

March 12, 2013

Alva C. Kirby 2148 Heath Pond Road Elgin, SC 29045

RE: Kirby Pond Dam Dam No. D-1068 Kershaw County

Dear Mrs. Kirby:

On February 20, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Kirby Pond Dam (D-1068). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

- 1. Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.
- 2. There was an eroded area on the down stream slope of the dam near the outfall pipe that needs to be monitored. It may be necessary to place suitable fill material in this area in the future.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any downstream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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 1068 & Hazard Class II B. Name of Dam: KIRBY POND DAM
C. Inspection Date (2/20/20 13) & Time: 1330 D. Date of Last Inspection: (12/35/20/0)
E. Location-County/City: KERSHAW FLGIN F. EQC Regional Office: Pee Dee - SUMTER
G. Inspector's Name: Harry Haymon
H. Owner's Name: ALVA C. KIRBY
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 2/48 HEATH POND ROAD
Address 2 (optional)
City ELG / N State SC Zip Code 29045
8
Section II (Dam Condition)
Section II (Dam Condition) General Condition Assessment (Sélect one of the following):
General Condition Assessment (Sélect one of the following):
General Condition Assessment (Sélect one of the following): a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Sélect 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)? DAM CREST IS A DIRT ROAD VERV LITTLE GRASS BN CREST ii. Animal activity observed? NO iii. Any obvious alteration or repairs made? NO

; .	pstream Slope
1. \	/egetation (grass, trees weeds)? MOSTLY GRASS \$ WFFDS -
	ONE LARGE TREE THAT NEEDS YOBE MONITOR
H. 4	Animal activity observed?
ili.	Any obvious alterations or repairs made? \mathcal{NO}
iv. I	Erosion observed on upstream slope?
v. 5	Settlement or cracks visible in slope? NO
C. De	own Stream Slope
i. V	regetation (grass, trees weeds)? GRASS AND BRUSH
il. /	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv. E	rosion observed on down stream slope? ONE EROSIONAL HREA
v S	THAT NELDS 70 BE WATCHED, NEAR OUTFAL settlement or cracks visible in slope?
	NO.
vi. 1	oe drains flowing?
	A
	Any seepage observed? If so, describe location,
IIOW	rate, and any turbidity or color within the flow:
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). Pr	mary Spillway
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	ny visible deterioration of structure?
	there an obvious need to repair or replace trash rack?
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	ry (Emergency) Spillway continued icable, any observed exposure of rebar reinforcement?
v. If appli	icable, any observed exposure of rebar reinforcement?
vi. If appl	licable, any visible leakage below concrete spillway?
	tream/Hazard Class Issues ticeable changes immediately downstream of the dam that affects the hazard classification? νu
I. Emerge i. Emerge	ency Action Plan (EAP) ency Action Plan provided by owner? TO BE PROUIDED
ii. Does E	EAP contains emergency alert notification plan? If so, when was it last updated?
iii. Does I	EAP contain specific actions to take if the dam has failed or is near failure?
Section	IV (Conclusions)
General	comments and recommendations:
 -	
	
<u> </u>	
The information of and/or repair action of advice for services engineering professores or implies are basewater is a hazard	Dam Inspection Disclaimer: contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenance ons to reduce their danger to human life or property only. It is not intended as professional engineering or consulting ions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the sprovided by registered professional engineers. If your dam is experiencing an unusual situation consult with essionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of commental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either ad. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. All disolety on visual observations of the inspector at the time of the inspection. Common law holds that the storage of lous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam ensible for the safe operations and maintenance of their impoundment structures.

DHEC 2604 (Rev 11/2011)



March 12, 2013

Jeff Jaco Sarah Emanuel Trust 2600 Ridgeway Road Ridgeway, SC 29130

RE: Bowen Pond Dam Dam No. D-1138 Kershaw County

Dear Mr. Jaco:

On February 20, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Bowen Pond Dam (D-1138). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

1. Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any downstream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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: D1138 & Hazard Class	3. Name of Dam: BOWEN POND DAM
). Date of Last Inspection: ([2/23/2010])
E. Location-County/City: KERSHAW! ELGIN	EQC Regional Office: PEE DEE SUMTE
G. Inspector's Name: HARRY GAYMO	N
H. Owner's Name: SARAH EMANUEL	TRUST
I. Contact Person (if different from above): JFFF	
J. Dam Owner's or Contact Person's Phone Numbers:	Home (803) 791-8800
	Office ()
K. Darn Owner's or Contact Person's mailing address:	Other ()
Address 1 2600 RIDGEWAY R	4A0
•	
Address 2 (optional), State Se	Zip Code 2_ 9 1 3 Q
ony	
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	g):
a) Satisfactory b) Fair c) Poor	l) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)?	
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made? NO	
-	
iv. Erosion noticed on crest?	
iv. Erosion noticed on crest? v. Any visible settlement, misalignment or cracks?	

B. Upstream Slope	
i. Vegetation (grass, trees we	eds)? GRASS, WFEDS, BRUSH
ii. Animal activity observed?	No
iii. Any obvious alterations or	repairs made? NO
for Familian abandud an analas	
iv. Erosion observed on upstre	eam slope? NO
v. Settlement or cracks visible	in slope? NO
C. Down Stream Slope	
i. Vegetation (grass, trees were DFF 500	eds)? WEEDS, BRUSH (to BE BURN
ii. Animal activity observed?	N), LARGE TREES
iii. Any obvious alterations or a	repairs made? NO
iv. Erosion observed on down	stream slope? NO
v. Settlement or cracks visible	in slope?
vi. Toe drains flowing?	177
VI. 1 OE diams liowing?	NO.
Primary Spillway i. Any visible deterioration of st	
i. Any visible deterioration of st	repair or replace trash rack? NEW BOARDS
i. Any visible deterioration of st	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY
ii. Is there an obvious need to r	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY
ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems wit iv. Is valve or gate present? E. Outlet Pipe	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE
ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems wit iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or le	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE eaking outside of the discharge pipe? NO RIP-RAP
ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems wit iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or le	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE eaking outside of the discharge pipe? NO RIP-RAP VD PIPE SINCE LAST' INSPECTION
ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems wit iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or le	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE eaking outside of the discharge pipe? NO RIP-RAP VD PIPE SINCE LAST' INSPECTION
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ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems wit iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or le PLACED ATOUR ii. Describe any deflection or da iii. Visible condition of outlet cha	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE caking outside of the discharge pipe? NO RIP-RAP YD PIPE SINCE LAST INSPECTION amage observed to the pipe: NONE
ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems with iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or letter problems or date. DLACED AZOUN ii. Describe any deflection or date.	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE eaking outside of the discharge pipe? NO RIP-RAP AND PIPE SINCE LAST' INSPECTION amage observed to the pipe: NONE annel: GOOD
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ii. Is there an obvious need to r RECENTLY iii. Any noticeable problems with iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or letter problems any deflection or date. iii. Describe any deflection or date. Auxiliary (Emergency) Spillwown in Noticeable obstructions to flow it. Animal activity observed?	repair or replace trash rack? NEW BOARDS LACED IN SPILL WAY th debris? NO GATE eaking outside of the discharge pipe? NO RIP-RAP AD PIPE SINCE LAST' INSPECTION amage observed to the pipe: NONE annel: GOOD vay v? NO n

		r) Spillway continue erved exposure of re		rement?	ALAN	e t NA	
v. ii appii	Cable, ally 0090	sived exposure or re	Dai Tellilon	ocment:		// 11	
		A- 11			Ho Ho	NA	
vi. ir appi	icable, any visit	ole leakage below co	ncrete spil	iway?	NO.	NH	
	tream/Hazard (iceable change	Class Issues immediately down	stream of t	he dam th	at affects the	hazard classif	ication? N
. Emerge	ncy Action Pla	n (EAP) n provided by owner	2 TD	RF	DDAV	IDEN	
i. Lineige	noy Addon't lai	i provided by owner	. 10	<u> </u>	1 20.	· Ph ·	
ii. Does E	AP contains er	nergency alert notific	cation plan	? If so, wh	en was it last	updated?	
iii Does I	FAP contain en	ecific actions to take	if the dam	hae faile	l or is near fail	ure?	
III. DOGS I	Ar journain spi	concactors to take	II uic uaiii	ilas ialici	i or is fical fail	ule:	
	V (Conclusi						
		ONS) I recommendations	s:				
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Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)



September 29, 2015

Runnymede Homeowners Association Attn: Ruben Gray P.O. Box 2332 Sumter, S.C. 29150

RE: Routine Inspection of Dam D-1442, "Dubose Pond" Dam

Dear Mr. Gray:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on September 21st, 2015. Thank you for meeting me for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- Several stumps are present on the dam. These should be removed and backfilled with a suitable fill material.
- There are number of trees on the dam. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - o Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - O A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - o This department strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" (and their root systems) gradually over the course of several years.

If you are willing to submit a copy of the report of the third-party evaluation that was mentioned during this inspection, that information would allow future inspections from this office to monitor any areas that might be of concern.

Thank you for submitting a copy of the Surveillance, Emergency Notification, and Action Plan during the inspection. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.



During the inspection, I gave you a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region - Sumter 105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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 1442 & Hazard Class C2	B. Name of Dam: Dubose Pond Dam
C. Inspection Date (09/21/20 15) & Time: 10:00	D. Date of Last Inspection: (01 / 25 / 2012 _)
E. Location-County/City:	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Runnymede Homeowners Association	
I. Contact Person (if different from above): Ruben Gray	· · · · · · · · · · · · · · · · · · ·
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (803) 934 - 0800
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 P.O. Box 2332	*
Address 2 (optional)	
, ,	e S.C. Zip Code 29150 -
Section II (Dam Condition)	
General Condition Assessment (Select one of the follow-	owing):
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, a couple of stumps	that are rotting that should be removed and backfilled
ii. Animal activity observed? Some small patches looked dug-up	o, Mr. Gray indicated they were caused by deer activity
iii. Any obvious alteration or repairs made? No	
iv. Erosion noticed on crest? None observed	
v. Any visible settlement, misalignment or cracks? None	observed
DHEC 2604 (Rev 11/2011)	

vegeta	tion (grass, trees weeds)? Grass, trees
ii. Animal	activity observed? None observed
iii. Any ok	ovious alterations or repairs made? No
iv. Erosion	n observed on upstream slope? None observed
v. Settlem	ent or cracks visible in slope? None observed
Down S	tream Slope
	tion (grass, trees weeds)? Thick vegetation, trees, at least one stump that should be removed and backfilled
ii. Animal	activity observed? None observed
iii. Any ob	ovious alterations or repairs made? No
iv. Erosio	n observed on down stream slope? None observed
v. Settlem	ent or cracks visible in slope? None observed
vi. Toe dra	ains flowing? No toe drains observed
here had been Primary	bla datavianation of atmosphere
here had been J. Primary i. Any visi	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern.
here had been D. Primary i. Any visi ii. Is there	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable
i. Is there	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. ticeable problems with debris? None observed
i. Is there	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view.
i. Is there iii. Any no iv. Is valve	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. ticeable problems with debris? None observed No gate, no valve
i. Is there iii. Any no iv. Is valve E. Outlet F i. Any wat	and any turbidity or color within the flow: an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. ticeable problems with debris? None observed Pipe
i. Is there iii. Any no iv. Is valve E. Outlet F i. Any wat f seepage was	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. Iticeable problems with debris? None observed Pipe The problem of the discharge pipe? Some undercutting apparent, couldn't determine observed.
i. Is there iii. Any no iv. Is valve i. Any wat if seepage was ii. Describ	and any turbidity or color within the flow: an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. ticeable problems with debris? None observed e or gate present? No gate, no valve Pipe ter visibly flowing or leaking outside of the discharge pipe? Some undercutting apparent, couldn't determine the cause due to steep slope and thick vegetation.
i. Is there iii. Any no iv. Is valve E. Outlet F i. Any wat f seepage was ii. Describ iii. Visible Auxiliar	and any turbidity or color within the flow: observed when the pond is closer to full pool. Mr. Gray indicated that an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. Iticeable problems with debris? None observed Pipe Terrior or place trash rack? Some undercutting apparent, couldn't determine the cause due to steep slope and thick vegetation. The pipe observed observed None observed None observed None observed None observed
i. Is there ii. Is there iii. Any visi iv. Is valve iv. Is valve i. Any wat if seepage was ii. Describ iii. Visible i. Noticeal	and any turbidity or color within the flow: an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. Iticeable problems with debris? None observed Pipe Ter visibly flowing or leaking outside of the discharge pipe? Some undercutting apparent, couldn't determine the cause due to steep slope and thick vegetation. The any deflection or damage observed to the pipe: Appears okay Y (Emergency) Spillway
ii. Is there iii. Any visi iv. Is valve iv. Is valve i. Any wat is seepage was ii. Describ iii. Visible i. Noticeat ii. Animal	and any turbidity or color within the flow: an evaluation of the dam since the last inspection that had indicated other potential areas of concern. Spillway ble deterioration of structure? Appears acceptable an obvious need to repair or replace trash rack? Trash rack seemed to be in place, did not have a clear view. ticeable problems with debris? None observed e or gate present? No gate, no valve Pipe ter visibly flowing or leaking outside of the discharge pipe? some undercutting apparent, couldn't determine the cause due to steep slope and thick vegetation. The any deflection or damage observed to the pipe: None observed Appears okay y (Emergency) Spillway ple obstructions to flow? NA: No emergency or runaround spillway.

vi. If applicable,	any visible leakage below concrete spillway? N/A
	Hazard Class Issues e changes immediately downstream of the dam that affects the hazard classification?
The Sumter-Lee de	tention center was built 10+ years ago, but is on the edge of the potential inundation zone.
	may be necessary to determine if this warrants reclassifying to High Hazard.
I. Emergency Ad i. Emergency Ad	ction Plan (EAP) ction Plan provided by owner? Yes
ii. Does EAP co	ntains emergency alert notification plan? If so, when was it last updated? Yes, 2015
iii. Does EAP co	ontain specific actions to take if the dam has failed or is near failure? Yes
General comm	ents and recommendations:
	ents and recommendations:
Pond level is appro	ents and recommendations:
General comm Pond level is appro The dam appears to	ents and recommendations: ximately 1' low.
General comm Pond level is appro The dam appears to the stumps should	ents and recommendations: ximately 1' low. o be in good condition. The damp area just north of the outlet pipe should be monitored for seepage, and
General comm Pond level is appro The dam appears to the stumps should Mr. Gray indicated	ents and recommendations: ximately 1' low. to be in good condition. The damp area just north of the outlet pipe should be monitored for seepage, and the removed and backfilled.
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Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)



October 1, 2015

Sumter County Attn: Eddie Newman, Randy Wright 1289 North Main Street Sumter, S.C. 29150

RE: Routine Inspection of Dam D-1444, "Second Millpond" Dam

Dear Messrs. Newman and Wright:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on Tuesday, September 22nd, 2015. Thank you for meeting me for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam.

When completed, please mail a copy of the Surveillance, Emergency Notification, and Action Plan with original signatures to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

During the inspection, I gave you a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.



