

Section I (Owner's Information)	
A. Dam Number: D <u>4033</u> & Hazard Class 1 B. Na	me of Dam: Strom Dam
C. Inspection Date (04/24/20 15) & Time: 11:00 a.m. D. Da	te of Last Inspection: (10/01/2013_)
E. Location-County/City: Greenville / Marietta F. EC	C Regional Office: Upstate EQC Greenville
G. Inspector's Name: Melissa Dawkins	
H. Owner's Name: Nancy Strom	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other (352-3)22-5628 (mobile)
K. Dam Owner's or Contact Person's mailing address:	
A -labora - 4, 220 Silver Crook Bood	
Address 1 220 Silver Creek Road	
Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un	
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist)	Zip Code _29650
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest	Zip Code _29650
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest	Zip Code _29650 satisfactory e) Not Rated
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds were observed. A few III iii. Animal activity observed? None observed	Zip Code _29650 satisfactory e) Not Rated
Address 2 (optional) City Greer , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds were observed. A few iii. Animal activity observed? None observed iii. Any obvious alteration or repairs made? None observed. The owner	Zip Code _29650 satisfactory

B. Upstream Slope i. Vegetation (grass, trees weeds)? The thick vegetation, including weeds, small trees, brush, and other deleterious vegetation, must be cut
and removed. Portions of the dam could not be inspected due to the thick vegetation. See Section IV, item 1.
ii. Animal activity observed? None observed but could not fully inspect because of thick vegetation
iii. Any obvious alterations or repairs made? None observed but could not fully inspect because of thick vegetation. The owner was
in the process of removing trees and woody vegetation during the inspection and debris piles were observed. These debris piles must be removed.
iv. Erosion observed on upstream slope? None observed but could not fully inspect because of thick vegetation
v. Settlement or cracks visible in slope? None observed but could not fully inspect because of thick vegetation
C. Down Stream Slope
i. Vegetation (grass, trees weeds)? The thick vegetation, including weeds, small trees, brush, and other deleterious vegetation, must be cut
and removed. Portions of the dam could not be inspected due to the thick vegetation. Large trees (diameter >4") were also observed. See Section IV, items 1 and 2.
ii. Animal activity observed? Could not fully inspect due to thick vegetation
iii. Any obvious alterations or repairs made? Could not fully inspect due to thick vegetation. The owner was in the process of
removing trees and woody vegetation during the inspection and debris piles were observed. These debris piles must be removed.
iv. Erosion observed on down stream slope? Could not fully inspect due to thick vegetation
v. Settlement or cracks visible in slope? Could not fully inspect due to thick vegetation
vi. Toe drains flowing? None seen
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow:
D. Primary Spillwayi. Any visible deterioration of structure? The primary spillway had been cut down to 2' above the bottom and was wrapped with hardware
cloth to prevent debris from clogging the outlet. An above-ground siphon system was also in place. See Section IV, item 3.
ii. Is there an obvious need to repair or replace trash rack? No, however, wire around outlet structure must be inspected
regularly to ensure it does not become clogged and allow the dam to impound water
iii Any nationalla problema with debrie?
III. Any noticeable problems with debris?
iv. Is valve or gate present? Yes, the valve is currently open to maintain the pond in a drained state.
100, the valve is currently open to maintain the policina diameter state.
E. Outlet Pipe
i. Any water visibly flowing or leaking outside of the discharge pipe? Could not inspect due to flowing water and thick
vegetation
ii. Describe any deflection or damage observed to the pipe: Could not inspect due to flowing water and thick
vegetation
iii. Visible condition of outlet channel: Good with little to no erosion observed
F. Auxiliary (Emergency) Spillway
i. Noticeable obstructions to flow? The concrete pipe on the left side was observed as the emergency spillway. Some debris was present
around the pipe and should be removed.
ii. Animal activity observed? None observed
iii. Any noticeable deterioration in the approach or discharge channel? Bare areas were observed in the approach and

discharge channels. This area should be re-seeded and monitored to ensure grass is established. iv. Any visible deterioration of structure's crest? The concrete pipe was partially exposed; however, no damage to the pipe was
The concrete pipe was partially exposed; however, no damage to the pipe was

DHEC 2604 (Rev 11/2011)

observed.

