

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

October 5, 2015

Karen Allen Cherokee County Soil and Water Conservation District 1252 Overbrook Dr, Ste 1B Gaffney SC 29341

Re:

Reinspection of Dam D-0009,

Thicketty Creek WCD #26 Lake Thicketty Dam, Cherokee County

Dear Ms Allen:

On August 27, 2015 a routine reinspection of the Thicketty Creek WCD #26, Lake Thicketty Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- The dam needs to be mowed and cleared of brush.

This dam is given an overall Satisfactory assessment. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW



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

0000 011 121 22	
A. Dam Number: D 0009 & Hazard Class c2 B. Nan	ne of Dam: Lake Thicketty Dam
C. Inspection Date (08/27/20 15) & Time: 12:00 D. Date	e of Last Inspection: (11/21/2012_)
E. Location-County/City: Cherokee / Gaffney F. EQC	Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Cherokee County Soil and Water Conservation District	
I. Contact Person (if different from above): Karen Allen	
J. Dam Owner's or Contact Person's Phone Numbers:	Home () Office (864) 489 - 7150
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 1252 Overbrook Dr., Ste 1B	
Address 2 (optional)	
City Gaffney , State SC	Zip Code 29341
City Gaffney, State SC	Zip Code _29341
	Zip Code <u>29341</u>
Section II (Dam Condition) General Condition Assessment (Select one of the following):	zip Code _29341 atisfactory e) Not Rated
Section II (Dam Condition) General Condition Assessment (Select one of the following):	
Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsat	
Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory ✓ b) Fair c) Poor d) Unsate Section III (Dam Inspection Checklist) A. Dam Crest	
Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory ✓ b) Fair	
Section II (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory ✓ b) Fair	

ii. Anima	l activity observed? No
iii. Any o	bvious alterations or repairs made? No
iv. Erosio	n observed on upstream slope? No
v. Settler	nent or cracks visible in slope? No
· Down C	stream Slope
	tion (grass, trees weeds)? Grass
ii. Anima	I activity observed? No
iii. Any o	bvious alterations or repairs made? No
iv. Erosio	n observed on down stream slope? No
v. Settlen	nent or cracks visible in slope? No
vi. Toe dr	ains flowing? Yes - clear
Primary	and any turbidity or color within the flow:
i. Any visi	Spillway ble deterioration of structure? an obvious need to repair or replace trash rack? No
i. Any visi	Spillway ble deterioration of structure? No
i. Any visi	Spillway ble deterioration of structure? an obvious need to repair or replace trash rack? No
ii. Is there iii. Any no iv. Is valv	Spillway ble deterioration of structure? an obvious need to repair or replace trash rack? No sticeable problems with debris? No e or gate present? Yes
ii. Is there iii. Any no iv. Is valv i. Outlet I i. Any wat	Spillway ble deterioration of structure? an obvious need to repair or replace trash rack? No sticeable problems with debris? or gate present? Yes
ii. Is there iii. Any no iv. Is valv i. Outlet I i. Any wat	Spillway ble deterioration of structure? e an obvious need to repair or replace trash rack? No sticeable problems with debris? No e or gate present? Yes Pipe ter visibly flowing or leaking outside of the discharge pipe? No
ii. Is there iii. Is there iii. Any no iv. Is valv i. Outlet I i. Any wat ii. Describ iii. Visible Auxiliar	ble deterioration of structure? No e an obvious need to repair or replace trash rack? No eticeable problems with debris? No e or gate present? Yes Pipe ter visibly flowing or leaking outside of the discharge pipe? No ee any deflection or damage observed to the pipe: None
ii. Is there iii. Is there iii. Any no iv. Is valv i. Outlet I i. Any wat ii. Describ iii. Visible Auxiliar . Noticeat	Spillway ble deterioration of structure? an obvious need to repair or replace trash rack? bliceable problems with debris? no e or gate present? Yes Pipe ter visibly flowing or leaking outside of the discharge pipe? no no no No No No No Pipe ter visibly flowing or damage observed to the pipe: No condition of outlet channel: Ok
ii. Is there iii. Is there iii. Any no iv. Is valv i. Outlet I i. Any wat ii. Describ iii. Visible Auxiliar i. Noticeal i. Animal	Spillway ble deterioration of structure? e an obvious need to repair or replace trash rack? No sticeable problems with debris? No e or gate present? Yes Pipe ter visibly flowing or leaking outside of the discharge pipe? No e any deflection or damage observed to the pipe: None condition of outlet channel: Ok y (Emergency) Spillway ble obstructions to flow? No

v. If applicable, any observed exposure of rebar reinforcement?			
vi. If applicable, any visible leakage below concrete spillway?			
I. Downstream/Hazard Class Issues i. Any noticeable changes immediately do	ownstream of the dam that affects the hazard classification? No		
Emergency Action Plan (EAP) i. Emergency Action Plan provided by ow	ner? On file		
ii. Does EAP contains emergency alert no	otification plan? If so, when was it last updated? Yes-11/29/2012		
iii. Does EAP contain specific actions to t	ake if the dam has failed or is near failure? Yes		
General comments and recommendati			
General comments and recommendati			
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General comments and recommendati			

<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.

DHEC 2604 (Rev 11/2011)



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

May 12, 2015

Mr. Jay Squires Spartanburg County Post Office Box 1749 Spartanburg, South Carolina 29304

Re: Reinspection of Dam D-0032, Duncan Park Lake Dam, Spartanburg County

Dear Mr. Squires:

On April 24, 2015, I conducted a routine reinspection of the Duncan Park Lake Dam.

I am enclosing a copy of my inspection report on the dam. Overall, the dam appears in Fair condition, and your existing maintenance program should continue. In addition, a tree removal plan should be developed and implemented for this dam.

A copy of the Emergency Notification Plan is in our file, but is significantly outdated. Should the dam experience difficulty, the appropriate emergency officials should be notified. A copy of DHEC Form 2606 is enclosed. Please complete and return this form, along with the tree removal plan, within 90 days of receipt of this letter.

Please let me know if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: John Poole – Facilities Compliance Section, BW, w/inspection report



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 0032 & Hazard Class c2	B. Name of Dam: Duncan Park Dam
C. Inspection Date (04/24/20 15) & Time: 12:30	D. Date of Last Inspection: (03 /13 / 2009 _)
E. Location-County/City: Spartanburg / Spartanburg	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: City of Spartanburg	and the state state
I. Contact Person (if different from above): Jay Squires	a variable and the second and the
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864)596 _ 2089
	Other (864_) 8090278_
K. Dam Owner's or Contact Person's mailing address:	
Address 1 PO Box 1749	
Address 1 PO Box 1749 Address 2 (optional)	
Address 2 (optional)	tate <u>SC</u> Zip Code <u>29304</u>
Address 2 (optional)	ollowing):
Address 2 (optional) City Spartanburg , 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	ollowing):
Address 2 (optional) City Spartanburg , 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)? Paved, OK	ollowing):
Address 2 (optional) City Spartanburg , 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)? Paved, OK ii. Animal activity observed? No	ollowing):
Address 2 (optional) City Spartanburg , 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)? Paved, OK ii. Animal activity observed? No iii. Any obvious alteration or repairs made? No	ollowing):

Section III (Dam Inspection Checklist) continued

	vity observed? No
ii. Ailiiliai activ	ny observou.
iii. Any obvious	s alterations or repairs made? No
iv. Erosion obs	erved on upstream slope? No
v. Settlement o	or cracks visible in slope? No
. Down Stream	· · · · · · · · · · · · · · · · · · ·
	grass, trees weeds)? Covered with kudzu but maintained. Some brush needs to be cleared; trees larger than 4" in
	idressed in tree removal plan.
ii. Animal activ	ity observed? No
iii. Any obvious	s alterations or repairs made? No
iv. Erosion obs	erved on down stream slope? No
v. Settlement o	r cracks visible in slope? No
vi. Toe drains fl	Owing? No toe drains.
	e observed? If so, describe location, any turbidity or color within the flow:
. Primary Spill	wav
	eterioration of structure? No
ii. Is there an ol	bvious need to repair or replace trash rack? No
iii. Any noticeat	ple problems with debris? No
iv. Is valve or g	ate present? v
iv. is valve or g	ate present? Yes
. Outlet Pipe	
	ibly flowing or leaking outside of the discharge pipe? Could not locate.
ii. Describe any	deflection or damage observed to the pipe:
iii. Visible condi	tion of outlet channel:
	ergency) Spillway structions to flow? No
i. Animal activity	y observed? No
	le deterioration in the approach or discharge channel? No
ii. Any noticeab	le deterioration in the approach or discharge channel?
	eterioration of structure's crest? No

v. If applicable,	any observed exposure of rel	bar reinforcement? No
vi. If applicable	any visible leakage below co	ncrete spillway? No
	Hazard Class Issues changes immediately downs	stream of the dam that affects the hazard classification?
. Emergency A	tion Plan (EAP) tion Plan provided by owner	? Needs updating.
ii. Does EAP co	ntains emergency alert notific	cation plan? If so, when was it last updated?
iii. Does EAP c	ntain specific actions to take	if the dam has failed or is near failure?
General comm	ents and recommendations	s: intained given its age. The large trees on the dam require the developme
General comm	ents and recommendations condition. Dam is relatively well-ma	
General comm	ents and recommendations condition. Dam is relatively well-ma	intained given its age. The large trees on the dam require the development
General comm	ents and recommendations condition. Dam is relatively well-ma	intained given its age. The large trees on the dam require the development
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General comm	ents and recommendations condition. Dam is relatively well-ma	intained given its age. The large trees on the dam require the development
Dam is in overall fair	ents and recommendations condition. Dam is relatively well-ma	intained given its age. The large trees on the dam require the development

Preliminary Dam Inspection Disclaimer:

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DHEC 2604 (Rev 11/2011)



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

May 26, 2015

James Ness 324 Webber Rd Cowpens SC 29330

Re:

Reinspection of Dam D-1416,

Sunny Slopes Farm Dam, Cherokee County

Dear Mr. Ness:

On April 27, 2015 a routine reinspection of the Sunny Slopes Farm Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- -The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter.
- -There is considerable evidence of beaver activity on and around the dam. This activity should be controlled, and the stumps left by the beaver should be addressed in the assessment.
- -An emergency plan should be developed for the dam. I am enclosing a copy of DHEC Form 2606. Please complete and return this form to this office.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely.

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: John Poole, P.E. - Dams and Reservoir Safety, BW



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 1416 & Hazard Class C2	B. Name of Dam: Sunny Slopes Farms Dam
C. Inspection Date (04/27/20 15) & Time: 12:45	D. Date of Last Inspection: (12 /16 /2012 _)
E. Location-County/City: Cherokee / Cowpens	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: James Ness	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home (864_) 490 1293_
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other (864_) _ 490 _ 2209 _
A delega of 324 Webber Rd	
Address 1 324 Webber Rd	
Address 2 (optional)	
Address 2 (optional)	
Address 2 (optional), State	re <u>SC</u> Zip Code <u>29330</u>
Address 2 (optional) City Cowpens , State Section II (Dam Condition) General Condition Assessment (Select one of the following the following series of the following series	re <u>SC</u> Zip Code <u>29330</u>
Address 2 (optional) City Cowpens , State Section II (Dam Condition) General Condition Assessment (Select one of the following the following series of the following series	e SC Zip Code 29330
Address 2 (optional) City Cowpens , State Section II (Dam Condition) General Condition Assessment (Select one of the follow) a) Satisfactory b) Fair (c) Poor	e SC Zip Code 29330
Address 2 (optional) City Cowpens , State 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	e SC Zip Code 29330
Address 2 (optional) City Cowpens , State 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)? Grassed, OK	e SC Zip Code 29330
Address 2 (optional) City Cowpens , State 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)? Grassed, OK ii. Animal activity observed? No	e SC Zip Code 29330

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Overgrown with brush and large trees.
ii. Animal activity observed? Yes, several trees downed by beaver.
iii. Any obvious alterations or repairs made? no
iv. Erosion observed on upstream slope? no
v. Settlement or cracks visible in slope? no
C. Down Stream Slope i. Vegetation (grass, trees weeds)? Overgrown with brush and large trees.
ii. Animal activity observed? Yes, several trees downed by beaver.
iii. Any obvious alterations or repairs made? no
iv. Erosion observed on down stream slope? no
v. Settlement or cracks visible in slope? no
vi. Toe drains flowing? no toe drains
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: yes, seepage at toe of dam, midway across, flowing clear.
D. Primary Spillway i. Any visible deterioration of structure? no
ii. Is there an obvious need to repair or replace trash rack?
iii. Any noticeable problems with debris? A lot of accumulated debris, trash rack needs to be cleared.
iv. Is valve or gate present? Not visible
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? No
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel: Ok
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? OK
ii. Animal activity observed? No
iii. Any noticeable deterioration in the approach or discharge channel? No
iv. Any visible deterioration of structure's crest? No
EC 2604 (Rev 11/2011)

F. Auxiliary (Er	nergency) Spillway continued
v. If applicable	, any observed exposure of rebar reinforcement? N/A
vi. If applicable	e, any visible leakage below concrete spillway? N/A
I. Downstream i. Any noticeab	n/Hazard Class Issues le changes immediately downstream of the dam that affects the hazard classification?
. Emergency A i. Emergency A	Action Plan (EAP) Action Plan provided by owner? Need updated EAP.
ii. Does EAP o	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?
-Dam needs to be	nents and recommendations: cleared of brush and an assessment made of trees on the dam.
	eeds to be controlled.
-Emergency plan	needs to be completed and returned to DHEC.
¥.	

Preliminary Dam Inspection Disclaimer:

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DHEC 2604 (Rev 11/2011)

S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL CONTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

	DAM, D .				County	
ZA	DWNER		MANAGER		OPERATOR	(Please Check One)
the a	e above reference dam, the perso bove dam and reservoir and are ving Emergency Notification Plan	respon	amed below are respons sible for implementing t	sible for he follov	safe maintenai ving Surveillan	nce and operation of ce Plan and the
SUR	<u>/EILLANE PLAN</u>					
as so and o The l	al inspections will be performed for ttlement, erosion, cracking and e downstream from the toe, will be Dams and Reservoirs Safety Distr e symptoms are found.	earth m monito	ovement. Evidence of some contract of some contract of the con	eepage o se in flo	in the downstri w or movemen	eam slope, at the toe t of soil particles.
EME	RGENCY NOTIFICATION PLAN					
dang offic	e event a major flood or hurrican er from overtopping or if failure ials will be notified and the dam w otect the general public.	appear	s imminent because of o	ither pro	oblems, the foll	owing state and local
1.	South Carolina Highway Patrol					
2.	Local Highway Maintenance Engineer				************	····
3.	Local Police Department, Emergency I town officials	Prepare	dness personnel, and other	county or		
4.	S.C. Department of Health and Environ	nmental	Control, Columbia, SC		5555555	
spac C. Da	tionally, the dam owner or his repeted is provided for the dam owner owner owner owner owner owner owner owner and Reservoirs Safety Act Reson(s) responsible for implementi	or his r egulatio	representative to complons.) veillance Plan and Emero	ete, as th	is is his respo	nsibility under the S.
	NAME:		DATE:		ŢĘ	LEPHONE:

DHEC 2606 (10/08)

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 (919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 (803) 796-6240

William A. Timmons, PE 16-C North Brooks St PO Box 927 Manning, SC (803) 435-2647

Hass & Hildebrand, Inc. 33 Greenville St SW P. O. Box 3276 Aiken, SC 29802 (803)649-1316

H. Grady Adkins, Jr., P.E. Southeast Regional Office Paul C. Rizzo Associates, Inc. 101 Westpark Boulevard, Suite B Columbia, SC 29210 (803) 750-9773 x 12 FAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 10719 Wilson Blvd. Blythewood, SC 29016 (803) 714-9632 Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728 Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean the firm is not qualified to do design work on dams.



South Carolina Department of Health and Environmental Control

December 12, 2013

Valerie Green AMI Kids - White Pines 742 T Bishop Road Jonesville, SC 29353

Re: Inspection of Dam D-2149, White Pines Dam, Union County

Ms. Green:

As you recall, on December 5, 2013, I conducted a routine inspection of the White Pines dam near Jonesville. I am enclosing a copy of my inspection report of the dam. The overall condition of the dam was poor.

As you observed with me, the emergency spillway has become the primary discharge. The traditional outlet pipe discharge could not be located. This condition is likely due to beaver activity. A beaver pond was observed below where the outlet pipe should be located. Additional beaver activity (slides and tree gnawing) was observed of the slopes and crest of the dam. The emergency spillway is not designed to handle continuous flow. The crest of the spillway is completely saturated making vehicle access to the dam more difficult each day. Likewise the spillway channel is becoming scoured and eroding. Lastly, trees were observed on both faces of the dam. Tree roots can become a pathway for water seeping through the dam.

Trees with diameters of less than 6 inches should be removed from both slopes. Remove the beavers, drain the small beaver pond below the dam, stabilize the emergency spillway and open any blockages of the primary outlet pipe.

We do not have an updated copy of your emergency alert notification plan on file. Please complete the notification plan sheets enclosed and return one to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance in doing this.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the Dams and Reservoirs Safety Act Regulations R. 72-4. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties. Contact me when the corrections have been made. If you have any questions, please call me at 864-596-3800.

Sincerely, James West

James West

SC DHEC - Spartanburg EQC Office

John Poole, Bureau of Water – Dam Safety Program Cc: Florence Hall, BEHS Spartanburg – District Engineer



DHEC 2604 (Rev 11/2011)

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 2149 & Hazard Class 2 B. Name of Dam: White Pines C. Inspection Date (215/2023) & Time: 2:30 D. Date of Last Inspection: (1/2/2010) E. Location-County/City: Union I Jonesville F. EQC Regional Office: Spartanburg G. Inspector's Name: H. Owner's Name: AMI Kids - White Pines I. Contact Person (if different from above): Valerie Green, Business Mgr J. Dam Owner's or Contact Person's Phone Numbers: Home (_ _ _) _ _ -Office (864) 674-0458 Other (___)___-K. Dam Owner's or Contact Person's mailing address: Address 1 742 TBishag Rd Address 2 (optional) City Jonesville, State S = Zip Code 29353-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)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? No iv. Erosion noticed on crest? v. Any visible settlement, misalignment or cracks?

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Grass, weeds, bushes, a few trees
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 and trees
ii. Animal activity observed? Beaver slides
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? No drains Found
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure?
ii. Is there an obvious need to repair or replace trash rack? No Frash rack
iii. Any noticeable problems with debris? Pipe opening appears to have been partially chagged by beavers iv. Is valve or gate present?
i. Any water visibly flowing or leaking outside of the discharge pipe? No pipe Found but water must be going thru because of beaver pound ii. Describe any deflection or damage observed to the pipe: Note but outlet
iii. Visible condition of outlet channel: Covered by a beaver pond
i. Noticeable obstructions to flow? Water creating its own
ii. Animal activity observed?
iii. Any noticeable deterioration in the approach or discharge channel? So Causing erosion of the channel iv. Any visible deterioration of structure's crest?
DUEC 2604 (Rev 11/2011)

••	If applicable, any observed exposure of rebar reinforcement?
vi.	If applicable, any visible leakage below concrete spillway?
H. (Downstream/Hazard Class Issues Any noticeable changes immediately downstream of the dam that affects the hazard classification?
I F	mergency 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? Nes 60 180
iii.	Does EAP contain specific actions to take if the dam has failed or is near failure?
Sec	ction IV (Conclusions)
Ge	eneral comments and recommendations:
	The beavers must be removed. Open up the cloged outlet sipe. Bust the beautr dam. Repair and stabilize the Emergen
	11. Charles of the contract of
	the closed outlet sign. Bust the beaun
	dan. Repair and stabilize the Emergen
	Spillway changes.
- 1	(1)
	Janes West
	TO CONTROL OF THE PARTY OF THE
	TO THE STATE OF TH
imi	nary Dam Inspection Disclaimer:
nform	nation contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenant
r rep	air actions to reduce their danger to human life or property only. It is not intended as professional engineering or consu
e ior for s	conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace to ervices provided by registered professional engineers. If your dam is experiencing an unusual situation consult with
eenr	ng professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of
n and	I Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, eith
SS OI	r implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works to based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage
ıs a	hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam esponsible for the safe operations and maintenance of their impoundment structures.
's are	s responsible for the sale operations and maintenance of their impoundingly 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.

DHEC 2604 (Rev. 11/2011)



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: D1 175 & Hazard Class C2 B. Name of Dam: Manning Pond Dam
C. Inspection Date (10/07/20 (5) & Time: 15:45 D. Date of Last Inspection: (06/28/2012)
E. Location-County/City: Spart. Immar F. EQC Regional Office: Spart.
G. Inspector's Name: Mark Carr
H. Owner's Name: Harvey Parwell
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (864) 472-2926
Office ()
Other () K. Dam Owner's or Contact Person's mailing address:
Address 1 6030 New Cut Pd.
Address 2 (optional)
City $\frac{\mathcal{I}_{\sim ma}}{\mathcal{I}_{\sim ma}}$, State $\frac{\mathcal{S}_{\sim}}{\mathcal{I}_{\sim ma}}$ Zip Code $\frac{\mathcal{I}_{\sim ma}}{\mathcal{I}_{\sim ma}}$
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair K c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest i. Vegetation (grass, trees weeds)? Brysh, †cee
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
in Facility method on areat?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?

	regetation (grass, trees weeds)? Brush trees
	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv. I	Erosion observed on upstream slope?
v. S	settlement or cracks visible in slope?
i. \	bwn Stream Slope (egetation (grass, trees weeds)?
ii. /	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv. I	Erosion observed on down stream slope?
v. S	ettlement or cracks visible in slope?
vi.	Toe drains flowing?
. Pr	rate, and any turbidity or color within the flow: imary Spillway
	ny visible deterioration of structure?
	there an obvious need to repair or replace trash rack?
ii. Is	
ii. Is	there an obvious need to repair or replace trash rack?
ii. Is	Any noticeable problems with debris?
ii. Is iii. A iv. I E. O i. A	Any noticeable problems with debris? Solution value or gate present? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack? We have an obvious need to repair or replace trash rack?
ii. Is iii. A iv. I i. A	Any noticeable problems with debris? Solution valve or gate present? Solution valve of gate present of gate present of the discharge pipe? Solution valve deflection or damage observed to the pipe:
ii. Is iii. A iii. A	there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Solve or gate present? Solve or gate present.
ii. Is iii. A iii. A iii. C	there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? Yes utlet Pipe In ywater visibly flowing or leaking outside of the discharge pipe? Pescribe any deflection or damage observed to the pipe: Visible condition of outlet channel: Other (risible condition of outlet channel:
ii. Is iii. A iii. A iii. C iii. C	Any noticeable problems with debris? So valve or gate present? So valve o

. Auxiliary (Emerge v. If applicable, any	observed exposure	of rebar rei	nforcement?		
vi. If applicable, any visible leakage below concrete spillway?					
H. Downstream/Hazard Class Issues					
i. Any noticeable cha	anges immediately o	downstream	of the dam that affec	ts the hazard cla	ssification?
Emergency Action i. Emergency Action	Plan (EAP) Plan provided by o	wner? _	405		
ii. Does EAP contair	ns emergency alert	notification	olan? If so, when was	it last updated?	405-7-19-1
iii. Does EAP contai	n specific actions to	take if the	dam has failed or is no	ear failure?	es
		itions:			
		itions:	- -		
		ntions:	-		
		ntions:			
		itions:	-		
		itions:			
		itions:			
		ntions:			
General comments		itions:			

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)





South Carolina Department of Health and Environmental Control CERTIFIED MAIL

December 17, 2013

Donnie Ray ETAL P.O. Box 278 Jonesville, SC 29353

Re: Inspection of Dam D-2304, Bogan Pond Dam, Union County

Mr. Ray:

On December 12, 2013, SC DHEC conducted a routine inspection of your dam located near Jonesville. The dam is in **poor** condition. I am enclosing a copy of the inspection report of the dam.

There is no trash rack on the primary outlet riser. The outlet pipe is clogged with a basketball. When the outlet pipe cannot function or is overwhelmed, the water is supposed to flow through your emergency spillway pipe. There are several small trees in front of the spillway pipe. More importantly the end of the pipe is virtually completely buried. Open both pipes and install a trash rack. Trees were observed on both faces of the dam. Trees can become a serious problem for dams; including providing a pathway for water seepage through the dike. We recommend removal of all trees less than 6" and monitoring the slope for seepage due to the older trees. Additionally ruts on the dam crest should be filled.

We do not have an up to date copy of your emergency alert notification plan on file. Please complete the enclosed plan and return it. Should this dam experience difficulty the agencies listed on the notification plan could provide assistance.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties. Contact Florence Hall or myself when the corrections have been made. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, Spartanburg EQC – District Engineer



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

Section I (Owner's Infe

Section I (Owner's information)
A. Dam Number: D2304 & Hazard Class Z B. Name of Dam: Bogan Pond
C. Inspection Date (1/2/2013) & Time: 2:30 D. Date of Last Inspection: (12/2012010)
E. Location-County/City: Maior 1 Jonesville F. EQC Regional Office: Spantanburg
G. Inspector's Name: James West
H. Owner's Name: Robert Bogan
I. Contact Person (if different from above): Donnie Ray Etal (trastee)
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 Po Box 278
Address 2 (optional)
City Jonesville . State SC Zip Code 2953
, orace 2 Lip code 1 Wy 3
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest
i. Vegetation (grass, trees weeds)? Grass, weeds, bone - with ruts
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks? Ruts From Vehicles
DHEC 2604 (Rev 11/2011)

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made? NES-Rip rap put in encided areas for stabilization, may have been associated crift iv. Erosion observed on upstream slope? No
v. Settlement or cracks visible in slope?
C. Down Stream Slope i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on down stream slope? Thom 55 pipe Vestlement or cracks visible in slope? West differ to the degressions
are due to all the trees
vi. Toe drains flowing? None Found 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 a fise ii. Is there an obvious need to repair or replace trash rack? There is no TR
iii. Any noticeable problems with debris?
iv. Is valve or gate present?
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?
ii. Describe any deflection or damage observed to the pipe: Salo Fripe Salo Fr
III. Visible condition of outlet channel: channel nearders through
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Yes = back end of emergency
ii. Animal activity observed?
iii. Any noticeable deterioration in the approach or discharge channel? Trees at front iv. Any visible deterioration of structure's crest?
DHEC 2604 (Rev 11/2011)

	nt? NA
vi. If applicable, any visible leakage below concrete spillway?	NA
I. Downstream/Hazard Class Issues	
i. Any noticeable changes immediately downstream of the da	am that affects the hazard classification?
No	
The state of the s	
i. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	but out dated
ii. Does EAP contains emergency alert notification plan? If so	o, when was it last updated? <u>Aug. 1995</u>
iii. Does EAP contain specific actions to take if the dam has t	failed or is near failure?
section IV (Conclusions)	the letter of a least to the
General comments and recommendations:	
The primary outlet	pipe is ~ 10"
Fiber alass when It	& blocked with a
haskethall. This is likely	
strach rack, Remove &	
	he Dall. I wit a trash
rack on the out let pip	F- / / A
Trees covering both slopes	of Thedam, Remove
the smaller frees (26").	Watch for seepage
on the down slope.	
The Emergency Spillway pi	De is 95% clogged
on the outlet end open	
create a channel For:	
From in Front of Pipe.	
le arres	West
minery Dem Inspection Displayers	
minary Dam Inspection Disclaimer: formation contained in the preliminary inspection report is intended a	se an aid to identify those dame that requirei-
repair actions to reduce their danger to human life or property only. It	t is not intended as professional engineering or consult
for conditions or situations present at individual dams. It is not a sul or services provided by registered professional engineers. If your da	bstitute for a detailed inspection, nor does it replace the
ering professionals to find an appropriate remedy. Preliminary inspe	ections conducted by South Carolina Department of
and Environmental Control (the Department) are provided "AS IS" as or implied. Preliminary inspections consist only of a visual but techn	and "as available", without warranties of any kind, eithe
s are based solely on visual observations of the inspector at the time s a hazardous activity and the Department does not assume any res are responsible for the safe operations and maintenance of their imp	of the inspection. Common law holds that the storage of sponsibility or risk for your actions or inactions. Dam
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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.

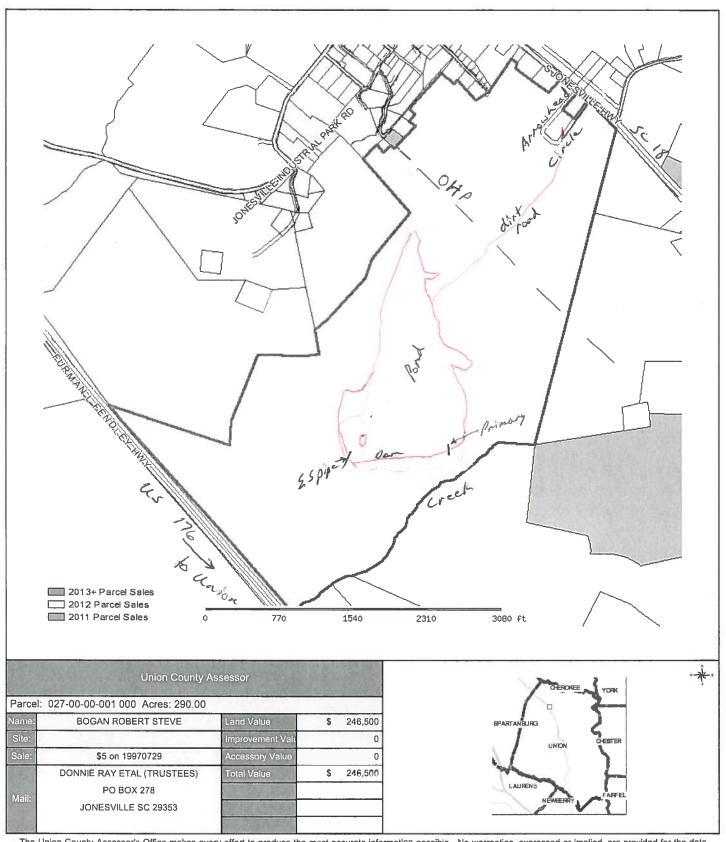
K) Dam Owner's or Contact Person's mailing address; Enter the dam owner's or contact person's mailing address including city state and zip code.

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.

DHEC 2604 (Rev. 11/2011)



The Union County Assessor's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll. PLEASE NOTE THAT THE PROPERTY APPRAISER MAPS ARE FOR ASSESSMENT PURPOSES ONLY NEITHER UNION COUNTY NOR ITS EMPLOYEES A RESPONSIBILITY FOR ERRORS OR OMISSIONS ---THIS IS NOT A SURVEY--Date printed: 12/16/13:11:14:01



South Carolina Department of Health and Environmental Control

January 27, 2014

Elizabeth H. Santiago P. O. Box 207 Fairforest, SC 29336

Re: Inspection of Dam D-2713, Spartanburg County

Dear Mrs. Santiago:

On October 18, 2013, SC DHEC conducted a routine inspection of your dam located near Spartanburg. A follow-up inspection occurred on January 24, 2014. I am grateful you and your husband were able to join me during the inspections. Enclosed is a copy of the inspection report of the dam. The overall condition of the dam is **Fair**.