Sincerely,

Shawn S. Frazer
Regional Engineer
SC Department of Health & Environmental Control
Pee Dee EQC Region – Sumter
105 N. Magnolia St, Rm. 204
Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

Office (803) 436 - 2241	C. Inspection Date (09/22/20 15) & Time: 10:00 D. Date of Last Inspection: (01/23/2012) E. Location-County/City: Sumter / Sumter F. EQC Regional Office: Sumter EQC G. Inspector's Name: Shawn S. Frazer H. Owner's Name: Sumter County I. Contact Person (if different from above): Eddia Newman. Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Home ()	C. Inspection Date (09/22/20 15) & Time: 10:00 D. Date of Last Inspection: (01/23/2012 E. Location-County/City: Sumter / Sumter F. EQC Regional Office: Sumter EQC G. Inspector's Name: Shawn S. Frazer H. Owner's Name: Sumter County I. Contact Person (if different from above): Eddia Nawman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Home () Office (803) 436 - 224 Other () K. Dam Owner's or Contact Person's mailing address: Address 1 1289 North Main Street Address 2 (optional) City Sumter State SC Zip Code 29150 - Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory	A. Dam Number: D 1444 & Hazard Class C2	
E. Location-County/City; Sumter / Sumter F. EQC Regional Office; Sumter EQC G. Inspector's Name; Shawn S. Frazer H. Owner's Name; Sumter County I. Contact Person (if different from above); Eddio Newman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Home () Office (803) 436 - 2241 Other () Other () Other () Other () State SC Zip Code 29150 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)? Asphault road over the dam.	E. Location-County/City; Sumter	E. Location-County/City; Sumter / Sumter F. EQC Regional Office: Sumter EQC G. Inspector's Name; Shawn S. Frazer H. Owner's Name; Sumter County I. Contact Person (if different from above); Eddie Newman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Home (B. Name of Dam: Second Millpond Dam
G. Inspector's Name: Shawn S. Frazer H. Owner's Name: Sumter County I. Contact Person (if different from above): Eddie Newman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Home ()	G. Inspector's Name; Shawn S. Frazer H. Owner's Name; Sumter County I. Contact Person (if different from above); Eddia Nawman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Office (803) 436 - 2241 Other () Other () City Sumter State SC Zip Code 29150 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)? Asphault road over the dam. iii. Animal activity observed? None observed iiii. Any obvious alteration or repairs made? No	G. Inspector's Name; Shawn S. Frazer H. Owner's Name; Sumter County I. Contact Person (if different from above); Eddie Newman, Randy Wright J. Dam Owner's or Contact Person's Phone Numbers: Office (803) 436 - 222 Other () K. Dam Owner's or Contact Person's mailing address: Address 1 1289 North Main Street Address 2 (optional) City Sumter, State SCZip Code 29150 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)? Asphault road over the dam. iii. Animal activity observed? None observed iiii. Any obvious alteration or repairs made? No	C. Inspection Date (09/22/20 15) & Time: 10:00	D. Date of Last Inspection: (01 / 23 / 2012 _)
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ii. Animal activity observed? None observed	iii. Any obvious alteration or repairs made? No	iii. Any obvious alteration or repairs made? No	General Condition Assessment (Select one of the fol	
			General Condition Assessment (Select one of the fole a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	d) Unsatisfactory e) Not Rated
iii. Any obvious alteration or repairs made? №		iv. Erosion noticed on crest? None observed	General Condition Assessment (Select one of the fole a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault road over the december 1.	d) Unsatisfactory e) Not Rated
iv Frosian naticed on crest? None observed	iv. Erosion noticed on crest? None observed		General Condition Assessment (Select one of the fole a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault road over the displayed ii. Animal activity observed? None observed	d) Unsatisfactory e) Not Rated
14. Elodon modod on deat:	v. Any visible settlement, misalignment or cracks? None observed	v. Any visible settlement, misalignment or cracks? None observed	General Condition Assessment (Select one of the fole a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault road over the dili. Animal activity observed? None observed iii. Any obvious alteration or repairs made? No	d) Unsatisfactory e) Not Rated
			General Condition Assessment (Select one of the fol	

• •	stream Slope egetation (grass, trees weeds)? grass, riprap
ii. A	nimal activity observed? None observed
iii. <i>F</i>	Any obvious alterations or repairs made? No
iv. E	rosion observed on upstream slope? None observed
v. S	ettlement or cracks visible in slope? None observed
	wn Stream Slope egetation (grass, trees weeds)? grass, weeds (trimmed yearly during winter)
ii. A	nimal activity observed? None observed
iii. <i>F</i>	Any obvious alterations or repairs made? No
iv. E	rosion observed on down stream slope? None observed
v. S	ettlement or cracks visible in slope? None observed
vi. T	oe drains flowing? No toe drains were found
	rate, and any turbidity or color within the flow:
i. An	mary Spillway by visible deterioration of structure? Inext available opportunity when the pool is lowered. There an obvious need to repair or replace trash rack? No
i. Ar grouted ii. Is	mary Spillway y visible deterioration of structure? Minor amounts of seepage through concrete joints or cracks. Talking to Randy, they'll be a next available opportunity when the pool is lowered.
i. Ar grouted ii. Is iii. A	mary Spillway by visible deterioration of structure? Inext available opportunity when the pool is lowered. There an obvious need to repair or replace trash rack? No
i. Argrouted ii. Is iii. A	mary Spillway by visible deterioration of structure? In next available opportunity when the pool is lowered. There an obvious need to repair or replace trash rack? No significant debris, smaller items will be cleared once yearly during general maintenance.
i. Ar grouted ii. Is iii. A iv. Is E. Ou i. Ar	mary Spillway by visible deterioration of structure? In next available opportunity when the pool is lowered. There an obvious need to repair or replace trash rack? In noticeable problems with debris? No significant debris, smaller items will be cleared once yearly during general maintenates valve or gate present? Gates operated by lifts, only inner gates are worked to lower the level, malfunction of the outer gate utilet Pipe
i. Ar grouted ii. Is iii. A iv. Is i. Ar ii. D	mary Spillway by visible deterioration of structure? Minor amounts of seepage through concrete joints or cracks. Talking to Randy, they'll be deterioration of structure? Minor amounts of seepage through concrete joints or cracks. Talking to Randy, they'll be deterioration of the outer gate on the pool is lowered. There an obvious need to repair or replace trash rack? No signficant debris, smaller items will be cleared once yearly during general maintenance of the outer gate of the discharge pipe? Mo outlet pipe, concrete spillway under road.
i. Ar ii. Is iii. Is iii. A iv. Is E. Ou ii. Ar iii. D	mary Spillway by visible deterioration of structure? Minor amounts of seepage through concrete joints or cracks. Talking to Randy, they'll be deteriorated next available opportunity when the pool is lowered. There an obvious need to repair or replace trash rack? No No significant debris, smaller items will be cleared once yearly during general maintenance and the control of the outer gate of the discharge pipe? No outlet pipe, concrete spillway under road. The control of the discharge pipe? No outlet pipe, concrete spillway under road. The control of the discharge pipe? No outlet pipe, concrete spillway under road.
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vi. If applicable, a	ny visible leakage below concrete spillway? N/A
х.	H.
	azard Class Issues
i. Any noticeable	changes immediately downstream of the dam that affects the hazard classification? No.
. Emergency Act	
i. Emergency Act	ion Plan provided by owner? No, gave a copy during the inspection
ii. Does EAP con	tains emergency alert notification plan? If so, when was it last updated? N/A
iii. Does EAP con	ntain specific actions to take if the dam has failed or is near failure? N/A
Section IV (Co	nelucione)
Section 14 (CO	inclusions)
General comme	nts and recommendations:
	nts and recommendations: n excellent condition and at normal pool elevation.
Dam appears to be in	
Dam appears to be in	n excellent condition and at normal pool elevation.
Dam appears to be in Pool level is lowered occurance.	n excellent condition and at normal pool elevation.
Dam appears to be in Pool level is lowered occurance. The cracks that are leading to the cracks the cracks the cracks the cracks that are leading to the cracks	n excellent condition and at normal pool elevation. every other year, the lower portion of the spillway should be inspected for cracks and damage at next
Dam appears to be in Pool level is lowered occurance. The cracks that are leading to the injection of the pool of the injection of the injecti	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs
Dam appears to be in Pool level is lowered occurance. The cracks that are leading to the injection of the grouting the surface of the pool of of the p	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs of polyurethane or epoxy fill into the concrete under pressure in order to completely fill the cracks. Only
Dam appears to be in Pool level is lowered occurance. The cracks that are leading to the injection of the grouting the surface of the pool of of the p	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs of polyurethane or epoxy fill into the concrete under pressure in order to completely fill the cracks. Only of the cracking typically is not an effective long-term solution. I would recommend consulting with a
Dam appears to be in Pool level is lowered occurance. The cracks that are linvolve the injection of grouting the surface dicensed professional	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs of polyurethane or epoxy fill into the concrete under pressure in order to completely fill the cracks. Only of the cracking typically is not an effective long-term solution. I would recommend consulting with a
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Dam appears to be in Pool level is lowered occurance. The cracks that are linvolve the injection of grouting the surface dicensed professional	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs of polyurethane or epoxy fill into the concrete under pressure in order to completely fill the cracks. Only of the cracking typically is not an effective long-term solution. I would recommend consulting with a
Dam appears to be in Pool level is lowered occurance. The cracks that are linvolve the injection of grouting the surface dicensed professional	every other year, the lower portion of the spillway should be inspected for cracks and damage at next eaking appear to be small and don't appear to be an imminent problem, but most concrete repairs of polyurethane or epoxy fill into the concrete under pressure in order to completely fill the cracks. Only of the cracking typically is not an effective long-term solution. I would recommend consulting with a

Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)



September 30, 2015

Loring Mill Pond Association Attn: O. Mack Kolb, Wayne Harbour 3385 Gristmill Lane Sumter, S.C. 29150

RE: Routine Inspection of Dam D-1452, "Loring Mill Pond" Dam

Dear Mr. Kolb:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on Wednesday, September 23rd, 2015. Thank you for meeting me for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The trash rack has been raised, and should be lowered into place in front of the spillway.
- The concrete pilings that support the back side of the gate system appear to be eroding or deteriorating in some places, particularly the northernmost columns.
- There are several stumps of fallen trees on the downstream slope that should be removed and backfilled with a suitable fill material.
- There are number of trees on the dam. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - O Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - O A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - O This department strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" (and their root systems) gradually over the course of several years.

Thank you for returning a copy of the Surveillance, Emergency Notification, and Action Plan at the inspection. You should keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

Enclosed is a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

Any alteration or major repair of the dam requires a permit from this agency and must be made under the direction of a professional engineer.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer

Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region - Sumter

105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Main Office: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

A. Dam Number: D <u>1452</u> & Hazard Class c2	B. Name of Dam: Loring Millpond Dam
2. Inspection Date (09 / 23 / 20 15) & Time: 10:00	D. Date of Last Inspection: (01 / 24 / 2012
Location-County/City: Sumter / Sumter	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S Frazer	
H. Owner's Name; Loring Mill Pond Assocation	
Contact Person (if different from above): O. Mack Kolb /	Wayne Harbour
. Dam Owner's or Contact Person's Phone Numbers	: W. Harbour #### (_803) 607 - 9574
	Office ()
C. Dam Owner's or Contact Person's mailing address	M. Kolb Cell #### (803) 491 _ 5409
Address 1 3345 Gristmill Lane	
	
Address 2 (optional)	
Address 2 (optional)	
	State <u>S.C.</u> Zip Code <u>29150</u> -
City Sumter , S	
City Sumter , Section II (Dam Condition)	State S.C. Zip Code 29150 -
City Sumter Section II (Dam Condition) General Condition Assessment (Select one of the	State S.C. Zip Code 29150 - following):
City Sumter , Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor	State S.C. Zip Code 29150 - following):
City Sumter Section II (Dam Condition) General Condition Assessment (Select one of the	State S.C. Zip Code 29150 - following):
City Sumter , Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor	State S.C. Zip Code 29150 - following): d) Unsatisfactory e) Not Rated
City Sumter, Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	State S.C. Zip Code 29150 - following): d) Unsatisfactory e) Not Rated
City Sumter, Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Gection III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Patches of grass, dir	State S.C. Zip Code 29150 - following): d) Unsatisfactory e) Not Rated
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	ostream Slope /egetation (grass, trees weeds)?
ii.	Animal activity observed? None observed
iii.	Any obvious alterations or repairs made? No
iv.	Erosion observed on upstream slope? None observed
v. S	Settlement or cracks visible in slope? None observed
	own Stream Slope /egetation (grass, trees weeds)? Trees, thick vegetation, brush, some rotting stumps from fallen trees.
ii.	Animal activity observed? None observed
iii.	Any obvious alterations or repairs made? No
iv.	Erosion observed on down stream slope? None observed
v. 5	Settlement or cracks visible in slope? None observed
vi.	Toe drains flowing? No toe drains observed
P	v rate, and any turbidity or color within the flow:
j. A used.	rimary Spillway ny visible deterioration of structure? Trash rack is currently lifted out of the water above the gate. Rack should be lowered an
i. A used. ii. I	rimary Spillway ny visible deterioration of structure? Trash rack is currently lifted out of the water above the gate. Rack should be lowered an
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vi. If applicable,	any visible leakage below concrete spillway? Concrete outlet pipe under path, none observed
	Hazard Class Issues e changes immediately downstream of the dam that affects the hazard classification? No
	ction Plan (EAP) ction Plan provided by owner? Yes
ii. Does EAP co	ontains emergency alert notification plan? If so, when was it last updated? Yes, 2015
iii. Does EAP co	ontain specific actions to take if the dam has failed or is near failure? Yes
General comm	nents and recommendations:
General comm	22
General comm There are a signific Stumps from trees	cant number of trees on the dam. Recommend a tree-removal program. on a dam, whether from cut or naturally-fallen trees, decay over time and create voids in the dam. All
General common There are a significant Stumps from trees stumps should be re-	cant number of trees on the dam. Recommend a tree-removal program. on a dam, whether from cut or naturally-fallen trees, decay over time and create voids in the dam. All removed and backfilled with an appropriate fill material.
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There are a signific Stumps from trees stumps should be r Owner provided a	cant number of trees on the dam. Recommend a tree-removal program. on a dam, whether from cut or naturally-fallen trees, decay over time and create voids in the dam. All removed and backfilled with an appropriate fill material.

Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)



September 28, 2015

Dinkins Family Trust Attn: Charles Dinkins 6920 Dinkins Mill Road Rembert, S.C. 29128

RE: Routine Inspection of Dam D-1461, "Dinkins Mill Pond" Dam

Dear Mr. Dinkins:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on Monday, September 21st, 2015. Thank you for meeting me for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- There have been repairs made recently to the dam. Based on the information provided during the inspection, the repair included: excavating from the crest down the upstream slope, replace a six foot (6') section of the corrugated pipe running from the riser to the outlet next to the old millhouse, and filling back in the area.
- There are number of trees on the downstream slope. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - O Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - O A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - This office strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" (and their root systems) gradually over the course of several years.

Because the mentioned repairs made to the dam were done without a permit, pursuant to the S.C. Dams and Reservoirs Safety Act, the department is requiring you to hire a Professional Engineer (registered in the state of South Carolina) to perform an evaluation of the condition of the dam with repairs in place. A report from the engineer must be submitted to me within **one hundred and twenty (120) days** of receipt of this letter. The report should include the results of the detailed inspection and a repair plan (if warranted). If repairs are warranted, a permit may be required in order to perform the repairs. I will review the report and then forward it to central office for approval. I am including a list of professional engineers with this report. This list is not all-inclusive, and you are not required to use someone from this list.



When completed, please mail a copy of the Surveillance, Emergency Notification, and Action Plan with original signatures to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

Enclosed is a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue a routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer
Regional Engineer
SC Department of Health & Environmental Control
Pee Dee EQC Region – Sumter
105 N. Magnolia St, Rm. 204
Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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 1461 & Hazard Class C2	B. Name of Dam: Dinkins Mill Pond Dam
C. Inspection Date (09/21/20 15) & Time: 01:00 PM	D. Date of Last Inspection: (01/23/2012_)
E. Location-County/City: Sumter / Rembert	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Dinkins Family Trust	
I. Contact Person (if different from above): Charles Dinkins	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dom Oumorio or Contact Barreria resiling address	Other (_803_) _9839450 _
K. Dam Owner's or Contact Person's mailing address: Address 1 6920 Dinkins Mill Road	
Addiese I ages princing will Load	
Address 2 (antional)	
Address 2 (optional)	
	State SC Zip Code 29128
City Rembert , S	
City Rembert , S	State SC Zip Code 29128 -
City Rembert , S Section II (Dam Condition)	following):
City Rembert , S Section II (Dam Condition) General Condition Assessment (Select one of the	following):
City Rembert , S Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor	following):
City Rembert , S Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	following):
City Rembert , S Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds. ii. Animal activity observed? None observed. iii. Any obvious alteration or repairs made? Repairs research.	following): d) Unsatisfactorye) Not Rated
City Rembert , S Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds. ii. Animal activity observed? None observed.	following): d) Unsatisfactorye) Not Rated

	m Slope ion (grass, trees weeds)? Grass, weeds, too thick to thoroughly inspect
ii. Animal	activity observed? None observed
iii. Any ob	vious alterations or repairs made? Same as A-3. No others observed.
iv. Erosion	observed on upstream slope? Too thickly vegetated along length to determine,
v. Settlem	ent or cracks visible in slope? None observed.
. Down St	ream Slope
	ion (grass, trees weeds)? Thick vegetation, trees. Grass on old road path.
ii. Animal	activity observed? None observed.
iii. Any ob	vious alterations or repairs made? No
iv. Erosior	observed on down stream slope? None observed.
v. Settlem	ent or cracks visible in slope? None observed.
vi. Toe dra	ains flowing? N/A
flow rate,	epage observed? If so, describe location, and any turbidity or color within the flow: One area that looked damp on back side of dam, from the area of concrete fill, apparently from a location the dam had failed previously.
). Primary i. Any visib the side of the g	South gate system, the concrete is well-worn in several places, there is a small leak around that might lead to further erosion of the area.
D. Primary i. Any visit the side of the g ii. Is there	Spillway Die deterioration of structure? South gate system, the concrete is well-worn in several places, there is a small leak aroung that might lead to further erosion of the area. an obvious need to repair or replace trash rack? No trash rack present on riser spillway.
D. Primary i. Any visit the side of the g ii. Is there	Spillway Die deterioration of structure? South gate system, the concrete is well-worn in several places, there is a small leak around that might lead to further erosion of the area.
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i. If applicable, any visible leakage below concrete	te spillway? N/A					
Downstream/Hazard Class Issues						
- Officer out in the court of t	I. Downstream/Hazard Class Issues					
i. Any noticeable changes immediately downstream of the dam that affects the hazard classification?						
one observed.						
Emergency Action Plan (EAP)						
	No, covered with Mr. Dinkins during the inspection, he will					
. Does EAP contains emergency alert notification	n plan? If so, when was it last updated? N/A					
ii. Does EAP contain specific actions to take if the	e dam has failed or is near failure? N/A					
ection IV (Conclusions)						
setton 14 (conclusions)						
Seneral comments and recommendations:						
-	0					

Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

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

Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)



C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment

February 14, 2012

Cains Mill Club c/o Lathan Roddy, Sec.-Treas. P.O. Box 70 Sumter, SC 29151

RE: Cains Millpond Dam Dam No. D-1578 Sumter County

Dear Mr. Roddy:

On January 26, 2012 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine inspection of Cains Millpond Dam (D-1578). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

- 1. There is heavy growth on the slopes of the dam which prohibit surveying the embankments for problems such as sink holes, cracks, slumps, seepage, etc. All brush and trees, six (6) inches or less in diameter should be removed from the slopes.
- 2. A trash guard should be placed in front of the spillway to prevent debris from interfering with the flow of water over the spillway. An example of such a guard would be concrete reinforcement wire having openings 6 inches by 6 inches.
- 3. There is an area of erosion on the crest of the dam towards the down slope that needs to be repaired.
- 4. The Emergency Notification Plan needs to be updated and forwarded to the Department.