	par reinforcement? Not applicable
vi. If applicable, any visible leakage below co	ncrete spillway? Not applicable
H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downs	stream of the dam that affects the hazard classification?
NO	
i. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner in file is dated 5/20/14.	? No, updated EAP must be submitted on or before 9/11/15. Current EA
ii. Does EAP contains emergency alert notific	cation 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?
General comments and recommendations	S:
	S: en, and the dam was impounding only a few inches of water. According to Ms. Strom
During the inspection, the pond was drained, the valve was ope	
During the inspection, the pond was drained, the valve was ope she does not have intentions to refill the pond at this time. Plant	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualified
During the inspection, the pond was drained, the valve was ope she does not have intentions to refill the pond at this time. Ple South Carolina licensed professional engineer would be required to	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualified of evaluate the overall condition of the dam and the Department must be notified in writing
During the inspection, the pond was drained, the valve was open she does not have intentions to refill the pond at this time. Place South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you	en, and the dam was impounding only a few inches of water. According to Ms. Strom
During the inspection, the pond was drained, the valve was ope she does not have intentions to refill the pond at this time. Ple South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick vegetation are considered to the constraint of the dam.	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualified o evaluate the overall condition of the dam and the Department must be notified in writing u can perform complete inspections of the dam and associated structures on a regular
During the inspection, the pond was drained, the valve was open she does not have intentions to refill the pond at this time. Place South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick we Grass is the ideal ground cover for a dam.	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualified o evaluate the overall condition of the dam and the Department must be notified in writing u can perform complete inspections of the dam and associated structures on a regular
During the inspection, the pond was drained, the valve was ope she does not have intentions to refill the pond at this time. Ple South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick vegetation is the ideal ground cover for a dam. 2. Prior to re-impounding water and prior to cutting the larger tree.	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualified of evaluate the overall condition of the dam and the Department must be notified in writing u can perform complete inspections of the dam and associated structures on a regular egetation has been removed, an appropriate ground cover must be established
During the inspection, the pond was drained, the valve was open she does not have intentions to refill the pond at this time. Place South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick vegetation is the ideal ground cover for a dam. 2. Prior to re-impounding water and prior to cutting the larger tree beyond the toe or 25' beyond the toe, whichever is greater) must	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualifier of evaluate the overall condition of the dam and the Department must be notified in writing u can perform complete inspections of the dam and associated structures on a regular egetation has been removed, an appropriate ground cover must be established ees, the larger trees (on the entire dam and extending one-half the height of the dam
During the inspection, the pond was drained, the valve was oper she does not have intentions to refill the pond at this time. Ple South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick vegetation is the ideal ground cover for a dam. 2. Prior to re-impounding water and prior to cutting the larger tree beyond the toe or 25' beyond the toe, whichever is greater) must if they should be removed. A tree management plan would not seen the same of the proof of the proof of the dam.	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualifier of evaluate the overall condition of the dam and the Department must be notified in writing uncan perform complete inspections of the dam and associated structures on a regular egetation has been removed, an appropriate ground cover must be established ees, the larger trees (on the entire dam and extending one-half the height of the dam be evaluated by a qualified South Carolina licensed professional engineer to determine
During the inspection, the pond was drained, the valve was open she does not have intentions to refill the pond at this time. Place South Carolina licensed professional engineer would be required to 1. The vegetation must remain at a manageable level so that you basis to ensure safe operation of the dam. Once the thick vegetasis is the ideal ground cover for a dam. 2. Prior to re-impounding water and prior to cutting the larger tree beyond the toe or 25' beyond the toe, whichever is greater) must if they should be removed. A tree management plan would not be necessary for removal of the large trees; contact Date of the	en, and the dam was impounding only a few inches of water. According to Ms. Strom lease note that, prior to re-impounding water, a thorough inspection by a qualifier of evaluate the overall condition of the dam and the Department must be notified in writing u can perform complete inspections of the dam and associated structures on a regular egetation has been removed, an appropriate ground cover must be established ees, the larger trees (on the entire dam and extending one-half the height of the dam are evaluated by a qualified South Carolina licensed professional engineer to determine eed to be developed to address the long-term plans for tree removal. Permits many

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

- b) FAIR- No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.
- c) POOR- A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.
- d) UNSATISFACTORY- A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.
- e) NOT RATED- This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.

This section is self-explanatory and guides the inspector though the inspection process. Follow the dam inspection checklist to complete the inspection. Mark any deficiencies observed during the inspection. If there were the deficiencies reported during the last inspection cycle check to see if they were corrected. If items are not applicable to the inspection of the dam, mark not applicable. If the dams has issues that are not covered in this section of the form make note of them in section IV.

