DHEC ROMOTE PROTECT PROSPER	Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Info	ormation)
A. Dam Number: p 3101	1 4406
	& Hazard Class CL B. Name of Dam: CLEMONS Lok/E 0 13) & Time: 9:004M D. Date of Last Inspection: (12-17-2010)
	LAREY RAGSDALF
	MILTON CLEMDKIS
	from above):
J. Dam Owner's or Contact Pe	erson's Phone Numbers: Home (843) 527 4336
	Office ()
K. Dam Owner's or Contact P	
	1 BROUNS FERRY R.D
	State <u>≤ C</u> Zip Code 29.440
Section II (Dam Condition	on)
	ent (Select one of the following):
a) Satisfactory b)	Fair C) Poor d) Unsatisfactory e) Not Rated
Section III (Dam Inspect	tion Checklist)
A. Dam Crest i. Vegetation (grass, trees we	eeds)? GRASS TRIMMED, NO FREES
ii. Animal activity observed?	
iii. Any obvious alteration or r	epairs made?
iii. Any obvious alteration or riv. Erosion noticed on crest?v. Any visible settlement, miss	NONE

Paule Co. SPRAY ON LIUSS

Section III (Dam Inspection Checklist) continued

	645E OF TOE	
п.	Animal activity observed?	NARE
iii.	Any obvious alterations or repairs ma	ade? Mary 2
iv	Erosion observed on upstream slope	? NONE
V.	Settlement or cracks visible in slope?	NONE
. [Down Stream Slope	/
	Vegetation (grass, trees weeds)?	SOMETREES (SAME AS ABONE
ii.	Animal activity observed?	WOILL
III.	Any obvious alterations or repairs ma	ade? NON 2
V	Erosion observed on down stream slo	ope? Along
V.	Settlement or cracks visible in slope?	NONI
vi	Toe drains flowing?	0
	Primary Spillway Any visible deterioration of structure?	NO
	I dla	
ĨĨ.	Is there an obvious need to repair or r	
	Is there an obvious need to repair or r . Any noticeable problems with debris?	replace trash rack? N/A 3101 NO 4406
ΪΪ.		replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u>
iii.	. Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406
iii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 utside of the discharge pipe? <u>NO YES 3101</u> NO 4406
iii.	Any noticeable problems with debris?	replace trash rack? $N/A 3101$ NO 440C ? NO 0 3101 YES 4406 utside of the discharge pipe? NO YES 3101 NO 4406 bserved to the pipe:
iii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> 0 3101 YES 4406 utside of the discharge pipe? <u>NO 4406</u> bserved to the pipe: <u>OLD FIRZ 4406 FUSTIOITCET</u>
iii.	Any noticeable problems with debris?	replace trash rack? $N/A 3101$ NO 440C ? NO 0 3101 YES 4406 utside of the discharge pipe? NO YES 3101 NO 4406 bserved to the pipe:
iii. iv	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> 0 3101 YES 4406 utside of the discharge pipe? <u>NO 4406</u> bserved to the pipe: <u>OLD FIRZ 4406 FUSTIOITCET</u>
iii. iv	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> 0 3101 YES 4406 utside of the discharge pipe? <u>NO 4406</u> bserved to the pipe: <u>OLD FIRZ 4406 FUSTIOITCET</u>
iii. ii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 utside of the discharge pipe? <u>NO YES 3101</u> NO 4406 bserved to the pipe: <u>OLD FIRZ 4406</u> RUST NOITCET SPEC
III. III. III.	Any noticeable problems with debris?	replace trash rack? N/A 3101 NO 4406 ? NO 0 3101 YES 4406 utside of the discharge pipe? NO 4406 bserved to the pipe: NO 4406 NO PIP2 4406 RUSTN 01T02T NO NO NO NO
III. III. III. III.	Any noticeable problems with debris?	replace trash rack? N/A 3101 NO 4406 ? NO 0 3101 YES 4406 utside of the discharge pipe? NO 4406 bserved to the pipe: NO 4406 0.0 P.P2 4406 PUSTNI 01T02T NO NO

vi. If applicable, any visible leakage below concrete spillway?	NIA
	N//]
I. Downstream/Hazard Class Issues	
i. Any noticeable changes immediately downstream of the dam the \mathcal{MO}	hat affects the hazard classification?
~~	
Emergency Action Plan (EAP)	
i. Emergency Action Plan provided by owner?	
ii. Does EAP contains emergency alert notification plan? If so, w	hen was it last updated?
iii Doog FAD contain apositio actions to take if the day has faile	ad as la seas failure 0
iii. Does EAP contain specific actions to take if the dam has faile	ed or is near failure?
Section IV (Conclusions)	
General comments and recommendations:	

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.

J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.

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

Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)

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 patient deficiency.

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.

DHEC 2604 (Rev. 11/2011)

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



South Carolina Department of Health and Environmental Control C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment BOARD: Carl L. Brazeli Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD

February 4, 2005

Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On December 13, 2004, we conducted a routine reinspection of both your Upper and Lower dams. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely,

Boud

Terry W. Boyd Waccamwa EQC District Engineer

Enclosures cc: Steven M. Bradley, P.E. Bureau of Water Dams & Reservoirs Safety BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



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

Inspection Report

Date: December 13, 2004

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

Representatives of SCDHEC Present:Terry Boyd and Steve BradleyRepresentatives of Owner Present:Milton (Mickey) E. Clemons, OwnerOthers Present:None

List of noted deficiencies or items requiring correction/checking:

UPPER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps/roots are also removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Work to repair/replace the primary riser structure should be completed.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. The above items #1-4 on the Upper Dam and above items #1-5 on the Lower Dam as noted in the previous June 13, 2001 inspection report.