We suggest that a routine maintenance program for the dam be established. This should include removing brush and small trees, repairing any areas of erosion (i.e. settling, cracks, slumps, cavein, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any downstream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by March 10, 2012 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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

	-		 	
action	/Owner's	Information)		

Section I (Owner's Information)	
A. Dam Number: D 1578 & Hazard Class I	B. Name of Dam: Cam's Mill Fond Dam
C. Inspection Date (1 126/2012) & Time: 1400	D. Date of Last Inspection: (101/61-2008)
E. Location-County/City: Sumter 1 Sumter	F. EQC Regional Office: Region II Sumter
G. Inspector's Name: Harry Haymon	<u> </u>
H. Owner's Name: Cains Mill Clu	<u>ال</u>
I. Contact Person (if different from above): Lathan	Roddy
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (803)775-1168
K. Dam Owner's or Centeet Person's mailing address:	Other ()
K. Dam Owner's or Contact Person's mailing address: Address 1 P.O. Box 70	
,	
Address 2 (optional)	
City, State	<u>SC</u> Zip Code <u>29151</u>
Section II (Dam Condition)	
General Condition Assessment (Select one of the follow	
General Condition Assessment (Selectione of the follow	و المسمعة و
a) Satisfactory b) Fair c) Poor	
a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	
a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist)	
a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? ii. Animal activity observed?	
a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? no	d) Unsatisfactory e) Not Rated
a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? no iv. Erosion noticed on crest? one area of se	e) Not Rated
a) Satisfactory b) Fair c) Poor Section III (Darn Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? no iv. Erosion noticed on crest? one area of A	d) Unsatisfactory e) Not Rated

	Ipstream Slope Vegetation (grass, trees weeds)? Newy yowth of reds @ Jam am
	lage of water - visuals of dam & love acotructed
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
ÍV.	Erosion observed on upstream slope?
V. 5	Settlement or cracks visible in slope?
i. \	own Stream Slope Vegetation (grass, trees weeds)? Trees Vines Weeds, brush - would evanisation of DSS platrickets
	Animal activity observed? NO
Wi.	Any obvious alterations or repairs made?
iv.	Erosion observed on down stream slope? NO
v. \$	Settlement or cracks visible in slope?NÔ
Vi.	Toe drains flowing?
flov	Any seepage observed? If so, describe location, vrate, and any turbidity or color within the flow:
i. A	ny visible deterioration of structure?
ii. I	s there an obvious need to repair or replace trash rack? does not have trash re
iii. <i>i</i>	Annuachio chi
	Any noticeable problems with debris?
iv.	s valve or gate present?
. 0	
. O	s valve or gate present? gate (hoards)
i. A	s valve or gate present? <u>gate</u> (<u>hoards</u>) utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? <u>N</u> 0
i. A	Is valve or gate present? gate (howds) Putlet Pipe In water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: None
i. A	Is valve or gate present? gate (hoards) Putlet Pipe In ywater visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: good Inxiliary (Emergency) Spillway
i. A	Is valve or gate present? gate (hoards) Putlet Pipe In ywater visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: good Inxiliary (Emergency) Spillway Oticeable obstructions to flow? None

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforce	cement? ND	
vi. If applicable, any visible leakage below concrete spil	lway? NO	-
H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the company of the compan	he dam that affects the hazard classification?	-
NO		-
. Emergency Action Plan (EAP)		-
i. Emergency Action Plan provided by owner?	yes	_
ii. Does EAP contains emergency alert notification plan	? If so, when was it last updated?	_
iii. Does EAP contain specific actions to take if the dam		
Section IV (Conclusions)	ii	-
General comments and recommendations:		
General Comments and recommendations.		
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iminary Dam Inspection Disclaimer:	1	
nformation contained in the preliminary inspection report is inte	ended as an aid to identify those dams that require mainter	กลกด
or repair actions to reduce their danger to human life or property or conditions or situations present at individual dams. It is not for services provided by registered professional engineers. If y eering professionals to find an appropriate remedy. Preliminar h and Environmental Control (the Department) are provided "A	only. It is not intended as professional engineering or con ot a substitute for a detailed inspection, nor does it replac your dam is experiencing an unusual situation consult with y inspections conducted by South Carolina Department or	nsulti e the h of
on and Environmental Control (the Department) are provided. A less or implied. Preliminary inspections consist only of a visual burgs are based solely on visual observations of the inspector at the r is a hazardous activity and the Department does not assume a less are responsible for the safe operations and maintenance of the	It technical examination of the dam and its appurtenant wo e time of the inspection. Common law holds that the storag any responsibility or risk for your actions or inactions. Dan	rks. ge o
To are respondente for the sale operations and maintenance of the	ion impoditation of doctros.	



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 12, 2013

John W. Harvin Trust 1300 Fulton Avenue Kingstree, SC 29556

RE: Harvin Dam Dam No. D-1973 Sumter County

To Whom It May Concern:

On February 20, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Harvin Dam (D-1973). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

- 1. Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.
- 2. Debris needs to be removed from the emergency spillway.
- 3. A rotting stump next to the emergency spillway needs to be removed and the void replaced with suitable fill material.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any downstream property owners in the event of a failure or near-failure of the dam. Please insure that the

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



DHEC 2604 (Rev 11/2011)

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

OMOTE PROTECT PROSPER
Section I (Owner's Information)
A. Dam Number: D 1973 & Hazard Class ## B. Name of Dam: HARVIN DAM
C. Inspection Date (2/20/2013) & Time: 1200 D. Date of Last Inspection: (12/2/2010)
E. Location-County/City: SUMTER! REMBERT F. EQC Regional Office: PEE DEE SUMTE
G. Inspector's Name: HARRY GAYMON
H. Owner's Name: JOHN W. HARVIN TRUST
I. Contact Person (if different from above): NONE AVAILABLE
J. Dam Owner's or Contact Person's Phone Numbers:
Office ()
Other ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 1300 FULTON AVE.
Address 2 (optional)
City KING STREE , State SC Zip Code 29556
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)? NUMEROUS LARGE TREES, BRUSH, WEEDS ii. Animal activity observed? NO
iii. Any obvious alteration or repairs made? N 0
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?

stream Slope getation (grass, trees weeds)? NUMEROUS LARGE TREES, RRUS H
nimal activity observed? NO
ny obvious alterations or repairs made? NÔ
osion observed on upstream slope?
ttlement or cracks visible in slope?NO
getation (grass, trees weeds)? BRUSH AND WEEDS
imal activity observed?
ny obvious alterations or repairs made?NO
osion observed on down stream slope? NO
tlement or cracks visible in slope?
e drains flowing?
ary Spillway visible deterioration of structure?
ere an obvious need to repair or replace trash rack?
noticeable problems with debris? GRASS, WEEDS, TRASH AZK
alve or gate present? GATE
et Pipe water visibly flowing or leaking outside of the discharge pipe? \mathcal{D}
oribe any deflection or damage observed to the pipe:
ole condition of outlet channel: 600 b
om /Francisco A O- Ph.
eable obstructions to flow? GRASS, WEED, TRASH
eable obstructions to flow? GRASS, WEED, TRASH

v. п арр	cable, any observed e	xposure of repar (einiorcement		00		
vi. If app	icable, any visible leal	rage below concre	te spillway?	N	0		
	tream/Hazard Class iceable changes imm		am of the dam	that affe	cts the haza	rd classificatio	n? N (
	ncy Action Plan (EAI ency Action Plan provi		TO B	E 7	PROVI	DED	
i. Does	AP contains emerger	cy alert notificatio	n plan? if so, v	when wa	s it last upda	ited?	
ii. Does	AP contain specific a	ctions to take if th	e dam has fail	ed or is	near failure?		
	V (Conclusions)	nmendations:					
		nmendations:					
		nmendations:					
		nmendations:					
		nmendations:					
		nmendations:					
		nmendations:					

need for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with engineering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of Health and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either express or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. All findings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam owners are responsible for the safe operations and maintenance of their impoundment structures.



Catherine E. Heigel, Director Promoting and protecting the health of the public and the environment

September 17, 2015

Lake Cherryvale Homeowner's Association Attn: Don Vargas 4216 North Lake Cherryvale Drive Sumter, S.C. 29154

RE: Routine Inspection of Dam D-1986, "Lake Cherryvale" Dam

Dear Mr. Vargas:

As you are aware, this office performed a routine inspection of the listed dam on September 16th, 2015. Thank you for meeting me for this inspection. Generally, the dam appears in good condition, and based on this inspection, it was rated as 'Fair.' You are commended for being proactive in your general maintenance of the dam. Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- There are several new decaying stumps on the upstream half of the crest that have created voids in the dam. The stumps need to be removed and the holes filled with a suitable compactable fill material.
- There are a number of trees on the dam's crest and on the downstream slope in the area near the outlet pipe. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - O Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - O A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - O This office strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" and their root systems gradually over the course of several years.

Enclosed is a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.



Catherine E. Heigel, Director Promoting and protecting the health of the public and the environment

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer

Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204

Strong 8. From

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

A Dam Number: D. 1986 & Hazard Class C2	P. Name of Dami Late Chemicals Dam
A. Dam Number: D 1986 & Hazard Class C2	B. Name of Dam: Lake Cherryvale Dam
C. Inspection Date (09 / 16 / 20 15) & Time: 10:00	D. Date of Last Inspection: (02 / 08 / 2012 _)
E. Location-County/City: Sumter / Sumter	F. EQC Regional Office: Sumter EQC
G. Inspector's Name; Shawn S. Frazer	
H. Owner's Name: Lake Cherryvale Homeowner's Association	
I. Contact Person (if different from above): Don Vargas	
J. Dam Owner's or Contact Person's Phone Numbers:	Home (_803_) _236 3848
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 4216 North Lake Cherryvale Drive	
VIOLESS I SELECTION FOUND OUR PARTY DILLE	
Address 2 (optional)	
Address 2 (optional)	rate SC Zip Code 29154 -
Address 2 (optional)	
Address 2 (optional), St	
Address 2 (optional)	
Address 2 (optional), St	ate SC Zip Code 29154 -
Address 2 (optional) City Sumter , St Section II (Dam Condition)	ate SC Zip Code 29154 -
Address 2 (optional) City Sumter , St Section II (Dam Condition) General Condition Assessment (Select one of the fo	ate SC Zip Code 29154
Address 2 (optional) City Sumter , St Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair c) Poor [pollowing): d) Unsatisfactory e) Not Rated
Address 2 (optional) City Sumter , St Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	collowing): d) Unsatisfactory e) Not Rated on the upstream half of the crest/slope.
Address 2 (optional) City Sumter , St Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Cover of grass. Trees of iii. Animal activity observed? Dogs on downstream side of fermions.	collowing): d) Unsatisfactory e) Not Rated on the upstream half of the crest/slope.
Address 2 (optional) City Sumter , St Section II (Dam Condition) General Condition Assessment (Select one of the feat) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Cover of grass. Trees of iii. Animal activity observed? Dogs on downstream side of feating.	cate SC Zip Code 29154 collowing): d) Unsatisfactory e) Not Rated con the upstream half of the crest/slope.

ii. An	imal activity observed? None observed.
ii. Ar	ny obvious alterations or repairs made? (See A-iii)
v. Er	osion observed on upstream slope? None observed
v. Se	tlement or cracks visible in slope? None observed
Dov	vn Stream Slope
	getation (grass, trees weeds)? Grass, some trees around outlet pipe.
i. An	imal activity observed? Dogs, no damage observed.
ii. Aı	ny obvious alterations or repairs made? None observed
v. Er	osion observed on down stream slope? None observed
v. Se	ttlement or cracks visible in slope? None observed
vi. To	e drains flowing? Toe drain dripping into lower pond, slow flow, approximately one drip every ten seconds
Prin	ate, and any turbidity or color within the flow: nary Spillway
. Any	
i. Any ii. Is t	nary Spillway visible deterioration of structure? Minor leak around the bottom board of the riser.
i. Any ii. Is t iii. Ar	hary Spillway visible deterioration of structure? Minor leak around the bottom board of the riser. here an obvious need to repair or replace trash rack? No
i. Any ii. Is t iii. Ar iv. Is	here an obvious need to repair or replace trash rack? y noticeable problems with debris? None observed.
i. Any ii. Is t iii. Ar iv. Is i. Ou i. Any	hary Spillway visible deterioration of structure? Minor leak around the bottom board of the riser. here an obvious need to repair or replace trash rack? No y noticeable problems with debris? None observed. valve or gate present? Removable boards
ii. Is t iii. Is t iii. Ar iv. Is ii. Ou ii. De treams	hary Spillway visible deterioration of structure? Minor leak around the bottom board of the riser. here an obvious need to repair or replace trash rack? No y noticeable problems with debris? None observed. valve or gate present? Removable boards tlet Pipe v water visibly flowing or leaking outside of the discharge pipe? None observed. No undercutting observed under pipe, but water down slope beneath to settling basin. Trees in vicinity of outlet pipe.
ii. Is t iii. Is t iii. Ar iv. Is ii. Ou ii. De treams	here an obvious need to repair or replace trash rack? y noticeable problems with debris? None observed. Nole the Pipe water visibly flowing or leaking outside of the discharge pipe? Noundercutting observed under pipe, but water states. No minor leak around the bottom board of the riser. No No No No No No No No No N
ii. Is tiii. Is tiii. Ariiv. Is ii. Ourii. Any ii. Detreams	hary Spillway visible deterioration of structure? Minor leak around the bottom board of the riser. here an obvious need to repair or replace trash rack? No y noticeable problems with debris? None observed. valve or gate present? Removable boards tlet Pipe v water visibly flowing or leaking outside of the discharge pipe? None observed. No undercutting observed under pipe, but water down slope beneath to settling basin. Trees in vicinity of outlet pipe.
ii. Is to the iii. Ary iii. De treams iiii. Viiii. Aux . Notear of co	here an obvious need to repair or replace trash rack? No y noticeable problems with debris? None observed. No undercutting observed under pipe, but water observed to settling basin. Trees in vicinity of outlet pipe. Sible condition of outlet channel: No sign of erosion or settling, flows directly into small pond below dam. No sign of erosion or settling, flows directly into small pond below dam. Chain-link fence crosses emergency spillway, should allow sufficient flow as long as area is kepting and the potton of outlet flow as long as area is kepting and the potton
ii. Is to the iii. Is to the iii. Any iii. De treams iiii. Viii. Note ear of control ii. Ani iii. Ani	wisible deterioration of structure? Minor leak around the bottom board of the riser. Moe an obvious need to repair or replace trash rack? You noticeable problems with debris? None observed. No undercutting observed under pipe, but wate down slope beneath to settling basin. Trees in vicinity of outlet pipe. Sible condition of outlet channel: No sign of erosion or settling, flows directly into small pond below dam. Illiary (Emergency) Spillway iceable obstructions to flow? Chain-link fence crosses emergency spillway, should allow sufficient flow as long as area is keptebris.

vi. If applicable	, any visible leakage below concrete spillway? N/A
- Downstroom	/Hazard Class Issues
	le changes immediately downstream of the dam that affects the hazard classification? No.
	ction Plan (EAP) Action Plan provided by owner? Yes, at inspection.
i. Emorgency 7	otion i lan provided by owner:
ii. Does EAP o	ontains emergency alert notification plan? If so, when was it last updated? Yes, 2015
iii. Does EAP o	ontain specific actions to take if the dam has failed or is near failure? Yes
-	conclusions) nents and recommendations:
General comn	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the
General comn Lake level is partic lake, and that resu	nents and recommendations:
Lake level is partic lake, and that resu	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the litted in decreasing the water entering into the reservoir.
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the ulted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed.
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the alted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed. In additional stumps on the upstream slope of the dam that are creating voids and need to be removed and
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the alted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed. In additional stumps on the upstream slope of the dam that are creating voids and need to be removed and
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the alted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed. In additional stumps on the upstream slope of the dam that are creating voids and need to be removed and
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the alted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed. In additional stumps on the upstream slope of the dam that are creating voids and need to be removed and
General comm Lake level is partic lake, and that resu The items noted in There are now two	nents and recommendations: cularly low, Don indicated to me that there had been a ditch created across a main source of water for the alted in decreasing the water entering into the reservoir. In the previous inspection seem to have all been addressed. In additional stumps on the upstream slope of the dam that are creating voids and need to be removed and

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 E. Heigel, Director Promoting and protecting the health of the public and the environment

September 25, 2015

Upper Deerfield Lake Association Attn: Marshall Wallace 23 Pathfinder Drive Sumter, S.C. 29150

RE: Routine Inspection of Dam D-1991, "Upper Deerfield Lake" Dam

Dear Dr. Wallace:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on Friday, September 18th. Thank you for meeting me for this inspection. There are sections of the dam that need maintenance, but based on this inspection, it was rated as 'Fair.' Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- There are significant areas of erosion and loose, bare soil on the downstream slope of the dam. The eroded areas need to be repaired, and it is strongly recommended that a uniform cover of grass or other shallow-rooted, low-growing vegetation be encouraged on all surfaces of the dam. This type of vegetation helps stabilize the surface soil and control erosion.
- There are several voids on the downstream slope and decaying stumps on both slopes. The stumps should be removed and the holes and cavities backfilled with a suitable compactable fill material.
- There are number of trees on the dam. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam. This office strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" and their root systems gradually over the course of several years.

