcement? N/A
- vi. If applicable, any visible leakage below concrete spillway? _____

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

- i. Emergency Action Plan provided by owner? 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:

Inspector is concerned that the dam may overtop in the near future. The dam is 3-6 inches from overtopping on the right side of the structure. The water level in the reservoir must be lowered immediately. The beaver dam needs to be removed (between the reservoir and the crest at the left emergency spillway. The culvert that passes water under McCreight Road appears obstructed also. This needs to be cleared prior to removing the beaver dam. Care must be taken not to flood McCreight Road.

Dam will be reassessed after the pressure on the dam has subsided (to determine extent of the seepage).

Left Emergency Spillway in use at the time of the inspection.

*** All directions are given looking downstream

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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? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? The left side of the dam has a grass cover while trees and brush cover the middle and right sides of the structure.
- ii. Animal activity observed? I could not inspect the dam due to the amount of vegetation on the back slope.
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? I could not inspect the dam due to the amount of vegetation on the back slope.
- v. Settlement or cracks visible in slope? I could not inspect the dam due to the amount of vegetation on the back slope.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: I could not inspect the dam due to the amount of vegetation on the back slope.

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? I could get close enough to the outlet structure to obtain this information due to the amount of vegetation in the vicinity.
- ii. Describe any deflection or damage observed to the pipe: I could get close enough to the outlet structure to obtain this information due to the amount of vegetation in the vicinity.
- iii. Visible condition of outlet channel: Mostly clear path into the downstream pond.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Flow is obstructed on the downstream side of the emergency spillway 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. 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. I handed Mr. Kelsey a blank EAP and asked him to fill it out, keep a copy for himself, and send a copy back to me.

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:

1. Please remember that it should be your goal to maintain a grass cover over all aspects of the dam. I was unable to perform my routine inspection due to the amount of trees, weeds, and brush across the backslope of the dam.

2. Please continue to perform routine inspections of the structure. Please call if you have any questions or concerns.

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

Section I (Owner's Information)

A. Dam Number: D 0900 & Hazard Class C2 B. Name of Dam: ARROWHEAD LAKE DAM
C. Inspection Date (12/04/2013) & Time: 9:40 AM D. Date of Last Inspection: (12/07/2010)
E. Location-County/City: EDGEFIELD / NORTH AUGUSTA F. EQC Regional Office: GREENWOOD
G. Inspector's Name: STEPHANIE HACKETT
H. Owner's Name: W.H. PRESLEY
I. Contact Person (if different from above): JOEL T PRESLEY
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other (803) 341 - 1526
K. Dam Owner's or Contact Person's mailing address:
Address 1 W.H. PRESLEY 192 ARROWHEAD LAKE ROAD
Address 2 (optional) JOEL T PRESLEY 200 ARROWHEAD LAKE ROAD
City NORTH AUGUSTA State SC Zip Code 29860 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Crest consisted of sand and appears to be used to drive across the top (single lane)
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? Standing water on the left side of the crest in two areas. Inspector unsure if this is from tire ruts or depressions. Please monitor these areas closely to determine if additional "sinkage" occurs

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, Weeds.
- ii. Animal activity observed? Unable to perform a routine inspection due to the abundance of unwanted vegetation.
- iii. Any obvious alterations or repairs made? Unable to perform a routine inspection due to the abundance of unwanted vegetation.
- iv. Erosion observed on down stream slope? Unable to perform a routine inspection due to the abundance of unwanted vegetation.
- v. Settlement or cracks visible in slope? Unable to perform a routine inspection due to the abundance of unwanted vegetation.
- vi. Toe drains flowing? Na
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Unable to perform a routine inspection due to the abundance of unwanted vegetation.

Area of standing water near the toe of the dam along the right groin. Please look at this area closely to see if this is standing water or seepage.

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Couldn't get close enough to the siphons due to the All three siphons were in releasing water at the time of the inspection.
- ii. Describe any deflection or damage observed to the pipe: Couldn't get close enough to the siphons due to the slope and excess vegetation to inspect the discharge pipes.
- iii. Visible condition of outlet channel: Unable to perform a routine inspection due to the abundance of unwanted vegetation.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Mostly clear until the backside of the dam.
- 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 blank EAP will be mailed with this report.

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

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

Section IV (Conclusions)

General comments and recommendations:

I spoke with Joel Presley briefly prior to the inspection. He stated the dam was not cleared off in the spring of 2013 but it will be this coming spring.

Recent rains made it difficult to inspect the dam and to look for seepage areas.

It was difficult to inspect the backslope of the dam due to site conditions (wet leaves, unwanted vegetation, etc). Please ensure you are performing routine inspections of the structure to look for problems as they develop.

Please also remember that your goal should be to maintain a grass cover on all aspects of the structure (upstream slope, downstream slope, emergency spillway, and crest).

*** All directions given in this report are given looking downstream.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Lepard side: Grass
Kent side: brush, briars, trees
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? adjacent to water
- v. Settlement or cracks visible in slope? Yes

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Lepard side: Grass
Kent side: trees, weeds, grass
- ii. Animal activity observed? Animal paths were visible, possible animal burrow hole near the toe
- iii. Any obvious alterations or repairs made? Yes. Mr. Lepard has cleared all of the excess vegetation of off his portion of the dam.
- iv. Erosion observed on down stream slope? Erosion/slides/settlement all over the backslope
- v. Settlement or cracks visible in slope? Slides, holes, vertical "ditches"
- vi. Toe drains flowing? No
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: One water puddle was present near the toe of the dam. Water did not appear to be flowing.

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? N/A

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. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Right Emergency Spillway is clear on crest and then there is some tree debris and trees present before the water would enter the ditch
- 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

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:

Thank you for working on clearing off the excess vegetation from the structure. Please continue to monitor the uneven slopes and look for signs of active problems.

Also, the entire dam needs to have a vegetative cover. The remainder of the excess vegetation needs to be removed.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees. Weeds. An inspection could not be performed due to the amount of vegetation and erosion along the back slope of the dam.
- ii. Animal activity observed? An inspection could not be performed due to the amount of vegetation and erosion along the back slope of the dam.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? Yes. An inspection could not be performed due to the amount of vegetation and erosion along the back slope of the dam
- v. Settlement or cracks visible in slope? An inspection could not be performed due to the amount of vegetation and erosion along the back slope of the dam
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: An inspection could not be performed due to the amount of vegetation and erosion along the back slope of the dam

D. Primary Spillway

- i. Any visible deterioration of structure? There is not a primary spillway - siphon pipe broke in the past.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Yes - water appears to be going through a portion of the existing siphon pipe and exiting the dam on the backslope towards the top of the dam creating a large amount of erosion.
- ii. Describe any deflection or damage observed to the pipe: The siphon pipe is broken and is no longer able to function properly.
- iii. Visible condition of outlet channel: Not observed.

F. Auxliary (Emergency) Spillway

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

F. 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:

Per conversations with the owner in the past, the siphon system pipe is broken. During a follow-up inspection with Central Office personnel (John Poole and Petar Milenkov) on February 08, 2013, it was discovered that water is coming through the dam (possibly through the existing siphon pipe) and exiting towards the top of the dam on the back slope.

This is causing severe erosion on the back slope of the dam. The stability of the structure is in question. As a result, we are requiring you to hire a professional engineer (P.E.) to perform a detailed inspection of the dam. The inspection report needs to address the siphon system, erosion, vegetation, and include a repair plan (if warranted) . Please see the cover letter for this report for detailed information that will be needed from the P.E.

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

Section I (Owner's Information)

A. Dam Number: D 0906 & Hazard Class C2 B. Name of Dam: Harrison Pond Dam/Helen W Holmes Pond Dam
C. Inspection Date (12/06/2013) & Time: 10:50 AM D. Date of Last Inspection: (/ /)
E. Location-County/City: Edgefield / Trenton F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Richard W Burnett Jr
I. Contact Person (if different from above): Condor McCollum
J. Dam Owner's or Contact Person's Phone Numbers: Home (706) 736 - 2626
Office () -
Other (706) 825 - 6911
K. Dam Owner's or Contact Person's mailing address:
Address 1 2402 William Street
Address 2 (optional) _____
City Augusta State GA Zip Code 30904 - _____

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? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Upper section of downstream slope was either grassed or bare dirt. The lower section of the downstream slope was full of trees, weeds. Slope should be grassed without excess vegetation.
- ii. Animal activity observed? Could not inspect the downstream slope due to the abundance of vegetation
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Could not inspect the downstream slope due to the abundance of vegetation
- v. Settlement or cracks visible in slope? Could not inspect the downstream slope due to the abundance of vegetation
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: No - did not find the seepage found in 2009 on the left side of the downstream slope

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? _____
Could not inspect the downstream slope due to the abundance of vegetation
- ii. Describe any deflection or damage observed to the pipe: _____
Could not inspect the downstream slope due to the abundance of vegetation
- iii. Visible condition of outlet channel: _____
Could not inspect the downstream slope due to the abundance of vegetation

F. Auxillary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

See Comment section below

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? No. One will be mailed with this report

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

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

Section IV (Conclusions)

General comments and recommendations:

This dam was inspected at its Class 3 class check inspection. Since it was believed that this dam may need to be reclassified as a significant hazard dam, a routine inspection was performed at this time. After Central Office personnel decided that this dam should be a significant hazard dam, this report was written.

The crest and the upstream slope appear to be in good condition. The downstream slope was not able to be inspected due to the vegetation on the slope. Please begin working on clearing the unwanted vegetation from the slope 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.