Trees were noted on the dam. Remove those less than 6 inches in diameter. There is seepage within the outlet pipe and all along the far left toe of the rear slope. The pipe drainage was unexpected due to the way the pipe is supposed to function. It should not receive water unless it goes over the top. During the visit the pond water level appeared to be more than a foot below the top of the 6 inch pipe. Therefore no water should be exiting the pipe.

An attempt on January 24, 2014 to monitor the flow of water through the outlet pipe was unsuccessful. The level of the pond had risen to the top of the pipe and the pipe's discharge was partially submerged. Both the pipe flow and the slope seepage should be monitored in the future for any increase in volume. Also look for any change in color associated the slope drainage.

Thank you for completing the emergency alert notification plan. Should this dam experience difficulty and be endanger of failing, the entities named on the form should be of assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely

James West

SC DHEC Region 2 Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg - Region Engineer



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 2713 & Hazard Class 2 B. Name of Dam: Hughs fon Lond
C. Inspection Date (10/18/20 10) & Time: D. Date of Last Inspection: (1/13/2010)
E. Location-County/City: 57th g 1 Fair Forest F. EQC Regional Office: Spartanbung
G. Inspector's Name: James West
H. Owner's Name: <u>Slizabeth Hughston Santiago</u>
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home (\$64)526 - 3/2/
Office ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 5041 N. Blackstock Rd Sptg 29303
Address 2 (optional) Mail: P.O. Box Zo7
City Fair Forest, State ≤ Zip Code Z9336-
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)?
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)

	Vegetation (grass, trees weeds)? Trees and bushes
	Animal activity observed?
III.	Any obvious alterations or repairs made? No.
iv.	Erosion observed on upstream slope?
	Settlement or cracks visible in slope? One 4' section of settling. Appears to be old and of no significance.
	Vegetation (grass, trees weeds)?
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on down stream slope?
٧.	Settlement or cracks visible in slope?
vi.	Toe drains flowing? No toe drains found
i. <i>F</i>	Any visible deterioration of structure? Sthere an obvious need to repair or replace trash rack?
	ma - L. / Asa.
iii.	Any noticeable problems with debris? None over exposed pipe
	Any noticeable problems with debris? None over exposed pipe Is valve or gate present? None
iv. E. C i. <i>F</i>	Any noticeable problems with debris? None over exposed pipe Is valve or gate present? None Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Thru pipe though pipe rizer is still = 1.5' above w
iv. E. C i. <i>F</i>	Any noticeable problems with debris? None over exposed pipe Is valve or gate present? None Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Wafer Flowing
iv.	Any noticeable problems with debris? None over exposed pipe
iv.	Any noticeable problems with debris? None over exposed pipe Is valve or gate present? None Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Thru pipe though pipe rizer is still > 1.5' above worth thru pipe though pipe rizer is still > 1.5' above worth thru pipe though pipe rizer is still > 1.5' above worth to the pipe: Visible condition of outlet channel: No channel water does not blow sufficiently so as to create a channel
iv. E. C i. /	Any noticeable problems with debris? None over exposed pipe
iv.	Any noticeable problems with debris? None over exposed pipe Is valve or gate present? None Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Whru pipe though pipe rizer is still = 1.5' above were Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: Wolfer flowing Visible condition of outlet channel: No channel water does not explain the pipe: Wisible condition of outlet channel: No channel water does not explain the pipe: Visible condition of outlet channel: No channel water does not explain the pipe: Visible condition of outlet channel: No channel water does not explain the pipe: Visible condition of outlet channel: No channel water does not explain the pipe in th

 F. Auxiliary (Emergency) Spillway v. If applicable, any observed expo 		NA	1
vi. If applicable, any visible leakage	below concrete spillway?	NA	
H. Downstream/Hazard Class Issu i. Any noticeable changes immedia		at affects the hazar	d classification?
. Emergency Action Plan (EAP) i. Emergency Action Plan provided	by owner? <u>Ves</u>		
ii. Does EAP contains emergency a	alert notification plan? If so, wh	en was it last updat	ed? 10/18/13
iii. Does EAP contain specific actio	ns to take if the dam has failed	l or is near failure?	Ves
out of the wood toe operall down	condition. I	pipe / is likely e is se Monitor to eva f it is and an	a crack epage at the pipe lunte
	puro West		

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.

1/24/14 A return visit to monitor the outlet Flow rate was

DHEC 2604 (Rev 11/2011) impossible due to an unexpected rise in the pondlevel.

That day's discharge was supposed to go thru the pipe.

And



DHEC 2607 (11/2012)

Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

Date of Inspection:	_ SC Dam Inventory Number D	County:	- 11 50 -
Dam Name:			
I. <u>Dam Owner Information</u> Has ownership changed?Yes	No (If yes, enter the new owne	rs and their contact	information below)
A. Owner/ Operator (Company or persor	n):		Editor Section
Contact Person (if owner is company)):		
Phone:	Email:		
Mailing Address:		5	
City:	State:		Zip:
. Site Information			
A. Site Location (street address, nearest	t intersection, etc.):		
D is the second suitance of new develop	amont below the dam? Yes	No	
B. Is there any evidence of new develop			
C. Do you think the hazard classification			liint Hannad
D. If yes for item II.C, what is your opinion	on of what the new classification should		
		Class 2 (Significant Hazard)
I. <u>Signature</u> Please print your name, sign, and date of determining the hazard classification was portion of the form.	on the lines below once the inspection a as obtaining from Bureau of Water staff	and form have been on members, they will a	completed. If assistance with Iso need to complete this
	Signatur		Date of Signature
Printed Name of Regional Inspect	or Signatur	e .	Date of Signature
Printed Name of BOW Engineer	Signatur	e	Date of Signature



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

August 18, 2015

Arrowhead Lake Inc. Attn: Henry Thompson 204 Arrowhead Circle Spartanburg SC 29301

Re:

Reinspection of Dam D-2714,

Arrowhead Lake Dam, Spartanburg County

Dear Mr. Thompson:

On May 19, 2015 a routine reinspection of the Arrowhead Lake Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

-The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter. The assessment should also include evaluation and repair of the areas impacted by the large dead trees on the dam.

-The enclosed Emergency Action Plan form should be completed and submitted to this office for our file.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: John Poole, P.E. - Dams and Reservoir Safety, BW



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 2714 & Hazard Clas	B. Name of Dam: Arrowhead Lake Dam
C. Inspection Date (05/19/20 15) & Time	D. Date of Last Inspection: (07 / 17 / 2012 _)
E. Location-County/City: Spartanburg / Spar	rtanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	< 180 () 180
H. Owner's Name: Arrowhead Lake Inc	
I. Contact Person (if different from above):	Henry Thompson
J. Dam Owner's or Contact Person's Phon	e Numbers: Home ()
	Office ()
	Other ()
K. Dam Owner's or Contact Person's maili	ng address:
Address 1 204 Arrowhead Circle	
Address 1 204 Arrowhead Circle Address 2 (optional)	Section IV 1845 3441 reserved to a served light year printing a con-
Manufacture Field Contract Manufacture In	, State SC Zip Code 29301
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair	one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair Section III (Dam Inspection Chec	one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair	one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair Section III (Dam Inspection Chec A. Dam Crest	one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair Section III (Dam Inspection Chec A. Dam Crest i. Vegetation (grass, trees weeds)? Pave	one of the following): c) Poor d) Unsatisfactory e) Not Rated klist)
Address 2 (optional) City Spartanburg Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair Section III (Dam Inspection Chec A. Dam Crest i. Vegetation (grass, trees weeds)? Pave ii. Animal activity observed? No	one of the following): c) Poor d) Unsatisfactory e) Not Rated klist)

	tation (grass, trees weeds)? A lot of brush and trees.
ii. Anim	nal activity observed? No
iii. Any	obvious alterations or repairs made? №
iv. Eros	ion observed on upstream slope? №
v. Settle	ement or cracks visible in slope? No
i. Vege	Stream Slope tation (grass, trees weeds)? Covered with brush and trees.
ii. Anim	al activity observed? No
iii. Any	obvious alterations or repairs made? No
iv. Eros	on observed on down stream slope? No
v. Settle	ement or cracks visible in slope? No
vi. Toe	drains flowing? No toe drains.
HOW Tale	e, and any turbidity or color within the flow:
	ry Spillway sible deterioration of structure? No
i. Any vi	allela determinantion of atmostration
i. Any vi	sible deterioration of structure? No
i. Any vi	re an obvious need to repair or replace trash rack? Probably needs replacing.
i. Any vi ii. Is the iii. Any r iv. Is va	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No No No valve clearly evident.
i. Any vi ii. Is the iii. Any r iv. Is val i. Outlet i. Any w	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No No valve clearly evident.
i. Any vi ii. Is the iii. Any r iv. Is val i. Outlet i. Any w ii. Descr	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No ve or gate present? No valve clearly evident. Pipe ater visibly flowing or leaking outside of the discharge pipe? No
i. Any vi ii. Is the iii. Any r iv. Is val i. Outlet i. Any w ii. Descr iii. Visibl	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No ve or gate present? No valve clearly evident. Pipe atter visibly flowing or leaking outside of the discharge pipe? No ibe any deflection or damage observed to the pipe: OK
i. Any vi ii. Is the iii. Any r iv. Is val ii. Outlet ii. Any w ii. Descr iii. Visibl Auxilia Noticea	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No ve or gate present? No valve clearly evident. Pipe ater visibly flowing or leaking outside of the discharge pipe? No ibe any deflection or damage observed to the pipe: OK e condition of outlet channel: Outlet channel is scoured earth; clay ditch bank seems relatively stable. Outlet channel is scoured earth; clay ditch bank seems relatively stable.
i. Any vi ii. Is the iii. Any r iv. Is val i. Outlet i. Any w ii. Descr iii. Visibl Auxilia i. Noticea i. Anima	re an obvious need to repair or replace trash rack? Probably needs replacing. noticeable problems with debris? No ve or gate present? No valve clearly evident. Pipe atter visibly flowing or leaking outside of the discharge pipe? No ibe any deflection or damage observed to the pipe: ok e condition of outlet channel: Outlet channel is scoured earth; clay ditch bank seems relatively stable. ory (Emergency) Spillway able obstructions to flow? No emergency spillway is evident.

vi. If applicable, any visible leakage bel	low concrete spillway?
vi. ii applicasio, any viciolo loanago sol	con Zabijas militari in structus in the
Downstream/Hazard Class Issues i. Any noticeable changes immediately	downstream of the dam that affects the hazard classification?
. Emergency Action Plan (EAP) i. Emergency Action Plan provided by o	owner? EAP is outdated and needs to be updated.
ii. Does EAP contains emergency alert	notification plan? If so, when was it last updated?
iii. Does EAP contain specific actions t	o take if the dam has failed or is near failure?
General comments and recommend The dam is in overall Fair condition but vegeta	ative growth is out of control and needs to be cleared. Once brush is cleared
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
The dam is in overall Fair condition but vegeta	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.
General comments and recommend The dam is in overall Fair condition but vegets from the dam an assessment should be made	ative growth is out of control and needs to be cleared. Once brush is cleared by an engineer and a plan developed to clear large trees from the dam.

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S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL CONTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

	DAM, D .					County	
AS		OWNER		MANAGER		OPERATOR	(Please Check One)
the		reservoir and a	ıre responsi	ned below are respo ble for implementing			
<u>SUR</u>	<u>VEILLANE PLAN</u>						
as s and The abov	ettlement, erosi downstream fro	ion, cracking ar om the toe, will rvoirs Safety Di e found.	ıd earth mov be monitore	to detect any major vement. Evidence of d to detect any incre eer, Greg Harrington	seepage o ase in flo	in the downstre w or movement	eam slope, at the toe
In the	e event a major jer from overto	flood or hurric pping or if failu ied and the dan	re appears	east, the dam will be in the imminent because of the transfer transfer the transfer transfer the transfer transfer the transfer transfer transfer the transfer	other pro	iblems, the follo	owing state and local
1.	South Carolina Hi						
2.	Local Highway Ma						
3.	Local Police Depa town officials	ertment, Emergen	cy Preparedni	ess personnel, and othe	r county or		
4.	S.C. Department	of Health and Envi	ronmental Co	ntrol, Columbia, SC			
spac C. Da	e is provided fo ams and Reserv	r the dam owns oirs Safety Act	er or his rep Regulations	ive will notify the followers resentative to complet) .) Ilance Plan and Emer	lete, as th	is is his respon	•
	NAN	<u>и</u> Е:		DATE:		TFI	LEPHONE:
			,				
							LEI HOIL.

DHEC 2606 (10/08)

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 [919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 803) 796-6240

William A. Timmons, PE 16-C North Brooks St 20 Box 927 Vanning, SC 803) 435-2647

Hass & Hildebrand, Inc. 13 Greenville St SW 2. O. Box 3276 Aiken, SC 29802 803)649-1316

1. Grady Adkins, Jr., P.E. Southeast Regional Office Paul C. Rizzo Associates, Inc. 01 Westpark Boulevard, Suite B Columbia, SC 29210 803) 750-9773 x 12 PAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 0719 Wilson Blvd. Blythewood, SC 29016 803) 714-9632

ne firm is not qualified to do design work on dams.

Law Engineering & Envir. Svcs 720 Gracem Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728

lote: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The aclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean

Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360





SPARTANBURG EQC OFFICE

South Carolina Department of Health and Environmental Control

October 17, 2013

Mr. & Mrs. Randall Price 175 Margate Circle Chesnee, SC 29323 Mr. Earl W. Blair, Jr. 155 Keeney Lane Chesnee, SC 29323

RE: Inspection of Dam D-2722, Thompson Pond Dam, Spartanburg County

Dear Dam Owners:

On October 15, 2013, I conducted a routine inspection of the Thompson Pond Dam near Chesnee. Overall the dam was rated in **fair** condition. I am enclosing a copy of my inspection report of the dam. The following deficiencies were noted:

- 1. Trees with diameters of less than 6 inches should be removed. Please note that continued tree growth on the dam compromises the integrity of the structure.
- 2. The primary outfall is clogged and submerged. I could not ascertain the reason for the blockage. This pipe failure / blockage prevents proper operation of the pond. This has not led to any severe erosion of the emergency spillway at present but may do so in the future.
- 3. The Emergency Action Plan is out of date and was last signed by Mr. Thompson.

Please complete the enclosed Plan. Return one to us and keep one for your record. Should the dam experience difficulty, the appropriate emergency officials should be notified. The agencies listed in the emergency plan can provide assistance in determining what actions to take for protection of the public health and downstream property.

If you have any questions, please call me at 864-596-3800.

Florence Hall - Spartanburg EHS Region Engineer

Sincerely

S. Turner

S. Burnett

C. Carrett

James West

BEHS Upstate Region - Spartanburg

C. Hall

S. Hammond

R. Mullinax

J. West

Cc: John Poole, Bureau of Water – Dam 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: DZ722 & Hazard Class 2 B. Name of Dam: Thompson Pond
C. Inspection Date (18 115 120 13) & Time: 2 (45 1 D. Date of Last Inspection: (10 129/20 10)
E. Location-County/City: Spartanbud Chesnee F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Mr 1 Krs. Randall Price / Ear/ Blair Jr.
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Price Home (864) 487-2026
Office ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 175 Margate Circle
Address 2 (optional) 155 Keeney Ln
City <u>Chesnee</u> , State <u>SC</u> Zip Code <u>29323</u> -
155 Keency Lane
Chernee, SC 29323
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair v c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest
i. Vegetation (grass, trees weeds)? grass is sufficient
ii. Animal activity observed?
iii. Any obvious alteration or repairs made? \(\lambda_o \)
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

B. U ¡ i. √	regetation (grass, trees weeds)? Mainly grass some shrubs
	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv. F	Erosion observed on upstream slope?
v. S	Settlement or cracks visible in slope?
i. V	own Stream Slope Vegetation (grass, trees weeds)? Grass ut som trees + bushes on Price idea Asian bambon and trees on
ii. A	Animal activity observed? None Seen
iii.	Any obvious alterations or repairs made?
iv. E	Erosion observed on down stream slope? Not on the face of dam
v. S	Settlement or cracks visible in slope?
vi. 7	Toe drains flowing? None Found
ii. Is	Any noticeable problems with debris? Connot see the structure Connot see the structure Unknown Any noticeable problems with debris? Unknown
IV. I	s valve or gate present?
E. O	utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe?
ii. D <i>f</i> iii. \	ny water visibly flowing or leaking outside of the discharge pipe?
F. Au	
F. Au i. No	rescribe any deflection or damage observed to the pipe: Pipe may have separa rom its last section many years ago or else there is a visible condition of outlet channel: Not well defined second partial sections partial sect
i. Ad	Describe any deflection or damage observed to the pipe: Pipe may have separation, its last section many years ago. Or else there is a disible condition of outlet channel: Not well defined sectored particles obstructions to flow? A small burn pile

Downstream/Hazard Class Issues Any noticeable changes immediately downstream of the dam that affects the hazard classification? N Emergency Action Plan (EAP) Emergency Action Plan provided by owner? Plan: the file was for i. Does EAP contains emergency alert notification plan? If so, when was it last updated? NA ii. Does EAP contains specific actions to take if the dam has failed or is near failure? Ma ection IV (Conclusions) General comments and recommendations: Primary outlet structure is no longer visib Its usefulness is greatly headered, less than 5 % flow rate. Never the less the spillway is not being utilized of the north should be completed by both parties. Remove these Si is diameter. Monitor the drain flow and dam seepage.		nergency) Spillway continued any observed exposure of rebar reinforcement?
Emergency Action Plan (EAP) 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 contains specific actions to take if the dam has failed or is near failure? III. Does EAP contains and recommendations: Primary outlet structure is no longer visib Its usefulness is greatly handered, less than 5 % I low rate, Never the less the spillway is not being utilized of the Are Emergency Action Plan should be completed by listh partices. Remove trees = 6" in diameter. Monitor the drain flow and dam seepage.	vi. If applicable	, any visible leakage below concrete spillway?
i. Emergency Action Plan provided by owner? Plan in the file was for the original couner ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? NA iii. Does EAP contain specific actions to take if the dam has failed or is near failure? NA ection IV (Conclusions) General comments and recommendations: Primary outlet structure is no longer visib Its usefulness is greatly headered, less than 5 % of low rate, Never the less the spillway is not being utilized of the An Emergency Action Plan should be completed by both parties. Renow theer < 6" in diameter. Monitor the drain flow and dam seepage.		
General comments and recommendations: Primary outlet structure is no longer visit Its usefulness is greatly hindered, less than 5% flow rate, Never the less the spillway is not being utilized of the. An Emergency Action Plan should be completed by both parties. Remove trees < 6" in diameter. Monitor the drain flow and dam seepage.	i. Emergency A	action Plan provided by owner? Plan in the file was for
General comments and recommendations: Primary outlet structure is no longer visib Its usefulness is greatly hindered, less than 5% flow rate, Never the less the spillway is not being utilized of the. An Emergency Action Plan should be completed by both parties. Remove trees = 6" in diameter. Monitor the drain flow and dam seepage.	iii. Does EAP c	ontain specific actions to take if the dam has failed or is near failure?
An Emergency Action Plan should be completed by both parties. Remove trees < 6" in diameter. Monitor the drain flow and dam seepage.	Primar Its U	soutlet structure is no longer visib
Remove trees < 6" in diameter. Monitor the drain flow and dam seepage.	not be	ag utilized of ten.
Remove trees < 6" in diameter. Monitor the drain flow and dam seepage.	An Em	orgency Action Plan should be completed
	Remo	re trees < 6" in diameter. Monitor the
James West	droin	How and dam seepage.
g ones was	=	15-2-11-
		James Wall

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.



Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

Date of Inspection:	SC Dam Inventory Number D	County:	
am Name:			
Dam Owner Information		8	
Has ownership changed?Yes	No (If yes, enter the new	v owners and their con	tact information below)
A. Owner/ Operator (Company or person	on):		1 4 Car C
Contact Person (if owner is company	/):		
Phone:	Ema	il:	
Mailing Address:			
City:	State:	-	Zip:
	a . 71		
Site Information			
A. Site Location (street address, neares			
A. Site Location (street address, neares	st intersection, etc.):		
B. Is there any evidence of new develop	pment below the dam?Ye	sNo	
C. Do you think the hazard classification	n should be upgraded?Ye	esNo	
D. If yes for item II.C, what is your opinion	on of what the new classification	should be?Clas	s 1 (High Hazard)
		Clas	s 2 (Significant Hazard)
Signature Please print your name, sign, and date of determining the hazard classification was portion of the form.	on the lines below once the inspe as obtaining from Bureau of Wate	ction and form have be r staff members, they v	een completed. If assistance with vill also need to complete this
Printed Name of Regional Inspect	tor Sig	gnature	Date of Signature
Printed Name of BOW Engineer	r Si	gnature	Date of Signature



South Carolina Department of Health and Environmental Control

CERTIFIED MAIL

November 13, 2013

Francis Kirby 237 Genoble Road Greer, SC 29651

Re: Inspection of Dam D-2746, Spartanburg County

Dear Mrs. Kirby:

On December 7, 2010, SC DHEC conducted a routine inspection of your dam located off Genoble Road near Greer. I am enclosing a copy of the inspection report of the dam. The dam received a **poor** rating.

Although the past beaver activity has largely been addressed, the emergency overflow continues to receive a greater discharge than the primary spillway pipe. Apparently something is blocking the primary pipe just as it did in 2010. The emergency spillway was not designed for constant flow. Erosion is occurring in the channel below the spillway.

Weeds and trees were observed on both dam faces. Trees with diameters of less than 6 inches should be removed. Please note that this continued tree growth on the dam compromises the integrity of the structure.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties. Please contact DHEC when the work on the dam is complete.

We do not have a copy of your emergency alert notification plan. A copy of the plan can be provided to us at that time. Should this dam experience difficulty and be endanger of failing, the agencies you list on the notification plan could provide assistance in doing this.

If you have any questions, please call me at 864-596-3800.

Sincerely, James West

James West

SC DHEC Region 2 Spartanburg EQC Office

Cc: John Poole, Bureau of Water – Dam Safety Program
Florence Hall, BEHS Spartanburg EQC – District Engineer



DHEC 2604 (Rev 11/2011)

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 2746 & Hazard Class 2 B. Name of Dam: Francis Kirby Jan C. Inspection Date (10/22/20 13) & Time: 1500 D. Date of Last Inspection: (12/07/2010) E. Location-County/City: Green Spantan burg. EQC Regional Office: Spantan burg. G. Inspector's Name: James West H. Owner's Name: Francis Kirby Contact Person (if different from above):
_____ J. Dam Owner's or Contact Person's Phone Numbers: Home (___) ___--___ Other (___)__--__ K. Dam Owner's or Contact Person's mailing address: Address 1 240 Genoble Rd Section II (Dam Condition) General Condition Assessment (Select one of the following): c) Poor d) Unsatisfactory e) Not Rated a) Satisfactory b) Fair Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? (50 me 5 mail frees) Beaver cruising & dead beaver ii. Animal activity observed? iii. Any obvious alteration or repairs made? iv. Erosion noticed on crest? v. Any visible settlement, misalignment or cracks?

3. U	
	Vegetation (grass, trees weeds)? <u>busles</u> / sm. +rees
ii.	Animal activity observed? Secret Slide
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?X/3
٧.	Settlement or cracks visible in slope?
C. D	Vegetation (grass, trees weeds)? Grass + weeds (including free)
ii.	Animal activity observed? Non-
iii.	Any obvious alterations or repairs made? \(\mathcal{V}_{\mathcal{S}} \)
iv.	Erosion observed on down stream slope?
٧.	Settlement or cracks visible in slope?
vi.	Toe drains flowing? Coeklanot Find
i. <i>F</i>	Primary Spillway Any visible deterioration of structure? Could not locate a rise Dibe
iii.	
iv.	Any noticeable problems with debris?
	Any noticeable problems with debris? Is valve or gate present?
i. /	
i. A	Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe
i. A	Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe? Located - Vegetation is too thick Describe any deflection or damage observed to the pipe:
i. / ii. iii. F. A i. N	Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? (3 as / 0 cc fcd - Vegetation is foo thick Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: Nuxiliary (Emergency) Spillway Noticeable obstructions to flow? Es has became the prima

	group the state of
vi. If applicable,	any visible leakage below concrete spillway?
H. Downstream/l	Hazard Class Issues
i. Any noticeable	changes immediately downstream of the dam that affects the hazard classification?
FROM HE WA	None
I. Emergency Ac	tion Plan (EAR)
	tion Plan (EAP) tion Plan provided by owner?
- 40 -	
ii. Does EAP cor	ntains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP co	ntain specific actions to take if the dam has failed or is near failure?
-	
Section IV (Co	nclusions)
General comme	ents and recommendations:
Contoral Commit	
R.	
Bea	
Bea	
Bea	on short creek distance to Genoble have been removed. One beaven is
Bea pond Road dead	
dead	on short creek distance to Genoble have been removed. One beauer is on top of the dam
dead	on short creek distance to Genoble have been removed. One beauer is on top of the dam
dead	on short creek distance to Genoble have been removed. One beauer is on top of the dam
dead	vers are being managed. Two bever on short creek distance to Genoble have been removed one beaver is an top of the dam t is the primary out let? Vegetation be cut to investigate the back
dead	on short creek distance to Genoble have been removed. One beauer is on top of the dam
dead	vers are being managed. Two bever on short creek distance to Genoble have been removed one beaver is an top of the dam t is the primary out let? Vegetation be cut to investigate the back
dead	vers are being managed. Two bever on short creek distance to Genoble have been removed one beaver is an top of the dam t is the primary out let? Vegetation be cut to investigate the back
dead	vers are being ranged. Two bever on short creek distance to Genoble have been removed. One beaux is an top of the dam t is the primary out let? Vegetating of the dam, of the dam,
dead	vers are being managed. Two bever on short creek distance to Genoble have been removed one beaver is an top of the dam t is the primary out let? Vegetation be cut to investigate the back
dead	vers are being managed. Two bever on short creek distance to Genoble have been removed one beaver is an top of the dam tis the primary out let? Vegetate for cut to investigate the back of the dam.

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Date of Inspection:	SC Dam Inventory Number	DCounty:	
Dam Name:	V V R		
Dam Owner Information		_ 7* = _	
Has ownership changed?Yes	No (If yes, enter the ne	w owners and their contact	information below)
A. Owner/ Operator (Company or person	on):	- Still care	<u> </u>
Contact Person (if owner is company			
Phone:	Em	ail:	
Mailing Address:			
City:	State:		Zip:
A			
II. Site Information			
A. Site Location (street address, neares	et intersection etc.):		
Latitude:°'N Long	gitude:°' W Ta	ax map # (list all):	
B. Is there any evidence of new develo	pment below the dam?Y	'esNo	
C. Do you think the hazard classificatio	on should be upgraded?	/esNo	
D. If yes for item II.C, what is your opin	ion of what the new classification	should be?Class 1	(High Hazard)
		Class 2	(Significant Hazard)
III. Signature Please print your name, sign, and date determining the hazard classification w portion of the form.	on the lines below once the insp as obtaining from Bureau of Wal	pection and form have been er staff members, they will a	completed. If assistance with also need to complete this
Printed Name of Regional Inspec	etor S	ignature	Date of Signature
Printed Name of BOW Enginee	er S	ignature	Date of Signature



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

October 6, 2015

Mr. John Allison, Jr. 400 Robin Lake Rd. Duncan SC 29334

Mr. Stephen Busch 350 Robin Lake Rd. Duncan SC 29334

Re:

Reinspection of Dam D-2747,

Robin Lake Dam, Spartanburg County

Dear Sirs:

On September 8, 2015 a routine reinspection of the Robin Lake Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- -The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter.
- -The enclosed Emergency Action Plan form should be completed and submitted to this office for our file.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Mark Cann, Sr., P.E.
Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW



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 2747 & Hazard Class C2	B. Name of Dam: Robin Lake Dam
C. Inspection Date (09/08/20 15) & Time: 13:45	D. Date of Last Inspection: (11 / 19 / 2012 _)
E. Location-County/City: Spartanburg / Spartanburg	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: John Allison, Jr., Stephen Busch	
I. Contact Person (if different from above): John Allison - 864-87	79-6652
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 John Allison - 400 Robin Lake Rd.	
Address 2 (optional) Stephen Busch - 350 Robin Lake Rd	
City Duncan , State	e <u>SC</u> Zip Code <u>29334</u>
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	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, weeds, brush.	
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? No	
	· · · · · · · · · · · · · · · · · · ·
DHEC 2604 (Rev 11/2011)	

ii. 7	Animal activity observed? No
iii.	Any obvious alterations or repairs made? No
iv. I	Erosion observed on upstream slope? No
v. S	Settlement or cracks visible in slope? No
n ₄	own Stream Slope
	/egetation (grass, trees weeds)? Brush and trees
ii. /	Animal activity observed? No
iii.	Any obvious alterations or repairs made? No
iv. E	Erosion observed on down stream slope? No
v. S	ettlement or cracks visible in slope? No
vi. 7	Foe drains flowing? No toe drains.
	imary Spillway ny visible deterioration of structure? Not visible
ii. Is	there an obvious need to repair or replace trash rack?
iii. <i>F</i>	Any noticeable problems with debris? No
	s valve or gate present? Not visible.
iv. I	s valve or gate present? Not visible.
. O	utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No
i. A	utlet Pipe
i. Aı	utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No
i. Aı	escribe any deflection or damage observed to the pipe: No None
ii. D	escribe any deflection or damage observed to the pipe: No No None Visible condition of outlet channel: OK Exiliary (Emergency) Spillway
i. Anii. Diii. V	escribe any deflection or damage observed to the pipe: None Visible condition of outlet channel: OK Exiliary (Emergency) Spillway Inticeable obstructions to flow? Brush, trees.

v. It applicable, any ob	served exposure of rebar reinforcement?	
vi. If applicable, any vis	sible leakage below concrete spillway?	-
H. Downstream/Hazard i. Any noticeable chang	d Class Issues ges immediately downstream of the dam that affects the hazard classification?	No
. Emergency Action P i. Emergency Action P	lan (EAP) lan provided by owner? No	
ii. Does EAP contains	emergency alert notification plan? If so, when was it last updated?	
iii. Does EAP contain s	specific actions to take if the dam has failed or is near failure?	
General comments a	nd recommendations:	
General comments a		
General comments a	nd recommendations:	
General comments a	nd recommendations:	- 1
General comments a	nd recommendations:	
General comments a	nd recommendations:	
General comments a	nd recommendations:	
	nd 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.

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 (919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 (803) 796-6240

William A. Timmons, PE 16-C North Brooks St PO Box 927 Manning, SC (803) 435-2647

Hass & Hildebrand, Inc. 33 Greenville St SW P. O. Box 3276 Aiken, SC 29802 (803)649-1316

H. Grady Adkins, Jr., P.E. Southeast Regional Office Paul C. Rizzo Associates, Inc. 101 Westpark Boulevard, Suite B Columbia, SC 29210 (803) 750-9773 x 12 FAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 10719 Wilson Blvd. Blythewood, SC 29016 (803) 714-9632 Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728 Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean the firm is not qualified to do design work on dams.