Thank you for returning the Surveillance, Emergency Notification, and Action Plan to me. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

Enclosed is a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



Catherine E. Heigel, Director Promoting and protecting the health of the public and the environment

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

Any alteration or major repair of the dam requires a permit from this agency and must be made under the direction of a qualified engineer.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

A. Dam Number: D 1991 & Hazard Class C2	B. Name of Dam: Upper Deerfield Lake Dam
C. Inspection Date (09/18/20 15) & Time: 2:00 PM	D. Date of Last Inspection: (03 / 19 / 2012 _)
E. Location-County/City: Sumter / Sumter	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Upper Deerfield Lake Association	
I. Contact Person (if different from above): Marshall Wallac	ee
J. Dam Owner's or Contact Person's Phone Numbers	: Home ()
	Office (803) 469 - 9461
K Dam Oumaria on Contest Barrella welling a litera	Other ()
K. Dam Owner's or Contact Person's mailing address	
Address 2 (optional)	
City Sumter, S	State <u>SC</u> Zip Code <u>29150</u>
Section II (Dam Condition)	
Section II (Dam Condition) General Condition Assessment (Select one of the	following):
	
General Condition Assessment (Select one of the	
General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor	
General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	
General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault, trees	d) Unsatisfactory e) Not Rated
General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault, trees ii. Animal activity observed? None observed	d) Unsatisfactory e) Not Rated

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? Trees, dirt, patches of grass ii. Animal activity observed? None observed iii. Any obvious alterations or repairs made? No recent changes observed. (Some cut stumps, but they look old.) iv. Erosion observed on upstream slope? Exposed dirt with no grass cover or other erosion control v. Settlement or cracks visible in slope? Slump on the left side, relative to downstream direction C. Down Stream Slope i. Vegetation (grass, trees weeds)? Trees, dirt, patches of grass. One thick patch of vegetation and trees on the downstream side of the southern abutment that could not be inspected, this area should be cut back during routine maintenance. Cavity in a slide/eroded area on the upper half of the slope looks to intersect a burrow of some kind of ii. Animal activity observed? No recent changes observed. (Some cut stumps, but they look old.) iii. Any obvious alterations or repairs made? One area is eroding particularly quickly and also a cavity revealed iv. Erosion observed on down stream slope? and then where the toe meets the water, there was another crack/void in the ground. Along the upper half, areas of loose soil that sink underfoot. v. Settlement or cracks visible in slope? Some slides in the area of erosion towards the middle of the downstream slope. vi. Toe drains flowing? No toe drains observed 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 observed. ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? None observed on spillway. **E. Outlet Pipe** i. Any water visibly flowing or leaking outside of the discharge pipe? None observed ii. Describe any deflection or damage observed to the pipe: Pipe is partially obstructed with riprap and leafy debris, and should be cleared at the next possible opportunity. iii. Visible condition of outlet channel: Save for partial obstruction with pinestraw and riprap rocks, it looks good. Drains directly into 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? DHEC 2604 (Rev 11/2011)

vi. If applicable,	
	any visible leakage below concrete spillway? N/A
	Hazard Class issues changes immediately downstream of the dam that affects the hazard classification?
	Deerfield Lake Dam (D-2078) has recently had a house built on the downstream slope
i. Emergency Ac	tion Plan (EAP) ction Plan provided by owner? Yes
ii. Does EAP cor	ntains emergency alert notification plan? If so, when was it last updated? Yes, 2015
iii. Does EAP co	entain specific actions to take if the dam has failed or is near failure? Yes
Need to encourage	a uniform cover of grass on the areas with bare dirt and pine straw. Particularly on the downstream
Need to encourage	a uniform cover of grass on the areas with bare dirt and pine straw. Particularly on the downstream
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.
slope, the soil feels	very loose in some places, and a thick uniform layer of grass strengthens the dam against erosion.

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

March 12, 2013

Charles Bostic Lower Deerfield Lake Homeowners Association 724 Antlers Drive Sumter, SC 29150

RE: Lower Deerfield Lake Dam Dam No. D-2078 Sumter County

Dear Mr. Bostic:

On February 20, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Lower Deerfield Lake Dam (D-2078). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

- Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.
- 2. There are weeds growing on the outlet pipe trash rack that need to be removed.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any downstream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

Harry Haymon

cc: Bureau of Water, Dams and Reservoir Safety Program



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

Section I (Owner's Information)	LOWER DEERFIELD
A. Dam Number: D 2078 & Hazard Class II.	
C. Inspection Date (2/20/2013) & Time: 1000	D. Date of Last Inspection: (12/7/2010)
E. Location-County/City: SUMTER / SUMTER	F. EQC Regional Office: REGION II, SUMTER
G. Inspector's Name: HARRY GAYMON	V
H. Owner's Name: LOWER DEERFIELD LAKE	E HOMEOWNERS ASSOCIATION
I. Contact Person (if different from above): CHARLE	s Bostic
J. Dam Owner's or Contact Person's Phone Numbers:	Home (803) 775-8371
	Office ()
If Daw Owned as Contact Demonis mailing address:	Other ()
K. Darn Owner's or Contact Person's mailing address:	N.C.
Address 1 724 ANTLEIS DRI	
Address 2 (optional) State	
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	wing):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)? PHVED — ITPS PLANTED ON UPSLOPE ii. Animal activity observed? NO	ANTLERS ROAD - RED
iii. Any obvious alteration or repairs made?	
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	10

	ction III (Dam Inspection Checklist) continued
B. U i. '	Ipstream Slope Vegetation (grass, trees weeds)? <u>RED TIPS NEAR CREST</u> ,GRAS
ii.	Animal activity observed? NÔ
iii.	Any obvious alterations or repairs made? NÛ
iv.	Erosion observed on upstream slope?
V. 8	Settlement or cracks visible in slope?
). D	own Stream Slope Vegetation (grass, trees weeds)? BRUSH AND LARGE TREES
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made? $N \hat{\mathcal{O}}$
iv.	Erosion observed on down stream slope? $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
v. 5	Settlement or cracks visible in slope?
vi.	Toe drains flowing? NO
). Pı	rimary Spillway ny visible deterioration of structure?
ii. Is	s there an obvious need to repair or replace trash rack?
iii. /	Any noticeable problems with debris? WEEDS GROWING ON TRASH RA
iv. I	s valve or gate present?
	ny water visibly flowing or leaking outside of the discharge pipe?
ii. D	Describe any deflection or damage observed to the pipe:
_	Visible condition of outlet channel: GOOD - ONTLET PIPE EINFORCED WITH RIP-RAP
	oticeable obstructions to flow? THERE IS NO AWAIARY SPILL
i. Aı	nimal activity observed?
ii Δ	ny noticeable deterioration in the approach or discharge channel?
16. F 1	

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? \sqrt{ES}
iii. Does EAP contain specific actions to take if the dam has failed or is near failure?
Section IV (Conclusions)
General comments and recommendations:
LARGE TREES ON DOWNSLOPE IS A
BY TRAINED PROFESSIONAL
Ilminary Dam Inspection Disclaimer: Information contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenance or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or consulting for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with neering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of the and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either less or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. As are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of its a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam or are responsible for the safe operations and maintenance of their impoundment structures.
C 2604 (Rev 11/2011)

30 m g 20 m



Catherine B. Templeton, Director

From oring and protecting the health of the public and the environment

March 12, 2013

Sue Hornsby Phoenix Services Inc. 1111 Broad Street, PO Box 643 Camden, SC 29021

RE: McGirt's Millpond Dam Dam No. D-2407 Lee County

Dear Mrs. Hornsby:

On February 21, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of McGirt's Millpond Dam (D-2407). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

- Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.
- 2. There were two eroded areas on the crest of the dam located on the down streamside of the bridge that need to be filled with suitable fill material.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any down-stream property owners in the event of a failure or near-failure of the dam. Please insure that the

information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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: D2407 & Hazard Class II B. Name of Dam: McGIRT'S MILLPOND DAM
C. Inspection Date (22/2013) & Time: D. Date of Last Inspection: (12/1/2010)
E. Location-County/City: LEE IBISHOPVILLE F. EQC Regional Office: REGION IL, SUMTER
G. Inspector's Name: HARRY GAYMON
H. Owner's Name: PHOENIX SERVICES INC.
1. Contact Person (if different from above): SUF HORNSBY
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office (803) 425 1115
Other ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 IIII BROAD ST. PO BOX 643
Address 2 (optional)
City <u>CAMDEN</u> , State <u>SC</u> Zip Code 29021
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)? DAM CREST IS SC HWY 441, GRASS BESIDE HWY
ii. Animal activity observed?
iii. Any obvious alteration or repairs made? NO
iv. Erosion noticed on crest? NO
v. Any visible settlement, misalignment or cracks? SEVERAL AREAS NEED FILL DIRT NEXT TO DOWNSTREAM SIDE OF BRIDGE AT OUTFALL

I AAR & TREEP	GRASS, BRUSH,	WEEDS, SEVERAL
LARGE TREES i. Animal activity observed?	10	
ii. Any obvious alterations or repain	s made? NO	
v. Erosion observed on upstream sk	ppe? <u>\\()</u>	
. Settlement or cracks visible in slop	pe? <u>NO</u>	
Down Stream Slope Vegetation (grass, trees weeds)?	GRASS, BRUSH, W	EFDS
. Animal activity observed?	NO	
i. Any obvious alterations or repairs	made? <u>N0</u>	
v. Erosion observed on down stream	n slope?NO	
. Settlement or cracks visible in slop	pe?N0	
i. Toe drains flowing?	0	
Primary Spiliway Any visible deterioration of structur . Is there an obvious need to repair		
Any visible deterioration of structur	or replace trash rack?	
Any visible deterioration of structur . Is there an obvious need to repair i. Any noticeable problems with deb	or replace trash rack?	
Any visible deterioration of structur . Is there an obvious need to repair i. Any noticeable problems with deb	or replace trash rack? NO	NO
Any visible deterioration of structur . Is there an obvious need to repair i. Any noticeable problems with deb v. Is valve or gate present?	or replace trash rack? NO	NO NONE
Any visible deterioration of structur Is there an obvious need to repair Any noticeable problems with deb Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking	or replace trash rack? NO ris? outside of the discharge pipe? e observed to the pipe:	
Any visible deterioration of structur Is there an obvious need to repair Any noticeable problems with deb Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking Describe any deflection or damage	or replace trash rack? NO ris? outside of the discharge pipe? c observed to the pipe:	
Any visible deterioration of structur Is there an obvious need to repair Any noticeable problems with deb Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking Describe any deflection or damage Visible condition of outlet channel Auxiliary (Emergency) Spillway	or replace trash rack? NO ris? outside of the discharge pipe? observed to the pipe:	
Any visible deterioration of structur Is there an obvious need to repair Any noticeable problems with deb Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking Describe any deflection or damage I. Visible condition of outlet channel Auxiliary (Emergency) Spillway Noticeable obstructions to flow?	or replace trash rack?NO ris?	NONE

F	F. Auxiliary (Emergency) Spillway continued
	v. If applicable, any observed exposure of rebar reinforcement?
-	vi. If applicable, any visible leakage below concrete spillway?
F	I. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the dam that affects the hazard classification?
1.	Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner? NEED UPDATED EAP
-	ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? 6 - 20 -//
-	iii. Does EAP contain specific actions to take if the dam has failed or is near failure?
5	Section IV (Conclusions)
	General comments and recommendations:
	SC DOT NEEDS TO FILL SEVERAL HOLES NEXT
	TO DOWNSTREAM BRIDGE
_	
_	
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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 2412 & Hazard Class c2	B. Name of Dam: Clyburn Pond Dam
C. Inspection Date (09/30/20 15) & Time: 11:00	D. Date of Last Inspection: (01 / 23 / 2012 _)
E. Location-County/City: Lee / Bethune	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S Frazer	
H. Owner's Name: (William) Billy Clyburn	
I. Contact Person (if different from above):	2 111
J. Dam Owner's or Contact Person's Phone Numbers:	Home () Office (803) 428 _ 3221
	Other ()
K. Dam Owner's or Contact Person's mailing address: Address 1 4375 Bethune Highway	
Address 1 4375 Bethune Highway	
Address 2 (antional)	
Address 2 (optional), S	tate <u>S.C.</u> Zip Code <u>29009</u> -
City Bethune, S Section II (Dam Condition)	tate <u>S.C.</u> Zip Code <u>29009</u> -
City Bethune , S	tate S.C. Zip Code 29009
City Bethune S Section II (Dam Condition) General Condition Assessment (Select one of the f	tate S.C. Zip Code 29009
City Bethune , S Section II (Dam Condition) General Condition Assessment (Select one of the factor) a) Satisfactory b) Fair c) Poor [tate S.C. Zip Code 29009
City Bethune S Section II (Dam Condition) General Condition Assessment (Select one of the far a) Satisfactory b) Fair ✓ c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	tate S.C. Zip Code 29009
City Bethune , S Section II (Dam Condition) General Condition Assessment (Select one of the f a) Satisfactory	tate S.C. Zip Code 29009
City Bethune , S Section II (Dam Condition) General Condition Assessment (Select one of the f a) Satisfactory	tate S.C. Zip Code 29009
Section II (Dam Condition) General Condition Assessment (Select one of the far a) Satisfactory b) Fair ✓ c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Asphault: paved road ii. Animal activity observed? None observed iii. Any obvious alteration or repairs made? No	tate S.C. Zip Code 29009

i. Veget	am Slope ation (grass, trees weeds)? grass, weeds
ii. Anim	al activity observed? None observed
iii. Any	obvious alterations or repairs made? No
	on observed on upstream slope? Some erosion near the pipe to the upstream-right of the spillway. Steep drop-off of the
	ntly due to some wave erosion on the upstream-left side of the spillway.
v. Settle	ment or cracks visible in slope? None observed
. Down	Stream Slope
i. Veget	ation (grass, trees weeds)? Grass, trees, brush
ii. Anim	al activity observed? None observed
iii. Anv	obvious alterations or repairs made? No
iv. Erosi	on observed on down stream slope? None observed
v. Settle	ment or cracks visible in slope? None observed
vi. Toe	Irains flowing? No toe drains observed
	e, and any turbidity or color within the flow: Monitor, but no active seepage observed.
. Prima i. Any vi	ry Spillway sible deterioration of structure? No, appears in good condition
). Prima i. Any vi	ry Spillway
i. Is the	ry Spillway sible deterioration of structure? No, appears in good condition
i. Any viii. Is the	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No
i. Any vi ii. Is the iii. Any i iv. Is va	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No noticeable problems with debris? No Ive or gate present? Pond pool level controlled with boards.
i. Any viii. Is the	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No noticeable problems with debris? No Ve or gate present? Pond pool level controlled with boards.
i. Any vi ii. Is the iii. Any i iv. Is va E. Outle i. Any w	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No noticeable problems with debris? No Ive or gate present? Pond pool level controlled with boards.
i. Any vi ii. Is the iii. Any i iv. Is va E. Outle i. Any w ii. Desc	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No noticeable problems with debris? No Ive or gate present? Pond pool level controlled with boards. t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed
i. Any vi ii. Is the iii. Any vi iv. Is va iv. Is va ii. Any w ii. Desc iii. Visib	ry Spillway sible deterioration of structure? No, appears in good condition re an obvious need to repair or replace trash rack? No noticeable problems with debris? No Ive or gate present? Pond pool level controlled with boards. t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed None observed
i. Any vi ii. Is the iii. Any vi iv. Is va iv. Is va ii. Any w ii. Desc iii. Visib i. Notice	re an obvious need to repair or replace trash rack? No noticeable problems with debris? No ve or gate present? Pond pool level controlled with boards. t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed None observed None observed None observed Le condition of outlet channel: Some weeds growing around pipe, but otherwise good. Pipe is partially submerged in outlet ary (Emergency) Spillway
i. Any vi ii. Is the iii. Any vi iv. Is va iv. Is va ii. Any w ii. Desc iii. Visib	re an obvious need to repair or replace trash rack? No noticeable problems with debris? No No No No No No No No No N

Yes
Yes
Yes plan? If so, when was it last updated? Yes, but nobody live
plan? If so, when was it last undated? Yes, but nobody live
dam has failed or is near failure? Yes
eep dam slope, likely from slope clearing.
30 11

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.