**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 0907 & Hazard Class C2 B. Name of Dam: Myra Smith Dam

C. Inspection Date (2 / 19 / 2014) & Time: 1130 D. Date of Last Inspection: (02 / 15 / 2011)

E. Location-County/City: Edgefield / Johnston F. EQC Regional Office: Greenwood

G. Inspector's Name: Stephanie Hackett, Matt Hauser

H. Owner's Name: Maurice Smith, III, and Southern Pine Ranch LLC

I. Contact Person (if different from above): Jake Smith

J. Dam Owner's or Contact Person's Phone Numbers: Home () - - - - -
Office () - - - - -
Other (217) 412 - 9618

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

Address 1 4774 Red Bud Court (Southern Pine Ranch and Smith)

Address 2 (optional) _____

City Decatur, State IL Zip Code 62526 - - - - -

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)? No vegetation

ii. Animal activity observed? No

iii. Any obvious alteration or repairs made? No

iv. Erosion noticed on crest? No

v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, briars
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? Trees and brush have been removed on the majority of the upstream slope
- iv. Erosion observed on upstream slope? No - Could not fully inspect upstream slope due to the unwanted vegetation
- v. Settlement or cracks visible in slope? Could not fully inspect upstream slope due to the unwanted vegetation

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, leaves, bare dirt
- ii. Animal activity observed? Animal trails were observed
- iii. Any obvious alterations or repairs made? Yes - on the left side of the dam large and small trees are being cut down and brush has been removed
- iv. Erosion observed on down stream slope? Could not fully inspect the downstream slope due to the unwanted vegetation
- v. Settlement or cracks visible in slope? Sloughing has occurred
- vi. Toe drains flowing? Not Applicable
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: See comments below

D. Primary Spillway

- i. Any visible deterioration of structure? Could not see the structure. Inspectors could note where the structure was located.
- ii. Is there an obvious need to repair or replace trash rack? If there is a trash rack, it needs to be cleaned off. If there is not a trash rack, one needs to be added
- iii. Any noticeable problems with debris? See comment ii in this section
- iv. Is valve or gate present? One was not visible

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Could not see the outlet pipe due to site conditions
- ii. Describe any deflection or damage observed to the pipe: Could not see the outlet pipe due to site conditions
- iii. Visible condition of outlet channel: Could not see the outlet pipe due to site conditions

F. Auxilliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Obstructions to flow observed on the backslope of the dam
- ii. Animal activity observed? No
- iii. Any noticeable deterioration in the approach or discharge channel? No. There is standing water in sections of the emergency spillway
- 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

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:

There is a peak in the middle of the crest (not a level crest)

There is water flowing along the toe of the dam from the left side of the dam towards the middle of the dam. It appears that the source of this water is a spring. It is possible that water flowing from the left emergency spillway also adds to the water along the toe of the dam.

A routine visual inspection could not be performed due to the abundance of vegetation on the structure. Please remember your goal should be to maintain a grass cover across all aspects of the structure - upstream slope, crest, downstream slope, and the emergency spillway.

Thank you for beginning to remove some of the vegetation off the slopes 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.



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 0908 & Hazard Class C2 B. Name of Dam: Smith/Berry Pond Dam
C. Inspection Date (2 /19 /20 14) & Time: 1005 D. Date of Last Inspection: (02 /15 /2011)
E. Location-County/City: Edgefield /Johnston F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett, Matt Hauser
H. Owner's Name: Genna Covar, Dr. G.W. Rauton, III
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 608 Main Street, Edgefield, SC 29824 (Covar)
Address 2 (optional) PO Box 326, Johnston, SC 29832 (Rauton)
City State Zip Code

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? trees, briars, weeds, pine trees debris from being recently cut,
- ii. Animal activity observed? Beaver trail
- iii. Any obvious alterations or repairs made? Has cut trees off of the slope
- iv. Erosion observed on upstream slope? Could not inspect due to the abundance of vegetation
- v. Settlement or cracks visible in slope? Could not inspect due to the abundance of vegetation

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Briars, weeds, trees
- ii. Animal activity observed? Trail
- iii. Any obvious alterations or repairs made? Trees have been cut (visible stumps)
- iv. Erosion observed on down stream slope? Yes - to the right of PVC fill pipe near toe - horseshoe shape
Downstream slope could be inspected properly due to the abundance of vegetation
- v. Settlement or cracks visible in slope? Could not inspect due to the abundance of vegetation
- vi. Toe drains flowing? Not Applicable
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Could not inspect due to the abundance of vegetation

D. Primary Spillway

- i. Any visible deterioration of structure? Per owner on previous inspection, primary spillway was filled in over twenty years ago.
The right emergency spillway serves as the primary spillway.
- ii. Is there an obvious need to repair or replace trash rack? Not Applicable
- iii. Any noticeable problems with debris? Not Applicable
- iv. Is valve or gate present? Not Applicable

E. Outlet Pipe

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

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? No _____

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? No. Two EAP forms were left with Mr. Bill Smith (Ms. Covar's brother) at the time of the inspection. Mr. Smith was going to give a copy to Ms. Covar and a copy to Dr. Rauton

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:

Right emergency spillway in use at the time of the inspection - good flow

Bill Smith attended the inspection

A routine visual inspection could not be performed at the time of the inspection due to the abundance of unwanted vegetation. Your goal should be to maintain a grass cover across all aspects of the structure (crest, downstream slope, and upstream slope).

Continue to monitor the water along the toe of the dam (from the roadside ditch as well as water from the filling of trucks).

If you start noticing damage to the dam from the water please contact the Department.

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 4057 & Hazard Class C2 B. Name of Dam: Satcher-Smith Pond Dam
C. Inspection Date (2 /19 /20 14) & Time: 10:55 AM D. Date of Last Inspection: (02 /15 /2011)
E. Location-County/City: Edgefield / Johnston F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett, Matt Hauser
H. Owner's Name: William G Smith, III, Southern Pine Ranch LLC (Jake Smith)
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803-) 480-0129 (Bill) Office (217) 412 9618 (Jake) Other () - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 4774 Red Bud Court, Decatur, IL 62526 (Southern Pine Ranch) Address 2 (optional) 263 Woodyard Road, Johnston, SC 29832 (Smith) City State Zip Code - - - - -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

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? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, briars
- ii. Animal activity observed? Alligator and beaver trails
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Could not inspect due to the abundance of unwanted vegetation
- v. Settlement or cracks visible in slope? Could not inspect due to the abundance of unwanted vegetation

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds, briars
- ii. Animal activity observed? animal trails
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Could not inspect due to the abundance of unwanted vegetation
- v. Settlement or cracks visible in slope? Could not inspect due to the abundance of unwanted vegetation
- vi. Toe drains flowing? Not Applicable
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Could not inspect 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 - didn't fully inspect due to unwanted vegetation
- iii. Visible condition of outlet channel: Water is pooling in the vicinity of the discharge point. The water needs to have a clear path downstream. You do not want the water pooling at the toe of the dam.

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? Left Emergency Spillway: Trees and debris have recently been removed. There are still trees at the waterline. Beyond the trees at the waterline, there is a clear path for the water to flow until it hits the downstream slope.
- ii. Animal activity observed? No
- iii. Any noticeable deterioration in the approach or discharge channel? Could not inspect the approach channel. No damage was visible for the parts that could be inspected
- 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. One blank EAP was left with Mr. Bill Smith. A 2nd blank copy will be mailed to Jake Smith.

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:

The dam could not be inspected due to the abundance of unwanted vegetation. Your goal should be to maintain a grass cover across all aspects of the dam - crest, front slope, downstream slope, and the left emergency spillway.

Thank you for beginning to clear the vegetation out of the left emergency spillway.

*** All directions are given looking downstream

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, weeds, briars
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? Yes

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds briars
- ii. Animal activity observed? An inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on down stream slope? An inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope
- v. Settlement or cracks visible in slope? An inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: An inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope

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? Log laying on top of the siphons needs to be removed (along the waters edge)
- iv. Is valve or gate present? No

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Could not get to the siphon system on the down stream slope due to the abundance of unwanted vegetation.
- ii. Describe any deflection or damage observed to the pipe: Could not get to the siphon system on the down stream slope due to the abundance of unwanted vegetation.
- iii. Visible condition of outlet channel: Could not see due to the excess unwanted vegetation

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Clear until the trees on the back side of the dam
- ii. Animal activity observed? No
- iii. Any noticeable deterioration in the approach or discharge channel? Ruts from vehicles
- 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

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:

Dwight Harmon accompanied the inspector on the inspection.

A routine inspection could not be performed due to the abundance of unwanted vegetation on the back slope of the dam.

Your goal is to maintain a grass cover across all aspects of the structure - front slope, crest, and back slope (all the way to the toe 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.



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 4072 & Hazard Class Significant B. Name of Dam: Charlie Raughton Dam
C. Inspection Date (12 / 16 / 20 14) & Time: 10:44 AM D. Date of Last Inspection: (12 / 05 / 2011)
E. Location-County/City: Edgefield / Ridge Spring F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Majorie Yonce
I. Contact Person (if different from above): Jason Rodgers (Titan Farms)
J. Dam Owner's or Contact Person's Phone Numbers: Home () - - - - -
Office () - - - - -
Other (803) 685 - 5381
K. Dam Owner's or Contact Person's mailing address:
Address 1 5 R W Dubose Road
Address 2 (optional) _____
City Ridge Spring, State SC Zip Code 29129 - - - - -

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, weeds, briars
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass, weeds, briars, trees (couldn't see the ground due to the excess vegetation)
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Could not see the ground due to the excess vegetation
- v. Settlement or cracks visible in slope? Could not see the ground due to the excess vegetation

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? trees, pine needles, vines
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? A complete inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope
- v. Settlement or cracks visible in slope? A complete inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: An complete inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope. To the right of the primary outlet there is an area of eroded material leading into discharge stream. Water dripping in this area was noticeable.

D. Primary Spillway

- i. Any visible deterioration of structure? Spillway does not appear level
- ii. Is there an obvious need to repair or replace trash rack? Yes. There is not currently a trash rack. One must be installed
- 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. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Clear until the trees on the back side of the dam (left emergency spillway) Right emergency spillway was clear of obstructions
- 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

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:

Dwight Harmon accompanied the inspector on the inspection.

A routine inspection could not be performed due to the abundance of unwanted vegetation on the slopes of the dam.

Your goal is to maintain a grass cover across all aspects of the structure - front slope, crest, and back slope (all the way to the toe of the dam).