S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL CONTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

	DAM, D .				861	County	
AS	1	DWNER		MANAGER		OPERATOR	(Please Check One)
the	above dam and re	ce dam, the perso eservoir and are r Notification Plan:					nce and operation of ce Plan and the
SUR	VEILLANE PLAN						
as s and The above EME In the dang office	ettlement, erosio downstream fror Dams and Reserv ve symptoms are <u>RGENCY NOTIFICA</u> ne event a major f ger from overtop	n, cracking and ean n the toe, will be m voirs Safety Distric found. TION PLAN Tlood or hurricane ping or if failure a ed and the dam wil	orth movem nonitored to the Engineer is forecast ppears imm	ent. Evidence detect any in Greg Harring the dam will lainent because	of seepage crease in fl ton at 803 be monitor of other p	on the downstro ow or movement -285-7461 will be ed, and if the dan roblems, the follo	e notified if any of the
1.	South Carolina Hig	hway Patrol					
1. 2.	Local Highway Mair	ntenance Engineer	,				
3.	Local Police Depar town officials	tment, Emergency Pr	eparedness (personnel, and o	ther county (or	
4.	S.C. Department of	Health and Environm	ental Contro	l, Columbia, SC			
spac C. Di	e is provided for ams and Reservoi	•	his repres ulations.)	entative to co	mplete, as t	this is his respor	erty owners. (This sibility under the S.
	NAMI	<u> </u>		DATE:		TF	LEPHONE:
	14731411				-		
			<u> </u>				

DHEC 2606 (10/08)



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

August 19, 2015

Willow Creek Golf Course Attn: Kyle Trayhnum 205 Sandy Run Drive Greer SC 29651

Re:

Reinspection of Dam D-2789,

Willow Creek Golf Course Dam, Spartanburg County

Dear Mr. Trayhnum:

On June 26, 2015 a routine reinspection of the Willow Creek Golf Course Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

-The enclosed Emergency Action Plan form should be completed and submitted to this office for our file.

This dam is given an overall Satisfactory assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

Cc: John Poole, P.E. – Dams and Reservoir Safety, BW



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 2789 & Hazard Class C2	B. Name of Dam: Willow Creek Dam
C. Inspection Date (06 / 26 / 20 15) & Time: 1:30	D. Date of Last Inspection: (10 / 22 / 2012 _)
E. Location-County/City: Spartanburg / Woodruff	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	471 - 5
H. Owner's Name: Willow Creek Golf Course	
. Contact Person (if different from above): Kyle Trayhnum	po di Control Commissione
I. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864) 848 - 3458
	Other ()
C. Dam Owner's or Contact Person's mailing address:	
AND THE REST OF THE PROPERTY OF THE PARTY OF	
Address 1 205 Sandy Run Drive	all b
Address 2 (optional)	e <u>SC</u> Zip Code 29651
Address 2 (optional)	e <u>SC</u> Zip Code <u>29651</u>
Address 2 (optional), State City Greer, State Section II (Dam Condition) General Condition Assessment (Select one of the follow) a) Satisfactory	e SC Zip Code 29651
Address 2 (optional), State City Greer, State Section II (Dam Condition) General Condition Assessment (Select one of the following)	e <u>SC</u> Zip Code <u>29651</u>
Address 2 (optional), State City Greer, State Section II (Dam Condition) General Condition Assessment (Select one of the follow) a) Satisfactory	lowing): d) Unsatisfactory e) Not Rated
Address 2 (optional) City Greer , State 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	lowing): d) Unsatisfactory e) Not Rated
Address 2 (optional) City Greer , State 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)? Grass - golf course fairway	lowing): d) Unsatisfactory e) Not Rated
Address 2 (optional) City Greer , State 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)? Grass - golf course fairwant iii. Animal activity observed? Geesa	lowing): d) Unsatisfactory e) Not Rated

	m Slope ion (grass, trees weeds)? Grass and weeds - needs to be mowed.
ii. Animal	activity observed? Geese
iii. Any ob	vious alterations or repairs made? No
iv. Erosior	observed on upstream slope? No
v. Settlem	ent or cracks visible in slope? No
	ream Slope
i. Vegetat	ion (grass, trees weeds)? Grass
ii. Animal	activity observed? Geese
iii. Any ob	vious alterations or repairs made? No
iv. Erosion	observed on down stream slope? No
v. Settlem	ent or cracks visible in slope? No
vi. Toe dra	ins flowing? No toe drains.
. Primary	
i. Any visib	
i. Any visik	Spillway le deterioration of structure? No
i. Any visik ii. Is there iii. Any not	Spillway ele deterioration of structure? No an obvious need to repair or replace trash rack? No
ii. Is there iii. Any not iv. Is valve	Spillway le deterioration of structure? an obvious need to repair or replace trash rack? liceable problems with debris? no or gate present? Yes.
i. Any visib ii. Is there iii. Any not iv. Is valve i. Outlet P i. Any wate	Spillway ble deterioration of structure? An obvious need to repair or replace trash rack? In obvious need to repair or replace trash rack? No In or gate present? Yes.
ii. Is there iii. Any not iv. Is valve i. Outlet P i. Any wate ii. Describe	Spillway ble deterioration of structure? An obvious need to repair or replace trash rack? In our gate present? Yes. Ipe er visibly flowing or leaking outside of the discharge pipe? No
ii. Is there iii. Any not iv. Is valve iv. Is valve i. Outlet P i. Any wate ii. Describe iii. Visible o	Spillway ble deterioration of structure? An obvious need to repair or replace trash rack? An obvious need to repair or replace trash rack? No iceable problems with debris? No or gate present? Yes. ipe ar visibly flowing or leaking outside of the discharge pipe? An obvious need to repair or replace trash rack? No No No iceable problems with debris? No or gate present? Yes.
ii. Is there iii. Any not iv. Is valve iv. Is valve i. Outlet P i. Any wate iii. Describe iii. Visible o Auxiliary Noticeabl	Spillway ble deterioration of structure? An obvious need to repair or replace trash rack? In or gate present? Yes. In or gate present? No Yes. Yes. Yes. Yes. In or gate present? No Yes.
ii. Is there iii. Any not iv. Is valve iv. Is valve ii. Outlet P i. Any wate iii. Describe iii. Visible o . Auxiliary . Noticeabl i. Animal a	Spillway ble deterioration of structure? An obvious need to repair or replace trash rack? An obvious need to repair or replace trash rack? An or gate problems with debris? An or gate present? A

. If applicable, any observed exposu	lie of repai felliloroement:
	alau appareta apillurau?
∕i. If applicable, any visible leakage b	elow concrete spiliway?
l. Downstream/Hazard Class Issues i. Any noticeable changes immediatel	ly downstream of the dam that affects the hazard classification?
Emergency Action Plan (EAP) i. Emergency Action Plan provided by	y owner? Need updated EAP.
ii. Does EAP contains emergency ale	ert notification plan? If so, when was it last updated?
iii. Does EAP contain specific actions	s to take if the dam has failed or is near failure?
Section IV (Conclusions) General comments and recommen	ndations:
General comments and recomments and recomments and recomments and recomments.	ease continue with your current maintenance practices. An updated Emergency
General comments and recommen	ease continue with your current maintenance practices. An updated Emergency
General comments and recomments are recomments and recomments and recomments are recomments and recomments and recomments are recommentable and recomm	ease continue with your current maintenance practices. An updated Emergency
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General comments and recomments and recomments and recomments and recomments.	ease continue with your current maintenance practices. An updated Emergency
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General comments and recomments and recomments and recomments and recomments are sentenced as the comments are sentenced as th	ease continue with your current maintenance practices. An updated Emergency
General comments and recomments and recomments and recomments and recomments.	ease continue with your current maintenance practices. An updated Emergency

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.

S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL JUNTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

	DAM, D .				County	
AS	OWNER		MANAGER		OPERATOR	(Please Check One)
the al	e above reference dam, the pe bove dam and reservoir and a ving Emergency Notification Pl	re respo	•			
<u>SURV</u>	EILLANE PLAN					
as se and d The D above EMERI In the dange officia	I inspections will be performe ttlement, erosion, cracking an ownstream from the toe, will lams and Reservoirs Safety Diesymptoms are found. GENCY NOTIFICATION PLAN event a major flood or hurrical and the dame are the content and the dame and the dame are the content and the dame are the content and the dame are the content and the conten	d earth n be monito strict Eng eane is foo re appear	novement. Evidence of some of some of some of the detect any increase of the detect any increase of the detect and the detect of	eepage ise in flo at 803- ionitore ither pr	on the downstre lw or movement 285-7461 will be d, and if the dan oblems, the follo	eam slope, at the toe t of soil particles. e notified if any of the n appears to be in owing state and local
•	tect the general public.					0
	South Carolina Highway Patrol					
	ocal Highway Maintenance Enginee					
t	ocal Police Department, Emergent own officials		2 0 1	county o		-
. 5	S.C. Department of Health and Envi	ronmental	Control, Columbia, SC			
space C. Dan	onally, the dam owner or his r is provided for the dam owne ns and Reservoirs Safety Act n(s) responsible for implemen	r or his r Regulatio	epresentative to complens.) /eillance Plan and Emerg	ete, as tl	nis is his respon	sibility under the S.
	NAME:		DATE:		TE	LEPHONE:

DHEC 2606 (10/08)



South Carolina Department of Health and Environmental Control

November 4, 2013

Bernard Anthony Alverson ETA 830 Berry Shoals Road Duncan, SC 29334

Re: Inspection of Dam D-3275, Alverson Pond, Spartanburg County

Dear Sirs:

On October 17, 2013, SC DHEC conducted a routine inspection of your dam located near Duncan. I am enclosing a copy of the inspection report of the dam. Overall the dam appears to be in **fair** condition. However, you should remove all trees, brush and debris from the Emergency Spillway. Likewise all vegetation should be removed from around the outlet riser.

Corrections should be performed within ninety (90) days from the receipt of this letter.

Attached is a blank emergency alert notification plan. Please fill it out and return a copy to this office. Should this dam experience difficulty and be in danger of failing, the impacted area downstream would need to be evacuated and downstream roads blocked. The agencies you list on the notification plan could provide assistance in doing this.

If you have any questions, please call me at 864-596-3800.

Sincerely

James West

SC DHEC Upstate Region - Spartanburg EQC Office

from West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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: D3275 & Hazard Class 2 B. Name of Dam: Alverson Pond
C. Inspection Date (10/2/20/3) & Time: 2/30 D. Date of Last Inspection: (_ /_ /)
E. Location-County/City: Direcan/ Spartanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Bernard Anthony Alverson ETA
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers:
Office ()
Other () Other ()
Address 1 830 Berry Shook Ad
Address 2 (optional)
City Duncan, State SC Zip Code 29234
ony
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)?
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest? $\mathcal{N}_{\mathfrak{G}}$
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

ii.	Animal activity observed? Old beaver grassing
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?
٧.	Settlement or cracks visible in slope?
. E	Vegetation (grass, trees weeds)? Trees
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? None Found
. F	Primary Spillway Any visible deterioration of structure?
i. /	Primary Spillway
i. /	Primary Spillway Any visible deterioration of structure? Weeds on pend side of Structure Is there an obvious need to repair or replace trash rack? Conif see top of Ni Zer Any noticeable problems with debris? Could be in the reeds but
i. /	Primary Spillway Any visible deterioration of structure? Weeds on pend side of Structure Is there an obvious need to repair or replace trash rack? Conif see top of
i. /	Primary Spillway Any visible deterioration of structure? Structure Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Could be in the reeds but can't tell.
ii.	Primary Spillway Any visible deterioration of structure? Structure Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Could be in the useds but can it tell. Is valve or gate present? None Seen
i. /	Primary Spillway Any visible deterioration of structure? Structure Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Could be in the useds but can't fell. Is valve or gate present? None Seen Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? None
ii.	Any visible deterioration of structure? Structure Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Loud be in the reeds but can't tell. Is valve or gate present? None Seen Dutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: None
ii.	Any visible deterioration of structure? Structure Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Could be in the reads but can't fell. Is valve or gate present? None Seen Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: Okay Luxiliary (Emergency) Spillway

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforcement? vi. If applicable, any visible leakage below concrete spillway? H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? I. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner? ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? iii. Does EAP contain specific actions to take if the dam has failed or is near failure? Section IV (Conclusions) General comments and recommendations: enone weeds from Emergency spillway and from outlet pipe rizer. Remove rees <6" liameter from both slopes

Preliminary Dam Inspection Disclaimer:

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



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

December 31, 2014

Mr. Alexai Difort 1111 Foster Rd Inman, SC 29349

Mr. Ivan Cholak 1121 Foster Rd Inman, SC 29349

Re: Inspection of McNair Dam D-3306, McNair Dam, Spartanburg County

Dear Sirs:

On December 18, 2014, SC DHEC conducted a routine safety inspection of your dam off Foster Road in Spartanburg County. Overall the dam appears to be in **poor** condition. I am enclosing a copy of the inspection report of the dam.

There were bare sections on the crest of the dam that need to be re-grassed. The original outlet structure could not be located. The auxiliary spillway is the only spillway that we could locate. This spillway empties into a sequence of small ponds. The outlet channel below the third pond shows some scouring erosion. Stabilize this area. Large amounts of trash debris was observed between the second small pond and the backside of the dam. Remove the solid waste from this pile and properly dispose it in a landfill.

Large trees were found on the crest and both slopes. Tree roots are a pathway for water to seep through the dam and can lead to the eventual failure of the structure. Flowing water with large quantities of iron bacteria was observed coming from the toe of the slope. Monitor this discharge for changes in color or volume. If the water begins to carry sediment contact SC DHEC as well as an engineer.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties. Contact SC DHEC when the corrections have been made.

We have no emergency notification plan in our file. Please complete the attached form and return a copy to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

James West

Cc: John Poole, SC DHEC Bureau of Water – Dam 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: D3306 & Hazard Class 2 B. Name of Dam: McNair Dam
C. Inspection Date (14/8/20/4) & Time: 4100 D. Date of Last Inspection: (_ /_ /)
E. Location-County/City: Spartanburg Ironan F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West (Brett Gilreath assisted)
H. Owner's Name: Alexai DiFort / Ivan Cholak
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers:
Office ()
Other () K. Dam Owner's or Contact Person's mailing address:
Address 1 1111 Foster Rd + 1/21 Foster Rd
Address 2 (optional)
City Inman, State SC Zip Code 29349-
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest i. Vegetation (grass, trees weeds)? Grass With Base Spots
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

i. Ve	stream Slope egetation (grass, trees weeds)? Trees (longe & small)
ii. A	nimal activity observed?
iii. P	Any obvious alterations or repairs made? \(\mathcal{N}_{\oldsymbol{o}} \)
iv. E	rosion observed on upstream slope?
v. Se	ettlement or cracks visible in slope?
	egetation (grass, trees weeds)? Trees, weeds + Vixes made Very difficult to see
ii. A	nimal activity observed?
iii. A	ny obvious alterations or repairs made? \mathcal{N}_{δ}
iv. E	rosion observed on down stream slope?
v. Se	ettlement or cracks visible in slope? No - but could not evalu
vi. To	be drains flowing?
	ny seepage observed? If so, describe location, rate, and any turbidity or color within the flow:
Prin	mary Spillway
	wary Spillway y visible deterioration of structure? No pipe Found
i. Any	
i. Any	y visible deterioration of structure? No pipe Found
ii. Is t	there an obvious need to repair or replace trash rack? WA
ii. Is to the iii. Ar iv. Is	there an obvious need to repair or replace trash rack? No pipe Found WA There are obvious need to repair or replace trash rack? NA The problems with debris?
ii. Is to the iii. Ary iv. Is E. Out i. Any	there an obvious need to repair or replace trash rack? No pipe found there an obvious need to repair or replace trash rack? No pipe found The product of the pipe found T
ii. Is to tiii. Ar iv. Is E. Out i. Any ii. De	there an obvious need to repair or replace trash rack? NA In y noticeable problems with debris? Valve or gate present?
ii. Is iii. Ar iii. Ar iv. Is E. Out ii. Any ii. De	there an obvious need to repair or replace trash rack? In y noticeable problems with debris? Italy provided by the problems with debris? Italy provided b
ii. Is iii. Is iii. Ar iii. Ar iv. Is ii. Any ii. De iii. Vis i. Aux i. Noti	there an obvious need to repair or replace trash rack? In noticeable problems with debris? It valve or gate present? It water visibly flowing or leaking outside of the discharge pipe? It water visibly flowing or damage observed to the pipe: It is scribe any deflection or damage observed to the pipe: It is scribe and deflection of outlet channel: It was the small for a flow in the pipe in the
ii. Is to tiii. Arriv. Is E. Out i. Any ii. De iii. Vis i. Noti ii. Ani ii. Ani ii. Ani	there an obvious need to repair or replace trash rack? NA Ty noticeable problems with debris? Valve or gate present? What tet Pipe Water visibly flowing or leaking outside of the discharge pipe? Scribe any deflection or damage observed to the pipe: Sible condition of outlet channel: Last mall part bash Silliary (Emergency) Spillway iceable obstructions to flow?

v. If applicable, any ob	served exposure or repa		70.0	
vi. If applicable, any vi	sible leakage below con	crete spillway?	NA	
H. Downstream/Hazard i. Any noticeable chang	d Class Issues ges immediately downst	ream of the dam th	at affects the haza	rd classification?
i. Emergency Action P	lan (EAP) lan provided by owner?	No		
ii. Does EAP contains	emergency alert notifica	tion plan? If so, wh	en was it last upda	ted?
iii. Does EAP contain s	specific actions to take if	the dam has failed	or is near failure?	
	nd recommendations:	in outle	t change	re/ below
General comments a		in outle	t changes tabilize	rel below red. Wate
General comments a	nd recommendations:	in outle	t chan, stabiliz	rel below ed. Wate
General comments a	nd recommendations:	in outle	t chons stabilize	rel below ed. Wate
General comments a	nd recommendations:	in outle	t chons stabilize	rel below ed. Wate
General comments a	nd recommendations:	in outle	t changes tabilized and the	rel below red. Wate
General comments a	nd recommendations:	note	t changestabilize	rel below ed. Wate
General comments a	nd recommendations:	noutle	t changestabilize	rel below ed. Wate

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



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

COMOTE PROTECT PROSPER
Section I (Owner's Information)
A. Dam Number: D3319 & Hazard Class C2 B. Name of Dam: Gibson Band Dam
C. Inspection Date (DOZ/20 15) & Time: 14:45 D. Date of Last Inspection: (06/28/1012)
E. Location-County/City: Spant, / Imman F. EQC Regional Office: Spant
G. Inspector's Name: MANK CANN
H. Owner's Name:
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
Address 2 (optional)
City, State Zip Code
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest i. Vegetation (grass, trees weeds)?
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)

• •	Vegetation (grass, trees weeds)? <u>weeds, brush, I large free</u>
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?
V.	Settlement or cracks visible in slope?
i.	Vegetation (grass, trees weeds)?
	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? No For disins
	w rate, and any turbidity or color within the flow:
i. /	Primary Spillway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack?
i. / ii.	Any visible deterioration of structure? No visible outlet structure?
i. / ii. iii.	Any noticeable problems with debris?
i. / ii. iv.	Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris?
i. / ii. iv.	Any noticeable problems with debris? Is valve or gate present?
i. / ii. iv. iv.	Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? No outlet pipe
ii. iii. iv. iii. iii.	Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe:
i. / iii. iv. ii. iii.	Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: uxiliary (Emergency) Spillway integers to flow?
i. / iii. iv. ii. / iii. iii.	Any visible deterioration of structure? No visible outlet structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: uxiliary (Emergency) Spillway loticeable obstructions to flow?

Auxiliary (Emo	any observed exposure of rebar reinforcement?
. 16 11 11	till to be been to be a second or selling of
/i. it applicable,	any visible leakage below concrete spillway?
	Hazard Class Issues
i. Any noticeable	changes immediately downstream of the dam that affects the hazard classification?
Emergency As	tion Plan (EAP)
	ction Plan provided by owner?
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated?	
iii. Does EAP co	ntain specific actions to take if the dam has failed or is near failure?
Section IV (Co	onclusions)
	ents and 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 emission in



December 18, 2012

Ken Tuck Spartanburg Water System P.O. Box 251 Spartanburg, SC 29304

Re: Inspection of Dam D-3324, Reservoir #1 Dam, Spartanburg County

Dear Mr. Fuck:

As you are aware on December 12, 2012, SC DHEC conducted a routine inspection of the Spartanburg Water System Reservoir #1 dam in Spartanburg County. Your assistance and that of Mr. Gary Huntley, Drinking Water Treatment Manager, was much appreciated. I am enclosing a copy of the inspection report for the dam.

Overall the condition of the concrete dam is **Satisfactory**. It was noted some superficial resurfacing of sections on the backside of the dam had occurred since the previous inspection in September 2009. As understood, this was done in response to the detection of shallow cracks and voids. A very detailed Emergency Plan was provided during the inspection. Should this dam experience difficulty the agencies listed on the emergency notification plan could provide assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

Cc:

SC DHEC Region 2

Spartanburg EQC Office

John Poole, SC DHEC Bureau of Water – Dam Safety Program

Florence Hall, SC DHEC EQC Spartanburg

Hall All Garrett Soll Carter



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 3324 & Hazard Class 2 B. Name of Dam: Reservoir #1
C. Inspection Date (<u>/Հ1/2/20 /Հ)</u> & Time: <u>/ () Հ/Տ</u> D. Date of Last Inspection: (<u>9//Հ/ 2</u> մաջ)
E. Location-County/City: 50 509 1 57 ton burg F. EQC Regional Office: Sparton burg
G. Inspector's Name: James West
H. Owner's Name: Spartanburg Water District - Ken Tuck Other I. Contact Person (if different from above): Gary Huntley
I. Contact Person (if different from above): Gary Huntley
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Gary Huntley Office (864) 578-2764
Cary Huntley Office (864) 578-2764 Drinking Water Treatment Other (864) 578-7251 K. Dam Owner's or Contact Person's mailing address: Mgr
Address 1 P.O. Box 251
Address 2 (optional) 390 Spartanhurg Water Dorks Rd. Chesnee SC
Address 2 (optional) 390 Spartanhurg Water Works Rd, Chesnee SC City Spartanhung, State SC Zip Code 29309-
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)?
ii. Animal activity observed? \(\lambda \rangle \text{0} \)
iii. Any obvious alteration or repairs made? <u>Rehab</u> パルシック
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHFC 2604 (Rev 11/2011)

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope?
C. Down Stream Slope i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made? Yes - resurfacing of small crucks
iv. Erosion observed on down stream slope?
v. Settlement or cracks visible in slope?
vi. Toe drains flowing?
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack?
iii. Any noticeable problems with debris?
iv. Is valve or gate present? Nuncrous gates
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? **D
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel:
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow?
ii. Animal activity observed?
iii. Any noticeable deterioration in the approach or discharge channel?
iv. Any visible deterioration of structure's crest?
DHEC 2604 (Rev 11/2011)

1.

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforcement?	No
vi. If applicable, any visible leakage below concrete spillway?	Uo
H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the dam that	affects the hazard classification?
I. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	
ii. Does EAP contains emergency alert notification plan? If so, when	was it last updated?
iii. Does EAP contain specific actions to take if the dam has failed o	r is near failure?
Section IV (Conclusions)	
General comments and recommendations:	
Dam built in 1925, 360'L,	15 tainter gates
Dan built in 1925, 360'L, 50' High 777' pool Had a hydro unit from the start.	
Had a higher unit from the start.	Total and the second
	9 %
	<u> </u>
Eliteratura de la Companya de la Com	
reliminary Dam Inspection Disclaimer:	
the information contained in the preliminary inspection report is intended as an aim of repair actions to reduce their danger to human life or property only. It is not individual for conditions or situations present at individual dams. It is not a substitute eed for services provided by registered professional engineers. If your dam is exangineering professionals to find an appropriate remedy. Preliminary inspections of lealth and Environmental Control (the Department) are provided "AS IS" and "as express or implied. Preliminary inspections consist only of a visual but technical exandings are based solely on visual observations of the inspector at the time of the intended in a hazardous activity and the Department does not assume any responsible with the safe operations and maintenance of their impoundments.	ntended as professional engineering or consulting for a detailed inspection, nor does it replace the periencing an unusual situation consult with conducted by South Carolina Department of available", without warranties of any kind, either imination of the dam and its appurtenant works. All spection. Common law holds that the storage of lity or risk for your actions or inactions. Dam

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

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.



South Carolina Department of Health and Environmental Control



October 17, 2013

Chestnut Lake HOA 113 Ridgewood Drive Inman, SC 29349

NUV 0 1 2013

SPARTANBURG EQC OFFICE

Re: Inspection of Dam D-3336, Chestnut Lake Dam, Spartanburg County

Dear Sir or Madam:

On October 14, 2013, SC DHEC conducted a routine inspection of your dam located off John Dodd Road. The dam appears to be in fair condition. There are some seeps near the outfall pipe that must be monitored. I am enclosing a copy of the inspection report of the dam.

We do not have a copy of your emergency alert notification plan on file. Please complete the attached form and return a copy. Keep the original copy. Should this dam experience difficulty and be endanger of failing, the impacted area downstream would need to be evacuated and downstream roads blocked. The agencies listed on the notification plan could provide assistance in doing this.

If you have any questions, please call me at 864-596-3800.

Sincerely

SC DHEC BEHS Upstate Region - Spartanburg

lanes West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg - Region Engineer

> S. Turner S. Burnett C. Carroll

> > S. Hammond

R. Mullinax

J. West

C. Carter M. Cann

3. Garrett

S. Murdock



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: D3336 & Hazard Class 2 B. Name of Dam: Chestaut Lake
C. Inspection Date (201/4/20 27) & Time: 3:45 D. Date of Last Inspection: (1 1)
E. Location-County/City: Inman 1 Spartanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Chestrut Lake HOA
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office ()
Cther () K. Dam Owner's or Contact Person's mailing address:
Address 1 1/3 Ridgewood Orive
Address 2 (optional)
City $\frac{Z_{Aman}}{}$, State $\frac{5}{}$ Zip Code $\frac{29349}{}$
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)?
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

ection III (Dam Inspection Checklist) continued	
. Upstream Slope i. Vegetation (grass, trees weeds)?	L. Literatur
I. Vegetation (grass, association).	
ii. Animal activity observed?	
iii. Any obvious alterations or repairs made? None.	
iv. Erosion observed on upstream slope?	
v. Settlement or cracks visible in slope?	
i. Vegetation (grass, trees weeds)? 9/655 and use	ds
ii. Animal activity observed?	
mado2	
iii. Any obvious alterations of repairs made? iv. Erosion observed on down stream slope? Very - Recommendation of the stream slope? V. Settlement or cracks visible in slope?	Tractor tire marks de
vii. Any seepage observed? If so, describe location, 3 other of flow rate, and any turbidity or color within the flow: of outlet seeps have only a trickle flow. Cotro	
i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack?	
iv. Is valve or gate present?	
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?	Just the above
ii. Describe any deflection or damage observed to the pipe:	NONE
iii. Visible condition of outlet channel:	
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow?	
iii. Any noticeable deterioration in the approach or discharge channel	? No
III. raiy ilouddata day	708
	70.6

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?
N_{δ}
I. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP contain specific actions to take if the dam has failed or is near failure?
Section IV (Conclusions)
General comments and recommendations:
delicitation and recommendation that the first the desire the desired
Re-seed and straw the vare sports are such
Re-seed and straw the bare spots an down slope. Monitor all seeps for changes.
The first of the f
The bulk of the transfer of the second of th
The second of th
James West
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
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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

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.

Regional engineers and inspectors engaged in the dams Who will complete the form: 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

E) Location-County/City; Enter the county and city, if applicable, where the dam is

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.



South Carolina Department of Health and Environmental Control

November 1, 2013

CMT I LLC Allen Collins, Registered Agent 109 Andrew Drive Seneca, SC 29678

Re: Inspection of Dam D-3337, Spartanburg County

Dear Mr. Collins:

On October 23, 2013, SC DHEC conducted a routine inspection of your dam located near Greer. I am enclosing a copy of the inspection report of the dam. The overall condition of the dam is **Fair**.

There is seepage all along the entire right toe of the rear slope. Even where there was no standing water, the ground was very soggy. Monitor this section closely for a worsening condition (ie. change in color or volume). Should significant change occur contact an engineer familiar with dam construction and safe operations. Additionally, stabilize all remaining bare ground.

Attached is a blank emergency alert notification plan. Please fill it out and return a copy to this office. Should this dam experience difficulty and be endanger of failing, the entities named on the form should be of assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely

James West

SC DHEC Region 2 Spartanburg EQC Office

favesWest

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg - Region Engineer



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 3337 & Hazard Class Z	B. Name of Dam: Colling Pond
C. Inspection Date (123/20 (3) & Time: 2 : 3 o	D. Date of Last Inspection: ([2] 2/2/20)
E. Location-County/City: Green 1 Sportan burg	F. EQC Regional Office: Spartanbing
G. Inspector's Name: James West	
H. Owner's Name: CMTILLC	(Per Sptbg Co. GIS)
I. Contact Person (if different from above): Allen C	ollins (Reg. Agent per 5. of5,
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
3	Office ()
	Other ()
K. Dam Owner's or Contact Person's mailing address:	100
Address 1 109 Andrew Or	, , , , , , , , , , , , , , , , , , , ,
Address 2 (optional)	
City <u>Seneca</u> , State_	<u>S</u> ≤ Zip Code <u>29678</u>
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	ing):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest	
i. Vegetation (grass, trees weeds)? 9rass 21	Lare spots
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made? None iv. Erosion noticed on crest?	since out let pipe change
iv. Erosion noticed on crest?	in egg et ion
v. Any visible settlement, misalignment or cracks?	
DHEC 2604 (Rev 11/2011)	
DILO 2007 (NEW 11/2011)	

Section III (Dam Inspection Checklist) continued B. Upstream Slope i. Vegetation (grass, trees weeds)? Grass a few trees and bare sports 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)? Grass and small brush 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? No of rains Found vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? ii. Animal activity observed? iii. Any noticeable deterioration in the approach or discharge channel? iv. Any visible deterioration of structure's crest? No but barely distanguishable

	served exposure of rebar	<u> </u>	SA	
vi. If applicable, any visi	ible leakage below concre	ete spillway?	14	
H. Downstream/Hazard i. Any noticeable change	es immediately downstrea	am of the dam that aff		sification?
i. Emergency Action Pla	an (EAP) an provided by owner?	Nous C	on File	
ii. Does EAP contains e	emergency alert notification	on plan? If so, when wa	as it last updated?	NA
iii. Does EAP contain sp	pecific actions to take if th	e dam has failed or is	near failure?	VA
Contact Constru	for the	£1	closely.	il do
Re-send				
Re-send				
Re-send				
Re-send	J. Comes	West		

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.



Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

Da	ite of Inspection:	SC Dam Inventory Number D	County:	
Da	m Name:		11 0 200, 1	# 12 1 12 2 2
	Dam Owner Information	No (If yes, enter the new own	n	ormation below)
		son):		
		ny):		
		Email:		
		State:		
	City:			
) Pag				
H.	Site Information			
	·	est intersection, etc.):		
	Latitude:°" N Lor	ngitude: - <u> ° </u> " W Tax map) # (list all):	
	C. Do you think the hazard classificat	lopment below the dam?Yes ion should be upgraded?Yes inion of what the new classification shou	No ld be?Class 1 (H	
			Class 2 (S	ignificant Hazard)
III.	Signature Please print your name, sign, and da determining the hazard classification portion of the form. Printed Name of Regional Inspec	te on the lines below once the inspection was obtaining from Bureau of Water states	r members, they will als	ompleted. If assistance with o need to complete this Date of Signature
	Printed Name of BOW Engine	eer Signat	ure	Date of Signature



South Carolina Department of Health and Environmental Control

MEMORANDUM

Spartanburg Dam Safety Program

TO:

John McMakin Pond File

D-3341

FROM:

James West

BEHS - Spartanburg

Dam Safety Program

Date:

May 30, 2014

RE:

Dam Re-inspection McMakin Pond Dam

Class 2

Spartanburg County

On December 11, 2013, a re-inspection of the John McMakin Pond Dam, D-3341, was conducted. The previous inspection on October 21, 2013, noted seepage on the left downstream toe and required a follow-up evaluation by an engineer. The visit was scheduled at the request of the owner, Mr. John McMakin. Mr. McMakin believed the seepage that was observed in October was from a source other than the pond and thus no engineered review would be necessary.

Mr. McMakin has noted the seepage himself over the past 5 decades. He said it has always been there and is not connected to the dam. Some vegetation in the area of the seepage had been cut as required after the October inspection. The reduced vegetation allowed for a better view of the seepage. The seepage does drain along the toe of the dam but originates on the slope adjacent to the left downstream slope.

Since the seepage is not from the pond and the dam does not appear adversely impacted by the drainage along the toe, no further action is necessary. The requirement for the third part engineer review is dropped.



South Carolina Department of Health and Environmental Control

CERTIFIED MAIL

November 22 2013

John McMakin Jr. P.O. Box 243 Lyman, SC 29365

Re: Inspection of Dam D-3341, McMakin Lake, Spartanburg County

Dear Mr. McMakin:

On October 21, 2013, SC DHEC conducted a routine inspection of your dam, located off Holly Springs Road. I am enclosing a copy of the inspection report of the dam.

Overall, the dam appears to be in **poor** condition and has several deficiencies. The downslope side of the dam has numerous large trees and an undulating topography. Trees and their root systems can become a problem for dams over time. If blown over, trees can uproot a large quantity of soil causing significant damage to the structure of the dam. Likewise, the roots can become a pathway for water movement through the dam.

Significant seepage is occurring along the toe of the downslope. This seepage is much worse on the left side of the outlet pipe. Flow rate could not be determined but was sufficient enough to be heard.

You will need to contact a licensed engineer, familiar with dam construction and maintenance, to conduct a detailed inspection pursuant to the requirements of Regulation 72-4, Dams and Reservoirs Safety Act Regulations. Please have the engineer contact the Department regarding the site conditions prior to issuance of the report of the detailed inspection.

Also, we do not have a copy of a current Emergency Notification Plan in the Department file on this dam. Please complete the attached form and return it to us as quickly as possible. Should this dam fail, the agencies listed on the notification plan could provide assistance.

The detailed inspection must be initiated within thirty (30) days of the date of this letter, and the engineer's report filed with the Department within sixty (60) days. A permit application for a permit to conduct repairs and make corrections of deficiencies must accompany the engineer's report. These repairs and corrections are required by R. 72-4, Dams and Reservoirs Safety Act Regulations.

Failure to initiate the detailed inspection and perform necessary repairs and corrections constitute violations of the <u>Dams and Reservoirs Safety Act</u>, S.C. Code Ann § 49-11-150 and § 49-11-170(C) (2008 and Supp. 2012),

as well as the *Dams and Reservoirs Safety Act Regulations*, 9 S.C. Code Ann. Regs. 72-4(C)(3) (2012). Enforcement actions for violations of the <u>Dams and Reservoirs Safety Act</u> and the *Dams and Reservoirs Safety Act Regulations* include, but are not limited to civil actions and financial penalties.

If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Upstate Region - Spartanburg EQC Office

James West

Cc: John Poole, SC DHEC Bureau of Water – Dam Safety Program Florence Hall, SC DHEC BEHS Spartanburg District Engineer



DHEC 2604 (Rev 11/2011)

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 3341 & Hazard Class 2 B. Name of Dam: Mc Makin Pond C. Inspection Date (10/21/20 13) & Time: 2 130 D. Date of Last Inspection: (12/7/2010) E. Location-County/City: Lynan / Spartanhung F. EQC Regional Office: Sportanhung G. Inspector's Name: Tames West H. Owner's Name: John McMakin Jr I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: Home (___)__-Office (___) ___-K. Dam Owner's or Contact Person's mailing address: Address 1 102 Murphy Rd Lyman 5 C 29365 Address 2 (optional) PO Sox 2 43 City Lynan, State SC Zip Code 29365-Section II (Dam Condition) General Condition Assessment (Select one of the following): c) Poor U d) Unsatisfactory e) Not Rated a) Satisfactory b) Fair Section III (Dam Inspection Checklist) A. Dam Crest ii. Animal activity observed? iii. Any obvious alteration or repairs made? iv. Erosion noticed on crest? v. Any visible settlement, misalignment or cracks?

i. vegetation (gra	ess, trees weeds)?
ii. Animal activity	observed? None
iii. Any obvious a	Iterations or repairs made? No
iv. Erosion observ	ved on upstream slope? //c
v. Settlement or co	racks visible in slope?
i. Vegetation (gra	siope ass, trees weeds)? Trees
ii. Animal activity	
iii. Any obvious al	Iterations or repairs made?
iv. Erosion observ	red on down stream slope?
v. Settlement or cr	racks visible in slope? Undulating topography
vi. Toe drains flow	ving? None Found
	leftside is of greater concern.
	rioration of structure? No - changed to a pla ous need to replace trash rack? No
i. Any visible deter	rioration of structure? No - changed to a pla
i. Any visible deter	rioration of structure? No - changed to a pla ous need to repair or replace trash rack? problems with debris? No
ii. Is there an obvious iii. Is there an obvious iii. Any noticeable iv. Is valve or gate i. Any water visibly that	rioration of structure? No - changed to a pla ous need to repair or replace trash rack? problems with debris?
ii. Is there an obvidiii. Any noticeable iv. Is valve or gate iv. Is valve or gate i. Any water visibly Had ii. Describe any de	rioration of structure? No - changed to a pla ous need to repair or replace trash rack? problems with debris? present? Vo flowing or leaking outside of the discharge pipe? Arodres to area of outlef pine
ii. Is there an obvidiii. Any noticeable iv. Is valve or gate iv. Is valve or gate i. Any water visibly Had ii. Describe any de	rioration of structure? No - changed to a pla ous need to repair or replace trash rack? problems with debris? present? y flowing or leaking outside of the discharge pipe? None but se arowns to area of outlet pape effection or damage observed to the pipe: None None May gency) Spillway
ii. Is there an obvidiii. Is there an obvidiii. Any noticeable iv. Is valve or gate iv. Is valve or gate i. Any water visibly that iii. Describe any defiii. Visible conditions. Auxiliary (Emergia Noticeable obstration)	rioration of structure? No - Chonged to a pla ous need to repeir or replace trash rack? problems with debris? No problems with de
ii. Is there an obvidiii. Is there an obvidiii. Any noticeable iv. Is valve or gate iv. Is valve or gate i. Any water visibly that iii. Describe any defiii. Visible condition iii. Visible condition iii. Noticeable obstratii. Animal activity of	rioration of structure? No - Chonged to a pla ous need to repeir or replace trash rack? problems with debris? No problems with de

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? was signed ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? iii. Does EAP contain specific actions to take if the dam has failed or is near failure? Section IV (Conclusions) General comments and recommendations:

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.



Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

ate of Inspection:	30 Dam inventory realiser b_	County:	
am Name:			
Day Come Information		W.	
Dam Owner Information Has ownership changed?	resNo (If yes, enter the new of	wners and their contac	t information below)
•			
	person):		
•	npany):		
Phone:	Email:		
Mailing Address:			
City:	State:		Zip:
,			
Site Information			
	earest intersection, etc.):		
Latitude:°" N	Longitude:°' W Tax n	nap # (list all):	
Latitude:°" N	Longitude:°' W Tax n	nap # (list all):	F =
	Longitude:°' W Tax n		
B. Is there any evidence of new de		No	
B. Is there any evidence of new de	evelopment below the dam?Yes	No	
B. Is there any evidence of new de	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification sh	NoNo ould be?Class 1	(High Hazard)
B. Is there any evidence of new de	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification sh	No	(High Hazard)
B. Is there any evidence of new de C. Do you think the hazard classifie D. If yes for item II.C, what is your . Signature Please print your name, sign, and	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification sh	NoNo ould be?Class 1Class 2 ion and form have been	(High Hazard) ? (Significant Hazard)
B. Is there any evidence of new de C. Do you think the hazard classific D. If yes for item II.C, what is your Signature Please print your name, sign, and determining the hazard classification	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification should be upgraded?Yes	NoNo ould be?Class 1Class 2 ion and form have been	(High Hazard) ? (Significant Hazard)
B. Is there any evidence of new de C. Do you think the hazard classific D. If yes for item II.C, what is your Signature Please print your name, sign, and determining the hazard classification portion of the form.	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded.	NoNo ould be?Class 1Class 2 ion and form have been taff members, they will	(High Hazard) 2 (Significant Hazard) 1 completed. If assistance was need to complete this
B. Is there any evidence of new de C. Do you think the hazard classific D. If yes for item II.C, what is your Signature Please print your name, sign, and determining the hazard classification	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded.	NoNo ould be?Class 1Class 2 ion and form have been	(High Hazard) ? (Significant Hazard)
B. Is there any evidence of new de C. Do you think the hazard classific D. If yes for item II.C, what is your Signature Please print your name, sign, and determining the hazard classification portion of the form.	evelopment below the dam?Yes cation should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded?Yes opinion of what the new classification should be upgraded.	NoNo ould be?Class 1Class 2 ion and form have been taff members, they will	(High Hazard) 2 (Significant Hazard) 1 completed. If assistance was need to complete this





NOV 0 1 2013

SPARTANBURG EQC OFFICE

South Carolina Department of Health and Environmental Control

October 17, 2013

Mr. Satpal Rathie 113 York Hill Drive Cary, NC 27513

Re: Inspection of Dam D-3342, Startex Mill Dam, Spartanburg County

Dear Mr. Rathie:

On October 14, 2013, SC DHEC conducted a routine inspection of your dam located in Startex. The dam appears to be in **good** condition. I am enclosing a copy of the inspection report of the dam.

We do not have a copy of your emergency alert notification plan on file. Should this dam experience difficulty and be endanger of failing, the impacted area downstream would need to be evacuated and downstream roads blocked. The agencies listed on the notification plan could provide assistance in doing this.

If you have any questions, please call me at 864-596-3800.

Sincerely lanes West

James West

SC DHEC BEHS Upstate Region - Spartanburg

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – Region Engineer

S. Turner
S. Burnett
C. Carroll
F. Hall
S. Hammond
R. Mullinax
J. West

C. Carter
M. Cann
S. Garrett
J. Hall
K. Lancaster
S. Murdock



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

COMOTE PROTECT PROSPER
Section I (Owner's Information)
A. Dam Number: D3342 & Hazard Class 2 B. Name of Dam: Startex Mill Dam
C. Inspection Date (20/2/20/3) & Time: //4,5 D. Date of Last Inspection: (_ /_ /)
E. Location-County/City: Startex Spartanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Sat pal Rathie
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers:
Office ()
Other () K. Dam Owner's or Contact Person's mailing address:
Address 1 1/3 York HYU Drive
Address 2 (optional)
City Cary , State NC Zip Code 27523-
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)? <u>old mill stone</u> dam
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

OUALI III	(Dam Inspection Checklist) continued
	on (grass, trees weeds)?
	ctivity observed?
	ious alterations or repairs made?
	observed on upstream slope?
. Settleme	nt or cracks visible in slope?
Vegetation	ream Slope on (grass, trees weeds)?54 o ne
	activity observed?
	vious alterations or repairs made? & c
	observed on down stream slope?
	ent or cracks visible in slope?
/i. Toe dra	ins flowing?
	epage observed? If so, describe location, wes - several seeps that and any turbidity or color within the flow:
, Prilliary	**************************************
	ole deterioration of structure?
	ole deterioration of structure?
ii. Is there iii. Any no	an obvious need to repair or replace trash rack? NA ticeable problems with debris?
ii. Is there iii. Any no	an obvious need to repair or replace trash rack?
ii. Is there iii. Any no iv. Is valve	an obvious need to repair or replace trash rack? NA ticeable problems with debris? E or gate present? Cates are the primary structory.
ii. Is there iii. Any no iv. Is valve E. Outlet I i. Any wat	an obvious need to repair or replace trash rack? NA ticeable problems with debris? or gate present? Cates are the primary struct.
ii. Is there iii. Any no iv. Is valve E. Outlet I i. Any wat	an obvious need to repair or replace trash rack? ticeable problems with debris? e or gate present? Cates are the primary struct. Pipe ter visibly flowing or leaking outside of the discharge pipe?
ii. Is there iii. Any no iv. Is valve E. Outlet I i. Any wat ii. Describ	an obvious need to repair or replace trash rack? ticeable problems with debris? e or gate present? Cates are the primary struct. Pipe ter visibly flowing or leaking outside of the discharge pipe? De any deflection or damage observed to the pipe: NA
ii. Is there iii. Any no iv. Is valve i. Outlet i i. Any wat ii. Describ iii. Visible iii. Noticea	an obvious need to repair or replace trash rack? In an obvious need to repair or replace trash rack? It iceable problems with debris? It is or gate present? If a tes are the primary of truct. If it is one and it is one to the discharge pipe? If it is one any deflection or damage observed to the pipe: If it is one any deflection or damage observed to the pipe: If it is one to the pipe is one to the pipe is one any deflection or damage observed to the pipe: If it is one to the pipe is one to the
ii. Is there iii. Any no iv. Is valve iv. Is valve ii. Outlet ii. Any wat ii. Describ iii. Visible iii. Noticea ii. Animal	an obvious need to repair or replace trash rack? It it is a problems with debris? Be or gate present? Cates are the primary structory Pipe ter visibly flowing or leaking outside of the discharge pipe? De any deflection or damage observed to the pipe: De condition of outlet channel: De (Emergency) Spillway ble obstructions to flow? No - over top of damage.
ii. Is there iii. Any no iv. Is valve iv. Is valve ii. Outlet I ii. Any wat iii. Visible iii. Visible iii. Noticea iii. Any no	an obvious need to repair or replace trash rack? an obvious need to repair or replace trash rack? be or gate present? Cates are the primary of ruch cor gate present? Cates are the primary of ruch be any deflection or damage observed to the pipe: condition of outlet channel: y (Emergency) Spillway ble obstructions to flow? NO Cover top of dam activity observed?

. If applicable, any observed exposure of rebar reinforcement?	
i. If applicable, any visible leakage below concrete spillway?	
Downstream/Hazard Class Issues Any noticeable changes immediately downstream of the dam that affects	
No	
Emergency Action Plan (EAP) Emergency Action Plan provided by owner?	
. Does EAP contains emergency alert notification plan? If so, when was i / १९५ i. Does EAP contain specific actions to take if the dam has failed or is ne	t last updated?
i. Does EAP contain specific actions to take if the dam has failed or is ne	ar failure?
Seneral comments and recommendations:	
Seneral comments and recommendations:	
General comments and recommendations:	
Seneral comments and recommendations:	
Seneral comments and 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.

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

INSTRUCTIONS

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 Purpose: through R. 72-9.

Regional engineers and inspectors engaged in the dams Who will complete the form: 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.



South Carolina Department of Health and Environmental Control

November 13, 2013

Dobbie Ltd Partnership 12 Woodland Way Circle Greenville, SC 29601

Re: Inspection of Dam D-3343, Dobson Pond Dam, Spartanburg County

Dear Sirs:

On October 22, 2013, SC DHEC conducted a routine inspection of your dam located Genoble Road near Greer. The dam appears to be in **fair** condition. I am enclosing a copy of the inspection report of the dam.

Please note, no primary spillway pipe could be located and the pond appears to be no more than half full. Since water is going to the outfall in the Francis Kirby Pond, this would indicate the pipe is likely broken.

We do not have a copy of your emergency alert notification plan (EAP) on file. Please complete the attached EAP and return to us a copy. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely

Lames West

SC DHEC Region 2 Spartanburg EQC Office

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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

R.72-1 through R.72-9

Section I (Owner's Information)	- TIO - 100 - 100 -
A. Dam Number: D 3343 & Hazard Class 2	B. Name of Dam: <u>Dobson Pond</u>
C. Inspection Date (10/22/20 /3) & Time: 1600	D. Date of Last Inspection: (12/16/2010)
E. Location-County/City: Green 1 Spartanburg	F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West	
H. Owner's Name: Dobbie Limite	a Partnership
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 /2 Woodland Way	Cinclo
Address 2 (optional)	A Marketin
	Zip Code 29 60(
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	ng):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest	
i. Vegetation (grass, trees weeds)?	Trees
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made?	
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	0
DUEC 2004 (Day 44/2044)	F
DHEC 2604 (Rev 11/2011)	

3. Upstream Slope	
i. Vegetation (grass, trees	s weeds)? Trees
ii. Animal activity observe	d? None
iii. Any obvious alteration	s or repairs made?
iv. Erosion observed on u	pstream slope?
v. Settlement or cracks vis	sible in slope?
. Down Stream Slope	
i. Vegetation (grass, trees	s weeds)? Trees
ii. Animal activity observe	d? None
iii. Any obvious alteration	s or repairs made?
iv. Erosion observed on de	own stream slope? Yes - where frees have togo
v. Settlement or cracks vis	sible in slope?
vi. Toe drains flowing? _	None Found
··ii Any seenage cheenses	1? If so, describe location,
. Primary Spillway i. Any visible deterioration	of structure? Structure in pond no
i. Any visible deterioration	of structure? Structure in pond no Seen d to repair or replace trash rack?
i. Any visible deterioration ii. Is there an obvious nee	d to repair or replace trash rack?
ii. Any visible deterioration iii. Is there an obvious nee iiii. Any noticeable problem	d to repair or replace trash rack? ns with debris?
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen	d to repair or replace trash rack? ns with debris?
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen C. Outlet Pipe	d to repair or replace trash rack? It? It or leaking outside of the discharge pipe? Out 1-t pipe
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen iv. Outlet Pipe i. Any water visibly flowing	d to repair or replace trash rack? Ins with debris?
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen i. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection	d to repair or replace trash rack? Ins with debris? It? I or leaking outside of the discharge pipe? In the Francis Kirby Pond or damage observed to the pipe: Nome
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen i. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection	d to repair or replace trash rack? Ins with debris? It? I or leaking outside of the discharge pipe? In the Francis Kirby Pond or damage observed to the pipe: Nome
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen iv. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection iii. Visible condition of outl Auxiliary (Emergency)	d to repair or replace trash rack? Ins with debris? It? I or leaking outside of the discharge pipe? In the Francis Kirby Fond or damage observed to the pipe: Wome Spillway
i. Any visible deterioration ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen iv. Outlet Pipe i. Any water visibly flowing iii. Describe any deflection iii. Visible condition of outl iii. Auxiliary (Emergency) of the condition of outline is a	d to repair or replace trash rack? It? It? It or leaking outside of the discharge pipe? In the Francis Kirby Pond or damage observed to the pipe: Wome Spillway To flow? None Found
ii. Is there an obvious nee iii. Any noticeable problem iv. Is valve or gate presen iv. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection iii. Visible condition of outl iii. Auxiliary (Emergency) of the condition of outlies. Noticeable obstructions of the condition of outlies. Auxiliary (Emergency) of the condition of outlies. Auxiliary (Emergency) of the condition of outlies. Auxiliary (Emergency) of the condition of outlies o	d to repair or replace trash rack? It? It? It or leaking outside of the discharge pipe? In the Francis Kirby Pond or damage observed to the pipe: Wome Spillway To flow? None Found

v. If applicable, any observed exposure of rebar reinforcement?		
vi. If a	applicable, any visible leakage below concrete spillway?	
	wnstream/Hazard Class Issues	- 3
i. Any	noticeable changes immediately downstream of the dam that affects the hazard classification?	
. Eme	rgency Action Plan (EAP)	
	ergency Action Plan provided by owner?	
ii. Do	es EAP contains emergency alert notification plan? If so, when was it last updated?	1 1
iii. Do	pes EAP contain specific actions to take if the dam has failed or is near failure?	
th	the out let pipe is discharging. This indicates the primary outlet pipe is broken. The rating is FATR only because lack of water prevents any impacts below. Huge trees on both sides of the and top the dom will be Further compromise	ye ius hon phe
	James West	

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.



Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

ate of Inspection: SC Dar	m Inventory Number D	County:	
am Name:			
Dam Owner Information Has ownership changed?YesN	No (if yes, enter the new owner	s and their contact	
A. Owner/ Operator (Company or person):			
Contact Person (if owner is company):			
Phone:			
Mailing Address:			
City:	State:	•	Zip:
Site Information			
A. Site Location (street address, nearest intersect	tion, etc.):	30 to	
Latitude:°" N Longitude:	°" W Tax map #	(list all):	
 B. Is there any evidence of new development below C. Do you think the hazard classification should be D. If yes for item II.C, what is your opinion of what 	oe upgraded?Yes	No	High Hazard)
		Class 2 (Significant Hazard)
Signature Please print your name, sign, and date on the line determining the hazard classification was obtaining portion of the form.	es below once the inspection and from Bureau of Water staff n	nd form have been onembers, they will a	completed. If assistance wit Iso need to complete this
Printed Name of Regional Inspector	Signature		Date of Signature



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

August 18, 2015

Max Thompson PO Box 451 Piedmont SC 29673

Re:

Reinspection of Dam D-3346,

Silver Lake Dam, Spartanburg County

Dear Mr. Thompson:

On April 28, 2015 a routine reinspection of the Silver Lake Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- -The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter. The assessment should also include evaluation and repair of the areas impacted by the large dead trees on the dam.
- -The trash rack at the outlet spillway should be cleared of debris and trash.

This dam is given an overall Poor assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely.

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: John Poole, P.E. – Dams and Reservoir Safety, BW

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 (919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 (803) 796-6240

William A. Timmons, PE 16-C North Brooks St PO Box 927 Manning, SC (803) 435-2647

Hass & Hildebrand, Inc. 33 Greenville St SW P. O. Box 3276 Aiken, SC 29802 (803)649-1316

H. Grady Adkins, Jr., P.E. Southeast Regional Office Paul C. Rizzo Associates, Inc. 101 Westpark Boulevard, Suite B Columbia, SC 29210 (803) 750-9773 x 12 FAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 10719 Wilson Blvd. Blythewood, SC 29016 (803) 714-9632

the firm is not qualified to do design work on dams.

Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean

Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360



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 3346 & Hazard Class c2	B. Name of Dam: Silver Lake Dam
C. Inspection Date (04/28/20 15) & Time: 12:15	D. Date of Last Inspection: (10 / 31 / 2012 _)
E. Location-County/City: Spartanburg / Reidville	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Max Thompson	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
V. D. C. J. C. J. D. Walder and decree	Other (864) 230 - 4373
K. Dam Owner's or Contact Person's mailing address:	
Address 1 PO Box 451	
Address 2 (optional)	The second secon
City Pledmont , Stat	e <u>SC</u> Zip Code <u>29673</u>
Section II (Dam Condition)	
General Condition Assessment (Select one of the foll	lowing):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest	
i. Vegetation (grass, trees weeds)? Overgrown with brush and	d large trees
ii. Animal activity observed? No	and the property of the second
iii. Any obvious alteration or repairs made? No	
iv. Erosion noticed on crest? №	
v. Any visible settlement, misalignment or cracks? No	
DHEC 2604 (Rev 11/2011)	e undrest and Jerus e

i. Vege	
ii Anim	al activity observed? No
II. AIIII	all activity observed:
iii. Any	obvious alterations or repairs made? No
iv. Eros	ion observed on upstream slope? №
v. Settle	ement or cracks visible in slope? No
	Stream Slope
i. Vege	tation (grass, trees weeds)? Overgrown with brush and large trees.
ii. Anim	al activity observed? No
iii Anv	obvious alterations or repairs made? No
III. Any	Obvious alterations of repairs made:
iv. Eros	ion observed on down stream slope? No
v. Settle	ement or cracks visible in slope? One area near South end of the dam.
	ducing flavoire 2
vi. Toe	drains flowing? No toe drains.
	ry Spillway sible deterioration of structure?
i. Any v	ry Spillway
i. Any v ii. Is the	ry Spillway isible deterioration of structure? No
i. Any v ii. Is the	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure.
i. Any v ii. Is the	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No
i. Any v ii. Is the iii. Any iv. Is va	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes
i. Any v ii. Is the iii. Any iv. Is va	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes
i. Any v ii. Is the iii. Any iv. Is va i. Outle i. Any v	ry Spillway sible deterioration of structure? No re an obvious need to repair or replace trash rack? No roticeable problems with debris? Yes - need to clear debris from the outlet spillway structure.
i. Any v ii. Is the iii. Any iv. Is va i. Outle i. Any v	re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes Yes No No pipe discharge
i. Any v ii. Is the iii. Any iv. Is va i. Outle i. Any v ii. Desc	re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes Yes No No pipe discharge
ii. Is the iii. Is the iii. Any iv. Is va iv. Is va ii. Outle i. Any w ii. Desc iii. Visib	ry Spillway sible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes Telpe rater visibly flowing or leaking outside of the discharge pipe? No pipe discharge ribe any deflection or damage observed to the pipe: le condition of outlet channel:
ii. Is the iii. Is the iii. Any iv. Is va i. Outle i. Any w ii. Desc iii. Visib	ry Spillway sible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes t Pipe rater visibly flowing or leaking outside of the discharge pipe? No pipe discharge ribe any deflection or damage observed to the pipe:
ii. Is the iii. Is the iii. Any iv. Is va iv. Is va ii. Outle i. Any w iii. Desc iii. Visib i. Auxili i. Notice	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes t Pipe rater visibly flowing or leaking outside of the discharge pipe? No pipe discharge ribe any deflection or damage observed to the pipe: le condition of outlet channel: ary (Emergency) Spillway able obstructions to flow? No
ii. Is the iii. Is the iii. Any iv. Is va iv. Is va ii. Outle i. Any w iii. Desc iii. Visib i. Auxili i. Notice	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes t Pipe Tater visibly flowing or leaking outside of the discharge pipe? No pipe discharge ribe any deflection or damage observed to the pipe: Ile condition of outlet channel: Tary (Emergency) Spillway
i. Any v ii. Is the iii. Any iv. Is va i. Outle i. Any v ii. Desc iii. Visib i. Notice ii. Anima	ry Spillway isible deterioration of structure? No re an obvious need to repair or replace trash rack? No noticeable problems with debris? Yes - need to clear debris from the outlet spillway structure. Ive or gate present? Yes t Pipe rater visibly flowing or leaking outside of the discharge pipe? No pipe discharge ribe any deflection or damage observed to the pipe: le condition of outlet channel: ary (Emergency) Spillway able obstructions to flow? No

v. If applicable, ar	ny observed exposure of rebar reinforcement?
vi. If applicable, a	ny visible leakage below concrete spillway?
	azard Class Issues changes immediately downstream of the dam that affects the hazard classification?
I. Emergency Acti i. Emergency Act	on Plan (EAP) ion Plan provided by owner? No. Requested in previous inspection but not supplied.
ii. Does EAP conf	ains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP con	tain specific actions to take if the dam has failed or is near failure?
General comme	nts and recommendations:
This dam is in overall	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these larg
General commental This dam is in overall trees have died with the	nts and recommendations:
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with
General commental This dam is in overall trees have died with the	nts and recommendations: Poor condition with many large trees growing in and on the dam. A significant number of these largunknown effect on the dam integrity. The dam needs to be evaluated by an engineer familiar with

Preliminary Dam Inspection Disclaimer:

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W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

May 27, 2015

Pam Bishop Twin Lakes 162 Lakeland Ct Moore SC 29369

Re:

cc:

Reinspection of Dam D-3347

Twin Lakes Dam, Spartanburg County

Dear Ms. Bishop:

On April 28, 2015, I conducted a routine reinspection of the Twin Lakes Dam.

I am enclosing a copy of my inspection report on the dam. Overall, the dam appears to be in good condition. You should continue your current maintenance program.

A copy of the Emergency Notification Plan is in our file. Should the dam experience difficulty, the appropriate emergency officials should be notified. The agencies listed on the plan can provide assistance in determining what actions to take for protection of the public health and downstream property.