WACCAMAW ENVIRONMENTAL QUALITY CONTROL DISTRICT 927 Shine Avenue + Myrtie Beach, S.C. 29577 + Phone (843) 238-4278 + Fax (843) 238-4618

Was the Emergency Action Plan Updated ? Yes

Lern W. Signed

Terry W/Boyd, Waccamaw EQC District Engineer DHEC 2604 (6/94)

BOARD: Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/ Lower Dam No. D4406/ D3101 COUNTY: Williamsburg

Sowner Manager Operator (Please check one)

As 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:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001(Conway); (843) 354-5665(Kingstree)
- 2. Local Highway Maintenance Engineer (843) 354-7491 (Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergency Preparedness Agency (843) 354-9330 Williamsburg County Sheriff (843) 355-6381
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Name	Date	Telephone
Milton E. Clemons	12/13/04	Home: (843) 527-4336
		Office: (843) 448-3031

DHEC 2606(06/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	•				Date
The ownership of Dam D ³¹	01,	Clemons	Lower	Dam	
Williamsburg	County ha	is changed.	(Name The ne	of Dam) ew owner(s)	are:
Owner 1*					
Address					
City, State, Zip	-				
Telephone Numb	oer			3 	
Owner 2 [*] (if applicable) Address					
City, State, Zip					
Telephone Numb	er			• • • • • • • • • • • • • • • • • • •	
Additional Owner (if applicable) Address					
City, State, Zip					
Telephone Numbe If owner is a corporatio					
		_	(Previ	ous Owner's	Signature)
	* 	-	P	revious Own	ier's Name
					·····
ail Above Notification To:	S.C. Depar	tment of Hea		evious Own	

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

• *

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD

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

December 7, 2004

Milton E. Clemons PO Box 96 Myrtle Beach, SC 29577

Re: State Dam No. 43-D3101 known as Clemons Lower Dam and State Dam No. 43-D4406 known as Clemons Upper Dam, located off Hwy 51 in Williamsburg County.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

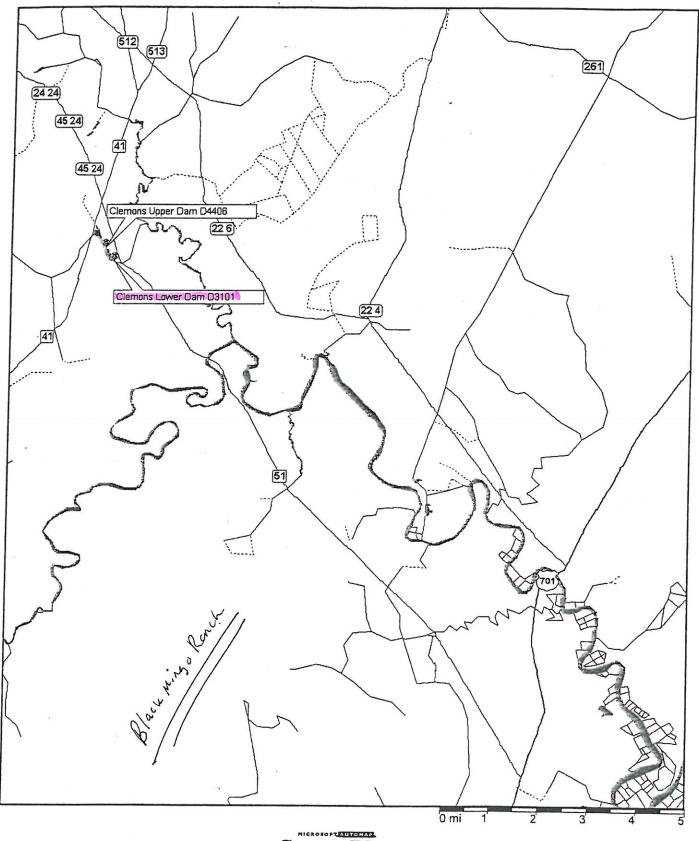
This letter is a follow-up to my telephone conversation with you on December 6, 2004. I, the District Engineer, along with Steve Bradley, P.E. with the Bureau of Water Dams and Reservoirs Safety Program have tentatively scheduled Monday, December 13, 2004, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

N. Boyd

Terry W. Boyd District Engineer Waccamaw EQC District



Streets Plus

Clemons Dams D4406-Upper Dam, Clemons Dams D3101-Lower Dam

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DEC 1 6 2004

C. Earl Hunter, Commissioner

WACCAMAW DISTRICT Promoting and protecting the health of the public and thENMIRONMENTAL QUALITY CONTROL Bureau of Water Dams and Reservoirs Safety

December 15, 2004

. 1.

Mr. Milton E. Clemons Post Office Box 96 Myrtle Beach, South Carolina 29577

Re: Dams D-3101 and D-4406

Dear Milton:

I assisted in inspecting the reference dams on Monday, December 13, 2004. You will be receiving a separate inspection letter from Terry Boyd, Waccamaw District Engineer.

Lately, a significant number of dams have experienced failure due to corrosion of the metal pipes through the dam. A high hazard, Class I dam in Columbia failed during flooding experienced from the remnants of Hurricane Charlie. Though no significant damage was done to the downstream floodplain, this situation would have been much worse if more rain had fallen from the storm. The owners of the dam are presently going through the permitting process to repair their dam.