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 12, 2013

SCDNR PO Box 167 Columbia, SC 29202

RE: Lake Ashwood Dam Dam No. D-2414 Lee County

To Whom It May Concern:

On February 14, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Lake Ashwood Dam (D-2414). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

The following was noted during the inspection:

1. Trees located on the structure will need to be evaluated by a trained professional on an individual basis, since their roots can cause "piping" of impounded water, and a falling tree can remove substantial amounts of soil, weakening the dam and possible causing failure. Simply cutting down the trees is unacceptable, as a rotting stump can leave voids, which create animal habitat and pathways for water. Some trees may require removal, and, depending on the location of the removed trees, may require a permit from the Bureau of Water.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any down-stream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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: D2414 & Hazard Class II B. Name of Dam: LAKE ASHWOOD DAM
C. Inspection Date (2/14/20 13) & Time: 1400 D. Date of Last Inspection: (12/1/2010)
E. Location-County/City: LEE IASHWOOD F. EQC Regional Office: REGION IV, SUMTER
G. Inspector's Name: HARRY GAYMON
H. Owner's Name: SCDNR
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 P. O. BOX 167
Address 2 (optional), State <u>SC</u> Zip Code <u>29202</u>
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)
i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
v. Any visible sementally inisalignment of clacks:
DHEC 2604 (Rev 11/2011)

	Slope
	on (grass, trees weeds)? <u>GRASS A FEW PINE TREES O</u>
	TH END OF DAM
	ctivity observed?
III Amir abrid	in all and in a second
III. Any opvi	ious alterations or repairs made? NO
	observed on upstream slope? ONE EROSIONAL SPOT NEAT
Sout	
v. Settlemen	nt or cracks visible in slope?
C. Down Stre	earn Slope
i. Vegetation	n (grass, trees weeds)? GRASS AFEW PINE TREES N
	DDLE OF DAM
ii. Animal ac	ctivity observed? NO
iii. Any obvid	ous alterations or repairs made? NO
iv Freeion o	observed on down stream slope? $\mathcal{N}\mathcal{O}$
IV. ETUSION O	bserved on down stream slope?
v. Settlemen	nt or cracks visible in slope?
vi. Toe drains	s flowing? N D
vii. Any seep	page observed? If so, describe location,
Primary Spi. Any visible	e deterioration of structure?
II. Is there an	n obvious need to repair or replace trash rack?
iii. Any notice	eable problems with debris?
iv. Is valve or	r gate present?
E. Outlet Pipe	A
	visibly flowing or leaking outside of the discharge pipe?
	7 4
ii. Describe a	any deflection or damage observed to the pipe:
	any deflection or damage observed to the pipe: NONE Indition of outlet channel:
iii. Visible cor	ndition of outlet channel: GOOD Emergency) Spillway
iii. Visible con	
ii. Visible con . Auxiliary (E i. Noticeable c	indition of outlet channel: GOOD Emergency) Spillway obstructions to flow?
ii. Visible con . Auxiliary (E i. Noticeable c	ndition of outlet channel: GOOD Emergency) Spillway
iii. Visible con . Auxiliary (E i. Noticeable c ii. Animal activ	indition of outlet channel: GOOD Emergency) Spillway obstructions to flow?
i. Visible con Auxiliary (E Noticeable o . Animal activ	Indition of outlet channel: GOOD Emergency) Spillway obstructions to flow? NO observed? NO

v. If applicat	(Emergency) ble, any observ	ved exposure of rebar	reinforcement?	NO		
vi. If applical	ble, any visible	e leakage below concre	ete spillway?	NO		
I. Downstreati. Any notice	_	lass Issues immediately downstre	am of the dam tha	at affects th	ne hazard clas	sification?
i. Emergenc	ONAL	provided by owner?				IN
ii. Does EAF	contains eme	ergency alert notification	on plan? If so, who	en was it la	st updated?	
iii. Does EAI	P contain spec	cific actions to take if the	ne dam has failed	or is near	failure?	
	(Conclusio	ens) recommendations:				
						
						
						
						
						
						
						
						

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



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

March 12, 2013

Bill Denton Colonial Lake Corporation 61 Colonial Lake Drive Camden, SC 29020

RE: Colonial Lake Dam Dam No. D-2502 Kershaw County

Dear Mr. Denton:

On February 19, 2013 Harry Gaymon from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Colonial Lake Dam (D-2502). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

There were no observable deficiencies noted during the inspection.

We suggest that a routine maintenance program for the dam be established. This should include removing brush, repairing any areas of erosion (i.e. settling, cracks, slumps, cave-in, seepage, etc.), maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems that may affect the safety of the dam.

Any alteration or major repairs of the dam require a permit from this agency and must be made under the direction of a qualified engineer.

Provisions in the South Carolina Dams and Reservoirs Safety Act require the owner to notify the Department within 30 days after transferring title or control of the dam (see attached DHEC Form 2605).

Please note that as of July 25, 1997, it is the responsibility of the dam owner to notify any down-stream property owners in the event of a failure or near-failure of the dam. Please insure that the information on the Emergency Notification Plan is kept current. This should include updating the names and telephone numbers of the agencies listed on the Plan so that they can provide assistance if an emergency occurs. Please return an updated copy of the Emergency Notification Plan by April 12, 2013 (see attached DHEC Form 2606).

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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 <u>2502</u> & Hazard Class	B. Name of Dam: COLONIAL LAKE DAM					
C. Inspection Date (<u>2 /19</u> /20 <u>13</u>) & Time: <u>0 930</u>	D. Date of Last Inspection: (12/2/2010)					
E. Location-County/City: KERSHAW / CAMDEN	F. EQC Regional Office: REGION IV, SUMTER					
G. Inspector's Name: HARRY GAYA	NON					
H. Owner's Name: COLONIAL LAKE CO	RPORATION					
I. Contact Person (if different from above): BILL ,	DENTON					
J. Dam Owner's or Contact Person's Phone Numbers:	Home (803) 432 9850					
	Cell Office (803) 424 6080					
If D O	Other ()					
K. Dam Owner's or Contact Person's mailing address:						
Address 1 6/ COLONIAL LAKE	DRIVE					
Address 2 (optional)						
City <u>CAM.DEN</u> , State	<u>SC</u> Zip Code <u>29020</u>					
	City <u>CAM.DEN</u> , State <u>SC</u> Zip Code <u>29020</u>					
	71					
Section II (Dam Condition)						
General Condition Assessment (Select one of the follo						
General Condition Assessment (Select one of the follo						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist)						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)?						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? grass ii. Animal activity observed? NO						
General Condition Assessment (Select one of the folio a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? ii. Animal activity observed? NO iii. Any obvious alteration or repairs made? NO iv. Erosion noticed on crest? NO						

I 1/4	stream Slope	
1	egetation (grass, trees weeds)? <u>GRASS</u>	
ii. A	nimal activity observed?	
iii. A	Any obvious alterations or repairs made?	
iv. E	rosion observed on upstream slope?NO	
v. Se	ettlement or cracks visible in slope?N0	
C. Do	wn Stream Slope	
i. Ve	egetation (grass, trees weeds)? <u>GRASS</u>	
ii. Aı	nimal activity observed?	
iii. A	ny obvious alterations or repairs made? NO	
iv. Er	rosion observed on down stream slope?	-
v. Se	ettlement or cracks visible in slope?	
VI. TO	pe drains flowing?	
). Prir	rate, and any turbidity or color within the flow: mary Spillway	
ı. Aiij	y visible deterioration of structure? NO	
	there an obvious need to repair or replace trash rack?	
ii. Is 1		
ii. Is 1 iii. Ar	there an obvious need to repair or replace trash rack?	
ii. Is 1 iii. Ar iv. Is	there an obvious need to repair or replace trash rack? NO ny noticeable problems with debris? Valve or gate present?	
ii. Is 1 iii. Ar iv. Is	there an obvious need to repair or replace trash rack? NO ny noticeable problems with debris?	
ii. Is 1 iii. Ar iv. Is E. Out i. Any	there an obvious need to repair or replace trash rack? NO ny noticeable problems with debris? Valve or gate present? VES tiet Pipe	
ii. Is t iii. Ar iv. Is i. Out i. Any	there an obvious need to repair or replace trash rack? NO valve or gate present? VES tlet Pipe y water visibly flowing or leaking outside of the discharge pipe?	
ii. Is 1 iii. Ar iv. Is iv. Is E. Out i. Any ii. De	there an obvious need to repair or replace trash rack? NO valve or gate present? VES tlet Pipe y water visibly flowing or leaking outside of the discharge pipe? Scribe any deflection or damage observed to the pipe:	
ii. Is 1 iii. Ar iv. Is iv. Is ii. Out ii. Any ii. De iii. Vis i. Noti	there an obvious need to repair or replace trash rack? NO valve or gate present? VES tiet Pipe y water visibly flowing or leaking outside of the discharge pipe? scribe any deflection or damage observed to the pipe: Sible condition of outlet channel: GOOD	
ii. Is 1 iii. Ar iv. Is iv. Is i. Out i. Any ii. De iii. Vis i. Noti	there an obvious need to repair or replace trash rack? NO valve or gate present? VES tiet Pipe y water visibly flowing or leaking outside of the discharge pipe? Secribe any deflection or damage observed to the pipe: NONE sible condition of outlet channel: GOOD tiliary (Emergency) Spillway ideable obstructions to flow?	

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? NEED WADATED EAP	
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? $6-12-07$,
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 WELL MAINTAINED	
reliminary Dam Inspection Disclaimer: In information contained in the preliminary inspection report is intended as an aid to identify those dams that require maintened/or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or convice for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replaced for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with gineering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of alth and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, express or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant workings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage term is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dangers are responsible for the safe operations and maintenance of their impoundment structures.	sulting the ither ks. A je of



August 28, 2015

Douglas Horton & Dustin Horton 4170 Timrod Road Bethune SC, 29009

RE:

Routine Inspection of Dam D-2513, Horton Pond Dam, Kershaw County

Dear Messrs. Douglas and Dustin Horton

This office performed a routine inspection of the Horton Pond Dam on August 18th, 2015. There was no owner representative present at the time of the inspection. The dam was partially mowed along the crest, but the slopes were thickly vegetated so a thorough inspection could not take place. The dam is thus 'Not Rated' for this inspection. A follow-up inspection will be scheduled within the next year. Enclosed you will find the inspection report, which lists any comments or concerns about the dam currently. Of note:

- Since the last inspection, the dam has been put back into use, the boards have been replaced and the reservoir is at full pond.
- The dam crest was partially cleared, on the south end of the dam, but the remainder of the dam was too thickly vegetated to be able to inspect the slopes and northern crest surfaces well. There are no apparent significant issues, but confirmation needs to be made when the slopes are clear.
- The boards and spillway channel should be cleared of trash, several logs are lodged and trash accumulation could be detrimental to the proper function of the dam.
- These parts of the spillway appear deteriorated, but based on previous inspection notes. I am unable to determine if the deficiencies are new developments or are old and stable and thus of less immediate concern:
 - o Upstream-left side of the spillway, there is a hole/gap in the channel wall that water is flowing through in a steady stream.
 - o Towards the rear of the channel, the walls on both sides are separating and leaning inwards towards the spillway from the primary channel walls.

I am enclosing another copy of the Surveillance, Emergency Notification, and Action Plan to complete and return, signed, to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency.

Also enclosed is a copy of the Notification Form for Ownership Change. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



We would recommend that you establish a routine maintenance program of removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam will be scheduled for a follow-up inspection in the next coming year. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely.

Shawn S. Frazer Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

A. Dam Number: D 2513 & Hazard Class C2	B. Name of Dam: Hortons Pond Dam
C. Inspection Date (08/18/20 15) & Time: 9:45 AM	D. Date of Last Inspection: (03/21/2012 _)
E. Location-County/City: Kershaw / Bethune	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Douglas P. & Dustin H. Horton (Via Tax Records)	
I. Contact Person (if different from above): None Available	
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 4170 Timrod Rd.	
Address 2 (optional)	2
Address 2 (Optional)	
City Bethune , State	
City Bethune, State _	SC Zip Code 29009 -
City Bethune , State, State,	SC Zip Code 29009 -
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor	SC Zip Code 29009 ving):
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist)	SC Zip Code 29009 ving):
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor	SC Zip Code 29009 - ving): d) Unsatisfactory
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	SC Zip Code 29009 - ving): d) Unsatisfactory
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Crest partially mowed, only let	SC Zip Code 29009 - ving): d) Unsatisfactory
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Crest partially mowed, only left. ii. Animal activity observed? One small burrow-hole on crest	SC Zip Code 29009 - ving): d) Unsatisfactory
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Crest partially mowed, only le ii. Animal activity observed? One small burrow-hole on crest iii. Any obvious alteration or repairs made? None observed	ving): d) Unsatisfactory e) Not Rated ✓
Section II (Dam Condition) General Condition Assessment (Select one of the follow a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Crest partially mowed, only le ii. Animal activity observed? One small burrow-hole on crest iii. Any obvious alteration or repairs made? None observed iv. Erosion noticed on crest? None observed	ving): d) Unsatisfactory e) Not Rated ✓

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? Weeds, too thick to allow inspection 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)? Weeds, too thick to allow inspection, handful of trees on either side of dam 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? One hole in channel wall by the boards where water is flowing. Bridge over dam deteriorated to the point where it is unsafe to use to assess the concrete spillway channel. ii. Is there an obvious need to repair or replace trash rack? No trash rack present iii. Any noticeable problems with debris? Log caught on boards over dam, another log in spillway channel. iv. Is valve or gate present? No valve/gate. Dam uses boards as a level-control mechanism. E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? No discharge pipe. ii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: Lower channel walls deflecting inwards into channel of stilling basin, concrete joint separated. F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? No emergency spillway observed. Highest point of main spillway boundary wall is lowest point of dam. ii. Animal activity observed? iii. Any noticeable deterioration in the approach or discharge channel? N/A iv. Any visible deterioration of structure's crest? N/A

vi. If applicable,	any visible leakage below concrete spillway? N/A
H. Downstream/l	Hazard Class Issues
	changes immediately downstream of the dam that affects the hazard classification?
No new hazards obs	served.
i. Emergency Ac	tion Plan (EAP) tion Plan provided by owner? No
ii. Does EAP cor	ntains emergency alert notification plan? If so, when was it last updated? No
=	
Section IV (Co	ents and recommendations:
Section IV (Co General common	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled.
Section IV (Co General common Since the last inspendent	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes)
General common Since the last insperate the last insperate was were so thickly vegeral controls.	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled.
General common Since the last inspe The dam crest was were so thickly vege made within a year.	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes)
General common Since the last inspe The dam crest was were so thickly vege made within a year. The boards that leve	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes etated that inspection was not possible. Another attempt to schedule an inspection of this dam will be
General common Since the last insperance the dam crest was were so thickly vegenerate within a year.	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes etated that inspection was not possible. Another attempt to schedule an inspection of this dam will be all the pond and the outlet channel/stilling basin should be cleared of trash. Several logs and large branches
General common Since the last inspe The dam crest was were so thickly vege made within a year. The boards that leve	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes etated that inspection was not possible. Another attempt to schedule an inspection of this dam will be all the pond and the outlet channel/stilling basin should be cleared of trash. Several logs and large branches
General common Since the last insperance the dam crest was were so thickly vegenerate within a year.	ents and recommendations: ction, this dam has been put back into use and the pond is completely filled. partially mowed up to the spillway, but the remainder of the dam (both upstream and downstream slopes etated that inspection was not possible. Another attempt to schedule an inspection of this dam will be all the pond and the outlet channel/stilling basin should be cleared of trash. Several logs and large branches

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.