Please give me a call (864-596-3800) if you have any questions.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC

John Poole, P.E. – Dams and Reservoir Safety, BW



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

MOTE PROTECT PROSPER	
Section I (Owner's Information)	
A. Dam Number: D <u>3347</u> & Hazard Class <u>c2</u>	B. Name of Dam: Twin Lakes Dam - Upper
C. Inspection Date (04/28/20.15) & Time: 14:15	D. Date of Last Inspection: (10 /17 /2012)
E. Location-County/City: Spartanburg / Reidville	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	1
H. Owner's Name: Twin Lakes Club of Spartanburg	
I. Contact Person (if different from above): Pam Bisho	op
J. Dam Owner's or Contact Person's Phone Numb	pers: Home (864_) 576 2408_
	Office ()
K. Dam Owner's or Contact Person's mailing addr	Other () ess:
Address 1 162 Lakelands Ct	
Address 1 162 Lakelands Ct Address 2 (optional)	
	State <u>SC</u> Zip Code <u>29369</u>
Address 2 (optional)	State SC Zip Code 29369
Address 2 (optional) City Moore Section II (Dam Condition) General Condition Assessment (Select one of t	State SC Zip Code 29369
Address 2 (optional) City Moore Section II (Dam Condition) General Condition Assessment (Select one of to a) Satisfactory b) Fair c) Poor	State SC Zip Code 29369 the following): or d) Unsatisfactory e) Not Rated
Address 2 (optional) City Moore Section II (Dam Condition) General Condition Assessment (Select one of to a) Satisfactory b) Fair c) Pool Section III (Dam Inspection Checklist) A. Dam Crest	State SC Zip Code 29369 the following): or d) Unsatisfactory e) Not Rated
Address 2 (optional) City Moore Section II (Dam Condition) General Condition Assessment (Select one of tale a) Satisfactory b) Fair c) Poole Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Paved - condition	State SC Zip Code 29369 the following): or d) Unsatisfactory e) Not Rated
Address 2 (optional) City Moore Section II (Dam Condition) General Condition Assessment (Select one of to a) Satisfactory b) Fair c) Poole Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Paved - condition ii. Animal activity observed? No	State SC Zip Code 29369 the following): or d) Unsatisfactory e) Not Rated

1. VE	getation (grass, trees weeds)? Grassed with rip-rap at water line.
ii. An	imal activity observed? No
iii. Ar	ny obvious alterations or repairs made? No
iv. Er	osion observed on upstream slope? No
v. Se	tlement or cracks visible in slope? No
	getation (grass, trees weeds)? Grassed - condition OK.
ii. An	imal activity observed? No
iii. Ar	ny obvious alterations or repairs made? No
iv. Er	osion observed on down stream slope? No
v. Set	tlement or cracks visible in slope? No
vi. To	e drains flowing? No toe drains.
flow r	ny seepage observed? If so, describe location, ate, and any turbidity or color within the flow:
). Prin i. Any	nary Spillway visible deterioration of structure? No No
i. Any	nary Spillway visible deterioration of structure? No No No No
i. Any ii. Is ti iii. An	nary Spillway visible deterioration of structure? No nere an obvious need to repair or replace trash rack? y noticeable problems with debris? No
i. Any ii. Is ti iii. An	nary Spillway visible deterioration of structure? No No No No
i. Any ii. Is the iii. An iv. Is verice.	nary Spillway visible deterioration of structure? No nere an obvious need to repair or replace trash rack? y noticeable problems with debris? No
i. Is the iii. Any iii. An iv. Is verice. Out ii. Any	nary Spillway visible deterioration of structure? No No visible problems with debris? Valve or gate present? Not visible Not visible
i. Any ii. Is the iii. An iv. Is viii. Any iii. Des	nary Spillway visible deterioration of structure? No nere an obvious need to repair or replace trash rack? y noticeable problems with debris? No valve or gate present? Not visible let Pipe water visibly flowing or leaking outside of the discharge pipe? No
i. Any ii. Is the iii. An iv. Is viii. Any iii. Des	ary Spillway visible deterioration of structure? No nere an obvious need to repair or replace trash rack? y noticeable problems with debris? No valve or gate present? Not visible let Pipe water visibly flowing or leaking outside of the discharge pipe? scribe any deflection or damage observed to the pipe: None
i. Any ii. Is the iii. And iv. Is viii. Any iii. Des	ate, and any turbidity or color within the flow: No
ii. Is the iii. Any iii. Des iii. Vis iii. Vis iii. Noticiii. Anir	ary Spillway visible deterioration of structure? No nere an obvious need to repair or replace trash rack? No y noticeable problems with debris? No valve or gate present? Not visible let Pipe water visibly flowing or leaking outside of the discharge pipe? No scribe any deflection or damage observed to the pipe: No liary (Emergency) Spillway ceable obstructions to flow? Yes-landscaping and vegetation in the Emergency Spillway

Downstream/Hazard Class Issues Any noticeable changes immediately downstream of the dam that affects the hazard classification? Emergency Action Plan (EAP) Emergency Action Plan provided by owner? Yes i. Does EAP contains emergency alert notification plan? If so, when was it last updated? Updated 11/5/20 ii. Does EAP contain specific actions to take if the dam has failed or is near failure? ection IV (Conclusions) General comments and recommendations:	observed exposure of rebar reinforcement?		
Emergency Action Plan (EAP) Emergency Action Plan provided by owner? i. Does EAP contains emergency alert notification plan? If so, when was it last updated? Updated 11/5/20 ii. Does EAP contain specific actions to take if the dam has failed or is near failure? ection IV (Conclusions) General comments and recommendations:	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?		
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? Updated 11/5/20 iii. Does EAP contain specific actions to take if the dam has failed or is near failure? Section IV (Conclusions) General comments and recommendations:			
iii. Does EAP contain specific actions to take if the dam has failed or is near failure? section IV (Conclusions) General comments and recommendations:			
General comments and recommendations:	ns emergency alert notification plan? If so, when was it last updated? Updated 11/5/2		
General comments and recommendations: Dam appears to be well-maintained and in good condition.	in specific actions to take if the dam has failed or is near failure?		
	-maintained and in good condition.		
	-maintained and in good condition.		
	-maintained and in good condition.		
	-maintained and in good condition.		
	-maintained and in good condition.		
	-maintained and in good condition.		
_ 8	-maintained and in good condition.		
	-maintained and in good condition.		
	-maintained and in good condition.		

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



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

R.72-1 through R.72-9

Section I (Owner's Information)	
A. Dam Number: D 3349 & Hazard Class C2	B. Name of Dam: Granny Peach Assoc Dam
C. Inspection Date (04/28/20 15) & Time: 13:30	D. Date of Last Inspection: (01_/06_/ 2010_
E. Location-County/City: Spartanburg / Reidville	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Timothy Rhymer	
. Contact Person (if different from above):	The state of the s
J. Dam Owner's or Contact Person's Phone Numbers:	Home (864_) 877 1764
3	Office ()
	Other (864_) 303 6792
K. Dam Owner's or Contact Person's mailing address:	
Address 1 819 Mount Vernon Rd	The Control of the Co
Address 1 819 Mount Vernon Rd Address 2 (optional)	To 2004 26 2018 i editorial a call
Address 2 (optional), Sta	te SC Zip Code 29651 -
Address 2 (optional), Sta	te SC Zip Code 29651 -
Address 2 (optional), Sta	te <u>SC</u> Zip Code <u>29651</u>
Address 2 (optional), Sta	te <u>SC</u> Zip Code <u>29651</u>
Address 2 (optional) City Greer , Sta Section II (Dam Condition) General Condition Assessment (Select one of the fol	te SC Zip Code 29651
Address 2 (optional) City Greer , Sta Section II (Dam Condition) Seneral Condition Assessment (Select one of the follow) a) Satisfactory b) Fair c) Poor	te SC Zip Code 29651
Address 2 (optional) City Greer , Sta Section II (Dam Condition) General Condition Assessment (Select one of the follow) a) Satisfactory b) Fair c) Poor Gection III (Dam Inspection Checklist) A. Dam Crest	te SC Zip Code 29651
Address 2 (optional) City Greer , Sta Section II (Dam Condition) General Condition Assessment (Select one of the follow) a) Satisfactory b) Fair c) Poor Gection III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grassed, OK	te SC Zip Code 29651
Address 2 (optional) City Greer , Sta Section II (Dam Condition) General Condition Assessment (Select one of the folia) Satisfactory b) Fair c) Poor Gection III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grassed, OK ii. Animal activity observed? No	te SC Zip Code 29651



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

May 12, 2015

Timothy Rhymer 819 Mount Vernon Rd Greer SC 29651

Re:

cc:

Reinspection of Dam D-3349

Granny Peach Associates Dam, Spartanburg County

Dear Sir:

On April 28, 2015, I conducted a routine reinspection of the Granny Peach Associates Pond Dam.

I am enclosing a copy of my inspection report on the dam. Overall, the dam appears to be in fair condition. Your current maintenance program should continue. There are a couple of trees on the dam that are larger than 4" in diameter; if these trees become damaged or diseased they should be properly removed.

A copy of the Emergency Notification Plan is in our file. Should the dam experience difficulty, the appropriate emergency officials should be notified. The agencies listed on the plan can provide assistance in determining what actions to take for protection of the public health and downstream property.

You will be notified when the next reinspection of this dam is scheduled.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

John Poole, P.E. - Dams and Reservoir Safety, BW

	Slope On (grass, trees weeds)? A few large trees On (grass, trees weeds)? A few large trees
i. vegetatio	on (grass, trees weeds)? A few large trees.
ii. Animal a	ctivity observed? No
iii A==l=:	A Share and Andrew was and Defended Shares Andrewskills
III. Any obv	ious alterations or repairs made? No
iv. Erosion	observed on upstream slope? No
v. Settleme	nt or cracks visible in slope? No
C. Down Str	
i. Vegetatio	n (grass, trees weeds)? Grassed, OK
ii Animal a	ctivity observed? No
ii. Aiiiiidi d	Starty observed:
iii. Any obvi	ous alterations or repairs made? No
iv. Erosion o	bserved on down stream slope? No No
v. Settlemer	t or cracks visible in slope? №
	stal comments and recommendations
vi. Toe drain	s flowing? No toe drains.
A	page observed? If so, describe location, No
). Primary S _I	d any turbidity or color within the flow:
D. Primary S i. Any visible	d any turbidity or color within the flow: Dillway deterioration of structure? No outlet structure.
D. Primary S i. Any visible	d any turbidity or color within the flow:
D. Primary S _l i. Any visible	d any turbidity or color within the flow: Dillway deterioration of structure? No outlet structure.
D. Primary Spin. Any visible ii. Is there ar iii. Any notice	d any turbidity or color within the flow: pillway deterioration of structure? No outlet structure. obvious need to repair or replace trash rack?
i. Any visible ii. Is there ar iii. Any notice iv. Is valve o	d any turbidity or color within the flow: pillway deterioration of structure? No outlet structure. n obvious need to repair or replace trash rack? peable problems with debris? r gate present?
i. Any visible ii. Is there ar iii. Any notice iv. Is valve o	d any turbidity or color within the flow: pillway deterioration of structure? No outlet structure. n obvious need to repair or replace trash rack? peable problems with debris? r gate present?
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i. Any visible ii. Is there ar iii. Any notice iv. Is valve o C. Outlet Pipe i. Any water ii. Describe a iii. Visible con	d any turbidity or color within the flow: pillway deterioration of structure? No outlet structure. problems with debris? regate present? problems with debris?
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i. Any visible ii. Is there ar iii. Any notice iv. Is valve o i. Outlet Pipe i. Any water ii. Describe a iii. Visible con Auxiliary (E Noticeable of	d any turbidity or color within the flow: pillway deterioration of structure? No outlet structure. problems with debris? regate present? problems with debris? regate present? problems with debris? In obvious need to repair or replace trash rack? problems with debris? regate present? problems with debris? In gate present?
i. Any visible ii. Is there ar iii. Any notice iv. Is valve o i. Outlet Pipe i. Any water ii. Describe a iii. Visible con Auxiliary (E Noticeable of	d any turbidity or color within the flow: Description Description

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar	reinforcement?	
v. II applicable, any observed exposure of robar	na Craconicalina	od Water Literal II
vi. If applicable, any visible leakage below concr	ete spillway?	
	Sure ins or repersimades in	a eutilizatione a
H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstre	eam of the dam that affects the hazard clas	sification?
Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	In file.	Emes de none
ii. Does EAP contains emergency alert notificati	on plan? If so, when was it last updated?	12/11/2012
iii. Does EAP contain specific actions to take if t	he dam has failed or is near failure? yes	San Mary and
General comments and recommendations: This dam is in generally fair condition. Water discharge:		
insure erosion is not increasing. The dam is mostly gras	ssed, but a couple of trees on the dam that are ov	er 4" in diameter
should be monitored and properly removed if they become	me diseased or dead.	Attachment and
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	wallounk to nothing	and approximately
	Compati man amelia um	Address of the same of
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		SALSS HALL CO
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Preliminary Dam Inspection Disclaimer:

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South Carolina Department of Health and Environmental Control

December 4, 2013

Spartanburg County Parks and Recreation Dept 9039 Fairforest Rd Spartanburg, SC 29301

Re: Inspection of Dam D-3352, Cleveland Park Dam, Spartanburg County

To Whom It May Concern:

On November 4, 2013, I conducted a routine inspection of the Cleveland Park Dam. I am enclosing a copy of my inspection report of the dam. The overall condition of the dam was satisfactory.

We have a copy of your emergency alert notification plan on file. Should this dam experience difficulty and be endanger of failing, the agencies listed on the alert notification plan could provide assistance. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Upstate Region - Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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_33 52 & Hazard Class_2 B. Nar	ne of Dam: Cleveland Park
C. Inspection Date (11 /0 1/20/3_) & Time: 15:00 D. Dat	e of Last Inspection: (18/12010)
E. Location-County/City: Sptlg Sportanburg F. EQ	C Regional Office: Spartanhung
G. Inspector's Name: <u>James West</u>	900 II 57 AI 57 BILL 5
H. Owner's Name: Spartan burg	County Parks + Recreation
I. Contact Person (if different from above):	L
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864) 562-4150
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 90.79 Fairforest Rd	
Address 2 (optional)	// / / / / / / / / / / / / / / / / / /
City Spartanhurg, State Sc	Zip Code <u>2930</u> /
Section II (Dam Condition)	
General Condition Assessment (Select one of the following):	
a) Satisfactory b) Fair c) Poor d) Unsa	atisfactory e) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)?	
iii. Any obvious alteration or repairs made?	
in Francisco medicad on arrest0	
iv. Erosion noticed on crest?	
iv. Erosion noticed on crest?	

	Vegetation (grass, trees weeds)?
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?
v. 5	Settlement or cracks visible in slope?
j. V	own Stream Slope Vegetation (grass, trees weeds)?
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on down stream slope?
v. S	Settlement or cracks visible in slope?
vi.	Toe drains flowing?
i. A	rimary Spillway ny visible deterioration of structure? s there an obvious need to repair or replace trash rack?
iii. <i>i</i>	Any noticeable problems with debris?
iv.	Is valve or gate present?
	outlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? **Description** **Descript
ii. C	Describe any deflection or damage observed to the pipe:
	Visible condition of outlet channel:
iii. \	
. At	oticeable obstructions to flow?
. Α ι	oticeable obstructions to flow? Animal activity observed? Mone
. A u i. No ii. A	pimal activity observed?

	ny observed exposure of rebar reinforcement?
vi. If applicable, a	ny visible leakage below concrete spillway?
	azard Class Issues changes immediately downstream of the dam that affects the hazard classification?
. Emergency Acti i. Emergency Act	on Plan (EAP) on Plan provided by owner?
ii. Does EAP con	ains emergency alert notification plan? If so, when was it last updated?
iii. Does EAP cor	tain specific actions to take if the dam has failed or is near failure?
General comme	nts and recommendations:
General comme	Losss good
General comme	

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.



Low Hazard Dam Classification Inspection Form for South Carolina **Regulated Dams** Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

ate of Inspection: / U/ ZZ/Z/S/S	SC Dam inventory Number D	County	you for dary
ate of Inspection: 10/22/20/3 am Name: <u>Jobson Pond</u>	239	1 130	
Dam Owner Information	N. III.		at information holow
Has ownership changed?Yes			
A. Owner/ Operator (Company or person):			
Contact Person (if owner is company):			
Phone:	Email	l:	
Mailing Address:			
City:	State:		_ Zip:
Site Information			
A. Site Location (street address, nearest in	ntersection, etc.):		
Latitude:°' N Longitud	de:°" W Tax	map # (list all):	
		is .	=
B. Is there any evidence of new developme	ent below the dam?Yes	sNo	
C. Do you think the hazard classification sl			
•			1 (Lligh Horard)
D. If yes for item II.C, what is your opinion	of what the new classification's	should be?Class	i (filgii fiazard)
		Class	2 (Significant Hazard)
Signature Please print your name, sign, and date on determining the hazard classification was oportion of the form.	the lines below once the inspec obtaining from Bureau of Water	ction and form have been staff members, they wi	en completed. If assistance with Il also need to complete this
· · · · · · · · · · · · · · · · · · ·			1 20 1
Printed Name of Regional Inspector	Sig	nature	Date of Signature
			Deta (O)
Printed Name of BOW Engineer	Sig	nature	Date of Signature



South Carolina Department of Health and Environmental Control

December 6, 2013

John T. Taylor, Esq 360 Grove Street Charleston, SC 29403

Re: Inspection of Dam D-3355, Virginia Taylor Dam, Spartanburg County

Mr. Taylor:

On November 19, 2013, I conducted a routine inspection of the Virginia Taylor Dam on Old Georgia Road near Roebuck. I am enclosing a copy of my inspection report of the dam. The overall condition of the dam was **fair**.

As you know the dam is greatly improved from the 2010 routine inspection. The dam was raised slightly, the emergency spillway was raised and the erosion repaired, and the primary outlet pipe was modified considerably. These modifications have improved flow through the outlet pipe and kept the emergency spillway from being utilized on a daily basis.

Please note, though many trees have been removed, there are still numerous small trees on the dam slopes. Trees with diameters of less than 6 inches should be removed from both the front and back slopes.

Should this dam experience difficulty and be endanger of failing, the agencies listed on your emergency notification plan could provide assistance. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Upstate Region - Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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 3355 & Hazard Class 2 B. Name of Dam: Vinginia laylo C. Inspection Date (LILE/2013) & Time: 17:15 E. Location-County/City: Roe hack Spartanburg G. Inspector's Name: James West H. Owner's or Contact Person's Phone Numbers: Home ()	ocodon i (Owner a miormation)	A
C. Inspection Date (LITE/2013) & Time: D.Date of Last Inspection: (Q21312101) E. Location-County/City: Rose back Spartanburg F. EQC Regional Office: Spartanburg G. Inspector's Name: Date Dest H. Owner's Name: Date Taylor I. Contact Person (if different from above): Ton Foster J. Dam Owner's or Contact Person's Phone Numbers: Home (A. Dam Number: D3355 & Hazard Class 2	B. Name of Dam: Vinginia layin
E. Location-County/City: Roe back Spartanburg F. EQC Regional Office: Spartanburg G. Inspector's Name:	C. Inspection Date (/ 1/15/2013) & Time: /3/15	
G. Inspector's Name:	E. Location-County/City: Roehuck 1 Spartanburg	
I. Contact Person (if different from above):		and they they the
I. Contact Person (if different from above):	H. Owner's Name: John Taylor	
Office () Other (&&t) \(\frac{1}{2} \) \	1,000	
Office (J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
Address 1 360 6rove 5t Address 2 (optional) City Charleston . State 5C Zip Code 29403- 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)? Crass ii. Animal activity observed? None iii. Any obvious alteration or repairs made? Dan Leight raised shifty iv. Erosion noticed on crest?		
Address 2 (optional) City	K. Dam Owner's or Contact Person's mailing address:	Other (867)415 - 2037
Address 2 (optional) City		
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)? ii. Animal activity observed? None iii. Any obvious alteration or repairs made? None iv. Erosion noticed on crest?		
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)? Criss ii. Animal activity observed? None iii. Any obvious alteration or repairs made? Dan herght raised striptly iv. Erosion noticed on crest?		CC 7in Code 7 94 oz
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)? Crass ii. Animal activity observed? None iii. Any obvious alteration or repairs made? Nan height raised slightly iv. Erosion noticed on crest?	, State	21p Code 2.7103
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)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? In Any Actifity Shiftly iv. Erosion noticed on crest?		
General Condition Assessment (Select one of the following): a) Satisfactory		
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? Dan herght raised shifty iv. Erosion noticed on crest?	Section II (Dam Condition)	Where the department of the
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? Dan herght raised slightly iv. Erosion noticed on crest?	General Condition Assessment (Select one of the follow	ving):
i. Vegetation (grass, trees weeds)? ii. Animal activity observed? iii. Any obvious alteration or repairs made? Dan height raised slightly iv. Erosion noticed on crest?		
ii. Animal activity observed? Wone iii. Any obvious alteration or repairs made? Dan herght raised slightly iv. Erosion noticed on crest?	Section III (Dam Inspection Checklist)	The state of the s
iii. Any obvious alteration or repairs made? Dan height raised slightly iv. Erosion noticed on crest? NO	/	whether reports the same and a second
iv. Erosion noticed on crest?	ii. Animal activity observed?	
	iii. Any obvious alteration or repairs made?	height raised shiftly
v. Any visible settlement, misalignment or cracks?	iv. Erosion noticed on crest?	
A CALLS OF THE PARTY OF THE PAR	v. Any visible settlement, misalignment or cracks?/Uo	

	on III (Dam Inspection Checklist) continued
Up:	stream Slope getation (grass, trees weeds)?
ii. A	nimal activity observed?
iii. A	ny obvious alterations or repairs made?
iv. E	rosion observed on upstream slope?
	ettlement or cracks visible in slope?
i. V	egetation (grass, trees weeds)? Trees and Weeds
ii. A	nimal activity observed?
iii.	Any obvious alterations or repairs made? No
iv. l	Frosion observed on down stream slope? No
v. S	Settlement or cracks visible in slope?
vi.	Toe drains flowing? New Found Any seepage observed? If so, describe location, Do
i. <i>F</i>	rimary Spiltway Any visible deterioration of structure? Structure? One D D
iii.	Any noticeable problems with debris?
iv.	Is valve or gate present?
i.	Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? **Note: The control of the discharge pipe is a second of the discharge pipe? **Note: The control of the discharge pipe?** **Note: The control of the discharge pipe.** **Note: The control of the discharge pipe.**
ii.	Describe any deflection or damage observed to the pipe:
	. Visible condition of outlet channel: fair - some eros for may
F	Auxiliary (Emergency) Spillway Noticeable obstructions to flow?
	Animal activity observed? No
	Any noticeable deterioration in the approach or discharge channel? No - discharge channel?
	countion we and property & and tone
OHEC	2604 (Rev 11/2011) (Jork done in 20/3

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.

F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforcement?	NA	
There are December and Bure as an area of the	and the second second second	_
vi. If applicable, any visible leakage below concrete spillway?	NA	-
I. Downstream/Hazard Class Issues		-
i. Any noticeable changes immediately downstream of the dam th	hat affects the hazard classification?	
None		-
constraint of the supplemental and the constraints	is introduction of the constitution of the con-	'n,
. Emergency Action Plan (EAP)	Mark to the All the Mark to the Late	400 m
i. Emergency Action Plan provided by owner?	A 4 500	
		_
ii. Does EAP contains emergency alert notification plan? If so, wh	hen was it last updated?	-
TAR	d as is more failure?	2- 1
iii. Does EAP contain specific actions to take if the dam has failed	d of is near failure r	-
	THERE IS NOT SHOULD BE A STREET	-
ي ا م م م م م		
Section IV (Conclusions)		
DITE STREET, LINE TO THE S	A REAL SECTION OF THE PROPERTY OF THE	
General comments and recommendations:	THE WARRANT OF THE STREET, AND THE	
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2010 Inchesting Some cond	ell Loor are	يهرن
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2010 inspection. Some smo still growing on both sides cutting them.	of the dam, Cont	- lin
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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: D3357 & Hazard Class C2 B. Name of Dam: 2 innerma Late Off
C. Inspection Date ([1/01/20 12] & Time: /3:>> D. Date of Last Inspection: ([1/09/2001])
E. Location-County/City: Spart. Spart. F. EQC Regional Office: R2 Spart.
G. Inspector's Name: Mark CANN
H. Owner's Name: Late Will Zimmerman, Isc
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 3565
Address 2 (optional)
City Spartales, State SC Zip Code 29304
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)?
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)

Auxiliary (Emergency) Spi If applicable, any observed	exposure of rebar reinforcement?
. If applicable, any visible le	akage below concrete spillway?
	nediately downstream of the dam that affects the hazard classification?
Emergency Action Plan (E Emergency Action Plan pro	vided by owner?
ii. Does EAP contains emerg	ency alert notification plan? If so, when was it last updated?
iii. Does EAP contain specific	actions to take if the dam has failed or is near failure?
Section IV (Conclusions General comments and rec	

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.

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

Section III (Dam Inspection Checklist):

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

Section IV(Conclusions):

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

Office Mechanisms and filing: The form must be sent to the Dam's owner(s) and filed with the Bureau of Water, Dams and Reservoir Safety Program, before the end of the following month after which the inspections were performed. The report will be filed in the Bureau of Water's file room and will be retained for at least three years after the Department certifies the removal of the inspected dam.



South Carolina Department of Health and Environmental Control

December 10, 2013

Paul Cote 1016 Arden Way Spartanburg, SC 29306

Re: Inspection of Dam D-3361, Park Lake Dam, Spartanburg County

Mr. Cote:

On November 21, 2013, I conducted a routine inspection of the Park Lake dam off Pinecrest Road in Spartanburg. I am enclosing a copy of my inspection report of the dam. The overall condition of the dam was fair.

As you know the emergency spillway has become the primary outlet. The traditional outlet pipe has no flow. Water does, however, routinely flow from the seep pipe. Additionally water is seeping from the toe of the slope roughly 80' right of the outlet pipe. These two discharges must be monitored for any increase in flow or the movement of sediment through the dam structure.

Please note, that while the dam crest and most of the downslope has been well maintained, there are still numerous small trees at the bottom 15% of the slope and along the fence. Tree roots can become a pathway for water seeping through the dam. Trees with diameters of less than 6 inches should be removed from both sections.

We do not have an updated copy of your emergency alert notification plan on file. Please complete the notification plan sheets enclosed and return one to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance in doing this. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Upstate Region - Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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 3361 & Hazard Class 2 B. Name of Dam: Park Lake
C. Inspection Date ([[]] & Time: /4/00 D. Date of Last Inspection: ([] 6/20/0]
E. Location-County/City: Spthg 1 Spartanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Park Lake Inc.
1. Contact Person (if different from above): Paul Cote Chegistered Agent)
J. Dam Owner's or Contact Person's Phone Numbers: Home (\$\sum_44).579-2535
Office ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 10/6 Arden Way
Address 2 (optional)
City Spantonbung, State SC Zip Code 27.302.
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)?

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ii. Animal activity observed?

iv. Erosion noticed on crest?

iii. Any obvious alteration or repairs made?

v. Any visible settlement, misalignment or cracks?

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Ueeds bushes
ii. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope?
i. Animal activity observed? Mostly grass but last 15% Mostly grass but last 15% Of Slape is Coaded.
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: Pipe (~ 80'). D. Primary Spillway Primary Spillway
i. Any visible deterioration of structure? No structure tound
ii. Is there an obvious need to repair or replace trash rack? No TR Found
iii. Any noticeable problems with debris?
iv. Is valve or gate present? None Found
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel:
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? None - 55 is the primary out
ii. Animal activity observed? Mone
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 appli	cable, any visible leakage below concrete spiltway?
	ream/Hazard Class Issues iceable changes immediately downstream of the dam that affects the hazard classification?
	ncy Action Plan (EAP) ncy Action Plan provided by owner? Ves 1983
ii. Does E	AP contains emergency alert notification plan? If so, when was it last updated? $y=1982$
iii. Does E	AP contain specific actions to take if the dam has failed or is near failure?
Tre die	ees at Spillway Fence need to be cut, ees at toe at slope should be cut (66" in emeter). Larger trees can remain. Litor the seepage to determine if it reases in Flow or adds Sill material From dam.
Upd	ate the EAP.
	and the state of t
	Jameswess

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

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.

Regional engineers and inspectors engaged in the dams Who will complete the form: 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

August 18, 2015

Pierce Acres Lake HOA Attn: Russel Floyd PO Box 1150 Drayton SC 29307

Re:

Reinspection of Dam D-3363,

Pierce Acres Lake Dam, Spartanburg County

Dear Mr. Floyd:

On May 28, 2015 a routine reinspection of the Pierce Acres Lake Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- -The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter.
- -There is considerable plant and yard debris being dumped on and below the dam. This activity should be prohibited and the debris on the dam removed.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: John Poole, P.E. - Dams and Reservoir Safety, BW



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 3363 & Hazard Cl	ass C2 B. Name of Dam: Pilerce Acres Dam
C. Inspection Date (<u>05/28/20</u> <u>15</u>) & Tim	ne: 12:30 D. Date of Last Inspection: (11 /05 / 2012)
E. Location-County/City: Spartanburg / Sp	partanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Pierce Acres Lake HOA	A Control of the Cont
. Contact Person (if different from above): Russel Floyd
J. Dam Owner's or Contact Person's Pho	one Numbers: Home (864_) 579 - 1463
	Office ()
Sino ilgi Silono troditi norta ingli tri ngli nilo	Other ()
	iling address:
K. Dam Owner's or Contact Person's ma	
Address 1 509 Mockingbird Lane	
	, State <u>SC</u> Zip Code <u>29307</u> -
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150	, State <u>SC</u> Zip Code <u>29307</u> -
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150	, State <u>SC</u> Zip Code <u>29307</u>
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton	ct one of the following):
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition)	ct one of the following):
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition) General Condition Assessment (Selection II (Selection II (Dam Condition)	ct one of the following): c) Poor
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition) General Condition Assessment (Selection) a) Satisfactory b) Fair	ct one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition) General Condition Assessment (Selection III (Dam Inspection Chema) A. Dam Crest	ct one of the following): c) Poor d) Unsatisfactory e) Not Rated
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition) General Condition Assessment (Selection III (Dam Inspection Chemical Condition Chemical Chemical Condition Chemical Condition Chemical	ct one of the following): c) Poor d) Unsatisfactory e) Not Rated cklist) crass, brush
Address 1 509 Mockingbird Lane Address 2 (optional) PO Box 1150 City Drayton Section II (Dam Condition) General Condition Assessment (Selection III (Dam Inspection Chemical Condition Chemical Condition Chemical Condition Chemical Condition Chemical Condition Chemical Condition (grass, trees weeds)? Git Animal activity observed?	ct one of the following): c) Poor d) Unsatisfactory e) Not Rated cklist) crass, brush

	arribon politica (centipolitica) to all the
ii. Animal activity observed? No	
iii. Any obvious alterations or repairs made? No	
iv. Erosion observed on upstream slope? Some minor	
v. Settlement or cracks visible in slope? No	
i. Vegetation (grass, trees weeds)? Trees, brush, plant debris dumped in area.	natur Authur Plat (598) gans Agens Tilan provided by natin
ii. Animal activity observed? No	micro talik yacay japan amana ja Mig
iii. Any obvious alterations or repairs made? №	Mai di winan groedi, whoshin e
iv. Erosion observed on down stream slope? №	(zemikalana Yulia
v. Settlement or cracks visible in slope? No	and all minimum Aug has a sharp and
vi. Toe drains flowing? No toe drains.	
i. Any visible deterioration of structure? OK ii. Is there an obvious need to repair or replace trash rack? No	
ii. Is there an obvious need to repair or replace trash rack? No	
ii. Is there an obvious need to repair or replace trash rack? No No No No	
ii. Is there an obvious need to repair or replace trash rack? No	
ii. Is there an obvious need to repair or replace trash rack? No No No No	No
ii. Is there an obvious need to repair or replace trash rack? No iii. Any noticeable problems with debris? No iv. Is valve or gate present? Yes OK OK No No Iv. Is valve or gate present? Yes	No OK
ii. Is there an obvious need to repair or replace trash rack? No iii. Any noticeable problems with debris? No iv. Is valve or gate present? Yes E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?	
ii. Is there an obvious need to repair or replace trash rack? No iii. Any noticeable problems with debris? No iv. Is valve or gate present? Yes Cutlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe:	
ii. Is there an obvious need to repair or replace trash rack? No iii. Is there an obvious need to repair or replace trash rack? No iii. Any noticeable problems with debris? No iv. Is valve or gate present? Yes Cottlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? iii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: OK Auxiliary (Emergency) Spillway	
ii. Is there an obvious need to repair or replace trash rack? No iii. Is there an obvious need to repair or replace trash rack? No iii. Any noticeable problems with debris? No iv. Is valve or gate present? Yes E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: OK Auxiliary (Emergency) Spillway Noticeable obstructions to flow? Large tree and a gazebo	OK

v. If applicable, any observed exposure of reb	al felillorcement:
vi. If applicable, any visible leakage below cor	ncrete spillway?
I. Downstream/Hazard Class Issues i. Any noticeable changes immediately downs	stream of the dam that affects the hazard classification? No.
Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	
ii. Does EAP contains emergency alert notific	cation plan? If so, when was it last updated? Yes, 2012
iii. Does EAP contain specific actions to take	if the dam has failed or is near failure? Yes
General comments and recommendations Dam is in overall Fair condition. The downstream slope	
General comments and recommendations Dam is in overall Fair condition. The downstream slop	pe has a lot of large trees and brush growing on it, and a lot of plant an
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local h	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle	pe has a lot of large trees and brush growing on it, and a lot of plant an
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle This plan should be developed by a qualified engineer	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle This plan should be developed by a qualified engineer	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle This plan should be developed by a qualified engineer	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle This plan should be developed by a qualified engineer	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.
General comments and recommendations Dam is in overall Fair condition. The downstream slop yard debris is being dumped on the dam. The local helsewhere, and the HOA should develop a plan to cle This plan should be developed by a qualified engineer	pe has a lot of large trees and brush growing on it, and a lot of plant an nomeowners should be cautioned to dispose of this debris properly ear the downstream slope and repair the dam after clearing.