Last year, a dam in Clarendon County failed. The owner had repaired his oxidized riser by placing a smaller pipe inside the riser and grouting the annular space. The pipe through this dam had completely rusted through, however, and a significant rainfall event and its resulting flooding caused the whole embankment around the pipe to erode and the dam to fail. Luckily, no damage was done to the downstream roadway. This dam has not been permitted for reconstruction at the present time.

It is my belief that your lower dam will soon fail. If this occurs, damages resulting from this failure may be your responsibility, which means that you may have to hire legal counsel in an attempt to minimize potential litigation costs. Also, any wildlife or recreational investment existing in the pond may be lost.

My experience has been that it is better to fix a dam before it fails. An engineer's list is enclosed to assist you in this endeavor. If you have any questions or comments, please contact this office.

Sincerely,

Steven M. Bradley, P.E.

Mr. Terry Boyd, Waccamaw EQC Cc:

ENGINEERS EXPERIENCED IN DAM DESIGN WORK

W. Burton Wells, P.E. Wells Engineering, Inc. 132 Rum Gully Lane Chapin, SC 29036 (803) 345-2812

J 6.

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

Paul C. Rizzo Assoc., Inc. 1896 North Lake Drive Lexington, SC 29072 (803) 217-5212

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 Gamble Wilbur Smith and Associates 1301 Gervais Street Columbia, SC 29201 (803) 758-4500

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

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

From:	Steven Bradley
То:	Boyd, Terry
Date:	12/6/2004 8:11:12 AM
Subject:	Re: Dam Reinspection Schedule

Terry,

Everything is fine with my family and we are looking forward to Christmas. I hope you're doing well and your family as well.

I doubt that Mr. Clemons' brothers' dam will have any adverse impacts on his ponds. If the dam is on the brother's property, and it is not regulatable by us, there is nothing we can do. His brother would, like Mr. Clemons, be responsible for any damages resulting from the failure of his dam, if that occurs.

Mr. Clemons is probably concerned that his brother is going to "shut off" his water during dry periods of weather. That may happen, but there are no state laws dealing with this condition that I know of.

As I remember, the dams were in a very deteriorated condition, and I have not seen a permit to fix these dams from Mr. Clemons. Mr. Clemons, in my opinion, likes to cover up his own failures in maintaining and repairing his dam by presenting new problems that are caused by others. I only met the man at our last (2000+/-) inspection and also hope my judgement is incorrect. I'm curious as to whether Mr. Clemons has cleared his dam and emergency spillways as recommended in that letter.

I can meet Wed or Thur(Dec 8or9) this week or Mon or Tues next week (Dec 13 or 14).

Thanks, Terry.

Steve Bradley

>>> Terry Boyd 12/03/2004 3:35:50 PM >>>

Hi Steve,

Hope that all has been well with you and your family!

This E-Mail is a follow-up to my 11-30-04 phone message concerning the following:

1: I apologize for this short notice but this reinspection is due before the end of this year. If possible in your schedule, the need for you to be present with me on a day during the week of 12-13-04 thru 12-17-04 for the reinspection of the Clemons Upper/Lower Dam No.D4406/D3101 located in Williamsburg Co. Based on my 11-30-04 telecon with the owner, Mickey Clemons, it is my understanding that he is concern with the possible hydraulic impact to his dam from his brother's construction of a dam located upstream.

2. In reference to compliance, the need to verify if the reinspection letters, reports and emergency notification form completed in Year 2001 can be used with the appropriate changes noted for the Year 2004 reinspections or have these letters, reports and forms been revised/updated.

Looking forward to talking with you next week!

Thanks, Take Care,

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	'a	'age

From:	Steven Bradley
To:	Boyd, Terry
Date:	12/6/2004 8:13:17 AM
Subject:	Re: Dam Reinspection Schedule

Terry,

Also, the letters and emergency notification plan are probably okay. You may need to verify the phone no. on the emergency notif. plan, as there are not too many high or sign. hazard dams in Williamsburg Co.

Thanks again,

Steve B.

>>> Terry Boyd 12/03/2004 3:35:50 PM >>>

Hi Steve,

Hope that all has been well with you and your family!

This E-Mail is a follow-up to my 11-30-04 phone message concerning the following:

1: I apologize for this short notice but this reinspection is due before the end of this year. If possible in your schedule, the need for you to be present with me on a day during the week of 12-13-04 thru 12-17-04 for the reinspection of the Clemons Upper/Lower Dam No.D4406/D3101 located in Williamsburg Co. Based on my 11-30-04 telecon with the owner, Mickey Clemons, it is my understanding that he is concern with the possible hydraulic impact to his dam from his brother's construction of a dam located upstream.

2. In reference to compliance, the need to verify if the reinspection letters, reports and emergency notification form completed in Year 2001 can be used with the appropriate changes noted for the Year 2004 reinspections or have these letters, reports and forms been revised/updated.

Looking forward to talking with you next week!

Thanks, Take Care,

Terry

Call# 803-427-0530



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390

Serving Georgetown, Horry, And Williamsburg Counties

June 21, 2001

Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On June 13, 2001, we conducted a routine reinspection of both your Upper and Lower dams . We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely, en W. Boyd Boyd Terry

Waccamwa EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division Steve Bradley, Bureau of Water Dam & Reservoir Permitting



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: June 13, 2001

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

Representatives of SCDHEC Present:Shauna Fowler and Terry BoydRepresentatives of Owner Present:Milton(Mickey) E. ClemonsOthers Present:None

List of noted deficiencies or items requiring correction/checking:

UPPER DAM

- 1. Trees in the emergency spillway should be cut and removed. During periods of high flow, they tend to restrict flow of water.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps and roots are removed also.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement. There appeared to be some repair work activity but still incomplete.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed.
- 2. Work to repair/replace the primary riser structure should be completed. There was evidence of some repair work activity but still incomplete. Verification was made that the formwork had been removed from inside the structure to prevent restriction of the water flow.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. The above items #1-4 on the Upper Dam and above items #1-5 on the Lower Dam as noted in the previous June 18, 1998 inspection report.