Section IV(Conclusions):

Use the space to list additional responsible parties (dam owners) and issues found during the inspection that are not addressed in section III, as well as any general comments and recommendations generated during the inspection.



Section I (Owner's Information)	
A. Dam Number: D <u>4037</u> & Hazard Class <u>S1</u> B. Na	me of Dam: Houck Pond
C. Inspection Date (04/10/20 14) & Time: 11:50 a.m. D. Da	te of Last Inspection: (02 / 15 / 2012 _)
E. Location-County/City:	C Regional Office: Upstate EQC Greenville
G. Inspector's Name: Melissa Dawkins, John Cobb	
H. Owner's Name: Gary Bruce Houck	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 P.O. Box 322	
Address 1 P.O. Box 322 Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional) City Travelers Rest , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist)	
Address 2 (optional) City Travelers Rest , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un	Zip Code _29690
Address 2 (optional) City Travelers Rest , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest	Zip Code _29690
Address 2 (optional) City Travelers Rest , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass in good condition was observed.	Zip Code _29690
Address 2 (optional) City Travelers Rest , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Un Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass in good condition was observed. ii. Animal activity observed? None observed	Zip Code _29690

i. Vegetation (grass, trees v	weeds)? Thick vegetation, including weeds, small trees, shrubs, brush, and other deleterious vegetation, must be
cut and removed. The upstream slope co	uld not be fully inspected due to the thick vegetation. See Section IV, item 1.
ii. Animal activity observed	None observed but could not fully inspect because of thick vegetation
iii. Any obvious alterations	or repairs made? None observed but could not fully inspect because of thick vegetation
iv. Erosion observed on ups	stream slope? Could not fully inspect because of thick vegetation
v. Settlement or cracks visib	ole in slope? Could not fully inspect because of thick vegetation
C. Down Stream Slope	
 Vegetation (grass, trees) 	veeds)? Grass in good condition was observed on the right side and middle of the dam. Ivy was observed on
the rock portion at the bottom of the dam;	this should be cut and removed. Thick vegetation was observed on the left side. See Section IV, items 1, 2, and 3
ii. Animal activity observed	? Yes, possible animal holes were observed all over the face of the dam. Monitor the dam regularly to ensure
•	ent. Remove using legal means, as necessary.
iii. Any obvious alterations	or repairs made? None observed
in Francisco absorbed an dec	our change along Q. We alway fish day held (Qually up a based on the left side and side to the AQ
iv. Erosion observed on dov	•
down slope, near the overflow pipe and t	
	ole in slope? Yes, a crack was observed in the middle of the dam, extending approximately 10' down slope
and 30' to the right. See Section IV, item	
vi. Toe drains flowing? The	e toe drain to the left of the outlet pipe was not flowing.
A	If an almost harden we have
vii. Any seepage observed?	
flow rate, and any turbidity	or color within the flow:
D. Primary Spillwayi. Any visible deterioration of	f structure? Could not inspect because of thick vegetation and water surface elevation
	. S. S. S. S. Could flot hispect because of thick vegetation and water surface elevation
	Could not inspect because of thick vegetation and water surface elevation
ii le there an obvious need	to reneit or realess treels reals?
	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was
observed inside the trash rack.	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was
	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was
observed inside the trash rack.	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed.
observed inside the trash rack. iii. Any noticeable problems	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. the presence of debris.
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for the stru	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. the presence of debris.
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present?	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. the presence of debris.
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for t iv. Is valve or gate present? E. Outlet Pipe	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. the presence of debris.
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for t iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. the presence of debris. None observed or leaking outside of the discharge pipe? Could not fully inspect because of flowing water
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for t iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was With debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for t iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. he presence of debris. None observed The debris must be removed. Could not fully inspect because of flowing water
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for t iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed The debris must be removed. Could not fully inspect because of flowing water Could not fully inspect because of flowing water Could not fully inspect because of flowing water
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of it. Describe any deflection of it.	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed The debris must be removed. Could not fully inspect because of flowing water Could not fully inspect because of flowing water Could not fully inspect because of flowing water
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iiii. Visible condition of outlet	with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed The debris must be removed. Could not fully inspect because of flowing water
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of it. Describe any deflection of it.	with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed The debris must be removed. Could not fully inspect because of flowing water amage observed to the pipe: Could not fully inspect because of flowing water amage observed to the pipe: Could not fully inspect because of flowing water amage observed. Could not fully inspect because of flowing water amage observed to the pipe: Could not fully inspect because of flowing water amage.
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet F. Auxiliary (Emergency) Spin. Noticeable obstructions to	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed To leaking outside of the discharge pipe? Could not fully inspect because of flowing water To damage observed to the pipe: Could not fully inspect because of flowing water Could not fully inspect because of flowing water Channel: Good condition with minimal erosion
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet F. Auxiliary (Emergency) Spin. Noticeable obstructions to	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was With debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed Could not fully inspect because of flowing water Channel: Good condition with minimal erosion
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet iii. Visible condition of outlet iii. Noticeable obstructions to No obstructions to flow were observed; here	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed Could not fully inspect because of flowing water Channel: Good condition with minimal erosion The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. Determine the pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway.
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet F. Auxiliary (Emergency) Spit. Noticeable obstructions to No obstructions to flow were observed; he ii. Animal activity observed?	to repair or replace trash rack? Yes, the trash rack appeared to be very rusty and debris was with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed Or leaking outside of the discharge pipe? Could not fully inspect because of flowing water The damage observed to the pipe: Could not fully inspect because of flowing water The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. Determine the country of the pipe on the left was observed as the auxiliary spillway. None observed
iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet iii. Visible condition of outlet ii. Noticeable obstructions to No obstructions to flow were observed; he ii. Animal activity observed? iii. Any noticeable deteriorate	with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed Or leaking outside of the discharge pipe? Could not fully inspect because of flowing water admage observed to the pipe: Could not fully inspect because of flowing water admage. Could not fully inspect because of flowing water admage. Could not fully inspect because of flowing water admage. Channel: Good condition with minimal erosion Dillway flow? The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. Owever, no trash rack was in place on the end of the pipe. See Section IV, item 5. None observed Yes, erosion was observed at the outlet of the
observed inside the trash rack. iii. Any noticeable problems Monitor the outlet structure regularly for to iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing of iii. Describe any deflection of iii. Visible condition of outlet iii. Visible condition of outlet iv. No obstructions to flow were observed; he ii. Animal activity observed? iii. Any noticeable deteriorate	with debris? Debris was observed collected on and inside the trash rack. The debris must be removed. The presence of debris. None observed Or leaking outside of the discharge pipe? Could not fully inspect because of flowing water remains a contract of the pipe: Could not fully inspect because of flowing water could not fully inspect because of flowing water remains a contract of the pipe: Could not fully inspect because of flowing water could not fully inspect because of flowing water remains a contract of the pipe in the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway. The metal pipe that connects to a corrugated plastic pipe on the left was observed as the auxiliary spillway.