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ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 919)325-3556

Schnabel Engineering 04 Corporate Blvd Suite 410 W. Columbia, SC 29169 803) 796-6240

William A. Timmons, PE 6-C North Brooks St O Box 927 Vanning, SC 803) 435-2647

Hass & Hildebrand, Inc. 3 Greenville St SW 2. O. Box 3276 Aiken, SC 29802 803)649-1316

1. Grady Adkins, Jr., P.E. Southeast Regional Office 'aul C. Rizzo Associates, Inc. 01 Westpark Boulevard, Suite B Columbia, SC 29210 803) 750-9773 x 12 AX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 0719 Wilson Blvd. Hythewood, SC 29016 803) 714-9632 Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728 Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360

lote: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The nclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean he firm is not qualified to do design work on dams.

AS	OWNER		MANAGER		OPERATOR	(Please Check One)
J. West LL	3363 D.			Spart	an burg Cou	S.C. DHEC REGION 2 I ty SPARTANBURG, EV
R. Mullinax	CHOVEH	LANCE PLAN	AND EMERGENC	Y NOTIFIC	ATION PLAN	DEC 18 2012
F. Hall S. Hammon	d K. Lan	DAMS AND R	RESERVOIRS SAFI	ETY PROG	RAM	DEC 1 0 2019
C. Carroll	S. Gar		HEALTH AND ENVIR	TONMENT/	N CONTROL	TOTOLI V EST
S. Turrier S. Burnett	M. Car		21.8	()	RECEIVED
S. Turner	AL C. Can	Jan 19 4		100		

Of the above reference dam, the person(s) named below are responsible for safe maintenance and operation of the above dam and reservoir and are responsible for implementing the following Surveillance Plan and the following Emergency Notification Plan:

SURVEILLANE PLAN

Visual inspections will be performed frequently to detect any major changes, which may endanger the dam such as settlement, erosion, cracking and earth movement. Evidence of seepage on the downstream slope, at the toe and downstream from the toe, will be monitored to detect any increase in flow or movement of soil particles. The Dams and Reservoirs Safety District Engineer, at 864-596-3800 will be notified if any of the above symptoms are found.

EMERGENCY NOTIFICATION PLAN

In the event a major flood or hurricane is forecast, the dam will be monitored, and if the dam appears to be in danger from overtopping or if failure appears imminent because of other problems, the following state and local officials will be notified and the dam will be kept under constant surveillance until the proper authorities arrive to protect the general public.

1.	South Carolina Highway Patrol	587-4702
2.	Local Highway Maintenance Engineer SC DOT	587-4725
3.	Local Police Department, Emergency Preparedness personnel, and other county or	
l	town officials	595-5365
4.	S.C. Department of Health and Environmental Control, Columbia, SC	(803) 898-4212
	John Poole (803) 253-6488 15 24 hr #	8

Additionally, the dam owner or his representative will notify the following downstream property owners. (This space is provided for the dam owner or his representative to complete, as this is his responsibility under the SC Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan:

NAME:	t DATE:	TELEPHONE:		
Tray Pierce	12 6 2012	(864) 680-8404		



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

October 6, 2015

Mr. Charles G. Liles 391 Stewart Rd Spartanburg SC 29306

Re:

Reinspection of Dam D-3366,

Liles Pond Dam, Spartanburg County

Dear Mr. Liles:

On September 8, 2015 a routine reinspection of the Liles Pond Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

-The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely

Mark Cann, Sr., P.E. Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 (919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 (803) 796-6240

William A. Timmons, PE 16-C North Brooks St PO Box 927 Manning, SC (803) 435-2647

Hass & Hildebrand, Inc. 33 Greenville St SW P. O. Box 3276 Aiken, SC 29802 (803)649-1316

H. Grady Adkins, Jr., P.E.
Southeast Regional Office
Paul C. Rizzo Associates, Inc.
101 Westpark Boulevard, Suite B
Columbia, SC 29210
(803) 750-9773 x 12
FAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 10719 Wilson Blvd. Blythewood, SC 29016 (803) 714-9632

the firm is not qualified to do design work on dams.

Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

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William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean

Don Worley, P.E. Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360



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 3366 & Hazard Class c2	B. Name of Dam: Liles Pond Dam
C. Inspection Date (09 / 08 / 20 15) & Time: 14:45	D. Date of Last Inspection: (10 / 15 / 2012 _)
E. Location-County/City: Spartanburg / Spartanburg	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Charles Liles	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home (864_) 583 7089_
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other (<u>864</u>) <u>621</u> <u>1006</u> _
Address 1 391 Stewart Rd	
Address 2 (optional)	
	SC Zip Code 29306 -
Section II (Dam Condition)	-
General Condition Assessment (Select one of the following):	
a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated	
Section III (Dam Inspection Checklist)	
A. Dam Crest	
i. Vegetation (grass, trees weeds)? Grass	
ii. Animal activity observed? No	
iii. Any obvious alteration or repairs made? No	
iv. Erosion noticed on crest? No	
v. Any visible settlement, misalignment or cracks? No	
DHEC 2604 (Rev 11/2011)	

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? Grass, brush. ii. Animal activity observed? iii. Any obvious alterations or repairs made? iv. Erosion observed on upstream slope? No v. Settlement or cracks visible in slope? No C. Down Stream Slope i. Vegetation (grass, trees weeds)? Brush, trees, weeds. ii. Animal activity observed? iii. Any obvious alterations or repairs made? iv. Erosion observed on down stream slope? v. Settlement or cracks visible in slope? No vi. Toe drains flowing? No toe drains. vii. Any seepage observed? If so, describe location, None noted. flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? Not visible. E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? No ii. Describe any deflection or damage observed to the pipe: None iii. Visible condition of outlet channel: OK F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Brush, trees. ii. Animal activity observed? iii. Any noticeable deterioration in the approach or discharge channel? iv. Any visible deterioration of structure's crest? No **DHEC 2604 (Rev 11/2011)**

v. If applicable, any observed exposure of	
vi. If applicable, any visible leakage below	concrete spillway?
Downstream/Hazard Class Issues i. Any noticeable changes immediately dov	vnstream of the dam that affects the hazard classification? No
. Emergency Action Plan (EAP) i. Emergency Action Plan provided by own	er? On file.
ii. Does EAP contains emergency alert not	ification plan? If so, when was it last updated? Yes-10/19/2012
iii. Does EAP contain specific actions to tal	ke if the dam has failed or is near failure? Yes
General comments and recommendatio	
Section IV (Conclusions) General comments and recommendatio Dam is in overall Fair condition. Dam should be of	

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.

. Auxiliary (En	nergency) Spillway continued any observed exposure of rebar reinforcement?
vi. If applicable	e, any visible leakage below concrete spillway?
i. Downstrean i. Any noticeat	n/Hazard Class Issues le changes immediately downstream of the dam that affects the hazard classification?
Emergency /	Action Plan (EAP) Action Plan provided by owner?
i. Emergency	7.00.000
ii. Does EAP	contains emergency alert notification plan? If so, when was it last updated?
	Vec
iii. Does EAP	contain specific actions to take if the dam has failed or is near failure?
Do Dou The Run	m is being regulated by 12 RC mit # 8185) because of the hydro ser generators. Sirst one need 100 CFS to operate. Springerily late Fall throughthe Spring

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

owners are responsible for the safe operations and maintenance of their impoundment structures.

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? NA - water to top of dam
ii. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope?
C. Down Stream Slope i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made? None
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:
i. Any visible deterioration of structure? I. S. H. e. dam
ii. Is there an obvious need to repair or replace trash rack?
iii. Any noticeable problems with debris?
iv. Is valve or gate present? Gates For hydropower unit tubes
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel:
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? **Noticeable obstructions to flow?** **Noticeable obstructions flow?* **Noticeable obstructions flow?*
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)



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

Section I (Owner's Information)	S S S S S S S S S S S S S S S S S S S
A. Dam Number: D 3269 & Hazard Class 2	B. Name of Dam: ///Fton #3/Converse
C. Inspection Date (<u>L/15/20/2</u>) & Time: ///oc	D. Date of Last Inspection: (1/16/2009)
E. Location-County/City: Sothy 1 Converse	F. EQC Regional Office: 2 - Spartunbung
G. Inspector's Name: James West	
H. Owner's Name: Corverse Energy -	Franklin Lamb
I. Contact Person (if different from above):	y Sanford (on-site Mgr)
J. Dam Owner's or Contact Person's Phone Numbers:	Home (<u>&4) 766 - 6444</u> Office ()
	Other ()
K. Dam Owner's or Contact Person's mailing address:	
Address 1 1.0, Box 243	
Address 2 (optional)	
City Con verse . State	<u> </u>
Section II (Dam Condition)	
General Condition Assessment (Select one of the folio	owing):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)	1d Mill Stone dam
A. Dam Crest i. Vegetation (grass, trees weeds)?	
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made?	e e
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	One
DHEC 2604 (Rev 11/2011)	as the second of address the visit of





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

November 14, 2012

Franklin Lamb P.O. Box 243 Converse, SC 29329

Re: Inspection of Dam D-3369, Clifton #3 (Converse) Dam, Spartanburg County

Dear Mr. Lamb:

On November 5, 2012, SC DHEC conducted a routine inspection of your dam at Converse Mill. Mr. Johnny Sanford met me at the site and was most helpful. I am enclosing a copy of the inspection report for the dam.

Overall the old mill stone dam appears to be in **Good** condition. It was noted during the inspection the dam has an active power generation unit and is currently being inspected by the Federal Energy Regulatory Commission (FERC). A review of the Emergency Notification Plan prepared for FERC indicated they have assigned this dam permit number 8185.

Per SC Code of Regulations Chapter 72-2 D. Exemptions, as long as the dam is regulated by FERC, SC DHEC no longer has purview. For this reason, we will remove your dam from our inspection scheme until such time as it is no longer federally regulated. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2

Spartanburg EQC Office

Cc: John Poole, SC DHEC Bureau of Water - Dam Safety Program

Florence Hall, SC DHEC EQC Spartanburg

Hall Carrett off Carter one





Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

December 19, 2012

Jim Seay P.O. Box 10 420 River Street Lockhart, SC 29364

Re: Inspection of Dam D-3374, upper Pacolet Dam, Spartanburg County

Dear Mr. Seay:

On December 17, 2012, SC DHEC conducted a routine inspection of your dam located on the Pacolet River in the town of Pacolet. Your assistance and that of others at the site was most helpful. I am enclosing a copy of the inspection report for the dam.

The stone dam, originally built to supply hydro-mechanical power to the upper Pacolet mill in the late 1800s, appears to be in **Good** condition. It was noted during the inspection the dam has a power generation unit under construction and is currently being inspected by the Federal Energy Regulatory Commission (FERC). A review of the "Order Issuing Subsequent Major License" submitted by FERC indicates they have assigned this dam and the lower Pacolet dam a combined permit number 2621.

Per SC Code of Regulations Chapter 72-2 D. Exemptions, as long as the dam is regulated by FERC, SC DHEC no longer has purview. For this reason, we will remove your dam from our inspection scheme until such time as it is no longer federally regulated. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2

Spartanburg EQC Office

Lames West

Cc:

John Poole, SC DHEC Bureau of Water - Dam Safety Program

Florence Hall, SC DHEC EQC Spartanburg

Hall Hall Garrett ____ Carter ____



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

DMOTE PROTECT PROSPER
Section I (Owner's Information)
A. Dam Number: D 3314 & Hazard Class 2 B. Name of Dam: Upper Pacalet Mills
C. Inspection Date (12 1/1/20 12) & Time: 10 5 3 0 D. Date of Last Inspection: (12 14 12 0 9)
E. Location-County/City: 5 thg Pacolet F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Lock hart Power
I. Contact Person (if different from above): Jim Seay
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office (864)545-2593
Other (8(4) 706 - 7 228
K. Dam Owner's or Contact Person's mailing address:
Address 1 Po Box D
Address 2 (optional) 420 River Street City Lockhart, State SC Zip Code 25364-
City $\frac{\text{Cock harf}}{\text{Code } 25369}$, State $\frac{\text{SC}}{\text{State}}$ Zip Code $\frac{25369}{\text{Code } 25369}$
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)?
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)

8. Upstream S	Slope The second
i. Vegetation	(grass, trees weeds)?
ii. Animal ac	tivity observed?
iii. Any obvio	ous alterations or repairs made?
	oserved on upstream slope?
v. Settlement	or cracks visible in slope? No - stope underwater
i. Vegetation	am Slope (grass, trees weeds)? Stone block
ii. Animal ac	tivity observed? No
iii. Any obvio	ous alterations or repairs made?//o
iv. Erosion ol	bserved on down stream slope? NA
v. Settlemen	t or cracks visible in slope?
vi. Toe drain:	s flowing?
D. Primary Sp i. Any visible	deterioration of structure? Top of dam is the spillway
ii. Is there ar	n obvious need to repair or replace trash rack? NA
iii. Any notice	eable problems with debris?
iv. Is valve o	r gate present?
E. Outlet Pip i. Any water	e visibly flowing or leaking outside of the discharge pipe?
ii. Describe a	
iii Visible co	any deflection or damage observed to the pipe:
III. VISIDIE CO	any deflection or damage observed to the pipe: Indition of outlet channel:
F. Auxiliary (
F . Auxiliary (l i. Noticeable	Emergency) Spillway
F. Auxiliary (l i. Noticeable ii. Animal act	Emergency) Spillway obstructions to flow?

F	v. If applicable, any observed exposure of rebar reinforcement?
	vi. If applicable, any visible leakage below concrete spillway?
F	i. Any noticeable changes immediately downstream of the dam that affects the hazard classification?
ī	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?
	General comments and recommendations: The dam is a mill dam from late 1800s. It to was used for hydro-mechanical power at the mill. The dam is being retro fitted with lil mega watt hydro generator unit. The Pacolet River will be funnel for the hydro-unit on the mill side of the dam.
_	to the hydro unit on the mill side of the dam.
_	FERC is now regulating the dawn. They are already inspecting aspects of the modification.
_	
_	

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.





South Carolina Department of Health and Environmental Control

November 20, 2013

SC Dept. of Natural Resources 311 Natural Resources Drive Clemson, SC 29631

Re: Inspection of Dam D-3379, Lake Edwin Johnson Dam, Spartanburg County

Dear Sir:

On October 30, 2013, I conducted a routine inspection of the Lake Edwin Johnson Dam. I am enclosing a copy of my inspection report of the dam. The overall condition of the dam was fair.

As was noted in the 2010 inspection, the woody vegetation is very thick on both sides of the dam. Trees with diameters of less than 6 inches should be removed from both the front and back slopes.

We have a copy of your emergency alert notification plan on file. Should this dam experience difficulty and be endanger of failing, the impacted area downstream would need to be evacuated and downstream roads blocked. The agencies listed on the notification plan could provide assistance in doing this. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

James West

SC DHEC Upstate Region - Spartanburg EQC Office

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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: D2319 & Hazard Class 2 B. Name of Dam: Lake Johnson
C. Inspection Date (10/30/2013) & Time: 1400 D. Date of Last Inspection: (11/10/2010)
E. Location-County/City: White Stone 1 Spartanburg F. EQC Regional Office: Spartanburg E. Croft State Park
G. Inspector's Name: James West E. Croff State Park
H. Owner's Name: SC Dept. of Natural Resources
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office (802) 609-7035
K. Dam Owner's or Contact Person's mailing address:
Address 1 311 Natural Resources prive
Address 2 (optional)
City Clemson, State Sc Zip Code 2963/-
, State 3 C 2ip Code 27637
Section II (Dam Condition)
Section II (Dam Condition) General Condition Assessment (Select one of the following):
General Condition Assessment (Select one of the following):
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Select one of the following): a) Satisfactory
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? grass weeds longe trail ii. Animal activity observed? Seaver crossing / frail
General Condition Assessment (Select one of the following): a) Satisfactory b) Fair c) Poor d) Unsatisfactory e) Not Rated Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass weeds longe trail ii. Animal activity observed? Seaver crossing / frail iii. Any obvious alteration or repairs made?

**	pstream Slope Vegetation (grass, trees weeds)? Trees and brush
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?
٧. ا	Settlement or cracks visible in slope?
i. \	own Stream Slope /egetation (grass, trees weeds)?
ii.	Animal activity observed? Beaver trail
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on down stream slope?
v. S	Settlement or cracks visible in slope?
vi.	Toe drains flowing? No drains Found
). Pı	
i. A	rimary Spillway ny visible deterioration of structure?
i. A	ny visible deterioration of structure?
i. A	ny visible deterioration of structure?
i. A ii. I: iii. /	s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? S valve or gate present? No - Value is for a seperate pipe to drain the lake
i. A ii. I: iii. /	s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Solve or gate present? No - Value is for a separate pi
i. A ii. I: iii. /	s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? No - Value is for a seperate pipe outside of the discharge pipe? Also dear the lake
i. A ii. I: iii. / iii. /	s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? To drain the lake utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No
ii. A ii. I: iii. / iii. / iii. / iii. / iii. C	s there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? No - Value is for a seperate pipe of the discharge pipe? We water visibly flowing or leaking outside of the discharge pipe? Wone describe any deflection or damage observed to the pipe: Wone
i. A ii. I: iii. / iv. i ii. A iii. C	sthere an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? Any half to drain the lake utlet Pipe In water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: O K In the lake
i. A ii. I: iii. / iv. I ii. A iii. C	Any noticeable problems with debris? So valve or gate present? Any water visibly flowing or leaking outside of the discharge pipe? We describe any deflection or damage observed to the pipe: While the pipe of the discharge pipe? When the pipe of the discharge pipe? When the pipe of the discharge pipe? When the pipe of the pipe: When the pipe of the pipe: When the pipe of the pipe

vi. If applic	
· · · · · · · · · · · · · · · · · · ·	able, any visible leakage below concrete spillway?
H. Downsti	eam/Hazard Class Issues
i. Any notic	ceable changes immediately downstream of the dam that affects the hazard classification?
: Co	eld be a low harard dan
	cy Action Plan (EAP)
i. Emerger	ncy Action Plan provided by owner?
ii. Does F	AP contains emergency alert notification plan? If so, when was it last updated?
5 0 0 0 0	
iii. Does E	AP contain specific actions to take if the dam has failed or is near failure?
	become the small trees. Watch for
	become the small trees. Watch for
	benove the small trees. Watch for
	benove the small trees. Watch for
	benove the small trees. Watch for
Sea	benove the small trees. Watch for

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.



Significant Low Hazard Dam Classification Inspection Form for South Carolina Regulated Dams

Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

D	ate of Inspection: Oct 30, 2013 SC Dam Inventory Number D 3379 County: Spartanburg				
D	am Name: Lake Edwin Johnson				
l.	Dam Owner Information Has ownership changed?YesNo (If yes, enter the new owners and their contact information below) A. Owner/ Operator (Company or person):				
	Contact Person (if owner is company): Don Miles				
	Phone: (803) 609-7039 Email:				
	Mailing Address: 311 Natural Resources Drive				
	City: //emson State: SC Zip: 2563/				
II.	Site Information A. Site Location (street address, nearest intersection, etc.):				
	34. 87972361 - 81. 8359088				
	Shallow with the development below the development				
	B. Is there any evidence of new development below the dam?YesNo C. Do you think the hazard classification should be upgraded?YesNo				
	D. If yes for item II.C, what is your opinion of what the new classification should be?Class 1 (High Hazard)				
	Class 2 (Significant Hazard)				
	- Class 3 (Low Hazard)				
III.	Signature Please print your name, sign, and date on the lines below once the inspection and form have been completed. If assistance with determining the hazard classification was obtaining from Bureau of Water staff members, they will also need to complete this portion of the form.				
	Printed Name of Regional Inspector Signature Nov. 21, 2013 Date of Signature				
	Printed Name of BOW Engineer Signature Date of Signature				



South Carolina Department of Health and Environmental Control

December 5, 2013

Croft State Park Attn: John Moon 450 Croft S.P. Road Spartanburg, SC 29302

Re: Inspection of Dam D-3383, Croft Lake, Spartanburg County

Dear John:

As you recall, on November 18, 2013, you and I conducted a routine inspection of the Croft Lake dam. I am enclosing a copy of my inspection report of the dam. The following deficiencies were noted:

- 1. There were some eroded areas on the emergency spillway.
- 2. There were small trees on the rear face of the dam. However, they were young trees and it was obvious the dam had been cut numerous times in the past.

Repairs should be made to the erosion areas of the spillway and the trees cut.

Should the dam experience difficulty, the appropriate emergency officials should be notified. The agencies listed in the emergency plan can provide assistance in determining what actions to take for protection of the public and downstream property.

If you have any questions, please call me at 864-596-3800.

Sincerely James West

James West

SC DHEC Region 2 Spartanburg EQC Office

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, Spartanburg EQC – District Engineer



and Environmental Control

Low Hazard Dam Classification Inspection Form for South Carolina Regulated Dams

Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

Note: This form is only for use on current low hazard (class three) dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The primary user of this form is for the use of Department staff members actively involved in reclassification inspections. The current policy is to evaluate the hazard potential of low hazard dams at least once every five years.

D	ate of Inspection: 16 Vil 8, 2013 SC Dam Inventory Number D 3383 County: Spartanhung
D	am Name: Lake Tom Moore Craig
	Dam Owner Information Has ownership changed?Yes
H.	Site Information
	A. Site Location (street address, nearest intersection, etc.): <u>Croff State Park</u> Road
	Latitude:°'_"N Longitude:°' "W Tax map # (list all): 3-3/-00-00/.0c
	B. Is there any evidence of new development below the dam?YesNo
	C. Do you think the hazard classification should be upgraded?YesNo
	D. If yes for item II.C, what is your opinion of what the new classification should be?Class 1 (High Hazard)
	Class 2 (Significant Hazard)Class 3 (Low Hazard)
III.	Signature Please print your name, sign, and date on the lines below once the inspection and form have been completed. If assistance with determining the hazard classification was obtaining from Bureau of Water staff members, they will also need to complete this portion of the form.
	Tames West Printed Name of Regional Inspector Signature Date of Signature
	Printed Name of BOW Engineer Signature Date of Signature



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

ROMOTE PROTECT PROSPER
Section I (Owner's Information)
A. Dam Number: D3382 & Hazard Class 2 B. Name of Dam: Cooff Lake
C. Inspection Date (11/8/20/3) & Time: 13:45 D. Date of Last Inspection: (11/10/20/4)
E. Location-County/City: Sptha I Spartanburg F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: SC Parks Recreation and Tourism
1. Contact Person (if different from above): John Moon, Park Super in tendam
J. Dam Owner's or Contact Person's Phone Numbers:
Office ()
K. Dam Owner's or Contact Person's mailing address:
Address 1 450 Croft State Park Rd
Address 2 (optional)
City Spartanburg, State SZ Zip Code 25302-
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair v c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest i. Vegetation (grass, trees weeds)?
ii. Animal activity observed? None
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest? \(\mathcal{N}_o \)
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

_	
	rass, trees weeds)? (Shass and Weeds
	ty observed? None
. Any obvious	alterations or repairs made?
	erved on upstream slope?
. Settlement o	r cracks visible in slope?
Down Stream Vegetation (g	ity observed? Dear path and a between 377de
•	s alterations or repairs made?
	erved on down stream slope?
	or cracks visible in slope?
	ge observed? If so, describe location, was Found
i. Is there an o	eterioration of structure? No obvious need to repair or replace trash rack? No
ii. Any noticea	able problems with debris?
iv. Is valve or	gate present?
E. Outlet Pipe I. Any water vi	isibly flowing or leaking outside of the discharge pipe?
ii. Describe ar	ny deflection or damage observed to the pipe: N_0
iii. Visible con	dition of outlet channel:
	mergency) Spillway
. Auxiliary (E i. Noticeable o	positional to the state of the
i. Noticeable o	vity observed? No
i. Noticeable o	

Auxiliary (Emerger). If applicable, an	observed exposure of ret	par reinforcement?	NA		
		A- milhumus	P		
i. If applicable, an	visible leakage below co	ncrete spillway?	e erraps	There	65
Standon	water and	lit is a	ways Pl	reseat but 1	400
Downstream/Ha Any noticeable c	zard Class Issues nanges immediately downs	ould be a stream of the dam t	nat affects the ha	azard classification?	NO
Not a	ware at a d	institica	tion to.	ritered	
	De /	ng a st.		ora de la compania del compania del compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania del compani	
Emergency Action Emergency Action	n Plan (EAP) n Plan provided by owner	? Yes		The state of the s	
. Does EAP contr	ins emergency alert notific	cation plan? If so, w	hen was it last u	pdated? Yes	(11/18
ii. Does EAP cont	ain specific actions to take	if the dam has faile	d or is near failu	re? <u>Ves</u>	
ection IV (Cor	clusions)				
	The Interest of the second				
General commer	ts and recommendations	s:			
General commer	ts and recommendations	s: Washing	into +	the riser	ppe
General commer	ts and recommendations	s: washing	into +	the riser	pipe
General commer	ts and recommendations	1 washing	into +	the riser	pipe
General commer	ts and recommendations	s: Washing the Emer	into to	the riser	pipe
General commer	The Interest of the second	si washing the Emer growing activity	into to	the riser	pipe
Coneral commer	ts and recommendations	washing the Emer growing activity	into to	the riser	pp
Coneral commer	ts and recommendations	s: 1 washing the Emer growing activity	into to gency 5/10 on the	the riser	p p
Coneral commer	ts and recommendations	si washing the Emer growing activity	into to	the riser	p po
General commer	ts and recommendations	si washing the Emer	into to	the riser	p pe
General commer	ts and recommendations	s: Washing the Smer growing activity	into to	the riser	Pipe
General commer	ts and recommendations	washing the Smer growing activity	into to	the riser dom	Pipe
General commer	ts and recommendations	si washing the Emer growing activity	into to	the riser	p pe
ection IV (Cor General commer Keep + Keep + Isatch	ts and recommendations nees From For beaver	washing the Emer	into to	the riser	Ppe
General commer	ts and recommendations	washing the Emer	into to	he riser	Pipe

Preliminary Dam Inspection Disclaimer:

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

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

October 5, 2015

Karen Allen Cherokee County Soil and Water Conservation District 1252 Overbrook Dr, Ste 1B Gaffney SC 29341

Re:

Reinspection of Dam D-3405,

Thicketty Creek WCD #20 Dam, Cherokee County

Dear Ms Allen:

On August 31, 2015 a routine reinspection of the Thicketty Creek WCD #20 Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- The dam needs to be mowed.

This dam is given an overall Satisfactory assessment. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW



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 3405 & Hazard Class C2	B. Name of Dam: Thicketty Creek WCD #20
C. Inspection Date (08 / 31 / 20 15) & Time: 11:30	D. Date of Last Inspection: (11/21/2012)
E. Location-County/City: Cherokee / Gaffney	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Cherokee County Soil and Water Conservation District	E
I. Contact Person (if different from above): Karen Allen	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864) 489 - 7150
K. Dam Owner's or Contact Person's mailing address:	Other ()
Address 1 1252 Overbrook Dr, Ste 1B	
Address 2 (optional)	
City Gaffney , State	SC Zip Code 29341 -
Section II (Dam Condition)	
General Condition Assessment (Select one of the follo	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	
ii. Animal activity observed? No	
iii. Any obvious alteration or repairs made? No	
iv. Erosion noticed on crest? No	
v. Any visible settlement, misalignment or cracks? No	
DHEC 2604 (Rev 11/2011)	

Upstream Slope i. Vegetation (grass, trees weeds)? Grass	
ii. Animal activity observed? No	
iii. Any obvious alterations or repairs made? №	
iv. Erosion observed on upstream slope? No	
v. Settlement or cracks visible in slope? No	
i. Vegetation (grass, trees weeds)? Grass	
ii. Animal activity observed? No	
iii. Any obvious alterations or repairs made? No	
iv. Erosion observed on down stream slope? No	
v. Settlement or cracks visible in slope? No	
vi. Toe drains flowing? Yes. One needs to be cleared of growth.	
i. Any visible deterioration of structure? No ii. Is there an obvious need to repair or replace trash rack? No	
II. Is there an obvious need to repair or replace trash rack?	
iii. Any noticeable problems with debris? No	
iv. Is valve or gate present? Yes	
	·
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe?	No
	No None
i. Any water visibly flowing or leaking outside of the discharge pipe?	
i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe: III. Any water visibly flowing or leaking outside of the discharge pipe?	
ii. Any water visibly flowing or leaking outside of the discharge pipe? iii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: OK Auxiliary (Emergency) Spillway	
ii. Any water visibly flowing or leaking outside of the discharge pipe? iii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: OK Auxiliary (Emergency) Spillway Noticeable obstructions to flow? No	None

v. II applicable, ally obse	rved exposure of rebar reinforcement?	
vi. If applicable, any visit	ole leakage below concrete spillway?	
H. Downstream/Hazard (i. Any noticeable change	Class Issues s immediately downstream of the dam that affects the hazard classification?	No
	ET.	
. Emergency Action Pla i. Emergency Action Pla	n (EAP) n provided by owner? On File	
ii. Does EAP contains er	nergency alert notification plan? If so, when was it last updated? Yes - 11/29/20	112
iii. Does EAP contain sp	ecific actions to take if the dam has failed or is near failure? Yes	
General comments and		
General comments and Dam condition OK.		
General comments 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.



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

October 5, 2015

Karen Allen Cherokee County Soil and Water Conservation District 1252 Overbrook Dr, Ste 1B Gaffney SC 29341

Re:

Reinspection of Dam D-3406,

Thicketty Creek WCD #19 Dam, Cherokee County

Dear Ms Allen:

On August 31, 2015 a routine reinspection of the Thicketty Creek WCD #19 Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- The dam needs to be mowed before brush and shrubs become a maintenance problem.