Was the Emergency Action Plan Updated ? Yes

W, 15ourd Signed Lenn Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/Lower Dam No.43- D4406/43-D3101 COUNTY: Williamsburg

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SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 1-800-442-1368
- 2. Local Highway Maintenance Engineer (843) 354-7491(Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergncy Prep. Agency (843) 354-9330 Williamsburg County Sheriff (843) 354-9696
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

erson(s) responsible for implem	enting Surveillance Plan and Eme	rgency Notification Plan:
		Office: (843) 448-3031
Milton E. Clemons	6-13-01	Home: (843) 527-4336
Name	Date	Telephone

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

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		Date
The ownership of Dam D_3101 Clemons	Lower Dam	in
Williamsburg County has changed.	(Name of Dam)	are:
Owner 1 [*]		
Address		
City, State, Zip		
Telephone Number		
Owner 2 [*] (if applicable) Address		
City, State, Zip		
Telephone Number	· .	
Additional Owner [*] (if applicable) Address		
City, State, Zip		
Telephone Number *If owner is a corporation, give name of princi		
-	(Previous Owner	s Signature)
·	Previous Ow	
_		
Mail Above Notification To: S.C. Department of Hea Dams and Reservoirs Sa 2600 Bull Street Columbia, SC 29201	alth and Environmental	ners Address Control
NOTE: Failure to notify the S.C. Department of Health and Er ownership transfer can result in a fine of \$100 - \$100		ithin 30 days of

DHEC 2605(6/94)

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Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

June 4, 2001

Milton E. Clemson PO Box 96 Myrtle Beach, SC 29577

Re: State Dam No. 43-D3101 known as Clemons Lower Dam and State Dam No. 43-D4406 known as Clemons Upper Dam, located off Hwy 51 in Williamsburg County.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to my telephone conversation with Sandra Clemons on June 3, 2001. I, along with Terry Boyd, district engineer, have tentatively scheduled Wednesday, June 13, 2001, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/Lower Dam No.43- D4406/43-D3101

COUNTY: Williamsburg

As $\begin{matrix} X \\ - Owner \end{matrix}$ Manager $\begin{matrix} \Box \\ Operator (Please check one) \\ of the above reference dam, the person(s) named below are responsible for safe maintenance and$ operation of the above dam and reservoir and are responsible for implementing the followingSurveillance Plan and the following Emergency Notification Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 **1-800-442-1368**
- 2. Local Highway Maintenance Engineer (843) 354-7491(Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergncy Prep. Agency (843) 354-9330 Williamsburg County Sheriff (843) 354-9696
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for implem	enting Surveillance Plan and Eme	rgency Notification Plan: Office: (843) 448-3031
Milton E. Clemons		Home: (843) 527-4336
Name	Date	Telephone
DHEC 2606(06/01)	а — — — — — — — — — — — — — — — — — — —	



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving Georgetown, Horry, And Williamsburg

July 27, 1998

Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On June 18, 1998, we conducted a routine reinspection of both your Upper and Lower dams. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely, Leny W. Boyd Terry W. Boyd

Waccamaw District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division Steve Bradley, Bureau of Water Dam & Reservoir Permitting



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: June 18, 1998

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

Representatives of SCDHEC Present: Steve Bradley, Fred Earnhardt & Terry Boyd

Representatives of Owner Present: Milton E. Clemons

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

UPPER DAM

- 1. Trees in the emergency spillway should be cut and removed. During periods of high flow, they tend to restrict flow of water.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps and roots are removed also.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement. There appeared to be some repair work activity but still incomplete.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed.
- 2. Work to repair/replace the primary riser structure should be completed. The formwork left inside will tend to restrict the flow of water.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. Above noted items 1, 2 & 3 on the Upper Dam and above noted items 1, 2 & 3 on the Lower Dam as stated in the previous 5-12-95 inspection report of the Clemons Dams.

Was the Emergency Action Plan Updated ? Yes

Signed (a sin

Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

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

NAME AND DAM NUMBER: Clemons Upper/ Lower Dam D-4406/D3101 COUNTY: Williamsburg

As X Owner Manager Operator (Please check one) 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:

SURVEILLANCE 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, <u>Terry Boyd</u>, <u>SCDHEC District Engineer</u>, <u>843-448-1902</u> 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: (843) 661-4700
- 2. Local Highway Maintenance Engineer: (843) 354-7491(Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergency Preparedness Agency (843) 354-9330 Williamsburg County Sheriffs Office (843) 354-6381
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: 1-888-481-0125 (toll free)

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan:Milton E. Clemons06-18-98(843)448-3031&(843)527-4336NameDateTelephone