A trash rack needs to be installed on the primary spillway

Please monitor the area of possible seepage mentioned in Section III

*** All directions are given looking downstream.

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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 4073 & Hazard Class Significant B. Name of Dam: Guy Rutland Dam
C. Inspection Date (12/16/2014) & Time: 11:29 AM D. Date of Last Inspection: (12/05/2011)
E. Location-County/City: Edgefield / Ridge Spring F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Carr Farms
I. Contact Person (if different from above): Jason Rodgers (Titan Farms)
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other (803) 685 - 5381
K. Dam Owner's or Contact Person's mailing address: Address 1 5 R.W. Dubose Road Address 2 (optional) City Ridge Spring, State SC Zip Code 29129 -

Section II (Dam Condition)

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

Section III (Dam Inspection Checklist)

A. Dam Crest
i. Vegetation (grass, trees weeds)? Grass, dirt areas from vehicles
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? Yes
v. Any visible settlement, misalignment or cracks? Areas of the crest are lower than others.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass, weeds (could inspect majority of upstream slope)
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes - at the waters edge
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? grass trees weeds br ars
- ii. Animal activity observed? A full routine inspection of the down stream slope was not possible due to the abundance of unwanted vegetation
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Yes Several areas of erosion adjacent to crest and along sections of the down stream slope. Also, two long channels on right side of backslope that enter discharge channel just downstream of primary outlet.
- v. Settlement or cracks visible in slope? Yes Several area of settlement/erosion along backslope.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: It was raining during the inspection so I could not properly inspect for this.

D. Primary Spillway

- i. Any visible deterioration of structure? No
- ii. Is there an obvious need to repair or replace trash rack? Yes. Part of screen on trash rack is missing. This needs to be replaced.
- 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? Could not get close to pipe to inspect this.
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Mostly clear

F. Auxilliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Brush on back of dam could hinder flow of water away from the crest
- 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

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:

Dwight Harmon accompanied the inspector on the inspection.

A full inspection could not be performed due to the abundance of unwanted vegetation on the down stream slope.

Your goal is to maintain a grass cover across all aspects of the structure - front slope, crest, and back slope (all the way to the toe of the dam). Please remove any small excess vegetation.

Please monitor the slopes for any changes. If changes occur, please contact the Department.

*** All directions are given looking downstream.

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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 on the portion adjacent to the crest. Weeds adjacent to the pond.
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? No.
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds
- ii. Animal activity observed? 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? Unable to see the siphon pipe due to vegetation.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Difficult to inspect due to the trees and weeds surrounding the discharge pipe.
- ii. Describe any deflection or damage observed to the pipe: Difficult to inspect due to the trees and weeds surrounding the discharge pipe.
- iii. Visible condition of outlet channel: Narrow

F. Auxillary (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. 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. A copy of the EAP was handed to the owner during the inspection. Mr. Hanks 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:

1. Please remember that goal is to maintain a grass cover over all portions of the dam.

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

Section I (Owner's Information)

A. Dam Number: D 4091 & Hazard Class C2 B. Name of Dam: Currytowne Association Dam #2 Dam
C. Inspection Date (01/10/2013) & Time: 10:02 D. Date of Last Inspection: (11/29/2010)
E. Location-County/City: Edgefield / North Augusta F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Currytowne Homeowners Association
I. Contact Person (if different from above): Lee Hanks
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other (803) 279 - 6081
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box 7732
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)? Grass
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, weeds
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? No
- v. Settlement or cracks visible in slope? 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? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Unable to inspect closely due to the trees and weeds surrounding the discharge pipe.
- ii. Describe any deflection or damage observed to the pipe: Unable to inspect due to the trees and weeds surrounding the discharge pipe.
- iii. Visible condition of outlet channel: _____

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? _____

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 owner during the inspection. Mr. Hanks 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:

1. Please remember that goal is to maintain a grass cover over all portions of the dam.
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass with minimal amount of weeds.
- ii. Animal activity observed? yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes - at waters edge
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Vegetation/weeds (I was able to inspect the back slope). Trees at the toe of the dam adjacent to the outlet channel.
- 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? 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: 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? No.

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? I was unable to get close enough to observe this.
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: Wide and clear.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Yes - swing set and fence.
- ii. Animal activity observed? Deer prints in the mud in the discharge channel. Discharge channel is not grassed.
- 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. I handed a copy of the EAP to Mr. Zachow at the end of the inspection and asked him to mail a copy back to me.

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:

1. Your goal should be to maintain a grass cover over all aspects of the structure. I was unable to get close to the discharge pipe due to the trees in the vicinity of the pipe. The right emergency spillway discharge channel is not grassed.

2. Mr. Zachow stated that the boards in the primary spillway have been recently replaced.

Preliminary Dam Inspection Disclaimer:

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Upstream slope consisted of weeds, briars, trees of varying diameter, grass
- ii. Animal activity observed? animal paths were noticed, beavers have been "cutting down" trees on the front slope
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Difficult to determine due to the abundance of excess vegetation
- v. Settlement or cracks visible in slope? Difficult to determine due to the abundance of excess vegetation

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Down Stream slope consisted of weeds, briars, long grass, and trees of varying diameters
- ii. Animal activity observed? Animal paths from the front slope across the crest and down the back slope were observed
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Difficult to determine due to the abundance of excess vegetation
- v. Settlement or cracks visible in slope? Difficult to determine due to the abundance of excess vegetation
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Difficult to determine due to the abundance of excess vegetation

D. Primary Spillway

- i. Any visible deterioration of structure? Inspector unable to find the primary spillway (most likely due to the excess vegetation)
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? No

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Did not appear to be - Inspector could not get close to the discharge point
- ii. Describe any deflection or damage observed to the pipe: Rust holes in the exposed portion of the pipe
- iii. Visible condition of outlet channel: There was not any standing water in the outlet channel but the channel appears to be overgrown just downstream of the discharge point

F. Auxilliary (Emergency) Spillway

- i. Noticeable obstructions to flow? There is a dog pen on the front slope in the left emergency spillway, approximately 40-50 feet beyond the crest there is a stand of trees in the emergency spillway
- 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? _____

The house on parcel id 104-00-01-001-000 is not new, but may be inundated. Columbia staff will look into this in more detail

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:

The erosion along the toe of the dam to the right of the primary discharge point still exists. Inspector is unsure if this has changed since the last inspection.

It does not appear that excess vegetation has been removed from the structure since the last inspection. Your goal should be to maintain a grass cover across all aspects of the dam.

Please monitor all deficiencies noted with the dam and call the Department if anything changes. All excess vegetation must be removed from the structure.

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 across the majority of the front slope. Trees/weeds growing adjacent to the waterline.
- ii. Animal activity observed? Evidence of beaver action on a tree on the front slope of the dam.
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? There are a few areas of erosion on the front slope of the dam near the bank of the pond.
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? A good portion of the back slope consisted of a grass/hay cover. There is a large stand of trees in the middle section of the backslope. Pine trees growing in left groin. I was unable to perform a full inspection of the backslope of the dam due to the vegetation.
- 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? Not Applicable
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Unable to fully inspect backslope. Ground was wet due to recent rain events so it was difficult to look for seepage.

D. Primary Spillway

- i. Any visible deterioration of structure? Primary spillway is a siphon system. There were not any visible signs of deterioration.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Unable to get close enough to the discharge pipe to look at this.
- ii. Describe any deflection or damage observed to the pipe: Unable to get close enough to the discharge pipe to look at this.
- iii. Visible condition of outlet channel: Unable to get close enough to the discharge pipe to look at this.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Yes. There needs to be a clear path into and out of the emergency spillway pipes on the right side of the dam. The pipes should be completely exposed (no soil covering sections up, etc). Emergency spillway path includes a patch of trees 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

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:

Tim Phillips (Mount Vintage Planation Golf Club) walked with me on this inspection.

All directions given in this report are given looking downstream.

Your goal should be to maintain a grass cover across all aspects of the structure. This includes the front slope, the backslope, the crest, and the emergency spillway.

Please ensure that the emergency spillway pipes have a clear path for the flow of water into and out of the pipes.

I was unable to perform my normal routine inspection on the backslope of the dam and of the discharge outlet area due to the abundance of vegetation.

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

Section I (Owner's Information)

A. Dam Number: D 0506 & Hazard Class C2 B. Name of Dam: Joyce Willing Dam

C. Inspection Date (01/24/2013) & Time: 10:00 D. Date of Last Inspection: (11/22/2010)

E. Location-County/City: Edgefield / Johnston F. EQC Regional Office: Greenwood

G. Inspector's Name: Stephanie Hackett

H. Owner's Name: Elbirta LTD

I. Contact Person (if different from above): Larry Yonce

J. Dam Owner's or Contact Person's Phone Numbers: Home () - - - - -
Office (803) 275 - 7110
Other () - - - - -

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

Address 1 PO Box 175

Address 2 (optional) _____

City Johnston, State SC Zip Code 29832 - - - - -

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? No
- iii. Any obvious alteration or repairs made? No
- iv. Erosion noticed on crest? No
- v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, trees, weeds, cattails
- ii. Animal activity observed? Yes. Due to the amount of vegetation on the backslope of the dam I was unable to perform my routine inspection.
- iii. Any obvious alterations or repairs made? Due to the amount of vegetation on the backslope of the dam I was unable to perform my routine inspection.
- iv. Erosion observed on down stream slope? Yes. Due to the amount of vegetation on the backslope of the dam I was unable to perform my routine inspection.
- v. Settlement or cracks visible in slope? Due to the amount of vegetation on the backslope of the dam I was unable to perform my routine inspection.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Several seepage areas were evident on the back slope and toe of the dam on the left side of the dam. We were unable to determine the cloudiness of the water. Due to the amount of vegetation on the backslope of the dam I was unable to perform a routine inspection.

D. Primary Spillway

- i. Any visible deterioration of structure? Concrete spillway - there was not any noticeable deterioration
- ii. Is there an obvious need to repair or replace trash rack? Not Applicable
- iii. Any noticeable problems with debris? No
- iv. Is valve or gate present? Not Applicable

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Not Applicable
- ii. Describe any deflection or damage observed to the pipe: Not Applicable
- iii. Visible condition of outlet channel: Please see the comment section below.