This dam is given an overall Fair assessment. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW



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 3406 & Hazard Class C2	B. Name of Dam: Thicketty Creek WCD #19
C. Inspection Date (<u>08/31/20</u> <u>15</u>) & Time: <u>12:30</u>	D. Date of Last Inspection: (11 /21 / 2012 _)
E. Location-County/City: Cherokee / Gaffney	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Cherokee County Soil and Water Conservation District	
I. Contact Person (if different from above): Karen Allen	
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864) 489 - 7150
<i>3</i> 7	Other ()
K. Dam Owner's or Contact Person's mailing address:	
Address 1 1252 Overbrook Dr, Ste 1B	
Address 2 (optional)	
City Gaffney State	e SC Zip Code 29341 -
Section II (Dam Condition)	
General Condition Assessment (Select one of the follo	owing):
a) Satisfactory b) Fair o) Poor	d) Unsatisfactorye) Not Rated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)? Grass	
ii. Animal activity observed? No	
iii. Any obvious alteration or repairs made? No	
iv. Erosion noticed on crest? №	
v. Any visible settlement, misalignment or cracks? No	
DHEC 2604 (Rev 11/2011)	

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? Grass - some small trees at the waterline. ii. Animal activity observed? iii. Any obvious alterations or repairs made? iv. Erosion observed on upstream slope? No v. Settlement or cracks visible in slope? No C. Down Stream Slope i. Vegetation (grass, trees weeds)? Grass, brush. Needs to be mowed. ii. Animal activity observed? No iii. Any obvious alterations or repairs made? iv. Erosion observed on down stream slope? v. Settlement or cracks visible in slope? No vi. Toe drains flowing? Yes vii. Any seepage observed? If so, describe location, No flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? Yes E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe: None iii. Visible condition of outlet channel: OK F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? No ii. Animal activity observed? iii. Any noticeable deterioration in the approach or discharge channel? iv. Any visible deterioration of structure's crest? No DHEC 2604 (Rev 11/2011)

/. If applicable, any observed exposure of reb	par reinforcement?
vi. If applicable, any visible leakage below co	ncrete spillway?
. Downstream/Hazard Class Issues i. Any noticeable changes immediately downs	stream of the dam that affects the hazard classification?
Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	? On file.
ii. Does EAP contains emergency alert notific	cation plan? If so, when was it last updated? Yes - 11/29/12
iii. Does EAP contain specific actions to take	if the dam has failed or is near failure? Yes
ection IV (Conclusions) General comments and recommendations	
General comments and recommendations	

Preliminary Dam Inspection Disclaimer:

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

October 5, 2015

Karen Allen Cherokee County Soil and Water Conservation District 1252 Overbrook Dr, Ste 1B Gaffney SC 29341

Re:

Reinspection of Dam D-3407,

Thicketty Creek WCD #18 Dam, Cherokee County

Dear Ms Allen:

On August 31, 2015 a routine reinspection of the Thicketty Creek WCD #18 Dam was performed. I am enclosing a copy of the inspection report. No notable deficiencies were noted.

This dam is given an overall Satisfactory assessment. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E.

Spartanburg EQC Office

Cc: David Graves – Dams and Reservoir Safety, BW



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 3407 & Hazard Class C2	B. Name of Dam: Thicketty Creek WCD #18
C. Inspection Date (08/31/20 15) & Time: 13:45	D. Date of Last Inspection: (11 / 21 / 2012 _)
E. Location-County/City: Cherokee / Gaffney	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Cherokee County Soil and Water Conservation Distr	rict
I. Contact Person (if different from above): Karen Allen	···
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office (864) 489 - 7150
	Other ()
K. Dam Owner's or Contact Person's mailing address:	91
Address 1 1252 Overbrook Dr, Ste 1B	
Address 2 (optional)	· · · · · · · · · · · · · · · · · · ·
City Gaffney , Sta	ate <u>SC</u> Zip Code <u>19341</u>
City Gaffney , Sta	ate <u>SC</u> Zip Code <u>19341</u>
Section II (Dam Condition)	ollowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fo	ollowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fo a) Satisfactory b) Fair c) Poor	ollowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fo a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	ollowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fo a) Satisfactory ✓ b) Fair	ollowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fo a) Satisfactory ✓ b) Fair	ollowing):

Section III (Dam Inspection Checklist) continued **B. Upstream Slope** i. Vegetation (grass, trees weeds)? Grass ii. Animal activity observed? iii. Any obvious alterations or repairs made? iv. Erosion observed on upstream slope? No v. Settlement or cracks visible in slope? No C. Down Stream Slope i. Vegetation (grass, trees weeds)? Grass ii. Animal activity observed? iii. Any obvious alterations or repairs made? No iv. Erosion observed on down stream slope? v. Settlement or cracks visible in slope? No vi. Toe drains flowing? Slight flow. vii. Any seepage observed? If so, describe location, No flow rate, and any turbidity or color within the flow: D. Primary Spillway i. Any visible deterioration of structure? ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? Yes E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? ii. Describe any deflection or damage observed to the pipe: None iii. Visible condition of outlet channel: Ok F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? None 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 v	isible leakage below conc	rete spillway?	
H. Downstream/Hazar i. Any noticeable char		eam of the dam that affects the hazard	classification? No
i. Emergency Action I	Plan (EAP) Plan provided by owner?	On file	
ii. Does EAP contains	emergency alert notificati	ion plan? If so, when was it last update	Yes - 11/29/2012
iii. Does EAP contain	specific actions to take if t	the dam has failed or is near failure?	Yes
General comments	usions) and recommendations: ory condition. Continue currer	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
General comments	and recommendations:	nt maintenance plan.	
	and recommendations:	nt maintenance plan.	

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South Carolina Department of Health and Environmental Control

December 16, 2013

Karen Allen Cherokee Soil and Water Conservation District 1252 Overbrook Drive, STE 1B Gaffney, SC 29341

Re: Inspection of Thicketty Creek WCD #25 Dam D-3408, Cherokee County

Dear Mrs. Allen:

As you will recall on December 10, 2013, SC DHEC conducted a routine inspection of the Thicketty Creek WCD #25 dam in Cherokee County. Your assistance during the inspection was much appreciated. I am enclosing a copy of the inspection report. Overall the condition of the dam is **Satisfactory**.

Logs or large limbs were seen around the outlet riser. A screen may be needed at the riser to keep these floating logs from becoming a blockage concern. Some erosion was observed in the basin below the outlet pipe. This erosion is at the end of the emergency spillway. Please stabilize this area to prevent further loss of land and sediment impacts to the creek. A hole was seen along the edge of the emergency spillway near the dam crest. It is on the backslope of the spillway. Please fill the hole and monitor it for any further settling.

An emergency notification plan was provided during the inspection. Should this dam experience difficulty the agencies listed on the emergency notification plan could provide assistance. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2

Spartanburg EQC Office

Cc:

John Poole, SC DHEC Bureau of Water - Dam Safety Program

Florence Hall, SC DHEC EQC Spartanburg

James West



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 3408 & Hazard Class 2 B. Name of Dam: Thicketty Creek #2
C. Inspection Date (/2//2/20 /3) & Time: //30 D. Date of Last Inspection: (/2/29/20)
E. Location-County/City Cherokeel Gaffney F. EQC Regional Office: Spartanburg
G. Inspector's Name: James West
H. Owner's Name: Charokee County Soil & Water
H. Owner's Name: <u>Charakee County Soil & Water</u> 1. Contact Person (if different from above): <u>Karen Allen</u> Conservation
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office (864) 489-7150
K. Dam Owner's or Contact Person's mailing address:
Address 1 1252 Overbrook Drive, STE 18
Address 2 (optional)
City Gaffney , State SC Zip Code 2 3341
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)?
ii. Animal activity observed?
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHFC 2604 (Pay 11/2011)

Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed on down stream slope? Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spithway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Alog flowing against Coutlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: None	In also are Slone	ist) continued
Any obvious alterations or repairs made? Erosion observed on upstream slope? Settlement or cracks visible in slope? Own Stream Slope Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed on down stream slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spillway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Any noticeable problems with debris? Alog flowing against Lis valve or gate present? Posscribe any deflection or damage observed to the pipe: None Describe any deflection or damage observed to the pipe: None	Vegetation (grass, trees weeds)?	
Any obvious alterations or repairs made? Erosion observed on upstream slope? Settlement or cracks visible in slope? Own Stream Slope Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed on down stream slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spillway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Any noticeable problems with debris? Also for a fixe of the Alson Country of the A		DARE
Erosion observed on upstream slope? Settlement or cracks visible in slope? Own Stream Slope Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed on down stream slope? Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spiltway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? A screen may be a log sout of the riser. Any noticeable problems with debris? A log flowing against Lis valve or gate present? Pout Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Describe any deflection or damage observed to the pipe: Describe any deflection or damage observed to the pipe:		o? N6
Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spiliway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Alog floating against Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Done		No
Any obvious alterations or repairs made? Erosion observed on down stream slope? Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spillway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? A screen may be A see Led to keep logs out of the riser Any noticeable problems with debris? Is valve or gate present? Primary Spillway Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: **Document of the pipe of	1 2 2	
Erosion observed on down stream slope? Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spillway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? Any noticeable problems with debris? Is valve or gate present? Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: None	Down Stream Slope Vegetation (grass, trees weeds)?	Grass
Settlement or cracks visible in slope? Toe drains flowing? Any seepage observed? If so, describe location, we rate, and any turbidity or color within the flow: Primary Spiliway Any visible deterioration of structure? Is there an obvious need to repair or replace trash rack? Any noticeable problems with debris? A log floating against The riser Outlet Pipe Any water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: None		
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F. Auxiliary (Emergency) Spillway continued v. If applicable, any observed exposure of rebar reinforcement? w. If applicable, any visible leakage below concrete spillway? M. A H. Downstream/Hazard Class Issues i. Any noticeable changes immediately downstream of the dam that affects the hazard classification? No ii. Emergency Action Plan (EAP) i. Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner? iii. Does EAP contains emergency alent notification plan? If so, when was it last updated?		
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South Carolina Department of Health and Environmental Control

December 31, 2013

Mrs. Lori Gaffney 147 Wilkie Road Gaffney, SC 29340

Re: Inspection of Dam D-3414, Old Childers Pond, Cherokee County

Mr. Ray:

On December 17, 2013, SC DHEC conducted a routine inspection of your dam located near Gaffney. The dam is in **poor** condition. I am enclosing a copy of the inspection report of the dam.

The primary outlet pipe was discharging at less than 50% capacity. A greater amount of water was exiting the emergency spillway. Beaver activity was evident on the dam, in the emergency spillway and near the outlet pipe. As you well know, beavers can clog the primary outlet pipe and the emergency spillway. Additionally a hole was found on the upslope of the dam near the pipe. This hole should be filled and monitored. The downstream slope is undulating and has a large cavity. Monitor this slope for seepage and further settling / weathering.

Although trees have been cut in the past, numerous trees were observed on both slopes and the dam crest. Trees can become a serious problem for dams; including providing a pathway for water seepage through the dike. We recommend removal of all trees less than 6".

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties. Contact Florence Hall or myself when the corrections have been made. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

Janes West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, Spartanburg EQC – District Engineer



DHEC 2604 (Rev 11/2011)

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: D3414 & Hazard Class 2 B. Name of Dam: D12 Ch: Idens Pand C. Inspection Date (/2//2/20 / 3) & Time: //(20 D. Date of Last Inspection: (/2/29/20 (0)) E. Location-County/City: Cherokee 1 Gaffrey F. EQC Regional Office: Spartanbung G. Inspector's Name: James West H. Owner's Name: Loni GaFIney I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: Home (___)__-Office (864) 490 - 1411 Other (_ __) ___-K. Dam Owner's or Contact Person's mailing address: Address 1 147 Wilkie Rd 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)? _______ and frees ii. Animal activity observed? Beavers (slide + chewing) iii. Any obvious alteration or repairs made? iv. Erosion noticed on crest? v. Any visible settlement, misalignment or cracks?

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Weeds and trees
ii. Animal activity observed? Beaver (slide, chewing + hole)
iii. Any obvious alterations or repairs made?
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope? <u>Yes - hale likely associated</u> with the beavers near princip pipe to a tree C. Down Stream Slope
i. Vegetation (grass, trees weeds)? 6 rass, weeds and
ii. Animal activity observed? Beaver (slide & chewing)
iii. Any obvious alterations or repairs made?
iv. Erosion observed on down stream slope?
v. Settlement or cracks visible in slope? And ans 'X6' depression vi. Toe drains flowing? Nome found
vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: The cold clesk charethe 60' from point drain)
i. Is there an obvious need to repair or replace trash rack?
iii. Any noticeable problems with debris? No but beaver activity is
iv. Is valve or gate present? ves - for steel pipe (pond drain) Not the primary
i. Any water visibly flowing or leaking outside of the discharge pipe? No. No.
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel: Channel is on a rock bed
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow?
ii. Animal activity observed? Ves See(i)
iii. Any noticeable deterioration in the approach or discharge channel?
iv. Any visible deterioration of structure's crest?
DHEC 2604 (Rev 11/2011)

F. Auxiliary (Emergency) Spillway continued
v. If applicable, any observed exposure of rebar reinforcement?
vi. If applicable, any visible leakage below concrete spillway?
H. Downstream/Hazard Class Issues
i. Any noticeable changes immediately downstream of the dam that affects the hazard classification?
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?/ 5 9
iii. Does EAP contain specific actions to take if the dam has failed or is near failure?
Section IV (Conclusions)
General comments and recommendations:
Primary drain pipe is tunctioning at abou
25% corpority, Most of the water is still
going over the Emergency Spillerey, No crosion
observed in either channel this time both
Channels have been cut to rock. The down
Stream slope has a lot of undulation (old eros,
channels and a large depression. This should
be monitored for seepage. No seepage was
detected. Beaver have been removed but more
needs to be done. Watch closely For the building
of a lodge in the dam. A hole was observed
the unstream dam face year the pipe Continue
to cut the trees.
liminary Dam Inspection Disclaimer:
nformation contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenan
or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or consulties for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the
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C 2604 (Rev 11/2011)



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

August 19, 2015

Mr. Hans Theiler PO Box 5369 Spartanburg SC 29304

Re:

Cc:

Reinspection of Dam D-3424,

Theiler Lake Dam, Cherokee County

Dear Mr. Theiler:

On June 25, 2015 a routine reinspection of the Theiler Lake Dam was performed. I am enclosing a copy of the inspection report. The following deficiencies were noted:

- -The dam needs to be cleared of brush and trees smaller than 4 inches in diameter. Once the dam is cleared, an assessment should be made by a Professional Engineer to determine the status of the dam. The assessment should include a tree removal plan for trees larger than 4 inches in diameter.
- -The enclosed Emergency Action Plan form should be completed and submitted to this office for our file.
- -The riser pipe is in need of repair; particularly if the reservoir level is to be raised back to normal pool. The pond currently is about 8 ft below the lip of the riser.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter. Please feel free to call (864-596-3800) if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E.

Spartanburg EQC Office



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 3424 & Hazard Class c2	B. Name of Dam: Theiler Lake Dam
C. Inspection Date (06/25/20 15) & Time: 12:00	D. Date of Last Inspection: (12 / 04 / 2009 _)
E. Location-County/City: Cherokee / Pacolet	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: Hans Theiler	relicionator of the location
. Contact Person (if different from above):	yang Sangang Ang ang ang ang
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
	Other ()
K. Dam Owner's or Contact Person's mailing address:	
K. Dam Owner's or Contact Person's mailing address. Address 1 PO Box 5369	
Address 1 PO Box 5369 Address 2 (optional)	
Address 1 PO Box 5369 Address 2 (optional)	ate SC Zip Code 29304 -
Address 1 PO Box 5369 Address 2 (optional)	ate <u>SC</u> Zip Code <u>29304</u> -
Address 1 PO Box 5369 Address 2 (optional)	ate <u>SC</u> Zip Code <u>29304</u> -
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Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta Section II (Dam Condition) General Condition Assessment (Select one of the fo	ollowing):
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Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta Section II (Dam Condition) General Condition Assessment (Select one of the fo	ollowing):
Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta 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	ollowing):
Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta Section II (Dam Condition) General Condition Assessment (Select one of the form a) Satisfactory b) Fair C c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds	ollowing):
Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta 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 and weeds ii. Animal activity observed? No	ollowing):
Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta Section II (Dam Condition) General Condition Assessment (Select one of the form a) Satisfactory b) Fair C c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grass and weeds	ollowing):
Address 1 PO Box 5369 Address 2 (optional) City Spartanburg Sta 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 and weeds ii. Animal activity observed? No	ollowing):

Section III (Dam Inspection Checklist) continued
B. Upstream Slope i. Vegetation (grass, trees weeds)? Brush and small trees; rip-rap at water line.
ii. Animal activity observed? No
iii. Any obvious alterations or repairs made? No
iv. Erosion observed on upstream slope? No
v. Settlement or cracks visible in slope? No
C. Down Stream Slope i. Vegetation (grass, trees weeds)? Brush and small trees.
ii. Animal activity observed? No
iii. Any obvious alterations or repairs made? No
iv. Erosion observed on down stream slope? №
v. Settlement or cracks visible in slope? No
vi. Toe drains flowing? No toe drains.
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? Yes, spillway riser is rusted and misaligned.
ii. Is there an obvious need to repair or replace trash rack? Yes - trash rack is rusted out.
iii. Any noticeable problems with debris? No - water level is well below outlet lip.
iv. Is valve or gate present? No valve is visible.
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? No
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel: No
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Need to clear brush from the emergency spillway approach on upstream side.
ii. Animal activity observed? No
iii. Any noticeable deterioration in the approach or discharge channel? No
iv. Any visible deterioration of structure's crest?
IFC 2604 (Rev 11/2011)

	ved exposure of rebar reinforcement?	- 5
vi. If applicable, any visible	e leakage below concrete spillway?	awstb
H. Downstream/Hazard C i. Any noticeable changes	ass Issues immediately downstream of the dam that affects the hazard classification	1? _
. Emergency Action Plan i. Emergency Action Plan	(EAP) provided by owner? Needs updating.	14 E
ii. Does EAP contains em	ergency alert notification plan? If so, when was it last updated?	
iii. Does EAP contain spe	cific actions to take if the dam has failed or is near failure?	
Section IV (Conclusion General comments and	recommendations:	
General comments and Pond is at partial pool, water le	and for the state of the state	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som
General comments and Pond is at partial pool, water le	recommendations: vel is approx. 8 ft below riser pipe outlet, but water is flowing thru the outlet structure fr	om som

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.

S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL CUNTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

DAM, D .				County	
AS CA	IWNER	□ MANAGER		OPERATOR	(Please Check One)
Of the above reference the above dam and re following Emergency	servoir and are I	n(s) named below are re responsible for implemen	spansible for ting the follo	safe maintena wing Surveillan	nce and operation of ice Plan and the
<u>Surveillane Plan</u>					
and downstream fron The Dams and Reserv above symptoms are EMERGENCY NOTIFICA	n the toe, will be noirs Safety Distr found. TION PLAN lood or hurrican	arth movement. Evidenc nonitored to detect any i ict Engineer, Greg Harrin e is forecast, the dam wil	ncrease in flo gton at 803- l be monitore	ow or movemer 285-7461 will b ed, and if the da	nt of soil particles. The notified if any of the The notified if any of the
officials will be notifie	ed and the dam wi	ill be kept under constan	surveillance	until the prop	iowing state and local er authorities arrive
officials will be notifie to protect the genera	d and the dam will public.	il be kept under constant	surveillance	until the prop	iowing state and local er authorities arrive
officials will be notifie to protect the genera	d and the dam wi I public. hway Patrol	ill be kept under constant	surveillance	until the prop	iowing state and local er authorities arrive
officials will be notifie to protect the genera South Carolina Hig Local Highway Mair	ed and the dam wi I public. hway Patrol ntenance Engineer	ill be kept under constant	surveillance		iowing state and local er authorities arrive
officials will be notifie to protect the genera South Carolina Hig Local Highway Main Local Police Depar	ed and the dam wi I public. hway Patrol ntenance Engineer	il be kept under constant	surveillance		iowing state and local er authorities arrive
officials will be notifie to protect the genera South Carolina Hig Local Highway Main Local Police Departown officials	ed and the dam will public. hway Patrol ntenance Engineer tment, Emergency P	ill be kept under constant	surveillance		er authorities arrive
officials will be notified to protect the general South Carolina High Local Highway Mair Local Police Department of S.C. Department of Additionally, the dam space is provided for C. Dams and Reservo	ed and the dam will public. hway Patrol tenance Engineer tment, Emergency P Health and Environ owner or his rep the dam owner of irs Safety Act Re e for implementin	ill be kept under constant reparedness personnel, and mental Control, Columbia, SC resentative will notify the pr his representative to c	other county of	wntil the proportion of the pr	perty owners. (This onsibility under the S.

DHEC 2606 (10/08)

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

Stephen L. Whitesides, PE CDM 5400 Glenwood Ave, Suite 300 Raleigh, NC 27612 (919)325-3556

Schnabel Engineering 104 Corporate Blvd Suite 410 W. Columbia, SC 29169 (803) 796-6240

William A. Timmons, PE 16-C North Brooks St PO Box 927 Manning, SC (803) 435-2647

Hass & Hildebrand, Inc. 33 Greenville St SW P. O. Box 3276 Aiken, SC 29802 (803)649-1316

H. Grady Adkins, Jr., P.E. Southeast Regional Office Paul C. Rizzo Associates, Inc. 101 Westpark Boulevard, Suite B Columbia, SC 29210 (803) 750-9773 x 12 FAX (803) 750-9116

Dan Creed, P.E. Heritage Engineering, Inc. 10719 Wilson Blvd. Blythewood, SC 29016 (803) 714-9632

the firm is not qualified to do design work on dams.

Law Engineering & Envir. Svcs 720 Gracern Road Columbia, SC 29201 (803)798-1200

Howard Leonard, P.E. Peritus Civil 18 Pimlico Court P. O. Box 16146 Greenville, SC 29607 (864) 288-5312

Pat Gambill WK Dickson & Co, Inc. 1001 Pinnacle Pt Dr, Suite 110 Columbia, SC 29223 Office (803) 786-4261

Piedmont Olsen Hensley 420 Park Avenue P. O. Box 1717 Greenville, SC 29602 (864)242-1717

Chao and Assoc., Inc. 3936 Sunset Boulevard West Columbia, SC 29169 (803) 791-8420

Gene Dobbins (Thomas Eugene Dobbins) 200 E Camperdown Way Suite 200 B Greenville, SC 864-467-0811

William C.Cooper, P.E. Consulting Engineer 1713-B Woodcreek Farms Road Elgin, SC 29045 (803)699-7728

Note: This list is furnished as a courtesy only. Firms listed here have successfully designed new or repair projects for dams. The inclusion of any firm on this list is not an endorsement of that firm. Likewise, failure to include any firm on this list does not mean

Matrix Engineering 912 South Pine Street Spartanburg, SC 29302 (864) 583-6274

Don Worley, P.E.

S&ME 301 Zima Park Drive Spartanburg, SC 29301 (864) 574-2360



South Carolina Department of Health and Environmental Control

November 14, 2013

Oak Creek Plantation Lake Owners Association P.O. Box 34 Spartanburg, SC 29304

Re: Inspection of Dam D-3977, Spartanburg County

Dear Sirs:

On October 24, 2013, SC DHEC conducted a routine inspection of your dam located off Country Club Road. The dam received an overall rating of **fair**. I am enclosing a copy of the inspection report for the dam.

Please note more water was flowing over the emergency spillway than through the outlet pipe. Less than 10 % of the pipe's capacity was being utilized even though the entire primary outlet structure was submerged. This would imply the pipe is clogged. Were it not for this issue the dam would be in satisfactory condition.

We do not have an up to date copy of your emergency alert notification plan on file. Please complete the attached form and return it to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

Laws West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



DHEC 2604 (Rev 11/2011)

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 3977 & Hazard Class 2 B. Name of Dam: Oak Creek Plantation C. Inspection Date (1/3/29/20 23) & Time: 1400 D. Date of Last Inspection: ((1/3/20/0) E. Location-County/City: Spt by 1 Spartauburg F. EQC Regional Office: Spartauburg G. Inspector's Name: Tames West H. Owner's Name: Oak Creek Plantation Lakeowners Assoc 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 2 (optional) City Spartanburg. State 5 C Zip Code 29304 Section II (Dam Condition) General Condition Assessment (Select one of the following): c) Poor d) Unsatisfactory e) Not Rated a) Satisfactory b) Fair 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?

	ion Checklist) continued
Upstream Slope Vegetation (grass, trees we	eeds)? 6 rass
	None
*	r repairs made?
	ream slope?
	le in slope? &
Down Stream Slope Vegetation (grass, trees w	veeds)? Grass
. Animal activity observed?	None
•	or repairs made? No
	vn stream slope?
	ole in slope?
	None Found
low rate, and any turbidity o	or color within the flow:
. Any visible deterioration o	of structure?
ii. Is there an obvious need	to repair or replace trash rack?
i. Any visible deterioration o	
. Any visible deterioration of the control of the c	to repair or replace trash rack? S with debris?
. Any visible deterioration of the control of the c	to repair or replace trash rack? S with debris?
ii. Is there an obvious need iii. Any noticeable problems iv. Is valve or gate present? Coutlet Pipe i. Any water visibly flowing iii. Describe any deflection of	to repair or replace trash rack? So with debris? So with debris? O B O Color of the discharge pipe? O Color of the discharge pipe?
ii. Is there an obvious need iii. Is there an obvious need iii. Any noticeable problems iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection of outle	to repair or replace trash rack? Was Was
. Any visible deterioration of it. Is there an obvious need iii. Any noticeable problems iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection of outlet. E. Auxiliary (Emergency) S	to repair or replace trash rack? Swith debris? We s or leaking outside of the discharge pipe? or damage observed to the pipe: Wone et channel: Rin rapped braken concre profecting the banks Spillway of flow?
i. Is there an obvious need ii. Is there an obvious need iii. Any noticeable problems iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection of iii. Visible condition of outle ii. Auxiliary (Emergency) S i. Noticeable obstructions to iii. Animal activity observed	to repair or replace trash rack? So with debris? We so or leaking outside of the discharge pipe? or damage observed to the pipe: One et channel: Rip rapped braken concre Spillway or flow? None 17 None
ii. Is there an obvious need iii. Is there an obvious need iii. Any noticeable problems iv. Is valve or gate present? E. Outlet Pipe i. Any water visibly flowing ii. Describe any deflection of iii. Visible condition of outle F. Auxiliary (Emergency) S i. Noticeable obstructions to ii. Animal activity observed	to repair or replace trash rack? Swith debris?

# -	any observed exposure of rebar reinforcement? None on concrete
but	broken concrete in channel below has exposed reb
vi. If applicable	e, any visible leakage below concrete spillway?
92	
H. Downstream	n/Hazard Class Issues le changes immediately downstream of the dam that affects the hazard classification?
i. Any nouceab	Changes immediately downstream of the dam that all the second of the seco
TRUE L	
- Emanual A	Action Plan (EAP)
i. Emergency A	Action Plan provided by owner? Yes but it is out of day
	contains emergency alert notification plan? If so, when was it last updated?
iii. Does FAP	contain specific actions to take if the dam has failed or is near failure?
	and the second of the second o
Cooling Drie	Conclusions)
section IV (C	Conclusions)
Oama	ments and recommendations:
General com	
TA	le outlet sipe is flowing at
1000	than 10% capacity yet the Energe
<u>/ ES.) </u>	
Over	Flow is flowing obviously thereis
a blo	ekage in the pipe. Open up the pipe.
Tho	Take bottom was dredged in
EL	
repru	cony 2012.
THAT I TO	
1100	
	17 (4) 2
	A 600 00 1 10 00 1
	James West

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

February 5, 2015

David M. Julian 340 Mill Gin Road Campobello, SC 29322

Re: J.E. Nodine Dam D-4031, Spartanburg County

Dear Mr. Julian:

On January 30, 2015, SC DHEC personnel Florence Hall and myself conducted a re-evaluation of your dam's elevation and overall pond size. Your presence during the site visit was most helpful. This re-evaluation was conducted based upon your request letter dated January 9, 2015.

According to our records, the J.E. Nodine Dam has been on the SC inventory of dams since at least 1990. In your letter you stated you did not believe the dam to be 25 feet above the creek bed. Mrs. Hall and I shot the elevation change from the creek bed to the top of the dam and found it to be 22'6". In addition we observed the pond to be less than 25 acre-feet of water storage.

The **Dams and Reservoirs Safety Act** regulations, **SC Code of Regulations Chapter 72**, at 72-2 Dam Classifications and Exemptions, D. Exemptions states: "The following types of dams are exempt from the Dams and Reservoirs Safety Act and the regulations pertaining thereto:any dam which is or shall be less than twenty-five feet in height from the natural bed of the stream ...to the maximum water storage elevation and has or shall have an impounding capacity at maximum water storage elevation of less than fifty acre-feet."

Therefore SC DHEC concurs with your assessment and removes this dam from our inspection list. A copy of the "Certificate of Exemption from the S.C. Dams and Reservoirs Safety Act" is attached. If you have any questions or we can be of further assistance, please call me at (864) 596-3800.

Sincerely,

James West

SC DHEC Upstate Region - Spartanburg EQC Office

ames West

Cc: John Poole, SC DHEC Bureau of Water – Dam Safety Engineer

Florence Hall, SC DHEC EQC Spartanburg



Certificate of Exemption from the S.C. Dams and Reservoirs Safety Act

Pursuant to the South Carolina Dams and Reservoir Safety Act (S.C. Code of Laws, Section 49-11-110), it has been determined that the construction of the proposed impoundment or water control structure or the restoration of the existing impoundment or water control structure located at:

(1) J. E. No dine Dana D-4031 (also attach a topographic or comparable location map pinpointing impoundment)
340 Mill Gin Rd Campobello 29322
and owned by: (2) January Julian
is exempt from the Dams and Reservoir Safety Act.
Only 22.6" high. Shot on Jan. 30, 2015 by James West and Florence Hall. It has further been determined that this impoundment or water control structure is for the
It has further been determined that this impoundment or water control structure is for the purpose(s) of:
(3) pecreation
(irrigation, water supply, sediment control, erosion control, aquaculture, wildlife management, or other – specify, if other)
Signed: (4) James West Spartan burg EQC Name and Title: (5) James West, EHM - Nam Inspector Regional Inspector, Environmental Quality Control (EQC);
Spartan buro EQC
Name and Title: (5) James West, EHM - Dam Inspector
Regional Inspector, Environmental Quality Control (EQC); District Conservationist, NRCS – Soil Cons. Serv.
or Dam Safety Engineer, SCDHEC]
Regional EQC or NRCS Watershed Office: (6) Florent All
Date: (7) 2-5-15
*This Certificate of Exemption does not relieve the owner from compliance with other federal, state, or local laws, permitting procedures or requirements.

Certificate of Exemption from the S.C. Dams and Reservoirs Safety Act – DHEC 2601 R.72-1 through R.72-9

INSTRUCTIONS

Purpose: To provide proof of exemption to owners of a dam, which in the judgment of the Department, because of its size and location could pose no significant threat of danger to downstream life or property.