DHEC 2606(07/97)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	Date
The ownership of Dam D_3101 , Clemons Lower Dam	in
(Name of Dam) Williamsburg County has changed. The new own	er(s) are:
Owner 1 [*]	
Address	
City, State, Zip	
Telephone Number	
Owner 2 [*] (if applicable) Address	
City, State, Zip	
Telephone Number	
Additional Owner [*] (if applicable) Address	
City, State, Zip	
Telephone Number *If owner is a corporation, give name of principal contact pe	
(Previous Ov	vner's Signature)
Previous	s Owner's Name
Mail Above Notification To: S.C. Department of Health and Environm Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201	
NOTE: Failure to notify the S.C. Department of Health and Environmental Cont ownership transfer can result in a fine of \$100 - \$1000.	roi within 30 days of

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390

Serving Georgetown, Horry, and Williamsburg Counties

June 8, 1998

Mr. Milton E. Clemons OceanAire Motel P.O. Box 96 Myrtle Beach, South Carolina 29577

Re: Reinspection of State Dam No. 43-D3101 know as Clemons Lower Dam and State Dam No.43-D4406 known as Clemons Upper Dam, Located off Hwy 51 in Georgetown County.

Dear Mr.Clemons:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday June 18, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:00 a.m. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our June 18th inspection.

Sincerely,

Fred K'. Earnhardt Section Manager Waccamw EQC



Nº 2

Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman Sandra J. Molander, Secretary

Richard E. Jabbour, DDS William M. Hull, Jr., MD Roger Leaks, Jr.

Promoting Health, Protecting the Environment

May 12, 1995

Mr. Milton E. Clemons P. O. Box 96 Myrtle Beach, S. C. 29577

RE: Reinspection of Clemons Upper Dam, D-4406, and Clemons Lower Dam, D-3101, Williamsburg County

Dear Mr. Clemons:

On Thursday, May 11, 1995, we conducted a routine reinspection of your dams.

We noted the following items that require your attention on upper (upstream) dam:

1. Trees in the emergency spillway should be cut and removed. During periods of high flow, they tend to restrict flow of water.

2. Small brush and trees less than 6" in diameter on the dam \checkmark should be cut and removed. (Large trees are too big to be cut unless stumps and roots are removed also.)

3. The metal riser structure is rusting and deteriorating and $^\prime$ requires repair or replacement.

We noted the following items that require your attention on the lower dam:

1. Trees in the emergency spillway should be cut and removed.

2. Work to repair the riser system should be completed. The formwork left inside will tend to restrict the flow of water.

3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.

We are enclosing a copy of the updated Emergency Alert Notification Plan for the dams. The purpose of this Plan is to assist those persons who monitor the dams in reaching the correct agencies and taking the correct actions in case either dam is in danger of failing. These dams have a road below them that would need to be blocked if either is threatened. The agencies listed on the plan could provide assistance in accomplishing this.

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Mr. Milton E. Clemons May 10, 1995 Page 2

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> Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. We are enclosing a form for your use in notifying us should this occur.

> During this inspection, we did a reevaluation of the downstream hazard below these dams and decided they should be classified as significant hazard rather than high hazard structures. Based on this new classification, they will be reinspected next in three years.

Sincerely, George &. Kallentine

George D. Ballentine, Ph.D., P.E., Manager Dams and Reservoirs Safety Section

Enclosures cc: Rick Nuzum, P.E., DHEC Dam Safety

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM	COUNTY: Williamsburg						
Clemons Upper Dam, D-4406	<u>.</u>						
Clemons Lower Dam, D-3101							
As X Owner	Manager Operator (Please check one)						
of the above reference dam, I accept the responsibility for safe maintenance and operation of the dam							
and reservoir and will implement the following emergency notification and surveillance plan:							

SURVEILLANCE 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 inflow or movement of soil particles. The Dams and Reservoirs Safety Area Engineer, <u>Rick Nuzum</u> (803)734-9117 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 (803)661-4700
- 2. Local Highway Maintenance Engineer (803)354-9626 7491
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emerg. Prep. (803)354-9330 Sheriff's Office (803)354-6381
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

Milton E. Clemons Name	May 11, 1954 Date	(803)448-3031 (803) <u>527-4336</u> Telephone
Same Owner of Dam	Date	<u>Same</u> Telephone

DHEC: 2606 (08/94)

the second se	liminary Inspection Report for South Carolina egulated Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Information)	
A. Dam Number: D 3616 & Hazard Cla	ass CZ B. Name of Dam: GRAHAM MILL PONDA
C. Inspection Date (12.130)20 13 & Tim	e: 11:30 D. Date of Last Inspection: (13/15/2019)
E. Location-County/City: Holly	
G. Inspector's Name: L. RAGS	DALE
H. Owner's Name: IJALD EA	GRAHAM
I. Contact Person (if different from above)	2
J. Dam Owner's or Contact Person's Pho	ne Numbers: Home ()
	Office ()
	Other ()
K. Dam Owner's or Contact Person's mai	
Address 1	
8 8 D	
City	State Zip Code
Section II (Dam Condition) General Condition Assessment (Select a) Satisfactory b) Fair Section III (Dam Inspection Cher	c) Poor d) Unsatisfactory e) Not Rated
A. Dam Crest i. Vegetation (grass, trees weeds)?	NO LIFERS, GRASS TRIMMED.
ii. Animal activity observed?	NONE
iii. Any obvious alteration or repairs man	de? ADA'E
iv. Erosion noticed on crest?	NONE