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? Discharge channel had standing water in it during both inspections.
- 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 will be mailed to Mr. Larry Yonce along with this report.

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

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

Section IV (Conclusions)

General comments and recommendations:

1. Please remember it should be your goal to maintain a grass cover on all portions of the dam. _____

2. On January 24, 2013 water was unable to go under the culvert on Edisto Street. DOT was contacted concerning this and removed a beaver dam on February 04, 2013. A follow-up inspection with Central Office personnel was performed on 2/8/2013. At that time, it appeared that water from the primary spillway was able to pass through the culvert. Please monitor this closely in the future to ensure that water does not begin to back up on the structure again. _____

3. Please closely monitor the dam for any signs of seepage and call us if you notice any cloudy seepage or a change in the amount of seepage. _____

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Could not see entire upstream slope because water level was too high (right emergency spillway in use at the time of the inspection)
- v. Settlement or cracks visible in slope? Could not see entire upstream slope because water level was too high (right emergency spillway in use at the time of the inspection)

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? trees, brush
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? A ditch has formed on the right side of the dam. It begins near the crest.
Is this the right emergency spillway path? Please observe closely for changes.
- v. Settlement or cracks visible in slope? No
- vi. Toe drains flowing?
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: It was raining during the inspection so I could not properly inspect for this.

D. Primary Spillway

- i. Any visible deterioration of structure? Could not see siphon because it was entirely under water
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? No
- iv. Is valve or gate present?

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? Brush on back of dam could hinder flow of water away from the crest
- ii. Animal activity observed? No
- iii. Any noticeable deterioration in the approach or discharge channel? No
- iv. Any visible deterioration of structure's crest? Crest at the right emergency spillway was under water at the time of the inspection.

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? No

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

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

Section IV (Conclusions)

General comments and recommendations:

Dwight Harmon accompanied the inspector on the inspection.

There are small trees and brush growing on the back slope of the dam. Please remove these before they grow larger.

Your goal is to maintain a grass cover across all aspects of the structure - front slope, crest, and back slope (all the way to the toe of the dam).

The water level needs to be lowered in the pond due to the usage of the right emergency spillway. Please determine why the emergency spillway was in use at the time of the inspection. Please repair any damage that may incur on the crest due to the water running across and sitting on the crest.

*** All directions are given looking downstream.

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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)? Trees, leaves
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? Cutting trees (stumps were visible)
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? Yes (might be from tree removal in past)

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, leaves, weeds
- ii. Animal activity observed? No. The entire back slope was not inspected due to site conditions.
- iii. Any obvious alterations or repairs made? Maintenance is being performed
- iv. Erosion observed on down stream slope? Yes. The entire back slope was not inspected due to site conditions.
- v. Settlement or cracks visible in slope? The entire back slope was not inspected due to site conditions.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

- i. Any visible deterioration of structure? Right emergency spillway acts as primary spillway
- ii. Is there an obvious need to repair or replace trash rack? Not Applicable
- iii. Any noticeable problems with debris? No
- iv. Is valve or gate present? Not Applicable

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Old discharge pipe has small trickle of water through it. Mr. Yonce stated that this hasn't changed in over 20 years. Right emergency run-around in use at time of inspection (now primary spillway).
- 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? Left emergency spillway needs to be cleaned out - there is debris, trees, and some weeds
- 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. Auxilliary (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 blank form was left with Mr. Yonce at the time of the inspection.

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:

Mr. Yonce has made progress since the last three years in terms of removing excess vegetation. I was able to inspect a small portion of the backslope (I had not been able to in the past). Please continue to work on removing the unwanted vegetation.

Also, please monitor the areas of erosion and call me if anything changes with these (Mr. Yonce has stated that he hasn't noticed in changes in these areas) or if new areas develop. Some of the areas of erosion are large and could lead to failure.

There is water still coming through the old discharge pipe. Please call the Department if the amount of flow changes or if un-clear water is visible.

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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 0873 & Hazard Class C2 B. Name of Dam: CAPERS POND DAM
C. Inspection Date (12/04/2013) & Time: 1022 D. Date of Last Inspection: (12/07/2010)
E. Location-County/City: EDGEFIELD / NORTH AUGUSTA F. EQC Regional Office: GREENWOOD
G. Inspector's Name: STEPHANIE HACKETT
H. Owner's Name: CAROLYN C BAGGOTT ET AL
I. Contact Person (if different from above): CAROLYN BAGGOTT
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 279 - 4656
Office () -
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 1816 MOUNTSIDE DR
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 [X]

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? The dam crest is Gregory Lake Road (asphalt). Grass under the guard rails. Guard rail on front slope veers towards the pond on the west of the middle of the pond.
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 the asphalt longitudinally and traverse of varying length.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Upper portion of the front slope had recently been mowed. The lower half consisted of trees, brush, and weeds.
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? None observed

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Upper portion had recently been mowed by the DOT. The briars that had been cut were just laying down on the slope still making it difficult to walk this portion. Most of the backslope consisted of trees, weeds, brush, and briars.
- ii. Animal activity observed? Couldn't inspect due to site conditions.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on down stream slope? Couldn't inspect due to site conditions but there were some large areas of erosion visible from the crest.
- v. Settlement or cracks visible in slope? Couldn't inspect due to site conditions.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Couldn't inspect due to site conditions.

D. Primary Spillway

- i. Any visible deterioration of structure? Inlet structure is not level.
- ii. Is there an obvious need to repair or replace trash rack? Yes. Mr. Baggot is still working on getting a new trashrack.
- iii. Any noticeable problems with debris? No.
- iv. Is valve or gate present? Yes. Doesn't work per Mr. Baggott

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Couldn't inspect due to site conditions.
- ii. Describe any deflection or damage observed to the pipe: Couldn't inspect due to site conditions.
- iii. Visible condition of outlet channel: From the crest there appeared to be a large flowing water path.

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? There are two concrete emergency spillway pipes on the right side of the dam. There are trees between the water and the pipes.
- ii. Animal activity observed? No.
- iii. Any noticeable deterioration in the approach or discharge channel? There are trees between the water and the pipes.
- 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? _____

Yes. Central Office Staff is looking to see if they feel the hazard class should be updated to High Hazard. _____

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? No. Mr. Jim Baggot was handed a blank form at the time of the inspection.

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:

Inspector is concerned about the condition of the primary spillway structure (no longer level). It is possible that the cap is not secured to the riser properly. Please investigate this when the new trash rack is installed and adjust how the cap is on the riser accordingly.

Backslope could not be inspected due to site conditions. Upstream slope could not be completely inspected due to site conditions.

Your goal should be to maintain a grass cover across all aspects of the dam - front slope, back slope, and emergency spillway paths.

Closely monitor any areas of erosion. These areas may be need to be fixed.

As a reminder, please contact the Department prior to any non-routine maintenance items since a permit may be required.

*** All directions given in this report are given looking downstream

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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)? Rip-rap has been placed approximately 1/2 to 2/3 of the way up the dam beginning at the water's edge. Grass existed on the remainder of the upstream slope.
- ii. Animal activity observed? No.
- iii. Any obvious alterations or repairs made? No.
- iv. Erosion observed on upstream slope? Yes. Several areas across the dam. Most of these areas were near the crest. Monitor these areas and fill in with compacted soil to prevent further degradation.
- v. Settlement or cracks visible in slope? No.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Downstream slope has been cleared of vegetation since the last inspection. Downstream slope consisted of grass with small trees, weeds, and briars mixed in.
- ii. Animal activity observed? Yes. Critter tracks were evident on the left side of the dam near the abutment.
- iii. Any obvious alterations or repairs made? Vegetation has been cleared since the last inspection.
- iv. Erosion observed on down stream slope? Yes. Erosion observed near the left abutment near the crest of the dam. Monitor these areas and fill in with compacted soil to prevent further degradation.
- 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: Yes. Wet areas existed along the toe of the dam beginning left of the discharge pipe. Areas started approximately 1/3 of the way between the end of the dam and the discharge pipe. Seepage area continued south along the toe to within approximately 10 feet of the discharge channel. Flow was not observed. Varying amounts of turbidity.

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. Ms. Deloach believes the gate is exercised regularly since the dam is lowered upon occasion.

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: 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. 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? No.

I. Emergency Action Plan (EAP)

- i. Emergency Action Plan provided by owner? No. I left a copy of a blank EAP with Ms. Deloach and asked her to mail it back in.
- ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? _____
- iii. Does EAP contain specific actions to take if the dam has failed or is near failure? _____

Section IV (Conclusions)

General comments and recommendations:

Thank you for working to fix the problems listed in past inspections. Please continue to work on keeping a grass cover over all aspects of the dam. As a reminder, please remove all trees/briars/brush that are less than 6" in diameter.

Please monitor the seepage closely and call me immediately if you see an increase in flow or muddy looking water.

Please monitor the critter tracks and erosion areas. Fix these areas as needed to prevent further degradation of the dam.

Clear flow out of the primary spillway discharge at the time of the inspection.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass, trees, weeds. I was unable to perform a full visual inspection of the backslope due to the vegetation
- ii. Animal activity observed? Appeared to be animal tracks in the long grass
- 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: Ground was wet from the rain the night before so this was difficult to inspect

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? Valve stem visible.

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: Trees; not a clear path downstream

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? The downstream side of the pipes was blocked by vegetation. Water should have a clear flow into, through, and out of the emergency spillway pipes (on the right)
- 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

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:

Thank you for the upkeep of the structure. Please remember, your goal is to maintain a grass cover on the front slope and back slope of the dam. Please do routine inspections of the structure yourself to prevent problems in the future. If you notice a problem developing, please feel free to call me.

I was unable to perform my routine inspection on the backslope due to the long grasses as well as the vegetation near the toe of the dam. It was also difficult to get a close look at the discharge pipe due to the vegetation in this area as well.