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforcement?	Not applicable
vi. If applicable, any visible leakage below concrete spillway?	Not applicable
H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the dam the state of the dam the state of the dam the state of	hat affects the hazard classification?
None observed from the crest of the dam	
i. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner? No, EAP must be	e submitted on or before 12/20/14.
ii. Does EAP contains emergency alert notification plan? If so, w	hen was it last updated?
iii. Does EAP contain specific actions to take if the dam has faile	ed or is near failure?
Section IV (Conclusions)	
Section IV (Conclusions) General comments and recommendations:	
	olete inspections of the dam and associated structures
General comments and recommendations:	elete inspections of the dam and associated structures
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform comp	
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform compon a regular basis to ensure safe operation of the dam.	s vegetation, must be cut and removed from the entire
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform compon a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleterious	is vegetation, must be cut and removed from the entire be, whichever is greater. Once the thick vegetation has
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform compon a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleterious dam and extending one-half the height of the dam beyond the toe or 25' beyond the toe.	is vegetation, must be cut and removed from the entire be, whichever is greater. Once the thick vegetation has the ideal ground cover for a dam.
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform compon a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleteriou dam and extending one-half the height of the dam beyond the toe or 25' beyond the tobeen removed, an appropriate ground cover must be established. Grass is	s vegetation, must be cut and removed from the entire be, whichever is greater. Once the thick vegetation has the ideal ground cover for a dam.
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform compon a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleteriou dam and extending one-half the height of the dam beyond the toe or 25' beyond the tobeen removed, an appropriate ground cover must be established. Grass is 3. Large trees were observed on the left side, near the groin. The larger trees (on the extending trees).	is vegetation, must be cut and removed from the entire be, whichever is greater. Once the thick vegetation has the ideal ground cover for a dam. Entire dam and extending one-half the height of the dam alified S.C. licensed professional engineer to determine
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform component on a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleterious dam and extending one-half the height of the dam beyond the toe or 25' beyond the toe been removed, an appropriate ground cover must be established. Grass is 3. Large trees were observed on the left side, near the groin. The larger trees (on the enterior beyond the toe or 25' beyond the toe, whichever is greater) must be evaluated by a quality of the second of the toe or 25' beyond the toe, whichever is greater) must be evaluated by a quality of the toe or 25' beyond the toe, whichever is greater)	is vegetation, must be cut and removed from the entire one, whichever is greater. Once the thick vegetation has the ideal ground cover for a dam. The ideal ground cover for a dam.
General comments and recommendations: 1. The vegetation must remain at a manageable level so that you can perform component on a regular basis to ensure safe operation of the dam. 2. Thick vegetation, including weeds, small trees, shrubs, brush, and other deleterious dam and extending one-half the height of the dam beyond the toe or 25' beyond the toe peen removed, an appropriate ground cover must be established. Grass is 3. Large trees were observed on the left side, near the groin. The larger trees (on the elety on the toe or 25' beyond the toe, whichever is greater) must be evaluated by a qualif they should be removed. A tree management plan must be developed to address	is vegetation, must be cut and removed from the entire be, whichever is greater. Once the thick vegetation has the ideal ground cover for a dam.