August 28, 2015

Mr. Patrick Fleming 4990 Green Island Place Vero Beach, FL 32967

RE:

Routine Inspection of Dam D-2515, Hough Millpond Dam, Kershaw County

Dear Mr. Fleming,

As you are aware, this office performed a routine inspection of the Hough Millpond Dam on August 18th, 2015. Thank you for having Mr. William Studebaker join me for the inspection. Your dam appears to be functioning properly and received a 'Fair' rating. Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The maintenance and cover of grass on the crest and most of the downstream slope of the dam is outstanding. However, the thick brush should be cleared completely from both slopes to encourage the same uniform coverage, especially across the emergency spillway.
- There are a significant number of trees on the downstream slope. While no trees were observed that pose an immediate risk, trees on dams can pose significant problems. Trees four inches (4") or less in diameter should be cut and the stumps treated with a waterproof wood preservative. I suggest that the larger trees be evaluated and considered for a tree-removal plan under the guidance of a professional engineer.
- The timber beam keeping the concrete spillway channel spillway walls is deteriorating. I would recommend reinforcing this strut or having it replaced before it fails. This type of work may require a permit from S.C. DHEC.

I have contacted Mr. Studebaker and I am sending out a copy of the Surveillance, Emergency Notification, and Action Plan to complete and return to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency.

I am enclosing a copy of the Notification Form for Ownership Change. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program of removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.



Your dam will be inspected again in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer

Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204

Thing & Fund

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc:

William C. Studebaker

Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations

R.72-1 through R.72-9

A. Dam Number: D 2515 & Hazard Class c2	B. Name of Dam: Hough Millpond Dam
C. Inspection Date (08/18/20 15) & Time: 10:45 AM	D. Date of Last Inspection: (03/21/2012)
E. Location-County/City: Kershaw / Bethune	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn Frazer	
H. Owner's Name: Patrick Fleming	<u> </u>
. Contact Person (if different from above): William C. Studeba	aker
J. Dam Owner's or Contact Person's Phone Numbers:	Home (<u>843</u>) <u>334</u> - <u>8979</u>
	Patrick Cell (772) 263 - 2291
	Bill Cell ### r (843) 517 - 9007
Dam Owner's or Contact Person's mailing address:	
Address 1 4990 Green Island Place	
Address 2 (optional)	
	ate_FLZip Code_32967
City Vero Beach Sta	ate FL Zip Code 32967
City Vero Beach Section II (Dam Condition)	ate FL Zip Code 32967
City Vero Beach Sta	ollowing):
City Vero Beach Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist)	ollowing):
City Vero Beach Sta	ollowing):
City Vero Beach Standard Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair ✓ c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass	ollowing):
City Vero Beach Standard Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair ✓ c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass	pillowing): d) Unsatisfactory e) Not Rated indicated that he is actively trapping and exterminating.
City Vero Beach Standard Section II (Dam Condition) General Condition Assessment (Select one of the form) a) Satisfactory b) Fair ✓ c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass ii. Animal activity observed? Signs of beavers, Bill (William) in	pillowing): d) Unsatisfactory e) Not Rated indicated that he is actively trapping and exterminating.

Section III (Dam Inspection Checklist) continued

•••	Animal activity observed? Beaver/otter slide wearing into slope just past spillway towards middle of dam
iii.	Any obvious alterations or repairs made? None observed
••••	Any obvious analogues of repairs made.
iv.	Erosion observed on upstream slope? Minor erosion due to animal activity just past spillway towards middle of dam.
٧.	Settlement or cracks visible in slope? None observed
. [Down Stream Slope
	Vegetation (grass, trees weeds)? Weeds, trees. Recommended cutting trees under 4" in diameter, would suggest clearing
	lownstream slope of the emergency spillway.
ii.	Animal activity observed? None observed
iii.	Any obvious alterations or repairs made? None observed
V.	Erosion observed on down stream slope? None observed
٧.	Settlement or cracks visible in slope? None observed
	Too drains flowing? No toe drains observed
۷I.	Toe drains flowing? No toe drains observed
flc	Any seepage observed? If so, describe location, where the seepage observed we rate, and any turbidity or color within the flow: Primary Spillway
i	Any visible deterioration of structure? Downstream channel walls still separated from previous repairs, but the timber brace is
	ng/degrading.
•••	Is there an obvious need to repair or replace trash rack? No trash rack
iii.	Is there an obvious need to repair or replace trash rack? No trash rack Any noticeable problems with debris? None
iii.	Is there an obvious need to repair or replace trash rack? No trash rack
iii.	Is there an obvious need to repair or replace trash rack? No trash rack Any noticeable problems with debris? None Is valve or gate present? No valve/gate
iii.	Is there an obvious need to repair or replace trash rack? No trash rack Any noticeable problems with debris? None
iii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe
iii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards Describe any deflection or damage observed to the pipe: None
iii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards
iii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards Describe any deflection or damage observed to the pipe: None
iv i. ii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards Describe any deflection or damage observed to the pipe: None Visible condition of outlet channel: Channel walls leaning in as mentioned, otherwise good.
iii.	Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards Describe any deflection or damage observed to the pipe: None Visible condition of outlet channel: Channel walls leaning in as mentioned, otherwise good. Auxiliary (Emergency) Spillway Noticeable obstructions to flow? Vegetation on both slopes, would recommend clearing so flow is not impeded in the case of an
iii.	Any noticeable problems with debris? None Is valve or gate present? No valve/gate Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe, dam flows over boards Describe any deflection or damage observed to the pipe: None Visible condition of outlet channel: Channel walls leaning in as mentioned, otherwise good. Auxiliary (Emergency) Spillway Noticeable obstructions to flow? Vegetation on both slopes, would recommend clearing so flow is not impeded in the case of an regency

vi. If applicable,	any visible leakage below concrete spillway? None observed
	Hazard Class Issues e changes immediately downstream of the dam that affects the hazard classification? No
	ction Plan (EAP) ction Plan provided by owner? Mailed to Bill, waiting for copy to be returned. No EAP is on file
	ction Plan provided by owner? Mailed to Bill, waiting for copy to be returned. No EAP is on file
	ontains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP ca	ontain specific actions to take if the dam has failed or is near failure?
General comm	nents and recommendations:
General comm	nents and recommendations: in good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from
General comm Overall, the dam is the crest of the da	nents and recommendations: in good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from
General common Overall, the dam is the crest of the dam spillway.	nents and recommendations: in good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from
General commoverall, the dam is the crest of the dam spillway. Due to the number	nents and recommendations: In good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from m should be extended to both the upstream and downstream slopes, especially across the emergency of trees on the downstream slope, you may want to consider developing a tree-removal plan under the
General commoverall, the dam is the crest of the dam spillway. Due to the number guidance of a professional common commo	nents and recommendations: in good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from m should be extended to both the upstream and downstream slopes, especially across the emergency
General commoverall, the dam is the crest of the dam spillway. Due to the number guidance of a profession the spillway, the	nents and recommendations: In good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from me should be extended to both the upstream and downstream slopes, especially across the emergency of trees on the downstream slope, you may want to consider developing a tree-removal plan under the assional engineer. However, during the inspection, no trees were observed that posed an immediate risk.
General commoverall, the dam is the crest of the dam spillway. Due to the number guidance of a profession the spillway, the	nents and recommendations: In good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from me should be extended to both the upstream and downstream slopes, especially across the emergency of trees on the downstream slope, you may want to consider developing a tree-removal plan under the essional engineer. However, during the inspection, no trees were observed that posed an immediate risk. piece of timber that prevents the two concrete channel walls from deflecting further is deteriorating. This
General commoverall, the dam is the crest of the dam spillway. Due to the number guidance of a profession the spillway, the	nents and recommendations: In good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from me should be extended to both the upstream and downstream slopes, especially across the emergency of trees on the downstream slope, you may want to consider developing a tree-removal plan under the essional engineer. However, during the inspection, no trees were observed that posed an immediate risk. piece of timber that prevents the two concrete channel walls from deflecting further is deteriorating. This
Overall, the dam is the crest of the dan spillway. Due to the number guidance of a profe In the spillway, the	nents and recommendations: In good condition. The maintenance program is satisfactory and proactive, but the clearing of brush from me should be extended to both the upstream and downstream slopes, especially across the emergency of trees on the downstream slope, you may want to consider developing a tree-removal plan under the essional engineer. However, during the inspection, no trees were observed that posed an immediate risk. piece of timber that prevents the two concrete channel walls from deflecting further is deteriorating. This

<u>Preliminary Dam Inspection Disclaimer:</u>
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.



March 12, 2013

Haile Watson 1612 Kellytown Road Lugoff, SC 29078

RE: Eloise Watson Dam Dam No. D-2530 Kershaw County

Dear Mr. Watson:

On February 22, 2013 Harry Gaymon, John Poole and Peter Milenkov from the South Carolina Department of Health and Environmental Control (DHEC) conducted a routine re-inspection of Eloise Watson Dam (D-2530). The inspection was conducted under the guidance of the South Carolina Dams and Reservoirs Safety Act, Section 49-11-170 (C) to determine the present condition of the dam and note any changes that may have occurred since the last inspection. A copy of the field inspection form is attached.

It was observed that the pond was drained. The inspectors discussed with the owners of the pond (John Hallman and Haile Watson) what future steps were needed regarding repairs to the dam before the Department could issue a permit to refill the pond.

Please call if you have any further questions.

Sincerely,

Harry Gaymon Facility Evaluator

cc: Bureau of Water, Dams and Reservoir Safety Program



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: D2530 & Hazard Class	B. Name of Dam: FLOISE WATSON DAM
C. Inspection Date (2 /22/20 15) & Time: 1000	D. Date of Last Inspection: (10/27/2010)
E. Location-County/City: KERSHAW LUGOFF	· · · · · · · · · · · · · · · · · · ·
G. Inspector's Name: HARRY GAY: H. Owner's Name: HAILE WATSO	MON
H. Owner's Name: HAILE WATSO	N
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K Don Owned as Contact Donner's mailing address:	Other ()
K. Dam Owner's or Contact Person's mailing address:	ه ط م
Address 1 16/2 KELLYTOWN	
Address 2 (optional)	
City <u>Lucoff</u> , State	
POND IS DRAINED (S	ee Sec II)
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	wing):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)?	
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made?	
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	
DHEC 2604 (Rev 11/2011)	

	stream Slope
i. ve	getation (grass, trees weeds)?
ii. Ar	imal activity observed?
iii. A	ny obvious alterations or repairs made?
ív. Er	osion observed on upstream slope?
v. Se	tlement or cracks visible in slope?
C. Dow	n Stream Slope
i. Ve	petation (grass, trees weeds)?
ii. An	imal activity observed?
H1. /U	y obvious afterations or repairs made?
iv. Erc	sion observed on down stream slope?
v. Set	tlement or cracks visible in slope?
vi. To	drains flowing?
vii An	y seepage observed? If so, describe location,
). Prim i. Anv	ary Spillway visible deterioration of structure?
i. Any	ary Spillway visible deterioration of structure?
i. Any	ary Spiliway
i. Any	ary Spillway visible deterioration of structure?
i. Any ii. Is th	ary Splilway visible deterioration of structure? ere an obvious need to repair or replace trash rack?
i. Any ii. Is th	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present?
i. Any ii. Is th iii. Any iv. Is v	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris?
i. Any ii. Is th iii. Any iv. Is v	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? et Pipe water visibly flowing or leaking outside of the discharge pipe?
i. Any ii. Is th iii. Any iv. Is v	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present?
i. Any ii. Is th iii. Any iv. Is v ii. Outli i. Any ii. Desc	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? et Pipe water visibly flowing or leaking outside of the discharge pipe?
i. Any ii. Is th iii. Any iv. Is v iv. Is v ii. Outl ii. Any iii. Desc	ary Splilway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? at Pipe water visibly flowing or leaking outside of the discharge pipe? cribe any deflection or damage observed to the pipe:
i. Any ii. Is th iii. Any iv. Is v ii. Outli i. Any iii. Desc	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? et Pipe water visibly flowing or leaking outside of the discharge pipe? cribe any deflection or damage observed to the pipe:
i. Any ii. Is th iii. Any iv. Is v ii. Outl ii. Any iii. Desc iii. Visil Auxilii. Notice	ary Splilway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? et Pipe water visibly flowing or leaking outside of the discharge pipe? eribe any deflection or damage observed to the pipe: ole condition of outlet channel: ary (Emergency) Spillway
i. Any ii. Is th iii. Any iv. Is v ii. Outli i. Any iii. Desci	ary Spillway visible deterioration of structure? ere an obvious need to repair or replace trash rack? noticeable problems with debris? alve or gate present? et Pipe water visibly flowing or leaking outside of the discharge pipe? eribe any deflection or damage observed to the pipe: ole condition of outlet channel: ary (Emergency) Spillway eable obstructions to flow?

Auxiliary (Emergency) Spillway continued . 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 classific	cation?
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?	
HARRY GAYMON, JOHN POOLE AND PETER MI MET WITH HAILE WATSON AND JOHN HA COWNERS OF WATSON DAM) ON FEB 22, TO DISCUSS WHAT NEEDED TO BE DONE OWNERS OF DAM TO GET PERMIT RE-FILL POND.	2013

<u>Preliminary Dam Inspection Disclaimer:</u>
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.



September 29, 2015

William G. & Brenda Barfield 1422 Horsehead Road Lugoff, S.C. 29078

Christy Allen 1059 Pine Grove Road Lugoff, S.C. 29078

Routine Inspection of Dam D-2531, "Barfield Pond" Dam RE:

Dear Ms. Allen and Mr. & Mrs. Barfield:

As you may already be aware, the South Carolina Department of Health and Environmental Control (DHEC) is responsible for assuring all hazardous dams are properly maintained in order to prevent failure. This office performed a routine inspection of the listed dam on Wednesday, August 26th, 2015. Thank you to Mr. Barfield for being available for this inspection.

Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The follow-up inspection found water springing from the ground near the middle of the toe of the dam and flowing downstream. The pools of water to either side of this active flow are also of potential concern if they are being fed by similar means of water boiling up under the pools.
- There are a significant number of trees and large amounts of thick vegetation on the dam slopes. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.

o Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.

o This office strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" and their root systems gradually over the course of several years.

Because this inspection revealed an active, undocumented seep and other areas of potential seepage on a Class 2 Significant Hazard dam, I discussed this case with other DHEC engineers and personnel from the dams program in the central office. We are requiring you to hire a Professional Engineer (registered in the state of South Carolina) to perform a detailed inspection of the dam. A report from the engineer must be submitted to me within one hundred and twenty (120) days of the receipt of this letter. The report should include the results of the detailed inspection and a repair plan (if warranted). If repairs are warranted, a permit may be required in order to perform the repairs. I will review the report and then forward it to central office personnel for approval. I am including a list of professional engineers with this report. This list is not all-inclusive and you are not required to use someone from this list.



When completed, please mail a copy of the Surveillance, Emergency Notification, and Action Plan with original signatures to our Sumter office. We only need one copy of the plan for the structure across all owners. You should also keep copies of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency.

During the inspection, I gave Mr. Barfield a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Any alteration or major repair of the dam requires a permit from this agency and must be made under the direction of a qualified engineer.

This dam is scheduled for another inspection in three (3) years. If you have any questions, or any concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Prazer Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204 Sumter, SC 29150

Glum S. Frm.