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

Section I (Owner's Information)

A. Dam Number: D 0884 & Hazard Class C2 B. Name of Dam: Holmes Pond Dam
C. Inspection Date (01/18/2013) & Time: 10:04 D. Date of Last Inspection: (12/02/2010)
E. Location-County/City: Edgefield / Trenton F. EQC Regional Office: Greenwood
G. Inspector's Name: Stephanie Hackett
H. Owner's Name: Dollie Vines and Ben Watson
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other (803) 441 - 8453
K. Dam Owner's or Contact Person's mailing address:
Address 1 625 Whitewood Way and 912 River Oak Drive
Address 2 (optional)
City North Augusta and North Augusta State SC Zip Code 29860 and 29841

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, weeds and briars. I could not inspect the backslope due to the amount of vegetation on the backslope.
- ii. Animal activity observed? Yes. I could not inspect the backslope due to the amount of vegetation on the backslope.
- iii. Any obvious alterations or repairs made? Mr. Watson said they filled in an area on the backslope.
I could not inspect the backslope due to the amount of vegetation on the backslope.
- iv. Erosion observed on down stream slope? I could not inspect the backslope due to the amount of vegetation on the backslope.
- v. Settlement or cracks visible in slope? I could not inspect the backslope due to the amount of vegetation on the backslope.
- 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 on the right side of the toe approximately 5-10 feet upstream of the toe. This area is on Ms. Vines side of the dam. Water appeared clear and it was standing water. Water appeared clear and it was standing water. I could not inspect the backslope due to the amount of vegetation on the backslope.

D. Primary Spillway

- i. Any visible deterioration of structure? Difficult to see due to the vegetation surrounding the structure.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? Yes

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? I could not inspect the area around the outlet pipe due to the large amount of vegetation along the backslope and in the vicinity of the outlet pipe.
- ii. Describe any deflection or damage observed to the pipe: I could not inspect the area around the outlet pipe due to the large amount of vegetation along the backslope and in the vicinity of the outlet pipe.
- iii. Visible condition of outlet channel: _____

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Looks like it has been used recently. There was standing water in the emergency spillway along the backslope.
- ii. Animal activity observed? Had problems inspecting due to the large amount of vegetation.
- iii. Any noticeable deterioration in the approach or discharge channel? No.
- iv. Any visible deterioration of structure's crest? No

F. Auxilliary (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. I handed Mr. Watson a blank copy during the inspection.

I will mail Ms. Vines a blank copy.

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:

1. It should be your goal to maintain a grass cover across all aspects of the structure. I was unable to inspect a large portion of the dam due to the abundance of vegetation.

2. There are possible seepage points on the right hand side of the dam (all directions given looking downstream) 5-10 feet upstream of the toe. There were several puddles of water. The water appeared clear. Please monitor these areas closely call me if you notice the amount of water increasing or a cloudiness to the water.

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Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Leaves, a small amount of grass, pinestraw
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees at toe, most of the downstream slope was covered in leaves
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? Owner has worked on removing excess vegetation off of the backslope of the dam.
- 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: Yes. Several wet areas existed to the right of the spillway discharge area. Some areas were just filled with water. There was at least one area with running water several feet above the toe of the dam approximately 15 feet right of the discharge pipe. There was sediment chunks in the water flow.

D. Primary Spillway

- i. Any visible deterioration of structure? I did not see any evidence of the primary spillway - has it been removed?
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? No
- ii. Describe any deflection or damage observed to the pipe: None.
- iii. Visible condition of outlet channel: Logs and other debris immediately downstream of the discharge pipe.

Although there is not a discharge at this time, water has accumulated at the primary discharge point

F. Auxillary (Emergency) Spillway

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

F. 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 - a blank one will be mailed with this report

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

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

Section IV (Conclusions)

General comments and recommendations:

Erosion on both sides of outlet head wall.

Wet areas to the right of the discharge headwall along the toe of the dam. Inspector unsure if this is a result of low areas, seepage, or a combination of the two.

Owner has cleared the backslope of unwanted vegetation since the last inspection. This allowed the dam to be inspected.

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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 1196 & Hazard Class C2 B. Name of Dam: SALUDA RESERVOIR DAM
C. Inspection Date (12/18/2013) & Time: 09:52 AM D. Date of Last Inspection: (12/20/2010)
E. Location-County/City: SALUDA / SALUDA F. EQC Regional Office: GREENWOOD
G. Inspector's Name: STEPHANIE HACKETT
H. Owner's Name: CLIFF HALL, JERRY HOLMES, DOUG MCDANIEL
I. Contact Person (if different from above): DOUG MCDANIEL
J. Dam Owner's or Contact Person's Phone Numbers: Home () - - - -
Office () - - - -
Other (864) 554 0749
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO BOX 574
Address 2 (optional) _____
City SALUDA, State SC Zip Code 29138 - - - -

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? No
iii. Any obvious alteration or repairs made? Rut on downstream side of the crest on the left side that is holding water
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass, low amount of weeds
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes - several areas adjacent to bank
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass
- ii. Animal activity observed? Possible animal tracks
- 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? _____
- 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? No
- ii. Describe any deflection or damage observed to the pipe: None
- iii. Visible condition of outlet channel: Does not appear to be a clear path for water to leave the area and travel downstream.
Water is pooling at the discharge point. Once the level gets high enough, the water will go right or left of the "island" of trees

F. Auxillary (Emergency) Spillway

- i. Noticeable obstructions to flow? No (right emergency spillway)
- 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:

Nobody met me for the inspection (I called Mr. McDaniel when I was at the gate and he gave me the code to get in)

Outlet pipe not discharging at the time of the inspection

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- 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)? Mostly grass. One large tree on the right side. Brush beginning to grow on left end.
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? Trees have been removed in the past.
- iv. Erosion observed on upstream slope? Yes. Jonathan Allen stated this was from tree removal in the past.
- v. Settlement or cracks visible in slope? NO

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Leaves, pine straw, briars, trees, weeds, tree debris
- ii. Animal activity observed? Couldn't fully inspect the back slope due to site conditions.
- iii. Any obvious alterations or repairs made? NO
- iv. Erosion observed on down stream slope? Yes - most likely from fallen trees
Couldn't fully inspect the back slope due to site conditions.
- v. Settlement or cracks visible in slope? Couldn't fully inspect the back slope due to site conditions.
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Couldn't fully inspect the back slope due to site conditions.

D. Primary Spillway

- i. Any visible deterioration of structure? NO
- ii. Is there an obvious need to repair or replace trash rack? If there is not a trash rack, please have one installed.
- iii. Any noticeable problems with debris? NO
- iv. Is valve or gate present? Not Applicable

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Couldn't fully inspect the area due to site conditions.
- ii. Describe any deflection or damage observed to the pipe: Couldn't fully inspect the area due to site conditions.
- iii. Visible condition of outlet channel: Water has pooled in this area. Due to the site layout, water will have to get several feet in depth in this area in order to be able to flow out. Water should be able to flow freely away from the dam.

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? The emergency spillway path has been boarded up at the crest of the dam. The boards should be removed so that they water can flow freely in this area.
- ii. Animal activity observed? NO
- iii. Any noticeable deterioration in the approach or discharge channel? Standing water on backslope just downstream of discharge from under the crest. Please monitor closely to determine if this is rain water or if seepage is occurring.
- 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. Form 2606 will be mailed with this report.

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

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

Section IV (Conclusions)

General comments and recommendations:

Jonathan Allen (WP Rawl) met me for inspection.

A routine inspection could not be performed due to site conditions on the back slope.

Your goal should be to maintain a grass cover across all aspects of the dam.

Please monitor the areas of erosion to determine if the problems are actively occurring.

Please monitor the ruts on the top of the dam that are holding water. Your crest should be a smooth surface.

Please remember to perform routine inspections to look for problems as they begin to occur.

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 1256 & Hazard Class C2 B. Name of Dam: BURTON POND DAM
C. Inspection Date (12/12/2013) & Time: 11:15 AM D. Date of Last Inspection: (12/14/2010)
E. Location-County/City: SALUDA / RIDGESPRING F. EQC Regional Office: GREENWOOD
G. Inspector's Name: STEPHANIE HACKETT
H. Owner's Name: ANNETTE BURTON
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 685 - 7283
Office () -
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 164 BURTON DRIVE
Address 2 (optional)
City MONETTA, State SC, Zip Code 29105 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass cover, some areas of exposed soil near front slope where soil has been added after beaver damage
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass, exposed soil due to addition of soil after beaver damage
- ii. Animal activity observed? Yes - per owner this is beavers
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? Yes
- v. Settlement or cracks visible in slope? No

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, briars, brush. Down stream slope was not inspectable due to site conditions.
- ii. Animal activity observed? Yes
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? Down stream slope was not inspectable due to site conditions.
- v. Settlement or cracks visible in slope? Down stream slope was not inspectable due to site conditions.
- vi. Toe drains flowing? Not Applicable
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Down stream slope was not inspectable due to site conditions.

D. Primary Spillway

- i. Any visible deterioration of structure? Water has overtopped "old" primary spillway structure. Per Mr. Dubose - beavers blocked this up many years ago. A siphon system was installed on the right side of the dam.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Siphon discharge pipe and old spillway pipe were not inspectable due to site conditions.
- ii. Describe any deflection or damage observed to the pipe: Siphon discharge pipe and old spillway pipe were not inspectable due to site conditions.
- iii. Visible condition of outlet channel: Outlet channel not visible due to site conditions. Water was at the toe of the dam in the vicinity of the old discharge pipe (appeared to be backing up to this point)

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? Right emergency spillway was in use at the time of the inspection. Mr. Al Dubose checks pond frequently and if the water level is above the old primary spillway he opens up the emergency spillway (it does not appear to be original to dam)
- ii. Animal activity observed? Not from what inspector could see from crest
- iii. Any noticeable deterioration in the approach or discharge channel? discharge channel is bare soil
- iv. Any visible deterioration of structure's crest? Right side under water at the time of the inspection - appears that it is bare dirt under the water.

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. Form 2606 will be mailed with this inspection report.