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

- b) FAIR- No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.
- c) POOR- A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.
- d) UNSATISFACTORY- A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.
- e) NOT RATED- This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.

This section is self-explanatory and guides the inspector though the inspection process. Follow the dam inspection checklist to complete the inspection. Mark any deficiencies observed during the inspection. If there were the deficiencies reported during the last inspection cycle check to see if they were corrected. If items are not applicable to the inspection of the dam, mark not applicable. If the dams has issues that are not covered in this section of the form make note of them in section IV.

Section IV(Conclusions):

Use the space to list additional responsible parties (dam owners) and issues found during the inspection that are not addressed in section III, as well as any general comments and recommendations generated during the inspection.



Section I (Owner's Information)	
A. Dam Number: D <u>4099</u> & Hazard Class <u>1</u> B. Na	ame of Dam: North Stone Lake
C. Inspection Date (12/16/20 13) & Time: 11:45 a.m. D. Da	ate of Last Inspection: (12/09/2011_)
E. Location-County/City: Greenville / Greenville F. EC	QC Regional Office: Upstate EQC Greenville
G. Inspector's Name: Melissa Dawkins	
H. Owner's Name: North Stone Lake Association (note that county records list as Stone	ake Association, which is a separate entity)
I. Contact Person (if different from above): Russell Batson	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dom Owner's or Centagt Person's mailing address:	Other (<u>864</u>) <u>320</u> <u>8062</u> _
K. Dam Owner's or Contact Person's mailing address:	
•	
Address 1 22 Stono Drive	
Address 1 22 Stono Drive Address 2 (optional)	
Address 1 22 Stono Drive Address 2 (optional) City Greenville , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following):	
Address 1 22 Stono Drive Address 2 (optional) City Greenville , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following):	Zip Code _29609
Address 1 22 Stono Drive Address 2 (optional) City Greenville, State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair	Zip Code _29609
Address 1 22 Stono Drive Address 2 (optional) City Greenville , State SC Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Ur Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Road across crest. Sewer line in the roperiodically to ensure that there is no deterioration to the sewer line that could affect the dam. ii. Animal activity observed? None observed	Zip Code _29609