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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 2531 & Hazard Class C2	B. Name of Dam: Barfield Pond Dam
C. Inspection Date (08 / 26 / 20 15) & Time: 11:30	
E. Location-County/City: Kershaw / Lugoff	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: William G. & Brenda Barfield, Christy Allen	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Number	rs: W. & B. Barfield #### (803) 438 - 3631
	Christy Allen #### (803) 438 - 7306
K. Dam Owner's or Contact Person's mailing addres	Other () ss:
Address 1 (William & Brenda Barfield)1422 Horsehead Rd. Lugo	off SC, 29078
Address 2 (optional) (Christy Allen) 1059 Pine Grove Rd. Lug	
Address 2 (optional) (Christy Allen) 1059 Pine Grove Rd. Lug City,	
City, Section II (Dam Condition)	State Zip Code
Section II (Dam Condition) General Condition Assessment (Select one of the	State Zip Code e following):
City, Section II (Dam Condition)	State Zip Code e following):
Section II (Dam Condition) General Condition Assessment (Select one of the	State Zip Code e following):
City, Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor	State Zip Code e following): d) Unsatisfactory e) Not Rated
Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	State Zip Code e following): d) Unsatisfactory e) Not Rated
Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Bare dirt, patches of the section ii. Animal activity observed? Snapping turtles	State Zip Code e following): d) Unsatisfactory e) Not Rated
Section II (Dam Condition) General Condition Assessment (Select one of the a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Bare dirt, patches of the section ii. Animal activity observed? Snapping turtles	State Zip Code e following): d) Unsatisfactory e) Not Rated of grass

ii. A	Animal activity observed? None observed
iii.	Any obvious alterations or repairs made? None observed
iv. I	Erosion observed on upstream slope? Small slides have occurred previously, monitor and fill if new slides occur
v. S	Settlement or cracks visible in slope? None ovserved
). Do	own Stream Slope
	'egetation (grass, trees weeds)? Small and large trees, weeds. Some trees falling and pulling up rootballs, suggested monitoring
_	ling/compacting rootball cavity with an acceptable fill when observed. Animal activity observed? None observed
/	annot doubtly obosition.
iii.	Any obvious alterations or repairs made? None observed
iv. I	Erosion observed on down stream slope? None observed
v. S	Settlement or cracks visible in slope? Some slides are apparent on downstream edge near the middle of the dam, but it looks of
vi.	Foe drains flowing? None observed
flov	Any seepage observed? If so, describe location, rate, and any turbidity or color within the flow: wrate, and any turbidity or color within the flow: wrate, and any turbidity or color within the flow: wrate, and any turbidity or color within the flow:
or the	
	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.]
). Pı	
). Pı	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.]
). P r i. A	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.]
i. A	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway
i. A	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway s there an obvious need to repair or replace trash rack? N/A
i. A ii. Is iii. /	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] rimary Spillway ny visible deterioration of structure? N/A: Only emergency spillway s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? N/A s valve or gate present? N/A
i. A ii. Is iii. /	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] rimary Spillway ny visible deterioration of structure? N/A: Only emergency spillway s there an obvious need to repair or replace trash rack? N/A Any noticeable problems with debris? N/A
ii. ls iii. ls iii. /	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] rimary Spillway ny visible deterioration of structure? N/A: Only emergency spillway sthere an obvious need to repair or replace trash rack? Any noticeable problems with debris? N/A s valve or gate present? N/A
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i. A ii. ls iii. ls iii. A	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway s there an obvious need to repair or replace trash rack? N/A Any noticeable problems with debris? N/A s valve or gate present? N/A Putlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? N/A
i. A ii. ls iii. ls iii. ls iii. ls iii. ls	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] **imary Spillway** ny visible deterioration of structure? **N/A: Only emergency spillway** So there an obvious need to repair or replace trash rack? **N/A* Any noticeable problems with debris? **N/A* **N/A* **Invalidation of gate present?** **N/A* **N/A* **Describe any deflection or damage observed to the pipe: **N/A* **Visible condition of outlet channel: **N/A* **N/A* **N/A* **Visible condition of outlet channel: **N/A* **N/A
i. A ii. Is iii. Is	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway Structure an obvious need to repair or replace trash rack? N/A Any noticeable problems with debris? N/A Solve or gate present? N/A Solve or gate presen
ii. Is iii.	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway Structure an obvious need to repair or replace trash rack? N/A Any noticeable problems with debris? N/A Solve or gate present? N/A Puttet Pipe ny water visibly flowing or leaking outside of the discharge pipe? N/A Describe any deflection or damage observed to the pipe: N/A Visible condition of outlet channel: N/A N/A N/A N/A N/A N/A N/A N/
ii. ls iii. ls iii. ls iii. ls iii. l	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway So there an obvious need to repair or replace trash rack? N/A: Any noticeable problems with debris? N/A: N/A
ii. Is iii. Is	se pools in the dam's local file. [9/18/15: Follow-up inspection, the middle 'pool' is flowing, fed by an apparent seep springing from the dam toe.] imary Spillway ny visible deterioration of structure? N/A: Only emergency spillway So there an obvious need to repair or replace trash rack? N/A Any noticeable problems with debris? N/A So valve or gate present? N/A Posscribe any deflection or damage observed to the pipe: N/A N/A Visible condition of outlet channel: N/A N/A N/A N/A N/A N/A N/A N/

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 classifica	ation?
No hazards observed downstream, immediate drainage into woodlands, Greg says parcels below dam have a i	marked 100f
no-build zone on either side of spillway channel, all observed downstream roads have bridges. Consider downgra-	ding to a C31
i. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner? Will be faxed in, owner will contact region to update information for owners of downstream properties as they sell.	contact
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? Yes	. 0
iii. Does EAP contain specific actions to take if the dam has failed or is near failure? Yes	
<u> </u>	
Section IV (Conclusions) General comments and recommendations:	
[9-18-15] The follow-up inspection found water springing from the ground near the middle of the toe of the dam	
[9-18-15] The follow-up inspection found water springing from the ground near the middle of the toe of the dam downstream. The pools of water to either side of this active flow are also of potential concern if they are being to	
downstream. The pools of water to either side of this active flow are also of potential concern if they are being to	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being to similar means of water boiling up under the pools.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being to similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas s	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being to similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being find similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material. The amount of trees and woody vegetation on both slopes of the dam is of concern. Creating a tree-removal plant.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being find similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material. The amount of trees and woody vegetation on both slopes of the dam is of concern. Creating a tree-removal plant.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being find similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material. The amount of trees and woody vegetation on both slopes of the dam is of concern. Creating a tree-removal plant.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being find similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material. The amount of trees and woody vegetation on both slopes of the dam is of concern. Creating a tree-removal plant.	ed by
downstream. The pools of water to either side of this active flow are also of potential concern if they are being find similar means of water boiling up under the pools. Where trees fall and pull up embankment material to create voids, or stumps decay into cavities, these areas sevaluated for repair and backfilled with an appropriate fill material. The amount of trees and woody vegetation on both slopes of the dam is of concern. Creating a tree-removal plant.	ed by

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.



July 2nd, 2015

Mr. Billy Ward & Mr. Ray Ward 4582 Paxville Highway Manning, SC 29102

RE:

Routine Inspection of Dam D-3492, Edna Ward Pond Dam, Clarendon County

Dear Mr. Ward,

As you are aware, our office performed a routine inspection of the Edna Ward Pond Dam on July 1st, 2015. Thank you for joining Dani Hallman and me for the inspection. Your dam appears to be functioning properly and received a "Satisfactory" rating. Enclosed you will find the inspection report, which summarizes any comments or concerns that we have about the dam.

You are commended for being pro-active in keeping the dam slopes, crest, and spillway largely clear of trees and brush. However, for the patch of trees mentioned in the report that we discussed, again, only trees of four inches (4") in diameter should be cut without evaluation. Any larger trees should be evaluated by a professional engineer, as their removal could constitute a repair of the dam that would require a permit, as the decay of larger root systems could lead to piping and ultimately failure of the dam.

Please remember to complete and return a copy of the Surveillance, Emergency Notification, and Action Plan to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency.

During the inspection, you were provided with a copy of the Notification Form for Ownership Change. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within 30 days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program of removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

Your dam will be inspected again in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-778-6548.



Sincerely,

Shawn S. Frazer
Regional Engineer
SC Department of Health & Environmental Control
Pee Dee EQC Region – Sumter
105 N. Magnolia St, Rm. 204
Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: John Poole, P.E., SC DHEC - Bureau of Water



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 3492 & Hazard Class C2	B. Name of Dam: Edna Ward Pond Dam
C. Inspection Date (07/01/20 15) & Time: 10:30	D. Date of Last Inspection: (03 / 21 / 2012 _)
E. Location-County/City: Clarendon / Manning	F. EQC Regional Office: Sumter
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Billy Ward & Ray Ward (Joint Ownership)	
I. Contact Person (if different from above): Billy Ward	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (803) 460 - 7398
16 B	Other ()
K. Dam Owner's or Contact Person's mailing address:	
Address 1 4582 Paxville Highway	
Address 2 (optional)	
City Manning , State	SC Zip Code 29102 - 5294
City Manning , State	
City Manning , State	
City Manning , State Section II (Dam Condition)	
	SC Zip Code 29102 - 5294
Section II (Dam Condition)	SC Zip Code 29102 - 5294
Section II (Dam Condition) General Condition Assessment (Select one of the follo	SC Zip Code 29102 - 5294
Section II (Dam Condition) General Condition Assessment (Select one of the follo a) Satisfactory b) Fair c) Poor	SC Zip Code 29102 - 5294
Section II (Dam Condition) General Condition Assessment (Select one of the follo a) Satisfactory ✓ b) Fair	SC Zip Code 29102 - 5294
Section II (Dam Condition) General Condition Assessment (Select one of the follo a) Satisfactory ✓ b) Fair	SC Zip Code 29102 - 5294
Section II (Dam Condition) General Condition Assessment (Select one of the followall Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Minor weeds & grass ii. Animal activity observed? None	SC Zip Code 29102 - 5294

	stream Slope egetation (grass, trees weeds)? Well-maintained grass
ii. A	nimal activity observed? Signs of digging/burrowing. Billy said he will fill the holes and continue to monitor.
iii. <i>F</i>	ny obvious alterations or repairs made? No
iv. E	rosion observed on upstream slope? No
	ettlement or cracks visible in slope? Some difference/variance in the angle of the slope. Looks old, might be from building up the en the last major repairs occurred.
i. Ve	wn Stream Slope getation (grass, trees weeds)? Mild vegetation of weeds & grass. Small patch of mostly older trees on the slope to the right where ownstream.
	nimal activity observed? None
iii. <i>F</i>	ny obvious alterations or repairs made? No
iv. E	rosion observed on down stream slope? None
v. S	ettlement or cracks visible in slope? None
vi. T	pe drains flowing? No toe drains observed
	rate, and any turbidity or color within the flow:
	mary Spillway y visible deterioration of structure?
i. Ar	mary Spillway
i. Ar ii. Is	mary Spillway y visible deterioration of structure? No
i. Ar ii. Is iii. A	mary Spillway y visible deterioration of structure? No there an obvious need to repair or replace trash rack? No
i. Ar ii. Is iii. A iv. Is	mary Spillway y visible deterioration of structure? No there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No
ii. Is iii. A iv. Is E. Ot	mary Spillway y visible deterioration of structure? No there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No valve or gate present? Yes, valve is present. Billy said he will test/work the gate at the next available opportunity.
ii. Ar iii. Is iii. A iv. Is E. Ou ii. Ar	mary Spillway y visible deterioration of structure? No there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No valve or gate present? Yes, valve is present. Billy said he will test/work the gate at the next available opportunity. Itlet Pipe y water visibly flowing or leaking outside of the discharge pipe? No
ii. Ar iii. Is iii. A iv. Is E. Ou ii. Ar iii. D	mary Spillway y visible deterioration of structure? No there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No valve or gate present? Yes, valve is present. Billy said he will test/work the gate at the next available opportunity. Itlet Pipe y water visibly flowing or leaking outside of the discharge pipe? No escribe any deflection or damage observed to the pipe: None
ii. Ar iii. Is iii. A iv. Is ii. Ar iii. D	there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? Ves., valve is present. Billy said he will test/work the gate at the next available opportunity. Interest Pipe Yes, valve is present of the discharge pipe? Yes water visibly flowing or leaking outside of the discharge pipe? No Poscribe any deflection or damage observed to the pipe: None None None
ii. Ar iii. Is iii. A iv. Is ii. Ar iii. D	there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No valve or gate present? Yes, valve is present. Billy said he will test/work the gate at the next available opportunity. Ittlet Pipe y water visibly flowing or leaking outside of the discharge pipe? Poscribe any deflection or damage observed to the pipe: No isible condition of outlet channel: Fine killiary (Emergency) Spillway ticeable obstructions to flow? No significant obstructions, vegetation and weeds.

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.



August 31, 2015

Chris Cogdill Panola Enterprises L.P. PO Box 1199 Summerton SC, 29148

RE:

Follow-up Inspection of Dam D-3498, Cola Plantation Dam, Clarendon County

Dear Mr. Cogdill:

This office performed a follow-up inspection of the Cola Plantation Dam on August 31st, 2015 after a preliminary inspection on July 1st. The quick action taken to repair the erosion noted in the previous inspection is commendable, and the dam was cleared of vegetation as requested. Overall, the dam appears in good condition, and based on this inspection, it was rated as 'Fair.' Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The sandy fill-material used to repair the slumping areas is beginning to erode on the slopes in the recent rains. This area should be monitored and grass or another uniform ground-cover should be established as soon as possible to prevent further erosion.
- With the brush cut back, two erosion gullies on the western downstream slope were observed that should be repaired.
- There are number of trees on the downstream slope of the dam. Trees four inches (4") or less in diameter should be cut as part of routine maintenance, but we recommend evaluating the larger trees for a tree-removal plan under the guidance of a professional engineer.
- The routine maintenance performed on the dam to remove thick brush and vegetation should be extended to also clear brush from the slope of the emergency spillway.

I am enclosing a copy of the Surveillance, Emergency Notification, and Action Plan to complete and return, signed, to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency.

Also enclosed is a copy of the Notification Form for Ownership Change. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



Please continue your routine maintenance program of removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years.. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer

Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region - Sumter

105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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 3498 & Hazard Class c2	B. Name of Dam: Cola Plantation Dam
C. Inspection Date (08 / 31 /20 15) & Time: 9:30	D. Date of Last Inspection: (07 / 01 / 2015 _)
E. Location-County/City: Clarendon / Summerton	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Chris Codgill	552
I. Contact Person (if different from above): Tim Baxley	
J. Dam Owner's or Contact Person's Phone Numbers:	Chris Cell (803 696 - 6007
	Tim Office ###e (803) 609 - 6825
I/ Dani Overania au Cantant Barrania mailine addusas	Tim Cell ###r (_803_) _4607323
K. Dam Owner's or Contact Person's mailing address:	
Address 1 Chris Codgill, Panola Enterprises LP	
Address 2 (optional) PO Box 1199	
City Summerton , State	<u>SC</u> Zip Code <u>29148</u>
Section II (Dam Condition)	
Section II (Dam Condition) General Condition Assessment (Select one of the following)	owing):
	owing): d) Unsatisfactory e) Not Rated
General Condition Assessment (Select one of the folk	
General Condition Assessment (Select one of the followard) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	
General Condition Assessment (Select one of the followard) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist)	
General Condition Assessment (Select one of the followard) a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	
General Condition Assessment (Select one of the folice a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds ii. Animal activity observed? Dog digging in the new fill material	
General Condition Assessment (Select one of the folk a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds ii. Animal activity observed? Dog digging in the new fill material	d) Unsatisfactory e) Not Rated
General Condition Assessment (Select one of the folk a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds ii. Animal activity observed? Dog digging in the new fill material iii. Any obvious alteration or repairs made? Fill dirt on cres	d) Unsatisfactory e) Not Rated
General Condition Assessment (Select one of the folk a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, weeds ii. Animal activity observed? Dog digging in the new fill material iii. Any obvious alteration or repairs made? Fill dirt on crest iv. Erosion noticed on crest? None observed	d) Unsatisfactory e) Not Rated