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

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

Section IV (Conclusions)

General comments and recommendations:

Al and Tristan Dubose met the inspector for the inspection. They manage the pond. They have beaver problems with this dam. The dam is checked about every other day. Emergency spillway is opened up when pond level is above old primary spillway. Back slope was not inspectable on the day of the inspection. Al Dubose said they will work on removing the brush but would leave the large trees off of the down stream slope.

Water was approximately 6 inches deep on the crest of the dam in the "right emergency spillway"

*** All directions given looking downstream

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 1600 & Hazard Class C2 B. Name of Dam: CULLUMS POND DAM

C. Inspection Date (12/20/2013) & Time: 1005 D. Date of Last Inspection: (12/14/2010)

E. Location-County/City: SALUDA / WARD F. EQC Regional Office: GREENWOOD

G. Inspector's Name: STEPHANIE HACKETT

H. Owner's Name: KATHY ALLEN

I. Contact Person (if different from above): GREG ALLEN

J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 637 - 6967
Office () -
Other (803) 215 - 3294

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

Address 1 77 MEETING STREET ROAD

Address 2 (optional)

City EDGEFIELD State SC Zip Code 29824 -

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, pine straw
- ii. Animal activity observed? Saw several burrows. Caught otters about 1.5 years ago
- iii. Any obvious alteration or repairs made? No
- iv. Erosion noticed on crest? One hole - possible from a horse per Mr. Allen
- v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Grass, Weeds, Briars
- ii. Animal activity observed? There are some possible burrows near the crest
- iii. Any obvious alterations or repairs made? Mr. Allen has worked on filling in the areas of erosion
- iv. Erosion observed on upstream slope? Several areas of erosion - they are of varying degrees. One area had completely eroded the front slope up to the junction with the crest
- v. Settlement or cracks visible in slope? There is a crack parallel to the crest of the dam near the intersection of the front slope with crest

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Trees, briars, pine straw, Mr. Allen said he clears this about once a year
- ii. Animal activity observed? Couldn't fully inspect the down stream slope due to site conditions
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? A large area of erosion adjacent to the toe on the right side of the dam. you can see water flowing - remove the debris from this area and determine if there is a pipe here or if this is seepage.
- v. Settlement or cracks visible in slope? Couldn't fully inspect the down stream slope due to site conditions
- vi. Toe drains flowing? _____
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Couldn't fully inspect the down stream slope due to site conditions

D. Primary Spillway

- i. Any visible deterioration of structure? There are several pipes that appear to be used as a primary spillway
Determine which pipes should be conveying water at this time.
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? Investigate each pipe that goes through the dam to determine if it is supposed to have water coming through it. Water coming through dam just right of primary outlet - Investigate to see if this is a pipe or seepage
- ii. Describe any deflection or damage observed to the pipe: _____
- iii. Visible condition of outlet channel: Clear

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

Please continue to monitor and perform maintenance on the areas of erosion. It is possible that the slopes are too steep which is why the areas keep eroding. You may want to hire a professional engineer to take a look at the dam to determine its integrity and to help you with suggestions to maintain the structure to help prevent failure.

Please remember that a Permit to Repair/Alter the Dam may needed prior to you performing any non-routine maintenance There is water running parallel to the toe of the dam on the right side. Determine if this is seepage of if this is piped stormwater. Continue to monitor the DOT ditch to ensure the erosion on the ditch does not eat into your dam.

Please remove all debris from the structure. As you do this, check all water that is coming through the dam to determine its source (seepage, pipe, stormwater pipe, etc).

Please also remember that you should maintain a good vegetative (i.e. grass ... not trees) cover on all aspects of the dam

*** Site Address: 659 Thunder Road, Ward, SC

*** All directions given downstream

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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 2030 & Hazard Class C2 B. Name of Dam: Longleaf Plantation
C. Inspection Date (12/19/2014) & Time: 1320 D. Date of Last Inspection: (03/11/2011)
E. Location-County/City: Aiken / Kitchings Mill F. EQC Regional Office: Midlands - Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Gus Schlickendanz
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 649 - 1929 Office (803) 648 - 1802 Other () -
K. Dam Owner's or Contact Person's mailing address: Address 1 1100 Surrey Race Road Address 2 (optional) City Aiken State SC Zip Code 29146 -

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)? Clay Drive (Good Condition)
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)? Cut Brush / Few Smaller Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Cut Brush / Trees (Fair Visiblity)
- 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? 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 Condition

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? None

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

H. Downstream/Hazard Class Issues

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

No Changes 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:

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

Any larger trees should be evaluated and any dead or dying trees removed.

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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.
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- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
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- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

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

D. Primary Spillway

- i. Any visible deterioration of structure? _____
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

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

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

Section IV (Conclusions)

General comments and recommendations:

*Dam failed in 2003 and has not been repaired. Beavers have partially damed up breach, but only impounded a few feet of water.

Dam must not be repaired without permit from SCDHE Bureau of Water.

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)? Brush (Fair Visibility)
- ii. Animal activity observed? Small animal path near spillway.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Brush (Poor visibility in some areas)
- ii. Animal activity observed? Animal path near outlet
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Minor erosion on animal path.
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? No
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Seepage originating in brush left of outlet structure. Seepages does not appear turbid.

D. Primary Spillway

- i. Any visible deterioration of structure? Top of spillway structure covered in vines. Visibility poor.
- ii. Is there an obvious need to repair or replace trash rack? None
- iii. Any noticeable problems with debris? Vines should be removed from top of spillway although not obstructing flow at normal pool.
- iv. Is valve or gate present? None

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

None Noticed

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. Seepage and animal activity should be monitored and addressed as needed.

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 4382 & Hazard Class C2
B. Name of Dam: Pat Williams
C. Inspection Date (12/30/2014) & Time: 1120
D. Date of Last Inspection: (03/01/2011)
E. Location-County/City: Barnwell /
F. EQC Regional Office: Midlands - Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Patrick Williams
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office (800) 633 - 2183 Other (803) 515 - 3938
K. Dam Owner's or Contact Person's mailing address: Address 1 PO Box 525 Address 2 (optional) City Santee State SC Zip Code 29142 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass
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)? This 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 / Smaller Trees (visibility fair)
- ii. Animal activity observed? Burrow approximately near middle of dam half way down slope.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? None
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Seepage noticed near toe approximately half way down dam. Seepage not turbid and does not appear to be moving material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? Metal brace noted in previous inspection repaired.
- iii. Any noticeable problems with debris? No current obstructions however several logs are near the spillway and should be removed from pond.
- iv. Is valve or gate present? None

E. Outlet Pipe

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

F. Auxillary (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).

Any larger trees should be evaluated and any dead or dying trees removed. Animal activity and seepage should be

monitored and addressed if condition worsens.

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 3049 & Hazard Class C2 B. Name of Dam: Matthews Millpond
C. Inspection Date (12/05/2014) & Time: 1320 D. Date of Last Inspection: (03/01/2011)
E. Location-County/City: Barnwell / F. EQC Regional Office: Midlands - Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Brantley Jamison
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 284 -2756
Office () -
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 25580 SC Highway 3
Address 2 (optional)
City Blackville State SC Zip Code 29817 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Mostly Grass
ii. Animal activity observed? Cattle Tracks
iii. Any obvious alteration or repairs made? Any larger trees should be evaluated and any dead or dying trees removed.
iv. Erosion noticed on crest? Minor erosion associated with cattle traffic.
v. Any visible settlement, misalignment or cracks? None

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Weeds
- ii. Animal activity observed? Several cattle trails to waters edge along slope
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Some erosion associated with cattle trails.
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Trees (visibility fair)
- ii. Animal activity observed? Cattle Trails
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some associated with cattle trails
- v. Settlement or cracks visible in slope? Any larger trees should be evaluated and any dead or dying trees removed.
- 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 areas of possible seepage or groundwater noticed at toe of dam in trees. Water appears to be clear and not carrying material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Not currently however dilapidated bridge is above spillway which would cause a very large obstruction if it were to fall. The bridge should be removed before this happens. This has been noted in several past inspections.
- iv. Is valve or gate present? Gates

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 to be in good condition

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? Little cattle traffic
- 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:

The dam received an overall poor condition assessment due to to the failure to remove the falling bridge from spillway as noted in several inspections. Cattle trails should be monitored closely and associated erosion repaired periodically or cattle should be fenced off from dam. Vegetation and trees should be cut and removed from downstream slope of dam. Possible seepage areas should also be monitored for changes in flow or 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.
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- E) Location-County/City; Enter the county and city, if applicable, where the dam is located.
- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.
- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Weeds (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)? Grass at outlet rest mostly Brush / Trees (visibility low)
- 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 observed

D. Primary Spillway

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

Any larger trees should be evaluated and any dead or dying trees removed.

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.
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- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
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- 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 3052 & Hazard Class C2 B. Name of Dam: Folk's Upper
C. Inspection Date (12/05/2014) & Time: 1145 D. Date of Last Inspection: (03/01/2011)
E. Location-County/City: Barnwell / F. EQC Regional Office: Mindlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: John C. Folk
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (864) 446 - 7988
Office () -
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box338
Address 2 (optional)
City Abbeville, State SC Zip Code 29620 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass / Two Rut Rd in good condition
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)? Mostly grass some bare areas
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Erosion (possible wind wave) to the right side of spillway
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Brush / Some trees at toe (visibility fair)
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Minor erosion noted on slope above outlet
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

- i. Any visible deterioration of structure? None
- 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? 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 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. 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? _____

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:

Any larger trees should be evaluated and any dead or dying trees removed. Erosion on upstream and downstream slopes should be monitored and addressed as needed.

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 3071 & Hazard Class C2 B. Name of Dam: Busbee Pond
C. Inspection Date (12/03/2014) & Time: 1000 D. Date of Last Inspection: (03/10/2011)
E. Location-County/City: Orangeburg / F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Darren Fanning
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 536-0453 Office () - Other (803) 682-5226
K. Dam Owner's or Contact Person's mailing address: Address 1 335 Todd Creek Address 2 (optional) City Neeses State SC Zip Code 29107 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass / Weeds
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 (low visibility)
- ii. Animal activity observed? Small animal path
- 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)? Tall Weeds / Brush (poor 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: Seep observed left side of dam. Clear, doesn't appear to be moving material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- 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? 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: Some erosion of left side of channel but 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).