these areas should be reseeded. ii. Animal activity observed? None observed iii. Any obvious alterations or repairs made? None observed
,
iii. Any obvious alterations or repairs made? None observed
iv. Erosion observed on upstream slope? Erosion was observed along the water's edge, especially at the pipe outlet into the lake on
the left. Monitor these areas to ensure that the erosion does not worsen. If it does, then slope protection along the water's edge may be needed.
v. Settlement or cracks visible in slope? None observed
C. Down Stream Slope
i. Vegetation (grass, trees weeds)? Thick vegetation, including weeds, trees, shrubs, brush, and other deleterious vegetation, must be cut and
removed. Portions of the dam could not be inspected due to the thick vegetation. See Section IV, items 2, 3, and 4.
ii. Animal activity observed? None observed but could not fully inspect because of thick vegetation
iii. Any obvious alterations or repairs made? None observed but could not fully inspect because of thick vegetation
iv. Erosion observed on down stream slope? None observed but could not fully inspect because of thick vegetation
v. Settlement or cracks visible in slope? None observed but could not fully inspect because of thick vegetation
vi. Toe drains flowing? None seen
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: Seepage may be entering the storm drain system on the right side of the dam. This should be monitored regularly to ensure that the flows do not
increase and become turbid. This would indicate a very serious situation and the Department should be notified immediately.
D. Primary Spillway i. Any visible deterioration of structure? None observed
ii. Is there an obvious need to repair or replace trash rack? None observed
iii. Any noticeable problems with debris? None observed
iv. Is valve or gate present? None seen
E. Outlet Pipei. Any water visibly flowing or leaking outside of the discharge pipe? None observed but could not access the outlet because
of water backed up along the toe of the slope and into the outlet pipe.
ii. Describe any deflection or damage observed to the pipe: None observed but could not access the outlet because
of water backed up along the toe of the slope and into the outlet pipe. iii. Visible condition of outlet channel: Water was observed backing up onto the slope into the outlet pipe. This issue must be evaluated
by a qualified SC licensed professional engineer to determine whether the backed-up water is causing any concerns with the safe operation of the dam.
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? No emergency spillway was observed
ii. Animal activity observed? Not applicable
II. Animal activity observed? Not applicable
iii. Any noticeable deterioration in the approach or discharge channel? Not applicable
iv. Any visible deterioration of structure's crest? Not applicable

v. If applicable, any	observed exposure of rebar re	inforcement?	Not applicable
vi. If applicable, any	visible leakage below concrete	e spillway?	Not applicable
H. Downstream/Haza i. Any noticeable cha		n of the dam th	nat affects the hazard classification? No
. Emergency Action i. Emergency Action		No, EAP must be	e submitted by 10/15/14.
ii. Does EAP contair	ns emergency alert notification	plan? If so, w	hen was it last updated?
iii. Does EAP contai	n specific actions to take if the	dam has faile	d or is near failure?
General comments	and recommendations:	the crest, in the ro	oad. Make sure this is uncovered and maintained in
General comments 1. A storm drain that was	and recommendations:	·	oad. Make sure this is uncovered and maintained in
General comments 1. A storm drain that was good working order so the	covered with debris was observed on nat water does not pool on the cres	t.	
General comments 1. A storm drain that was good working order so the thick vegetation	covered with debris was observed on nat water does not pool on the cres	t. und cover must be	established. Grass is the ideal ground cover for a dan
General comments 1. A storm drain that was good working order so the control of	covered with debris was observed on nat water does not pool on the cres	t. und cover must be you can perform	established. Grass is the ideal ground cover for a dam
General comments 1. A storm drain that was good working order so the control of	covered with debris was observed on that water does not pool on the cres has been removed, an appropriate group emain at a manageable level so that easis to ensure safe operation of the	t. und cover must be you can perform e dam.	established. Grass is the ideal ground cover for a dan complete inspections of the dam and associated
1. A storm drain that was good working order so the control of the	covered with debris was observed on that water does not pool on the cres has been removed, an appropriate grown and a manageable level so that easis to ensure safe operation of the evaluated by a qualified South Carolina	t. und cover must be you can perform e dam. a licensed profession	established. Grass is the ideal ground cover for a dam complete inspections of the dam and associated onal engineer to determine if they should be removed
General comments 1. A storm drain that was good working order so the control of	covered with debris was observed on that water does not pool on the cres has been removed, an appropriate grown and a manageable level so that easis to ensure safe operation of the evaluated by a qualified South Carolina	t. und cover must be you can perform e dam. a licensed profession long-term plans	established. Grass is the ideal ground cover for a dam complete inspections of the dam and associated onal engineer to determine if they should be removed for tree removal. Permits may be necessary for e whether permits are necessary.
General comments 1. A storm drain that was good working order so the control of	covered with debris was observed on that water does not pool on the cress has been removed, an appropriate grown and a manageable level so that the passis to ensure safe operation of the evaluated by a qualified South Carolina must be developed to address the	t. und cover must be you can perform e dam. a licensed profession long-term plans	established. Grass is the ideal ground cover for a dam complete inspections of the dam and associated onal engineer to determine if they should be removed for tree removal. Permits may be necessary for
General comments 1. A storm drain that was good working order so the control of	covered with debris was observed on that water does not pool on the cress has been removed, an appropriate grown and a manageable level so that the passis to ensure safe operation of the evaluated by a qualified South Carolina must be developed to address the	t. und cover must be you can perform e dam. a licensed profession long-term plans	established. Grass is the ideal ground cover for a dam complete inspections of the dam and associated onal engineer to determine if they should be removed for tree removal. Permits may be necessary for

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

- b) FAIR- No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.
- c) POOR- A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.
- d) UNSATISFACTORY- A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.
- e) NOT RATED- This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.