Section III (Dam Inspection Checklist) continued

	Vegetation (grass, trees weeds)? NO, GRASS TRIMAR IND WZGPS
ii.	Animal activity observed? <u>Kloul</u>
iii.	Any obvious alterations or repairs made? NONE
V.	Erosion observed on upstream slope? Non 2
V.	Settlement or cracks visible in slope?
. C	Down Stream Slope
	Vegetation (grass, trees weeds)? EXTENSIVE FREE CROWTH, ALL
	TREES 4" IN DIA. OR CARGER
ii.	Animal activity observed?
iii.	Any obvious alterations or repairs made?
V.	Erosion observed on down stream slope?
V.	Settlement or cracks visible in slope? ハロハ 2
vi.	Toe drains flowing? A/A
	Any seepage observed? If so, describe location, NO
	Any visible deterioration of structure?
Í.	Is there an obvious need to repair or replace trash rack?
İİİ.	Any noticeable problems with debris?
iv.	Is valve or gate present? NO
-	Outlet Pipe
	Any water visibly flowing or leaking outside of the discharge pipe?
İİ.	Describe any deflection or damage observed to the pipe:
iii.	Visible condition of outlet channel: GooD
A	Auxiliary (Emergency) Spillway
. 1	Noticeable obstructions to flow?
i	Animal activity observed?
ii.	Any noticeable deterioration in the approach or discharge channel?
	Any visible deterioration of structure's crest?

F. Auxiliary	(Emergency)	Spillway	continued
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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:

Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

 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)

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.

DHEC 2604 (Rev. 11/2011)



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

CERTIFIED MAIL

February 15, 2011

Bertie J. Mishoe 7204 Hwy 701 North Conway, SC 29526

RE: Inspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On December 15, 2010, I conducted a routine inspection of the Mishoe Pond Dam. We regret that your Manager, Julius Derrick, could not be available to attend.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears to be in satisfactory condition and your maintenance program is sufficient. As a reminder, a maintenance program should include repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. In addition, please perform continuous periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE **Region Engineer** Region 6, Myrtle Beach EQC

Enclosures

CC: BOW **Project File**

Region 6

Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhcc.gov



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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: **Representatives of Owner Present: Others Present:**

December 15, 2010 26-D3620/Horry A. Scott Roberts None None

List of noted deficiencies or items requiring correction/checking:

None.

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

Was the Emergency Action Plan Updated? Yes

Signed (

A. Scott Roberts, PE **Region Engineer** Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

Region 6

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Mishoe	Dam No. 2	26-D3620		(COUNTY:	Horry		
As		r	[L X J Manager		rator (Plea	ise checl	(one)	
			the person(s) n		10001100010 000000 0000000000000000000			
operati	on of the	above dam	and reservoir	and are	responsible	e for im	plementing	the following

SURVEILLANCE 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, <u>Region 6, Myrtle</u> Beach EQC Office: (843)238-4378 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: (843)365-5001

Surveillance Plan and the following Emergency Notification Plan:

- 2. Local Highway Maintenance Engineer: (843)365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Horry County Emergency Management: (843)915-5150 Horry County Sheriff: (843)915-5450*
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Julius Derrick	12-15-10	Home: (843)365-3346
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

		Date	
The owners	hip of Dam D,,		i
	(Name of Dam) County has changed. The new owner(s)		
	Owner 1*	-	
	Address	-	
	City, State, Zip	_	
	Telephone Number	-	
	Owner 2 [*]		
	City, State, Zip		
	Telephone Number		
	Additional Owner [*] (if applicable) Address		
	City, State, Zip		
*lf ow	Telephone Number ner is a corporation, give name of principal contact person:		
	(Previous Owner'	s Signatur	e)
i.	Previous Own	ner's Nam	е

Mail Above Notification To:

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

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

March 20, 2008

Bertie J. Mishoe 7204 Hwy 701 North Conway, SC 29526

RE: Inspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On December 11, 2007, Terry Boyd and I conducted a routine inspection of the Mishoe Pond Dam. We regret that your Manager, Julius Derrick, could not be available to attend.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov



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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 11, 2007 26-D3620/Horry Scott Roberts and Terry Boyd None None

List of noted deficiencies or items requiring correction/checking:

- 1. Trees (less than 6"diameter) and brush on both the upstream and the downstream slope of the dam should be cut, removed and replaced with a good cover of grass.
- 2. Debris/mud should be removed from around both corrugated metal pipe inlets to prevent obstruction.
- 3. There was evidence of several small erosion/sink hole areas along the top of the dam near the abandoned drop inlet structure that need to be repaired with appropriate fill material consisting of sand/clay. Please note that no construction debris should be used, which could cause voids for further erosion and potential seepage through the dam.

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

1. Items #1, #2, & 3 above as noted on the previous inspection report dated October 29, 2004.

Was the Emergency Action Plan Updated? Yes

Signed

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

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S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Mishoe Dam No. 26-D3620	COUNTY: Horry
As Owner] J Operator (Please check one)
	ed below are responsible for safe maintenance and
	d are responsible for implementing the following
Surveillance Plan and the following Emergency N	otification Plan:

SURVEILLANCE 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, <u>Region 6, Myrtle</u> **Beach EQC Office:** (843)238-4378 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: (843)365-5001
- 2. Local Highway Maintenance Engineer: (843)365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Horry County Emergency Management: (843)915-5150 Horry County Sheriff: (843)915-5450*
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Julius Derrick	12-11-07	Home: (843)365-3346
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

ne ownership of Dam D,	
	(Name of Dam)
County has changed	d. The new owner(s) are:
Owner 1*	5
Address	
City, State, Zip	· · · · · · · · · · · · · · · · · · ·
Telephone Number	
Owner 2 [*] (if applicable) Address	
City, State, Zip	
Telephone Number	
Additional Owner (if applicable) Address	
City, State, Zip	
Telephone Number	
[•] If owner is a corporation, give name of prin	cipal contact person:
	(Previous Owner's Signature
	Previous Owner's Name

Mail Above Notification To:

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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

November 30, 2007

Bertie J. Mishoe 7204 Hwy 701 North Conway, SC 29526

RE: State Dam No. 26-D3620 located just upstream for the Seaboard Coast Line on a tributary of Bug Swamp, Southeast of U.S. Highway 701 in Horry County

Dear Mrs. Mishoe:

With reorganization, the SC Department of Health and Environmental Control became responsible for the Dam Safety Program. Your dam is due its routine inspection under provisions of the SC Dams and Reservoirs Safety Act.