Seep should be routinely monitored for any changes in flow or turbidity.

Preliminary Dam Inspection Disclaimer:

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

**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 3690 & Hazard Class C2 B. Name of Dam: Harley's Millpond
C. Inspection Date (12/03/2014) & Time: 1500 D. Date of Last Inspection: (03/10/2011)
E. Location-County/City: Orangeburg / _____ F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Jim Holstein
I. Contact Person (if different from above): _____
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 533 - 0148
Office (____) _____ - _____
Other (____) _____ - _____
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box 311
Address 2 (optional) _____
City North State SC Zip Code 29112 - _____

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
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)? Grass / Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some minor erosion at outlet wing wall.
- 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? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Some vegetation growing in riser. Needs to be removed.
- iv. Is valve or gate present? _____

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 Good Condition

F. Auxillary (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

**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)? Trees (Visibility low)
- 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 observed

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Some vegetation growing and needs to be removed
- 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 in good condition

F. Auxiliary (Emergency) Spillway

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

F. 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).

Any larger trees should be evaluated and any dead or dying trees removed.

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.



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

September 11, 2012

Mr. Jasper Morris
387 Reedy Fork Rd
Aiken, SC 29801

Re: Reinspection of Dam D-2045, Jasper Morris Pond Dam, Aiken County

Dear Mr. Morris:

This office performed a routine inspection of the Jasper Morris Pond Dam on March 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 Jasper Morris Pond Dam will be inspected again in three (3) 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 March 19, 2012

Dam D-2045, Jasper Morris Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Brittney Ennis

Representatives of Owner Present:

None.

Items requiring correction/checking:

None, other than recommendations below.

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

None.

General Recommendations:

1. Evidence of possible aquatic animal activity/traffic/potential burrowing was observed. Monitor for any impact and or burrowing into the dam. A thorough evaluation should be performed by a qualified individual, to determine the extent of any structural impact on the dam. Burrowing/impacts can occur below the water line and not be apparent. A corrective action plan/repairs should be implemented as necessary to maintain the integrity of the dam.
2. Ensure vegetation/brush is cut/removed from the up & downstream slope and the emergency spillway of the dam on a regular basis. Recommended annually.

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

March 20, 2013

Mr. Edward M. Courtney, Sr.
490 Douglas Dr.
Beech Island, SC 29842

Re: Reinspection of Dam D-1992, McElmurray Pond Dam, Aiken County

Dear Mr. Courtney:

This office performed a routine inspection of the McElmurray Pond Dam on February 4, 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 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 McElmurray Pond Dam will be inspected again in three (3) 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 February 4, 2013

Dam D-1992, McElmurray Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Edward M. Courtney, Sr..

Items requiring correction/checking:

None.

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

None.

General Recommendations:

1. Weeds and brush should be cut/removed from around the outlet structure, crest, downstream and upstream slope on a regular basis (recommended minimum annually).
2. Evidence of potential aquatic animal activity/traffic/potential burrowing was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan/repairs should be implemented as necessary to maintain the integrity of the dam.

Emergency Action Plan Updated No

Signature of Person Completing Form

Scott Simons



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 18, 2013

Mr. Hamilton Dicks IV
PO Box 175
Barnwell, SC 29812

Re: Inspection of Dam D-3059, Anderson Pond Dam, Barnwell County

Dear Mr.Dicks:

This office performed a routine inspection of the Anderson Pond Dam on January 13, 2013. The dam appears to be functioning properly and maintained very well, but received a rating of "Fair" due to the large trees on the dam. 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 Anderson Pond Dam will be inspected again in three (3) 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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date January 13, 2013

Dam D-3059, Anderson Pond Dam, Barnwell County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Hamilton Dicks III

Items requiring correction/checking:

None except for the recommendation to remove trees below.

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

None.

General Recommendations:

1. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.

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

March 25, 2013

Mr. Laymon Cooke
158 Green Briar Cove
Barnwell, SC 29812

Re: Inspection of Dam D-4378, William Bolen Pond Dam, Barnwell County

Dear Mr. Cooke:

This office performed a routine inspection of the William Bolen Pond Dam on January 23, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to some maintenance issues. 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 Anderson Pond Dam will be inspected again in three (3) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-642-1637.

Sincerely,

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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC
Troy & Carol Lee Mathias, 111 Hollow Farm Rd., Barnwell, SC 29812

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

Serving Aiken, Allendale, Bamberg, Barnwell, Calloun and Orangeburg Counties

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INSPECTION REPORT

Date January 23, 2010

Dam D-4378, William Bolen Pond Dam, Barnwell County

Representatives of SCDHEC Present:
Scott Simons

Representatives of Owner Present:
Laymon Cooke
Troy Mathias
Carol Lee Mathias

Items requiring correction/checking:

1. All weeds, brush and small trees should be removed from the up & downstream slopes and within 20 feet of the discharge pipe to the outlet.
2. Appears there could be animal activity/burrowing on the downstream slope near the toe of the dam in the general area of where the outlet pipe is and to the south. Investigate/monitor these/any areas on the dam and repair with appropriate soil and stabilize with grass/seed as necessary.

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

1. Excess vegetation and trees on dam (1995, 1998, 2002, 2004, 2010).

General Recommendations:

1. Potential seepage at the toe of the dam near the middle. Routinely monitor and if muddy or increased flow contact SC DHEC.
2. Any large trees that are removed from the dam should also have their stumps/roots removed and area backfilled with appropriate soil, compacted & stabilized with grass/seeding. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed in removing large trees.
3. Ensure emergency spillway and primary spillway outlet is clear of any obstructions such as brush/small trees to ensure adequate functionality.

Emergency Action Plan Updated Yes

Signature of Person Completing Form



DHEC 2604 (6/94)



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 2030 & Hazard Class C2 B. Name of Dam: Longleaf Plantation
C. Inspection Date (12/19/2014) & Time: 1320 D. Date of Last Inspection: (03/11/2011)
E. Location-County/City: Aiken / Kitchings Mill F. EQC Regional Office: Midlands - Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Gus Schlickendanz
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 649 - 1929 Office (803) 648 - 1802 Other () - - - -
K. Dam Owner's or Contact Person's mailing address: Address 1 1100 Surrey Race Road Address 2 (optional) City Aiken State SC Zip Code 29146 - - - -

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)? Clay Drive (Good Condition)
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)? Cut Brush / Few Smaller Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Cut Brush / Trees (Fair Visiblity)
- 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? 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 Condition

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

v. If applicable, any observed exposure of rebar reinforcement? None

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

H. Downstream/Hazard Class Issues

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

No Changes 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:

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

Any larger trees should be evaluated and any dead or dying trees removed.

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)? _____
- ii. Animal activity observed? _____
- iii. Any obvious alterations or repairs made? _____
- iv. Erosion observed on upstream slope? _____
- v. Settlement or cracks visible in slope? _____

C. Down Stream Slope

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

D. Primary Spillway

- i. Any visible deterioration of structure? _____
- ii. Is there an obvious need to repair or replace trash rack? _____
- iii. Any noticeable problems with debris? _____
- iv. Is valve or gate present? _____

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? _____

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

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

Section IV (Conclusions)

General comments and recommendations:

*Dam failed in 2003 and has not been repaired. Beavers have partially dammed up breach, but only impounded a few feet of water.

Dam must not be repaired without permit from SCDHE Bureau of Water.

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Brush (Poor visibility in some areas)
- ii. Animal activity observed? Animal path near outlet
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Minor erosion on animal path.
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? No
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Seepage originating in brush left of outlet structure. Seepages does not appear turbid.

D. Primary Spillway

- i. Any visible deterioration of structure? Top of spillway structure covered in vines. Visibility poor.
- ii. Is there an obvious need to repair or replace trash rack? None
- iii. Any noticeable problems with debris? Vines should be removed from top of spillway although not obstructing flow at normal pool.
- iv. Is valve or gate present? None

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

None Noticed

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. Seepage and animal activity should be monitored and addressed as needed.

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 4382 & Hazard Class C2 B. Name of Dam: Pat Williams

C. Inspection Date (12/30/2014) & Time: 1120 D. Date of Last Inspection: (03/01/2011)

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

G. Inspector's Name: Josh Yon

H. Owner's Name: Patrick Williams

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

J. Dam Owner's or Contact Person's Phone Numbers: Home (____) ____ - ____
Office (800) 633 - 2183
Other (803) 515 - 3938

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

Address 1 PO Box 525

Address 2 (optional) _____

City Santee, State SC Zip Code 29142 - ____

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)? This 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 / Smaller Trees (visibility fair)
- ii. Animal activity observed? Burrow approximately near middle of dam half way down slope.
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? None
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Seepage noticed near toe approximately half way down dam. Seepage not turbid and does not appear to be moving material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? Metal brace noted in previous inspection repaired.
- iii. Any noticeable problems with debris? No current obstructions however several logs are near the spillway and should be removed from pond.
- iv. Is valve or gate present? None

E. Outlet Pipe

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

F. Auxillary (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).

Any larger trees should be evaluated and any dead or dying trees removed. Animal activity and seepage should be monitored and addressed if condition worsens.