This section is self-explanatory and guides the inspector though the inspection process. Follow the dam inspection checklist to complete the inspection. Mark any deficiencies observed during the inspection. If there were the deficiencies reported during the last inspection cycle check to see if they were corrected. If items are not applicable to the inspection of the dam, mark not applicable. If the dams has issues that are not covered in this section of the form make note of them in section IV.

Section IV(Conclusions):

Use the space to list additional responsible parties (dam owners) and issues found during the inspection that are not addressed in section III, as well as any general comments and recommendations generated during the inspection.



C. Inspection Date (<u>04/02/20 <u>14</u>) & Time: <u>8:55 a.m.</u> D. Date of</u>	of Dam: Stiwinter Pond
	or Dam
E. Location-County/City: Pickens / Pickens F. EQC F	of Last Inspection: (02/15/2012_)
	Regional Office: Upstate EQC Greenville
G. Inspector's Name: Melissa Dawkins	
H. Owner's Name: Donald McGill; Sandra Galloway	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dom Ouman's as Contact Description and the con-	Other (<u>864-31</u> 3-8816 (<u>Donald McGill)</u>
K. Dam Owner's or Contact Person's mailing address:	
Address 1 160 Turtle Creek Road (McGill); 214 Anthony Road (Galloway)	
Address 2 (optional)	
Section II (Dam Condition)	
Section II (Dam Condition) General Condition Assessment (Select one of the following):	
General Condition Assessment (Select one of the following):	sfactory e) Not Rated
General Condition Assessment (Select one of the following):	sfactory e) Not Rated
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsati Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds were observed on the major	, <u> </u>
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsati Section III (Dam Inspection Checklist) A. Dam Crest	, <u> </u>
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsati Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds were observed on the major were observed near the fence, on the right side. These areas should be reseeded.	, <u> </u>
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsatised the following of the following	, <u> </u>

Upstream Slope Vegetation (grass, trees wee	ds)? Thick vegetation, including	g weeds, brush, and of	ther deleterious vegetation, must be cut and removed.
see Section IV, item 1. ii. Animal activity observed?	None observed but could not fully	inspect because of the	nick vegetation
iii. Any obvious alterations or r	epairs made? None obse	erved but could not fu	Ily inspect because of thick vegetation
iv. Erosion observed on upstrea	am slope? None observed	but could not fully ins	pect because of thick vegetation
v. Settlement or cracks visible i	n slope? None observed but	could not fully inspec	ct because of thick vegetation
C. Down Stream Slope			
i. Vegetation (grass, trees wee	•		shrubs, brush, and other deleterious vegetation, must
		-	the toe, whichever is greater. See Section IV, items 1 and 2.
ii. Animal activity observed?	None observed but could not fully	inspect because of the	nick vegetation
iii. Any obvious alterations or r	epairs made? None obse	erved but could not fu	lly inspect because of thick vegetation
iv. Erosion observed on down s	stream slope? Some rills	and sloughing were ol	bserved; however, they were covered by pine needles
and did not appear to be current. These areas	should be repaired to prevent furt	her erosion. Monitor t	these areas to ensure the erosion does not worsen.
v. Settlement or cracks visible i	n slope? None observed but	could not fully inspec	ct because of thick vegetation
vi. Toe drains flowing? None ob	served but could not fully inspect I	pecause of thick vege	otation
vii. Any seepage observed? If s flow rate, and any turbidity or c		one observed but cou	uld not fully inspect because of thick vegetation
D. Primary Spillway i. Any visible deterioration of stregularly to ensure that it does not worsen. If it ii. Is there an obvious need to r	changes, then the lake level should	be lowered immediate	to be slightly tilted. This condition should be monitored ely to investigate the problem. See Section IV, item 3.
iii. Any noticeable problems wit	h debris? None observed		
iv. Is valve or gate present? No)		
E. Outlet Pipe i. Any water visibly flowing or le	eaking outside of the disc	charge pipe?	None observed
ii. Describe any deflection or da	amage observed to the p	pipe:	None observed
iii. Visible condition of outlet ch	annel: Good condition with littl	le to no erosion observ	ved. Some debris was observed at the end of the outlet
pipe, but Mr. McGill removed it during the insp	ection. Monitor the pipe regularly	to ensure that it does	not become clogged.
F. Auxiliary (Emergency) Spillsi. Noticeable obstructions to flow	^-	the spillway on the le	eft side. This should be removed immediately. It was
difficult to determine whether an additional spil ii. Animal activity observed?	lway was in place on the right side	; if one is in place, the	en it is full of trees.
right side	TYONE ODSERVED ON THE IER SIDE. CO	Jaia Hot fully Illspect t	pecause of thick vegetation and lack of access on the
iii. Any noticeable deterioration	in the approach or disch	narge channel?	None observed on the left side. Could not fully inspect
because of thick vegetation and lack of access		3- 0	Trans abserved on the left side. Could not fully Inspect
iv. Any visible deterioration of s	tructuro'o oroot?	served on the left side	c. Could not fully inspect because of thick vegetation and
lack of access on the right side	Notice of	Sociated on the left side	Journal Household Because of thick vegetation and