Who will complete the form: Dam Safety Engineers with the Bureau of Water, Regional EQC office engineers and inspectors, and NRCS District Conversationalist engaged in the activities of promulgating S.C. Code of Laws, Section 49-11-110.

- Line 1: Enter the street address, if available, and county tax map number of the parcel of land on which the dam or water control structure is located. In addition to the information listed, attach a topographic or comparable location map that pinpoints the location of the structure.
- <u>Line 2:</u> Enter the legal name of the dam's owner. If the owner is a company or other organization, list the contact persons name in addition to the organization.
- <u>Line 3:</u> List the purpose of the proposed or existing water control structure. Several uses have been listed on the face of this form.
- <u>Line 4:</u> The signature of the DHEC or NRCS employee verifying the exempt status of the dam needs to be placed on this line.
- <u>Line 5:</u> Print the name and title of the DHEC or NRCS employee verifying the exempt status of the dam or impoundment structure on this line.
- <u>Line 6:</u> Enter the name of the SC DHEC Regional EQC or NRCS Watershed office that covers the where the dam is located.
- Line 7: Enter the date on which the certificate of exemption is signed.

Office Mechanisms and filing: The form must be sent to the Dam's owner(s) and filed with the Bureau of Water, Dams and Reservoir Safety Program, before the end of the following month after the signature date on the form. The certificate report will be filed in the Bureau of Water's file room and will be retained for at least three years.

DHEC 2601 (01/2012)



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

May 26, 2015

James Ness 324 Webber Rd Cowpens SC 29330

Re: Reinspection of Dam D-4325, Sunny Slopes Farms Dam, Cherokee County

Dear Mr. Ness:

On April 27, 2015, I conducted a routine reinspection of the Sunny Slopes Farms Dam. I am enclosing a copy of my inspection report on the dam. The following deficiencies were noted:

-The dam needs to be cleared of brush and trees smaller than 4 inches in diameter.

- An emergency plan should be developed for the dam. I am enclosing a copy of DHEC Form 2606. Please complete and return this form to this office.

This dam is given an overall Fair assessment. Please complete the requested items and submit to this office within 90 days of date of this letter.

Please feel free to contact me at 864-596-3800 if I can be of any assistance.

Sincerely,

Mark Cann, Sr., P.E. Spartanburg EQC Office

cc: John Poole, P.E. – Dams and Reservoir Safety, BW



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 4325 & Hazard Class c2	B. Name of Dam: Sunny Slopes Farm Dam
C. Inspection Date (04/27/20 15) & Time: 11:45	D. Date of Last Inspection: (11 /02 / 2012
E. Location-County/City: Cherokee / Cowpens	F. EQC Regional Office: Spartanburg
G. Inspector's Name: Mark Cann	
H. Owner's Name: James Ness	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers:	Home (864_) 490 1293
	Office ()
K. Dam Owner's or Contact Person's mailing address:	Other (864_) 490 2209_
Address 1 324 Webber Rd	
Address 2 (optional)	
	te SC Zip Code 29330 -
City <u>Cowpens</u> , Sta	te_SC Zip Code_29330
City Cowpens , Sta	te SC Zip Code 29330 - lowing):
City Cowpens Sta	te_SC Zip Code 29330
City Cowpens , Sta	te_SC Zip Code 29330
Section II (Dam Condition) General Condition Assessment (Select one of the fol a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest	te_SC Zip Code_29330lowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fol a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grasse, OK	te_SC Zip Code_29330lowing):
Section II (Dam Condition) General Condition Assessment (Select one of the fol a) Satisfactory b) Fair c) Poor Section III (Dam Inspection Checklist) A. Dam Crest i. Vegetation (grass, trees weeds)? Grasse, OK ii. Animal activity observed? No	te_SC Zip Code_29330lowing):

	A STATE OF THE STA
ii.	Animal activity observed? No
iii.	Any obvious alterations or repairs made? №
iv.	Erosion observed on upstream slope? №
v. S	Settlement or cracks visible in slope? No
	own Stream Slope /egetation (grass, trees weeds)? Overgrown with trees and brush.
ii. A	Animal activity observed? No
iii.	Any obvious alterations or repairs made? No
iv. E	Erosion observed on down stream slope? No
v. S	Settlement or cracks visible in slope? No
vi. 7	Foe drains flowing? No toe drains.
IIOVI	rate, and any turbidity or color within the flow:
	imary Spillway ny visible deterioration of structure? No
i. Ar	imary Spillway
i. Ar ii. Is	imary Spillway ny visible deterioration of structure? No
i. Ar ii. Is iii. A	imary Spillway ny visible deterioration of structure? there an obvious need to repair or replace trash rack? No
i. Ar ii. Is iii. A iv. Is	imary Spillway ny visible deterioration of structure? there an obvious need to repair or replace trash rack? No ny noticeable problems with debris? No
ii. Ar iii. Is iii. A	imary Spillway ny visible deterioration of structure? there an obvious need to repair or replace trash rack? ny noticeable problems with debris? s valve or gate present? Not visible. utlet Pipe
ii. Ar iii. Is iiv. Is iv. Is ii. Or	imary Spillway ny visible deterioration of structure? No there an obvious need to repair or replace trash rack? No any noticeable problems with debris? No s valve or gate present? Not visible. utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No
ii. Ar iii. Is iiv. Is iv. Is ii. Ar	imary Spillway ny visible deterioration of structure? there an obvious need to repair or replace trash rack? no in y noticeable problems with debris? No s valve or gate present? Not visible. Interest visibly flowing or leaking outside of the discharge pipe? No escribe any deflection or damage observed to the pipe: Ok
i. Ar ii. Is iii. A iii. A iii. O iii. V	imary Spillway ny visible deterioration of structure? No there an obvious need to repair or replace trash rack? No any noticeable problems with debris? No s valve or gate present? Not visible. Lutlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No escribe any deflection or damage observed to the pipe: Ok isible condition of outlet channel: Ok
ii. Ar iii. Is iii. A iii. A iii. A iii. A iii. A Au iii. V	imary Spillway ny visible deterioration of structure? No there an obvious need to repair or replace trash rack? No any noticeable problems with debris? No s valve or gate present? Not visible. utlet Pipe ny water visibly flowing or leaking outside of the discharge pipe? No escribe any deflection or damage observed to the pipe: Ok isible condition of outlet channel: Ok xiliary (Emergency) Spillway ticeable obstructions to flow? Vegetation and brush growing in the spillway.

v. If applicable, an	observed exposure or i		nt'? N/A		
vi. If applicable, ar	y visible leakage below o	concrete spillway	N/A		
H. Downstream/Ha i. Any noticeable o	zard Class Issues nanges immediately dow	nstream of the da	m that affects the	e hazard classification	? _
I. Emergency Action	n Plan (EAP) n Plan provided by owne	er? Need update	ed EAP.		
ii. Does EAP conta	ins emergency alert noti	fication plan? If so	o, when was it las	st updated?	
iii. Does EAP cont	ain specific actions to tak	ke if the dam has	ailed or is near fa	ailure?	
General commen	s and recommendation		iameter		· · · · · ·
General commen			iameter.		
General commen	s and recommendation		iameter.		
General commen	s and recommendation		iameter.		
General commen	s and recommendation		iameter.	q	
General commen	s and recommendation		iameter.		
General commen	s and recommendation		iameter.		
General commen	s and recommendation		iameter.		
-Dam needs to be clea	s and recommendation		iameter.		

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S. C. DEPARTMENT OF HEALTH AND ENVIRTONMENTAL CONTROL DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

DAM, D .			County				
AS	DWNER		MANAGER		OPERATOR	(Please Check One)	
the	the above reference dam above dam and reservoi owing Emergency Notific	r and are responsi	-			•	
<u>SUI</u>	RVEILLANE PLAN						
as s and The	ual inspections will be pe settlement, erosion, crac downstream from the to Dams and Reservoirs Si ve symptoms are found.	king and earth mov ne, will be monitore	rement. Evidence of d to detect any incre	seepage (ease in flo	on the downstre w or movement	eam slope, at the toe t of soil particles.	
EME	RGENCY NOTIFICATION P	<u>LAN</u>					
dan offi	he event a major flood or ger from overtopping or cials will be notified and t rotect the general public	if failure appears i he dam will be kept	mminent because of	other pr	oblems, the follo	wing state and local	
1. 2.	South Carolina Highway Pa						
<u>2. </u>	Local Highway Maintenance						
3.	Local Police Department, E town officials	mergency Preparedne	ss personnel, and othe	r county or	**********		
4.	S.C. Department of Health	and Environmental Con	trol, Columbia, SC				
spa C. D	itionally, the dam owner ce is provided for the dan ams and Reservoirs Safa son(s) responsible for in NAME:	n owner or his rep ety Act Regulations.	resentative to comp)	lete, as th	is is his respon tification Plan:		
L							

DHEC 2606 (10/08)



South Carolina Department of Health and Environmental Control

December 10, 2013

Angela Mathis P.O. Box 36 Cowpens, SC 29330

Re: Inspection of Dam D-4343, Spartanburg County

Dear Mrs. Mathis:

On December 02, 2013, SC DHEC conducted a routine inspection of your dam located at 4813 Cannons Campground Road. Your dam received a **Fair** rating. I am enclosing a copy of the inspection report of the dam.

As noted in previous reports, trees with diameters of less than 6 inches should be removed. Any trees on the structure that have a diameter greater than 6 inches should not be removed at this time. Please note that this continued tree growth on the dam compromises the integrity of the structure.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260 and subsequent penalties.

We do not have an updated copy of your emergency alert notification plan on file. Please complete the notification plan sheets enclosed and return one to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance in doing this.

If you have any questions, please call me at 864-596-3800.

Sincerely

James West

SC DHEC Region 2 Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, Spartanburg EQC – District Engineer

Section III (Dam Inspection Checklist) continued
i. Vegetation (grass, trees weeds)? Gross weeds trees
ii. Animal activity observed? Be overs cheming on the trees
iii. Any obvious alterations or repairs made?/U o
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope?
i. Vegetation (grass, trees weeds)?
ii. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on down stream slope?
v. Settlement or cracks visible in slope?
vi. Toe drains flowing? None Found
i. Is there an obvious need to repair or replace trash rack? None Found Wone Found
iii. Any noticeable problems with debris?
iv. Is valve or gate present?
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? **Note: The control of the discharge pipe? **Note: The control of the discharge pipe. **Note: The control of t
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel: Good until itreaches
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Yes - small trees
ii. Animal activity observed?
iii. Any noticeable deterioration in the approach or discharge channel? None on approach of the change iv. Any visible deterioration of structure's crest?
C 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)	inly o
A. Dam Number: D4343 & Hazard Class 2 B. Name of Dam: Chris Grant	Dan
C. Inspection Date (1/102120 1.3) & Time: 14/30 D. Date of Last Inspection: (1/1/1/2010)	
E. Location-County/City: Coupers 1 Spartanburg F. EQC Regional Office: Spartanburg	i e
G. Inspector's Name: James West	
H. Owner's Name:	
I. Contact Person (if different from above): Anyela Mathis	
J. Darn Owner's or Contact Person's Phone Numbers: Home (264) 463 - 955	7
Office ()	
K. Dam Owner's or Contact Person's mailing address:	
Address 1 1.0.30x 36	
Address 2 (optional) 48/3 Courons Congaground Rd	
10.52 1 1 10.04 M / J. J. J.	
City	
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)? 6 russ weed pine straw	_
ii. Animal activity observed? Recover (see up 5/upe)	_
iii. Any obvious alteration or repairs made? // \(\sigma\)	
iv. Erosion noticed on crest?	_
v. Any visible settlement, misalignment or cracks?	-
Very tage to the second	- A
DHFC 2604 (Rev 11/2011)	

2 10 11 11 1 11 1 1 1 1 1 1 1 1 1 1 1 1			
ri. If applicable, any visible leakage below concre	ete spillway?	VA	8 - 3 - 5 - 1
Downstream/Hazard Class Issues			
. Any noticeable changes immediately downstrea	am of the dam that a	ffects the hazard	classification?
Emergency Action Plan (EAP)	Company of the Compan		
Emergency Action Plan provided by owner?	Ve-		- V 1.2
. Does EAP contains emergency alert notification	n plan? If so, when v	vas it last undater	12 14 169
			7 / 7 /
i. Does EAP contain specific actions to take if the	e dam has failed or i	s near failure?	Yes
ection IV (Conclusions)			
eneral comments and recommendations:			With the Control
	1		4
	dan slo	The second secon	
allow beavers to clay	the pri	nary out	let pipe.
Stabilize ended ask	in the	5 me rige	acy Spiller
		V- 10	Avvient South
* * * * * * * * * * * * * * * * * * *			
	No. of the second		1000000
fame	West	- 11 44	9 1 53
			1997.24
			Till ligher in
			1990
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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.

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

INSTRUCTIONS

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.

Regional engineers and inspectors engaged in the dams Who will complete the form: 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

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.



South Carolina Department of Health and Environmental Control

November 13, 2013

Glenn Forest Lake Owners Association 2375 E. Main Street Spartanburg, SC 29302

Re: Inspection of Dam D-4367, Spartanburg County

Dear Sirs:

On October 24, 2013, SC DHEC conducted a routine inspection of your dam located off Old Iron Works Road and Round Ridge Court in the Glenn Forest Subdivision. The dam received an overall rating of **fair**. I am enclosing a copy of the inspection report of the dam.

Numerous trees were removed after the 2010 inspection but many trees are still growing on the backslope of the dam. Trees with diameters of less than 6 inches should be removed. Please note this continued tree growth on the dam compromises the integrity of the structure.

Additionally, no water was flowing through the outfall pipe. However water was flowing over the emergency spillway. It may be the pipe is only intended to drain the lake. Please verify its status. The water flowing over the emergency spillway is not reaching the creek by way of the concrete channel. Instead it is seeping through the joints between the concrete slabs and is flowing beneath them to the creek below. An accumulation of sediment was not observed at the base of the spillway so the erosion effect could be determined. Nevertheless, the cracks need to be filled so as to prevent future erosion.

Corrections should be performed within ninety (90) days from the receipt of this letter. These corrections are required by the *Dams and Reservoirs Safety Act Regulations R. 72-4*. Failure to perform these corrections is a direct violation of the Dams and Reservoirs Safety Act, Article 3, Section 49-11-260.

We do not have a copy of your emergency alert notification plan on file. Please complete the attached form and return it to us. Should this dam experience difficulty and be endanger of failing, the agencies listed on the notification plan could provide assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

James West

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, BEHS Spartanburg – District Engineer



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>436</u> 7 & Hazard Class	B. Name of Dam: Glenn Forest
C. Inspection Date (/0/24/20 /3) & Time: /600	D. Date of Last Inspection: (11115120 /۵)

C. Inspection Date (124/2013) & Time: 1600 D. Date of Last Inspection: (1115/10/3) E. Location-County/City: Spthy 1 Spartanburg F. EQC Regional Office: Spartanburg G. Inspector's Name: James West H. Owner's Name: Glean Forest Cake Owners Association I. Contact Person (if different from above): Nate Toms (2012)
G. Inspector's Name: James West H. Owner's Name: Glenn Forest Cake Owners Association I. Contact Person (if different from above): Nate Toms (2012)
G. Inspector's Name: James West H. Owner's Name: Glenn Forest Cake Owners Association I. Contact Person (if different from above): Nate Toms (2012)
I. Contact Person (if different from above): Nate Toms (2012)
J. Dam Owner's or Contact Person's Phone Numbers: Home ()
Office (864) 583 - 145-1
K. Dam Owner's or Contact Person's mailing address: Registered Agent per 5. Address 1 2375 E. Maiss +
Address 2 (optional)
City <u>Spantonbang</u> , State 5 < Zip Code 29302
Section II (Dam Condition)
General Condition Assessment (Select one of the following):
a) Satisfactory b) Fair v c) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspection Checklist)
A. Dam Crest i. Vegetation (grass, trees weeds)?
i. Vegetation (grass, trees weeds)?
i. Vegetation (grass, trees weeds)? ii. Animal activity observed?

Section III (Dam Inspection Checklist) continued
i. Vegetation (grass, trees weeds)? 62655 and a Few trees
li. Animal activity observed?
iii. Any obvious alterations or repairs made?
iv. Erosion observed on upstream slope?
v. Settlement or cracks visible in slope?
i. Vegetation (grass, trees weeds)? Weeks rase and some Cedar frees
ii. Animal activity observed? Wone
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, 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? Could not see a riser ii. Is there an obvious need to repair or replace trash rack? No TR seen
iii. Any noticeable problems with debris?
iv. Is valve or gate present?
i. Any water visibly flowing or leaking outside of the discharge pipe? None outside and w Flour through the pipe
ii. Describe any deflection or damage observed to the pipe:
iii. Visible condition of outlet channel:
F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? None except water dissapped
ii. Animal activity observed?
iii. Any noticeable deterioration in the approach or discharge channel? Crocks b/w Concrete Slabs is recieving the water iv. Any visible deterioration of structure's crest?
HEC 2604 (Rev 11/2011)

L

vi. If applicable, any visible leakage below cor	ncrete spillway? Les X
. Downstream/Hazard Class Issues i. Any noticeable changes immediately downs	stream of the dam that affects the hazard classification?
A Alice Plan (FAD)	
Emergency Action Plan (EAP) i. Emergency Action Plan provided by owner?	? None on file
ii. Does EAP contains emergency alert notific	cation plan? If so, when was it last updated?
iii. Does EAP contain specific actions to take	if the dam has failed or is near failure?
through it yet used. Why is the	less than 6 in diometer Outlet pipe has no flow the spillway is being here us Flow in the pipe? g beneath the 55 concre
	into This must be stope int begins to move out the
water None o	bserved yet
2	imes ()at
fas	mes was

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

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

Regional engineers and inspectors engaged in the dams Who will complete the form: 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

January 6, 2015

Mr. Ralph Settle Johnson Development 100 Dunbar Street, STE 400 Spartanburg, SC 29306

Re: Inspection of Dam D-4384, Horseshoe Lake, Spartanburg County

Dear Mr. Settle:

On December 29, 2014, SC DHEC conducted a routine safety inspection of the Horseshoe Lake dam located between Carolina Country Club and Zimmerman Lake Road. Your participation in the inspection was much appreciated. I am enclosing a copy of the inspection report.

Overall the dam appears to be in **satisfactory** condition. However, the trees on the emergency spillway and its riprap overflow should be removed. Flowing water was observed in the toe drains. This appeared to be a normal flow following recent rains but monitor these pipes for a significant volume increase or color changes. These pipes can reveal water seepage through the dam that is from the lake. If the water begins to carry sediment contact SC DHEC as well as an engineer.

Should this dam experience difficulty and be in danger of failing, the agencies listed on the emergency notification plan could provide assistance. If you have any questions, please call me at 864-596-3800.

Sincerely,

James West

SC DHEC Region 2 Spartanburg EQC Office

Cc: John Poole, SC DHEC Bureau of Water – Dam Safety Program Florence Hall, SC DHEC EQC Spartanburg



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 4384 & Hazard Class 2 B. Name of Dam: Horse shoe Lake
C. Inspection Date (12/29/20/4) & Time: 1:30 D. Date of Last Inspection: (12/21/2011)
E. Location-County/City: Spthy 1 Spartanburg F. EQC Regional Office: 5 169
G. Inspector's Name: James West
H. Owner's Name: Johnson Developement
I. Contact Person (if different from above): Rolph Settle
J. Dam Owner's or Contact Person's Phone Numbers: Office Home (804)594-5745
Cell Office (864) 529-2171
Other () K. Dam Owner's or Contact Person's mailing address:
Address 1 100 Dunbar 5t, STE 400
Address 2 (optional)
City Spartanburg, State 5 < Zip Code 29306
511)
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)?
ii. Animal activity observed? Beaver poth
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest?
v. Any visible settlement, misalignment or cracks?
DHEC 2604 (Rev 11/2011)

	Vegetation (grass, trees weeds)? 6 ras
ii.	Animal activity observed? Beaver trail
iii.	Any obvious alterations or repairs made?
iv.	Erosion observed on upstream slope?
٧. ا	Settlement or cracks visible in slope?
į. '	Vegetation (grass, trees weeds)? 6 ross
ii.	Animal activity observed? Beaver Frank
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?
. P	rimary Spillway
i. A	
i. A	rimary Spillway ny visible deterioration of structure?
i. A	rimary Spillway ny visible deterioration of structure? s there an obvious need to repair or replace trash rack?
i. A ii. I: iii. /	rimary Spillway ny visible deterioration of structure? s there an obvious need to repair or replace trash rack? Any noticeable problems with debris?
i. A ii. I: iii. /	rimary Spillway ny visible deterioration of structure? So there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? We so with the solution of structure?
i. A ii. I: iii. / iv. I i. A	rimary Spillway ny visible deterioration of structure? So there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? So valve or gate present? So valve Pipe In ywater visibly flowing or leaking outside of the discharge pipe?
i. A ii. I: iii. / iii. /	rimary Spillway any visible deterioration of structure? So there an obvious need to repair or replace trash rack? Any noticeable problems with debris? So valve or gate present? So valve or gate present? So valve Pipe The so valve of the discharge pipe? So valve or damage observed to the pipe:
ii. I: iii. I: iii. / iv. ii. A	rimary Spillway In visible deterioration of structure? In visible deterioration of structure? In visible deterioration of structure? In visible problems with debris? In vi
i. A ii. I: iii. / iii. A ii. C	rimary Spillway ny visible deterioration of structure? Any noticeable problems with debris? Any noticeable problems with debris? Is valve or gate present? In the Pipe ny water visibly flowing or leaking outside of the discharge pipe? Describe any deflection or damage observed to the pipe: Visible condition of outlet channel: Natural rock crek bed in the pipe of the discharge pipe? Visible condition of outlet channel: Natural rock crek bed in the pipe of the

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 classific	eation? 100
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?	12/2014
iii. Does EAP contain specific actions to take if the dam has failed or is near failure?	
Remove trees on the emergency of and at its rip rap discharge	over Flo
Dan and structures have been we maintained in the past,	ell
James West	
arphi	

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.



South Carolina Department of Health and Environmental Control

December 5, 2013

Joey Griffin 330 Mary Hanna Rd Woodruff, SC 29388

Re: Inspection of Pat Hartness Dam D-4496, Spartanburg County

Dear Mr. Griffin:

As you recall, on November 15, 2013, a routine inspection your dam was conducted. I am enclosing a copy of the inspection report of the dam. No deficiencies of the dam were noted. There are however, some trees at the discharge pipe and in the stream below that should be removed. Additionally a hole in the vicinity of the spring needs to be filled.

We have a copy of your emergency alert notification plan on file. Should this dam experience difficulty and be endanger of failing the agencies listed on the notification plan could provide assistance.

If you have any questions, please call me at 864-596-3800.

Sincerely James West

James West

SC DHEC Region 2 Spartanburg EQC Office

Cc: John Poole, Bureau of Water – Dam Safety Program Florence Hall, Spartanburg EQC – District Engineer



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 4496 & Hazard Class 2	B. Name of Dam: Pat Hantness
C. Inspection Date (/11/5/20/-2) & Time: /5/00	D. Date of Last Inspection: (22/06/20/D)
E. Location-County/City: Wardruff Spartanburg	F. EQC Regional Office: Spartanburg
G. Inspector's Name: James ()est	
H. Owner's Name: Pat Hartness	
I. Contact Person (if different from above): Joey	Griffin, Mar
J. Dam Owner's or Contact Person's Phone Numbers:	Home ()
	Office ()
	Other (8(4)270-279/
K. Dam Owner's or Contact Person's mailing address:	and the second
Address 1 330 Mary Hanna	Rd
Address 2 (optional)	A CONTRACT OF STATE O
City Woodruff State s	C 7in Code 775388
5000	Zip code <u>\$</u> 27376
Section II (Dam Condition)	
General Condition Assessment (Select one of the following	ng):
a) Satisfactory b) Fair c) Poor	d) Unsatisfactory e) Not Rated
200 - J. 1 <u>1.12</u>	, o) not nated
Section III (Dam Inspection Checklist)	
A. Dam Crest i. Vegetation (grass, trees weeds)?	
ii. Animal activity observed?	<u> </u>
iii. Any obvious alteration or repairs made?	
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	
DHEC 2604 (Rev 11/2011)	

Any obvious alterations or repairs made? Any obvious alterations or repairs made? Erosion observed on upstream slope? Settlement or cracks visible in slope? Obown Stream Slope Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Animal activity observed? Any obvious alterations or repairs made? Any estitlement or cracks visible in slope? Any visible deterioration of structure? In the end of the flow: In there an obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end obvious need to repair or replace trash rack? In the end of the discharge pipe? In the end of the end of the discharge pipe? In the end of the end of the end of th		klist) continued
Animal activity observed? Any obvious alterations or repairs made? Do Erosion observed on upstream slope? Settlement or cracks visible in slope? Vegetation (grass, trees weeds)? Animal activity observed?	Upstream Slope Vegetation (grass, trees weeds)?(Grass
Any obvious alterations or repairs made? Erosion observed on upstream slope? Settlement or cracks visible in slope? Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed? Erosion observed. Erosion observ	. Animal activity observed?	None
Erosion observed on upstream slope? Settlement or cracks visible in slope? Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed? Erosion obser	i. Any obvious alterations or repairs ma	ide? No
Settlement or cracks visible in slope? Down Stream Slope Vegetation (grass, trees weeds)? Animal activity observed? Any obvious alterations or repairs made? Erosion observed on down stream slope? Erosion observed? Erosion observed on down stream slope? Erosion observed on down stream slope? Erosion observed? Er		? No
Animal activity observed? None I. Any obvious alterations or repairs made? N. Erosion observed on down stream slope? N. Settlement or cracks visible in slope? N. Toe drains flowing? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowing or leaking outside of the discharge pipe? N. Toe drains flowin	. Settlement or cracks visible in slope?	No
i. Any obvious alterations or repairs made? V. Erosion observed on down stream slope? V. Erosion observed on down stream slope? V. Estilement or cracks visible in slope? V. E. Choth one into words. I. Toe drains flowing? V. E. Choth one into words. V. C. L. Entry place the spring place the discharge place. V. E. Choth one into words. V. C. L. Entry place the discharge place. V. E. Choth one into words. V. E. Choth on	Down Stream Slope . Vegetation (grass, trees weeds)?	Grass
V. Erosion observed on down stream slope? V. Settlement or cracks visible in slope? V. Settlement or cracks visible in slope? V. Toe drains flowing? V. S. (hoth) - one into useds, and in the spring pipe of discharge of the spring pipe of discharge of the spring pipe of discharge pipe. V. Settlement or cracks visible in slope? V. S. (hoth) - one into useds. V. S. (hoth) - o		
ii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? ii. Now sate visibly flowing or leaking outside of the discharge pipe? iii. Describe any deflection or damage observed to the pipe: Nome Auxiliary (Emergency) Spillway i. Noticeable deterioration in the approach or discharge channel?		
ii. Toe drains flowing? He offer af the spring pipe of discharge of the spring pipe		
ii. Is there an obvious need to repair or replace trash rack? iii. Is there an obvious need to repair or replace trash rack? iii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? iv. Is valve or gate present? iv. Is valve or gate present? iii. Any water visibly flowing or leaking outside of the discharge pipe? If yes iii. Describe any deflection or damage observed to the pipe: Iii. Visible condition of outlet channel: Iii. Visible condition of outlet channel: Iii. Visible condition of outlet channel: Iii. Visible condition to flow? Iii. Any noticeable deterioration in the approach or discharge channel? Iii. Any noticeable deterioration in the approach or discharge channel?	v. Settlement or cracks visible in slope?	No.
ii. Is there an obvious need to repair or replace trash rack? iii. Is there an obvious need to repair or replace trash rack? iii. Is there an obvious need to repair or replace trash rack? iii. Any noticeable problems with debris? iv. Is valve or gate present? iv. Is valve or gate present? iv. Is valve or gate present? iii. Any water visibly flowing or leaking outside of the discharge pipe? If yes iii. Describe any deflection or damage observed to the pipe: Iii. Visible condition of outlet channel: Iii. Visible condition of outlet channel: Iii. Visible condition of outlet channel: Iii. Visible condition to flow? Iii. Any noticeable deterioration in the approach or discharge channel? Iii. Any noticeable deterioration in the approach or discharge channel?	vi. Toe drains flowing?	Ves (both) - one into woods, other at the springpipe & discharge,
iii. Any noticeable problems with debris? Ves	i. Any visible deterioration of structure?	
E. Outlet Pipe i. Any water visibly flowing or leaking outside of the discharge pipe? **No foe drains and spring pipe** ii. Describe any deflection or damage observed to the pipe: **None** iii. Visible condition of outlet channel: **Channel should be get** **Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? **Noticeable obstructions to flow? **Inimal activity observed? **Noticeable deterioration in the approach or discharge channel? **Noticeable deterioration in the approach or discharge channel?		
ii. Describe any deflection or damage observed to the pipe: iii. Visible condition of outlet channel: Channel Should be cut Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? Wone iii. Any noticeable deterioration in the approach or discharge channel?	iv. Is valve or gate present?	Yes
iii. Visible condition of outlet channel:	E. Outlet Pipe i. Any water visibly flowing or leaking o the fee drains	outside of the discharge pipe? No - just from
ii. Any noticeable deterioration in the approach or discharge channel?	ii. Describe any deflection or damage of	observed to the pipe:
ii. Animal activity observed? iii. Any noticeable deterioration in the approach or discharge channel?		
iii. Any noticeable deterioration in the approach or discharge channel?	iii. Visible condition of outlet channel:	OK but trees in the
m. / u-,/	iii. Visible condition of outlet channel:	Id be cut
1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	iii. Visible condition of outlet channel: Chance / Scarce F. Auxiliary (Emergency) Spillway i. Noticeable obstructions to flow? ii. Animal activity observed?	None Vo
iv. Any visible deterioration of structure's crest?	iii. Visible condition of outlet channel:	None Vo

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	n? No
I. Emergency Action Plan (EAP)	
i. Emergency Action Plan provided by owner?	
ii. Does EAP contains emergency alert notification plan? If so, when was it last updated?	8
iii. Does EAP contain specific actions to take if the dam has failed or is near failure?	
Coefficient IV (Conclusions)	2411
Section IV (Conclusions)	
General comments and recommendations:	
The tree at the discharge pipe need	lis
to be personed before it becomes a proble	6112.11
likewise trees in the chancel should	1
11.12 the country exercise	20
should be Filled.	ing_
Dan and related structures look good.	1910 183 N
yames West	THE SHEET
liminary Dam Inspection Disclaimer: Information contained in the preliminary inspection report is intended as an aid to identify those dams that require or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering to for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does if for services provided by registered professional engineers. If your dam is experiencing an unusual situation continuering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Depart and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any	ig or consulting or consulting it replace the neutron with interest of the consulting in the consultin
ess or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurter ags are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the r is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions are responsible for the safe operations and maintenance of their impoundment structures.	enant works.

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

INSTRUCTIONS

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.

Regional engineers and inspectors engaged in the dams Who will complete the form: 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.