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Impoundment Structures Regulations – DHEC 2604
R.72-1 through R.72-9**

INSTRUCTIONS

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

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- A) Dam Number; Enter the Dam's inventory number.
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- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.
- J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.
- K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

Section II (Dam Condition):

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

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Weeds
- ii. Animal activity observed? Several cattle trails to waters edge along slope
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Some erosion associated with cattle trails.
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Trees (visibility fair)
- ii. Animal activity observed? Cattle Trails
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some associated with cattle trails
- v. Settlement or cracks visible in slope? Any larger trees should be evaluated and any dead or dying trees removed.
- 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 areas of possible seepage or groundwater noticed at toe of dam in trees. Water appears to be clear and not carrying material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Not currently however dilapidated bridge is above spillway which would cause a very large obstruction if it were to fall. The bridge should be removed before this happens. This has been noted in several past inspections.
- iv. Is valve or gate present? Gates

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 to be in good condition

F. Auxiliary (Emergency) Spillway

- i. Noticeable obstructions to flow? None
- ii. Animal activity observed? Little cattle traffic
- 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:

The dam received an overall poor condition assessment due to to the failure to remove the falling bridge from spillway as noted in several inspections. Cattle trails should be monitored closely and associated erosion repaired periodically or cattle should be fenced off from dam. Vegetation and trees should be cut and removed from downstream slope of dam. Possible seepage areas should also be monitored for changes in flow or turbidity.

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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 3051 & Hazard Class C2 B. Name of Dam: Mixon Pond Dam

C. Inspection Date (12/05/2014) & Time: 1030 D. Date of Last Inspection: (03/01/2011)

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

G. Inspector's Name: Josh Yon

H. Owner's Name: Thomas Mixon

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

J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 827 - 0595
Office (____) _____
Other (____) _____

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

Address 1 PO Box 276

Address 2 (optional) _____

City Clearwater State SC Zip Code 29822 - _____

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 *Very Wide Dam
- 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 (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)? Grass at outlet rest mostly Brush / Trees (visibility low)
- 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 observed

D. Primary Spillway

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

Any larger trees should be evaluated and any dead or dying trees removed.

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 3052 & Hazard Class C2 B. Name of Dam: Folk's Upper
C. Inspection Date (12/05/2014) & Time: 1145 D. Date of Last Inspection: (03/01/2011)
E. Location-County/City: Barnwell / F. EQC Regional Office: Mindlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: John C. Folk
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (864) 446 - 7988
Office () -
Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box338
Address 2 (optional)
City Abbeville, State SC Zip Code 29620 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass / Two Rut Rd in good condition
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)? Mostly grass some bare areas
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? Erosion (possible wind wave) to the right side of spillway
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Brush / Some trees at toe (visibility fair)
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Minor erosion noted on slope above outlet
- v. Settlement or cracks visible in slope? None
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

- i. Any visible deterioration of structure? None
- 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? 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 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. 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? _____

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:

Any larger trees should be evaluated and any dead or dying trees removed. Erosion on upstream and downstream slopes should be monitored and addressed as needed.

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 3071 & Hazard Class C2 B. Name of Dam: Busbee Pond
C. Inspection Date (12/03/2014) & Time: 1000 D. Date of Last Inspection: (03/10/2011)
E. Location-County/City: Orangeburg / F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Darren Fanning
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 536-0453 Office () - Other (803) 682-5226
K. Dam Owner's or Contact Person's mailing address: Address 1 335 Todd Creek Address 2 (optional) City Neeses State SC Zip Code 29107 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Grass / Weeds
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 (low visibility)
- ii. Animal activity observed? Small animal path
- 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)? Tall Weeds / Brush (poor 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: Seep observed left side of dam. Clear, doesn't appear to be moving material.

D. Primary Spillway

- i. Any visible deterioration of structure? None
- 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? 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: Some erosion of left side of channel but 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).

Seep should be routinely monitored for any changes in flow or turbidity.

Preliminary Dam Inspection Disclaimer:

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

**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 3690 & Hazard Class C2 B. Name of Dam: Harley's Millpond
C. Inspection Date (12/03/2014) & Time: 1500 D. Date of Last Inspection: (03/10/2011)
E. Location-County/City: Orangeburg / _____ F. EQC Regional Office: Midlands Aiken
G. Inspector's Name: Josh Yon
H. Owner's Name: Jim Holstein
I. Contact Person (if different from above): _____
J. Dam Owner's or Contact Person's Phone Numbers: Home (803) 533 - 0148
Office (____) _____ - _____
Other (____) _____ - _____
K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box 311
Address 2 (optional) _____
City North State SC Zip Code 29112 - _____

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
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)? Grass / Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on upstream slope? None
- v. Settlement or cracks visible in slope? None

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Grass / Trees
- ii. Animal activity observed? None
- iii. Any obvious alterations or repairs made? None
- iv. Erosion observed on down stream slope? Some minor erosion at outlet wing wall.
- 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? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Some vegetation growing in riser. Needs to be removed.
- iv. Is valve or gate present?

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 Good Condition

F. Auxillary (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

**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)? Trees (Visibility low)
- 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 observed

D. Primary Spillway

- i. Any visible deterioration of structure? None
- ii. Is there an obvious need to repair or replace trash rack? N/A
- iii. Any noticeable problems with debris? Some vegetation growing and needs to be removed
- 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 in good condition

F. Auxiliary (Emergency) Spillway

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

F. 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).

Any larger trees should be evaluated and any dead or dying trees removed.

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.



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

September 11, 2012

Mr. Jasper Morris
387 Reedy Fork Rd
Aiken, SC 29801

Re: Reinspection of Dam D-2045, Jasper Morris Pond Dam, Aiken County

Dear Mr. Morris:

This office performed a routine inspection of the Jasper Morris Pond Dam on March 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 Jasper Morris Pond Dam will be inspected again in three (3) 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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Region 5

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INSPECTION REPORT

Date March 19, 2012

Dam D-2045, Jasper Morris Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott L. Simons

Brittney Ennis

Representatives of Owner Present:

None.

Items requiring correction/checking:

None, other than recommendations below.

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

None.

General Recommendations:

1. Evidence of possible aquatic animal activity/traffic/potential burrowing was observed. Monitor for any impact and or burrowing into the dam. A thorough evaluation should be performed by a qualified individual, to determine the extent of any structural impact on the dam. Burrowing/impacts can occur below the water line and not be apparent. A corrective action plan/repairs should be implemented as necessary to maintain the integrity of the dam.
2. Ensure vegetation/brush is cut/removed from the up & downstream slope and the emergency spillway of the dam on a regular basis. Recommended annually.

Emergency Action Plan Updated No

Signature of Person Completing Form





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 20, 2013

Mr. Edward M. Courtney, Sr.
490 Douglas Dr.
Beech Island, SC 29842

Re: Reinspection of Dam D-1992, McElmurray Pond Dam, Aiken County

Dear Mr. Courtney:

This office performed a routine inspection of the McElmurray Pond Dam on February 4, 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 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 McElmurray Pond Dam will be inspected again in three (3) 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 February 4, 2013

Dam D-1992, McElmurray Pond Dam, Aiken County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Edward M. Courtney, Sr..

Items requiring correction/checking:

None.

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

None.

General Recommendations:

1. Weeds and brush should be cut/removed from around the outlet structure, crest, downstream and upstream slope on a regular basis (recommended minimum annually).
2. Evidence of potential aquatic animal activity/traffic/potential burrowing was observed. Monitor for any increase in impact and or burrowing into the dam. A corrective action plan/repairs should be implemented as necessary to maintain the integrity of the dam.

Emergency Action Plan Updated No

Signature of Person Completing Form

Scott Simons



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 18, 2013

Mr. Hamilton Dicks IV
PO Box 175
Barnwell, SC 29812

Re: Inspection of Dam D-3059, Anderson Pond Dam, Barnwell County

Dear Mr.Dicks:

This office performed a routine inspection of the Anderson Pond Dam on January 13, 2013. The dam appears to be functioning properly and maintained very well, but received a rating of "Fair" due to the large trees on the dam. 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 Anderson Pond Dam will be inspected again in three (3) 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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC

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INSPECTION REPORT

Date January 13, 2013

Dam D-3059, Anderson Pond Dam, Barnwell County

Representatives of SCDHEC Present:

Scott Simons

Representatives of Owner Present:

Hamilton Dicks III

Items requiring correction/checking:

None except for the recommendation to remove trees below.

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

None.

General Recommendations:

1. Trees should be removed from the dam and specifically any dead/diseased trees. Any trees removed should have their stump and roots removed also. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed.

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

March 25, 2013

Mr. Laymon Cooke
158 Green Briar Cove
Barnwell, SC 29812

Re: Inspection of Dam D-4378, William Bolen Pond Dam, Barnwell County

Dear Mr. Cooke:

This office performed a routine inspection of the William Bolen Pond Dam on January 23, 2013. The dam appears to be functioning properly, but received a "Fair" rating due to some maintenance issues. 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 Anderson Pond Dam will be inspected again in three (3) years. If you need any assistance or have any questions prior to the next inspection, please do not hesitate to contact us at (803)-642-1637.

Sincerely,

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

Enclosures

cc: Bill Chaplin, Bureau of Water - SCDHEC
Troy & Carol Lee Mathias, 111 Hollow Farm Rd., Barnwell, SC 29812

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INSPECTION REPORT

Date January 23, 2010

Dam D-4378, William Bolen Pond Dam, Barnwell County

Representatives of SCDHEC Present:
Scott Simons

Representatives of Owner Present:
Laymon Cooke
Troy Mathias
Carol Lee Mathias

Items requiring correction/checking:

1. All weeds, brush and small trees should be removed from the up & downstream slopes and within 20 feet of the discharge pipe to the outlet.
2. Appears there could be animal activity/burrowing on the downstream slope near the toe of the dam in the general area of where the outlet pipe is and to the south. Investigate/monitor these/any areas on the dam and repair with appropriate soil and stabilize with grass/seed as necessary.

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

1. Excess vegetation and trees on dam (1995, 1998, 2002, 2004, 2010).

General Recommendations:

1. Potential seepage at the toe of the dam near the middle. Routinely monitor and if muddy or increased flow contact SC DHEC.
2. Any large trees that are removed from the dam should also have their stumps/roots removed and area backfilled with appropriate soil, compacted & stabilized with grass/seeding. Please contact John Poole at (803) 898-4212 or pooleja@dhec.sc.gov concerning any required permitting before any work is performed in removing large trees.
3. Ensure emergency spillway and primary spillway outlet is clear of any obstructions such as brush/small trees to ensure adequate functionality.

Emergency Action Plan Updated Yes

Signature of Person Completing Form



DHEC 2604 (6/94)