v. If applicable	e, any observed exposure of rebar reinforcement? Not applicable
vi. If applicable	e, any visible leakage below concrete spillway? Not applicable
	n/Hazard Class Issues ble changes immediately downstream of the dam that affects the hazard classification?
observed from the	e crest of the dam. If you feel that the classification should be changed because of the downstream residen
not being occupied	, then you can provide a request and an engineering study supporting that to John Poole with Permitting in Columb
	Action Plan (EAP) Action Plan provided by owner? No, EAP must be submitted on or before 12/14/14
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?
	Conclusions)
General com	ments and recommendations:
General com 1. Portions of the da	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you c
General com 1. Portions of the di perform complete in	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thin
General com 1. Portions of the di perform complete in vegetation has be	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thick een removed, an appropriate ground cover must be established. Grass is the ideal ground cover for a data
General com 1. Portions of the da perform complete in vegetation has be 2. Large trees were	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thin
General com 1. Portions of the da perform complete in vegetation has be 2. Large trees were beyond the toe or 2	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thick een removed, an appropriate ground cover must be established. Grass is the ideal ground cover for a date observed on the downstream slope. The larger trees (on the entire dam and extending one-half the height of the day.
General com 1. Portions of the da perform complete in vegetation has be 2. Large trees were beyond the toe or 2 to determine if the	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thick een removed, an appropriate ground cover must be established. Grass is the ideal ground cover for a day observed on the downstream slope. The larger trees (on the entire dam and extending one-half the height of the days beyond the toe, whichever is greater) must be evaluated by a qualified South Carolina licensed professional engine
General com 1. Portions of the day perform complete in vegetation has be 2. Large trees were beyond the toe or 2 to determine if the Permits may be ne	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thick een removed, an appropriate ground cover must be established. Grass is the ideal ground cover for a date observed on the downstream slope. The larger trees (on the entire dam and extending one-half the height of the date
General com 1. Portions of the da perform complete in vegetation has be 2. Large trees were beyond the toe or 2 to determine if the Permits may be need 3. Water was flowing	ments and recommendations: am could not be inspected due to the thick vegetation. The vegetation must remain at a manageable level so that you conspections of the dam and associated structures on a regular basis to ensure safe operation of the dam. Once the thick een removed, an appropriate ground cover must be established. Grass is the ideal ground cover for a date observed on the downstream slope. The larger trees (on the entire dam and extending one-half the height of the date

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

- b) FAIR- No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.
- c) POOR- A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.
- d) UNSATISFACTORY- A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.
- e) NOT RATED- This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.

This section is self-explanatory and guides the inspector though the inspection process. Follow the dam inspection checklist to complete the inspection. Mark any deficiencies observed during the inspection. If there were the deficiencies reported during the last inspection cycle check to see if they were corrected. If items are not applicable to the inspection of the dam, mark not applicable. If the dams has issues that are not covered in this section of the form make note of them in section IV.

Section IV(Conclusions):

Use the space to list additional responsible parties (dam owners) and issues found during the inspection that are not addressed in section III, as well as any general comments and recommendations generated during the inspection.