Please be hereby informed that the inspection has been tentatively scheduled Tuesday, December 11, 2007, at 11:00 a.m. We request that you have someone available to accompany us on the inspection and to update the names and telephone numbers on the Surveillance and Emergency Notification Plan (SENP) for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the SENP. Please take time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC Office

Enclosure

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

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Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD Carl L. Brazel Louisiana W. Wright L. Michael Blackmon

Coleman L. Buckhouse, MD

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

February 2, 2005

Bertie J. Mishoe, owner 7204 Hwy 701 North Conway, S.C. 29526

RE: Reinspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On October 29, 2004, we conducted a routine reinspection of the Mishoe Pond Dam. We would like to thank your manager, Julius Derrick for being available for discussion after the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

un W. Bend

Terry W. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Steven M. Bradley, P.E., Bureau of Water Dams and Reservoirs Safety BOARD: ,⊑li₂abeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon Coleman L. Buckhouse, MD

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

Inspection Report

Date: October 29, 2004

Dam No./ County: 26-D3620/Horry

Representatives of SCDHEC Present: Te

Terry Boyd and Matthew Maxwell

Representatives of Owner Present: None

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Trees (less than 6"diameter) and brush on both the upstream and the downstream slope of the dam should be cut, removed and replaced with a good cover of grass.
- 2. It appeared that some improvements had been made to the crest of the dam since reported in fair condition on the 11-17-94 inspection.
- 3. Debris/mud should be removed from around both corrugated metal pipe inlets to prevent obstruction.
- 4. Informed that the existing drop inlet structure previously noted on the 11-17-94 inspection report has been taken out of operation with no observation of any discharge from the outlet pipe.
- 5. There was evidence of several small erosion/sink hole areas along the top of the dam near the abandoned drop inlet structure that need to be repaired with appropriate fill material consisting of sand/clay. Please note that no construction debris should be used which could cause voids for further erosion and potential seepage through the dam.

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

1. The above two items #1 & 3 as noted in the previous May 24, 2001 inspection report.

Was the Emergency Action Plan Updated? Yes

erry W. Sound Signed

Terry WBoyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Mishoe Dam No. 26-D3620	COUNTY: Horry
As — Owner LX Manager	Operator (Please check one)
of the above reference dam, the person(s) named	d 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 No	

SURVEILLANCE 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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Julius Derrick	10-29-04	Home: (843) 365-3346
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

The ownership of Dam D,	4	
CONCURSE SHALL REAL PRODUCTION AND AN ADDRESS CONTRACT OF A DRESS		
County has changed	(Name of Dam)	
Owner 1*	-	
Address	,,,	
City, State, Zip		1
Telephone Number		
Owner 2 [*] (if applicable) Address		
City, State, Zip		
Telephone Number		
Additional Owner [*] (if applicable) Address		
City, State, Zip		
Telephone Number If owner is a corporation, give name of prin		
		2
	(Previous Owner's	Signature)
	Previous Own	er's Name

Mail Above Notification To:

4

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon Coleman L. Buckhouse. MD

South Carolina Department of Health and Environmental Control C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment

October 26, 2004

Bertie J. Mishoe 7204 Hwy. 701 North Conway, SC 29526

Re: State Dam No. 26-D3620 located just upstream for the Seaboard Coast Line on a tributary of Bug Swamp, Southeast of U.S. Highway 701 in Horry County

Dear Mrs. Mishoe

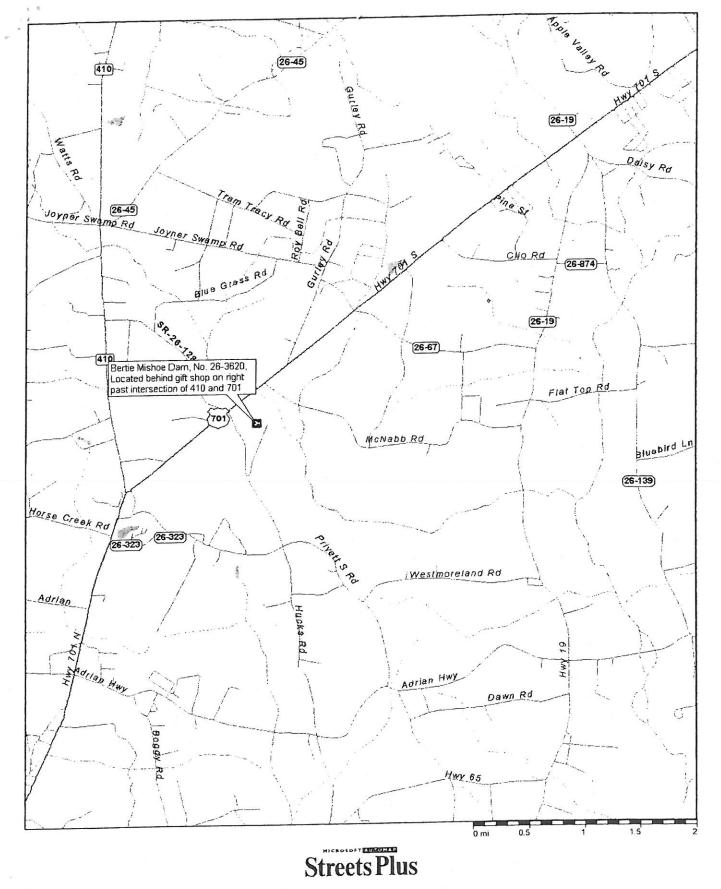
With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to my telephone conversation with your manager, Julius Derrick on October 21, 2004. I, the District Engineer along with Matthew Maxwell from our office, have tentatively scheduled Friday, October 29, 2004, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 11:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Terry W. Boyd District Engineer Waccamaw EQC District