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? grass, weeds ii. Animal activity observed? None observed iii. Any obvious alterations or repairs made? Previously observed slumping near middle of the dam has been covered with a sandy fill material. Sandy fill material is filtering down into the water, grass should be seeded/encouraged as iv. Erosion observed on upstream slope? soon as possible. v. Settlement or cracks visible in slope? None observed C. Down Stream Slope i. Vegetation (grass, trees weeds)? grass, weeds, trees approx 10-15 ft down the slope ii. Animal activity observed? None observed Fill material in previously observed slumping/slide on downstream slope near iii. Any obvious alterations or repairs made? middle of dam iv. Erosion observed on down stream slope? Two gullies on western edge of dam should be monitored, possibly filled and v. Settlement or cracks visible in slope? None observed vi. Toe drains flowing? No toe drains observed vii. Any seepage observed? If so, describe location, None observed flow rate, and any turbidity or color within the flow: **D. Primary Spillway** i. Any visible deterioration of structure? No. Structure looks to be in good condition ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? Weeds growing in the riser, should occasionally be removed. iv. Is valve or gate present? Valve present at riser appears in good condition. If it does not pose a risk, the gate should be worked occasionally to ensure that it stays in good working condition. E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? Could not inspect, slope too wet/steep to traverse. None observed. ii. Describe any deflection or damage observed to the pipe: No deflection observed to visible portions of pipe. iii. Visible condition of outlet channel: Outlet pipe drains water into center of pool, looks fine. F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Brush, weeds, should be cleared ii. Animal activity observed? None observed iii. Any noticeable deterioration in the approach or discharge channel? None observed iv. Any visible deterioration of structure's crest? None observed

v. ii applicabio	any observed exposure of rebar reinforcement? N/A
vi. If applicable	, any visible leakage below concrete spillway? N/A
	I/Hazard Class Issues le changes immediately downstream of the dam that affects the hazard classification?
	ction Plan (EAP) Action Plan provided by owner? Mailing another copy of form for owner/contact to complete.
ii. Does EAP c	ontains 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 comr	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or
General comr Weeds/brush were corrected, but the	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously.
General common Weeds/brush were corrected, but the The slumping/slide	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding
General comr Weeds/brush were corrected, but the The slumping/slide some in recent rai	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously.
General common Weeds/brush were corrected, but the The slumping/slide some in recent rai and controlled.	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding ns. Grass should be encouraged in this area, and until it is well-established, erosion should be monitored
General common Weeds/brush were corrected, but the The slumping/slide some in recent rail and controlled. There were two approximately common to the slumping of the slumping	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding ns. Grass should be encouraged in this area, and until it is well-established, erosion should be monitored oparent gullies observed on the downstream slope on the west side of the dam that should be monitored.
General comr Weeds/brush were corrected, but the The slumping/slide some in recent rai and controlled. There were two appropriately	nents and recommendations: a cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. Be noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding the necessary of the same and until it is well-established, erosion should be monitored opparent gullies observed on the downstream slope on the west side of the dam that should be monitored of grassing over these areas if they appear to be worsening.
General comr Weeds/brush were corrected, but the The slumping/slide some in recent rai and controlled. There were two appropriately	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding ns. Grass should be encouraged in this area, and until it is well-established, erosion should be monitored oparent gullies observed on the downstream slope on the west side of the dam that should be monitored.
General common Weeds/brush were corrected, but the The slumping/slidesome in recent rail and controlled. There were two all Consider filling and There are a number of the state of the sta	nents and recommendations: a cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. Be noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding the necessary of the same and until it is well-established, erosion should be monitored opparent gullies observed on the downstream slope on the west side of the dam that should be monitored of grassing over these areas if they appear to be worsening.
General common Weeds/brush were corrected, but the The slumping/slide some in recent raise and controlled. There were two appropriate two appropriates are a number of the summer of the	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding ns. Grass should be encouraged in this area, and until it is well-established, erosion should be monitored oparent gullies observed on the downstream slope on the west side of the dam that should be monitored d grassing over these areas if they appear to be worsening. er of large trees on the downstream slope of the dam, some have fallen previously and pulled up rootball
General common Weeds/brush were corrected, but the The slumping/slide some in recent rail and controlled. There were two approved the Consider filling and There are a numbor trees four inches trees should be consider filling and the consider four inches trees should be consider filling and the consider four inches trees should be consider filling and the consider four inches trees should be consider for the filling and the consideration for the filling and t	nents and recommendations: e cut back significantly, follow-up observations found a few additional areas that should be monitored or dam is otherwise in good condition. Commendably fast action on the erosion seen previously. es noticed in the July 1st inspection have been filled in with a sandy filler material, which was eroding ans. Grass should be encouraged in this area, and until it is well-established, erosion should be monitored opparent gullies observed on the downstream slope on the west side of the dam that should be monitored a grassing over these areas if they appear to be worsening. er of large trees on the downstream slope of the dam, some have fallen previously and pulled up rootball in diameter or lessmay be cut down and stumps covered with a waterproof wood preservative, but larger

<u>Preliminary Dam Inspection Disclaimer:</u>

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.



Promoting and protecting the health of the public and the environment

September 11, 2015

Clarence Hilton 1068 Schooner Trail Summerton, S.C. 29148

Routine Inspection of Dam D-3500, "Stukes/Briggs" Dam, Kershaw County RE:

Dear Mr. Hilton:

This office performed a routine inspection of the listed dam on September 2nd, 2015. Thank you for meeting me for this inspection. Generally, the dam appears in good condition, and based on this inspection, it was rated as 'Fair.' You are commended for being proactive in your general maintenance of the dam and controlling the beaver population. Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The issues with the dam itself noted from the previous inspection appeared to be resolved.
- There are number of trees on both slopes of the dam. Trees and other deep-rooted growth on any part of a dam can create a situation that is hazardous to the integrity of the dam.
 - o Trees or other woody vegetation four inches (4") or less in diameter should be cut as part of your routine maintenance program.
 - o A uniform growth of grassy vegetation on both slopes, the crest, and spillway is considered an ideal cover, and should be encouraged during routine maintenance.
 - o This department strongly recommends dam owners with trees establish a tree-removal plan under the guidance of a professional engineer, to safely remove trees larger than 4" (and their root systems) gradually over the course of several years.

When completed, please mail a copy of the Surveillance, Emergency Notification, and Action Plan with original signatures to our Sumter office. You should also keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

During the inspection, I gave you a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.



Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.

Sincerely,

Shawn S. Frazer

Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204

Sumter, SC 29150

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc:

Mr. Lionel Stukes

Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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 3500 & Hazard Class c2	B. Name of Dam: Stukes/Briggs Pond Dam
C. Inspection Date (09 / 02 / 20 15) & Time: 9:30	D. Date of Last Inspection: (01 / 25 / 2012 _)
E. Location-County/City: Clarendon / Summerton	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: Clarence Hilton & Lionel Stukes	*
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Mr. Stukes #### (_803) 485 - 8562
a	Mr. Hilton (cell) #### (703) 470 - 1534
	Mr. Hilton (office) ### (803) 885 - 8539
K. Dam Owner's or Contact Person's mailing address:	
Address 1 1068 Schooner Trail	
Address 1 1068 Schooner Trail Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional), S	
Address 2 (optional) City Summerton , S Section II (Dam Condition)	tate SC Zip Code 29148 -
Address 2 (optional) City Summerton S Section II (Dam Condition) General Condition Assessment (Select one of the form	tate SC Zip Code 29148
Address 2 (optional) City Summerton , S Section II (Dam Condition)	tate SC Zip Code 29148 -
Address 2 (optional) City Summerton S Section II (Dam Condition) General Condition Assessment (Select one of the form	tate SC Zip Code 29148
Address 2 (optional) City Summerton , S Section II (Dam Condition) General Condition Assessment (Select one of the factor) a) Satisfactory b) Fair c) Poor [Section III (Dam Inspection Checklist)	tate SC Zip Code 29148
Address 2 (optional) City Summerton , S Section II (Dam Condition) General Condition Assessment (Select one of the factor) a) Satisfactory b) Fair c) Poor [tate SC Zip Code 29148
Address 2 (optional) City Summerton , S Section II (Dam Condition) General Condition Assessment (Select one of the fall a) Satisfactory b) Fair c) Poor [Section III (Dam Inspection Checklist) A. Dam Crest	tate SC Zip Code 29148
Address 2 (optional) City Summerton , S Section II (Dam Condition) General Condition Assessment (Select one of the far of a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, dirt	tate SC Zip Code 29148 following): d) Unsatisfactory e) Not Rated
Address 2 (optional) City Summerton , S Section II (Dam Condition) General Condition Assessment (Select one of the far a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass, dirt ii. Animal activity observed? None observed.	tate SC Zip Code 29148 following): d) Unsatisfactory e) Not Rated

Section III (Dam Inspection Checklist) continued **B.** Upstream Slope i. Vegetation (grass, trees weeds)? Grass, dirt. Several large trees that might be evaluated as part of tree-removal plan. ii. Animal activity observed? Small area near eastern end of dam looked to be recently dug in, but no burrow. Suggest monitoring. iii. Any obvious alterations or repairs made? None observed. iv. Erosion observed on upstream slope? Steep slope on dam face, but no observed erosion that looked recent. v. Settlement or cracks visible in slope? None observed. C. Down Stream Slope i. Vegetation (grass, trees weeds)? Weeds, small and large trees. ii. Animal activity observed? None observed. iii. Any obvious alterations or repairs made? None observed. iv. Erosion observed on down stream slope? None observed. v. Settlement or cracks visible in slope? None observed. vi. Toe drains flowing? No toe drains observed. vii. Any seepage observed? If so, describe location, None observed. flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? No primary spillway, structure filled years ago, only emergency/runaround spillway remains. ii. Is there an obvious need to repair or replace trash rack? N/A iii. Any noticeable problems with debris? N/A iv. Is valve or gate present? N/A 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: N/A iii. Visible condition of outlet channel: F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? None observed. Mr. Hilton said that the spillway was periodically cleared for debris/obstructions.

iii. Visible condition of outlet channel: NA F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? None observed. Mr. Hilton said that the spillway was periodically cleared for debris/obstructions. None observed. iii. Any noticeable deterioration in the approach or discharge channel? None observed. None observed. None observed. None observed.

. Iт арріісаріе, any observ	ved exposure of rebar reinforcement? N/A		
vi. If applicable, any visible leakage below concrete spillway? N/A			
H. Downstream/Hazard Cla			
i. Any noticeable changes i	immediately downstream of the dam that affects the hazard classification?		
None observed			
. Emergency Action Plan			
i. Emergency Action Plan	provided by owner? Mr. Hilton given a copy during inspection to complete and r	eturn	
ii. Does EAP contains eme	ergency alert notification plan? If so, when was it last updated?		
iii. Does EAP contain spec	cific actions to take if the dam has failed or is near failure?		
General comments and r	recommendations:		
	recommendations: a contractor that regularly comes and monitors for and controls beaver activity on the p	ond.	
		ond.	

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.



September 18, 2015

The Graves Company Inc. Attn: David Graves P.O. Box 8656 Columbia, S.C. 29202

RE: Routine Inspection of Dam D-4210, "Graves Ski Pond / Longbranch Lake" Dam

Dear Mr. Graves:

This office performed a routine inspection of the listed dam on August 24th, 2015. Generally, the dam appears in good condition, and based on this inspection, it was rated as 'Fair.' You are commended for being proactive in your general maintenance of the dam. Enclosed you will find the inspection report, which lists any comments or concerns about the dam. Of note:

- The geotextile fabric and riprap underneath and around the outlet pipe need to be replaced. There is no riprap remaining and the fabric is torn, exposing the soil underneath, which appears to be eroding and undercutting the pipe.
- The area on the downstream slope above the outlet pipe is covered in overgrown vegetation, which should be moved or cut down as part of your general maintenance.
- There are some weeds and vegetation growing in the riser's trash rack. These should be removed at the next convenient opportunity.

Thank you for sending in an updated copy of the Surveillance, Emergency Notification, and Action Plan. You should keep a copy of this plan in an easily accessible location so that all agencies and individuals that may be affected can be notified as quickly as possible in the event of an emergency. If you need an additional copy of the plan, please contact me at this office.

Enclosed is a copy of the Notification Form for Ownership Change for your records. According to the S.C. Dams and Reservoirs Safety Act, you must notify us within thirty (30) days following the transfer of the dam to someone else. The form should include the new owners contact information as well as your own and be mailed to our central office in Columbia.

Please continue your routine maintenance program, including: removing brush and small trees, repairing areas of erosion (slumping, settling, cave-ins, cracks, etc.), maintaining a good cover of grass, and keeping the dam and spillways in good operating condition. Please conduct periodic visual inspections of the dam when convenient, and report any significant changes or problems that may affect the safety of the dam.

This dam is scheduled for another inspection in three (3) years. If you have any questions or concerns before the next inspection, please feel free to contact me at 803-934-2937.



Sincerely,

Shawn S. Frazer Regional Engineer

SC Department of Health & Environmental Control

Pee Dee EQC Region – Sumter 105 N. Magnolia St, Rm. 204 Sumter, SC 29150

Show & Ohm

E-mail: frazerss@dhec.sc.gov Office Phone: (803) 778-6548

Fax: (803) 934-2938

Cc: Jamie Ford, S.C. DHEC Bureau of Water - Dams and Reservoirs Permitting



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

A. Dam Number: D <u>4210</u> & Hazard Class <u>C2</u>	B. Name of Dam: Grave Ski Pond (Longbranch Lake)
C. Inspection Date (<u>08/24/20</u> <u>15</u>) & Time: <u>11:00</u>	D. Date of Last Inspection: (_03/22/2012_)
E. Location-County/City: Kershaw / Camden	F. EQC Regional Office: Sumter EQC
G. Inspector's Name: Shawn S. Frazer	
H. Owner's Name: David Graves	
. Contact Person (if different from above): N/A	
J. Dam Owner's or Contact Person's Phone Numbers:	Cell ##6##e (_803_) _3316822_
7 V2 T28 0	Office (803) 779 - 3295
= = =	Fax ### (_803_)_7791967_
C. Dam Owner's or Contact Person's mailing address:	
Address 1 PO BOX 8656	
Address 2 (optional)	
	te_ <u>SC</u>
	te <u>SC</u> Zip Code <u>29202</u>
City Columbia Standard Section II (Dam Condition) General Condition Assessment (Select one of the folia) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	te <u>SC</u> Zip Code <u>29202</u>
City Columbia , Standard , Standard , Section II (Dam Condition) General Condition Assessment (Select one of the folia) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass	te SC Zip Code 29202
City Columbia , Standard , Standard , Standard , Standard , Standard , Section II (Dam Condition) General Condition Assessment (Select one of the foliation) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass ii. Animal activity observed? None Observed	te SC Zip Code 29202

	ation (grass, trees weeds)? Grass
ii. Anim	al activity observed? None Observed
iii. Any	obvious alterations or repairs made? None Observed
iv. Erosi	on observed on upstream slope? None Observed
v. Settle	ment or cracks visible in slope? None Observed
	Stream Slope tation (grass, trees weeds)? Grass/weeds, thick growth above outlet pipe
ii. Anim	al activity observed? None Observed
iii. Any	obvious alterations or repairs made? None Observed
iv. Erosi	on observed on down stream slope? None Observed
v. Settle	ment or cracks visible in slope? None Observed
vi. Toe	drains flowing? No toe drains Observed
	e, and any turbidity or color within the flow: on either side northmost power pole on dam.
). Prima i. Any vi	ry Spillway sible deterioration of structure? None Observed
). Prima i. Any vi	ry Spillway
). Prima i. Any vi ii. Is the	ry Spillway sible deterioration of structure? None Observed
i. Any viii. Is the	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No No No Weeds/vegetation are growing on the trash rack and spillway. These should be remove vailable opportunity.
i. Any viii. Is the	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No No No Weeds/vegetation are growing on the trash rack and spillway. These should be remove
i. Any vi ii. Is the iii. Any i at the next a iv. Is va	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No Noticeable problems with debris? Weeds/vegetation are growing on the trash rack and spillway. These should be remove vailable opportunity. None observed
i. Any vi ii. Is the iii. Any i at the next a iv. Is va E. Outle i. Any w	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No Noticeable problems with debris? Weeds/vegetation are growing on the trash rack and spillway. These should be remove valiable opportunity. None observed t Pipe
i. Any vi ii. Is the iii. Any i at the next a iv. Is va E. Outle i. Any w ii. Desc	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No noticeable problems with debris? Weeds/vegetation are growing on the trash rack and spillway. These should be remove vailable opportunity. Ive or gate present? None observed t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed ribe any deflection or damage observed to the pipe: A small section of corrugated metal pipe was see tillway channel, couldn't closely inspect the outlet pipe for damage due to thick vegetation and steep channel walls.
i. Any vi ii. Is the iii. Any vi at the next a iv. Is va E. Outle i. Any w ii. Desc down the sp iii. Visib	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No Noticeable problems with debris? Weeds/vegetation are growing on the trash rack and spillway. These should be remove vailable opportunity. None observed t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed None observed A small section of corrugated metal pipe was see illway channel, couldn't closely inspect the outlet pipe for damage due to thick vegetation and steep channel walls. In riprap and geotextile fabric around the outlet pipe have deteriorated to the point of bare.
i. Any vi ii. Is the iii. Any vi iii. Any vi at the next a iv. Is va E. Outle i. Any w ii. Desc down the sp iii. Visib earth under	ry Spillway sible deterioration of structure? None Observed re an obvious need to repair or replace trash rack? No Noticeable problems with debris? Weeds/vegetation are growing on the trash rack and spillway. These should be remove vailable opportunity. Ive or gate present? None observed t Pipe rater visibly flowing or leaking outside of the discharge pipe? None observed None observed A small section of corrugated metal pipe was see illway channel, couldn't closely inspect the outlet pipe for damage due to thick vegetation and steep channel walls. Ite condition of outlet channel: The riprap and geotextile fabric around the outlet pipe have deteriorated to the point of bare the pipe.
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	gency) Spillway continued y observed exposure of rebar reinforcement? N/A
vi. If applicable, any	y visible leakage below concrete spillway? N/A
	zard Class Issues hanges immediately downstream of the dam that affects the hazard classification? No
. Emergency Actio i. Emergency Actio	on Plan (EAP) on Plan provided by owner? Yes, mailed in.
ii. Does EAP conta	ains emergency alert notification plan? If so, when was it last updated? Updated in 2015
iii. Does EAP conta	ain specific actions to take if the dam has failed or is near failure? Yes
	ts and recommendations:
With the exception of the	he outlet pipe erosion and washed out riprap below the pipe, the dam is in excellent condition.
With the exception of the riprap and geotext	the outlet pipe erosion and washed out riprap below the pipe, the dam is in excellent condition. tile under the outlet pipe need to be replaced, but the erosion that has occurred appeared minimal.
With the exception of the riprap and geotext The piece of corrugate	the outlet pipe erosion and washed out riprap below the pipe, the dam is in excellent condition. tile under the outlet pipe need to be replaced, but the erosion that has occurred appeared minimal. d pipe found downstream of the outlet channel might not be from the dam spillway itself, but the heave
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<u>Preliminary Dam Inspection Disclaimer:</u>
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.