Bertie Mishoe Dam: No. 26-D3620

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Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

June 19, 2001

Bertie J. Mishoe, owner 7204 Hwy 701 North Conway, S.C. 29526

RE: Reinspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On May 24, 2001, we conducted a routine reinspection of the Mishoe Pond Dam. We would like to thank you for being available for discussion concerning the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terroy W. /Sough

Terry ♥. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: May 24, 2001

Dam No./ County: 26-D3620/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present:

Bertie Mishoe, owner was present but did not participate in the reinspection

Shauna Fowler and Terry Boyd

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Trees(less than 6" diameter) and brush on the downstream slope should be cleared off and replaced with a good cover of grass.
- 2. It appeared that some improvements had been made to the crest of the dam since reported in fair condition on the 11-17-94 inspection.
- 3. Verification was made that a type of trash guard had been installed to provide some level of protection to the two corrugated metal pipes at the left (when looking downstream) end of the dam.
- 4. Debris/mud should be removed from around both corrugated metal pipe inlets to prevent obstruction.
- 5. Informed that the existing drop inlet structure previously noted on the 11-17-94 inspection has been taken out of operation with no observation of any discharge from the outlet pipe.

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

1. The above two items #1 & 2 as noted in the previous April 7, 1998 inspection report.

Was the Emergency Action Plan Updated ? Yes

eny W. Signed

Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Mishoe Dam No. 26-D3620	COUNTY: Horry
As \Box Owner \Box Manager \Box (Operator (Please check one)
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 Not	ification Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 392-3141
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Julius Derrick	5-24-01	Home: (843) 365-3346
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	, Date
The ownership of Dam D,	
County has ch	(Name of Dam) nanged. The new owner(s) are:
Owner 1*	
Address	
City, State, Zip	
Telephone Number	
Owner 2 [*] (if applicable) Address	
City, State, Zip	
Telephone Number	
Additional Owner (if applicable) Address	
City, State, Zip	
Telephone Number *If owner is a corporation, give name o	of principal contact person:
	(Previous Owner's Signature)
	Previous Owner's Name
н. С	
ail Above Notification To: S.C. Departmer	Previous Owners Address

Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

May 21, 2001

Bertie J. Mishoe 7204 Hwy. 701 North Conway, SC 29526

Re: State Dam No. 26-D3620 located just upstream for the Seaboard Coast Line on a tributary of Bug Swamp, Southeast of U.S. Highway 701 in Horry County

Dear Mrs. Mishoe

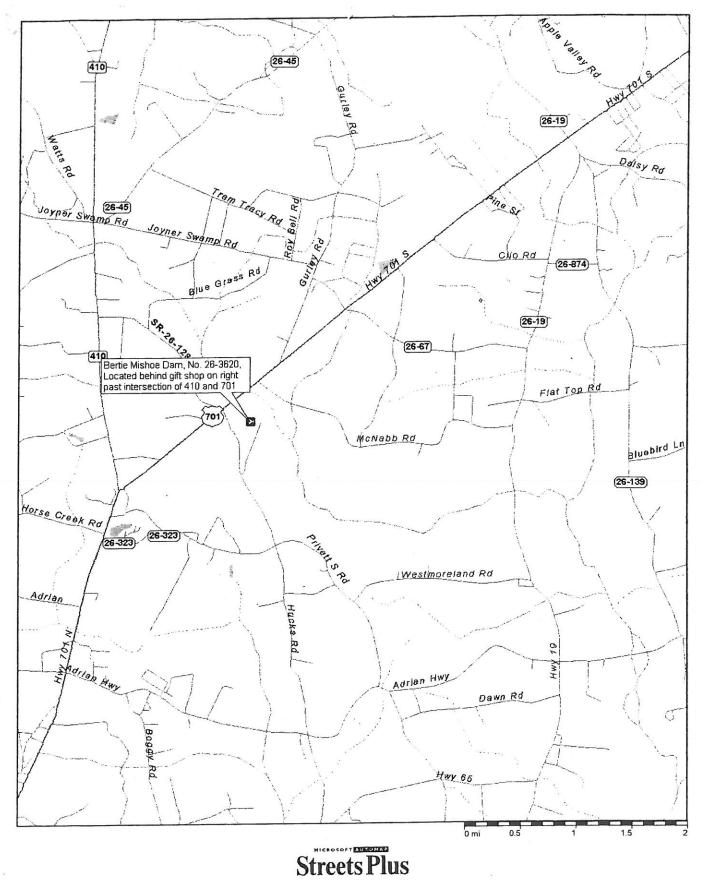
With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to my telephone conversation with Julius Derrick. I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday, May 24, 2001, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

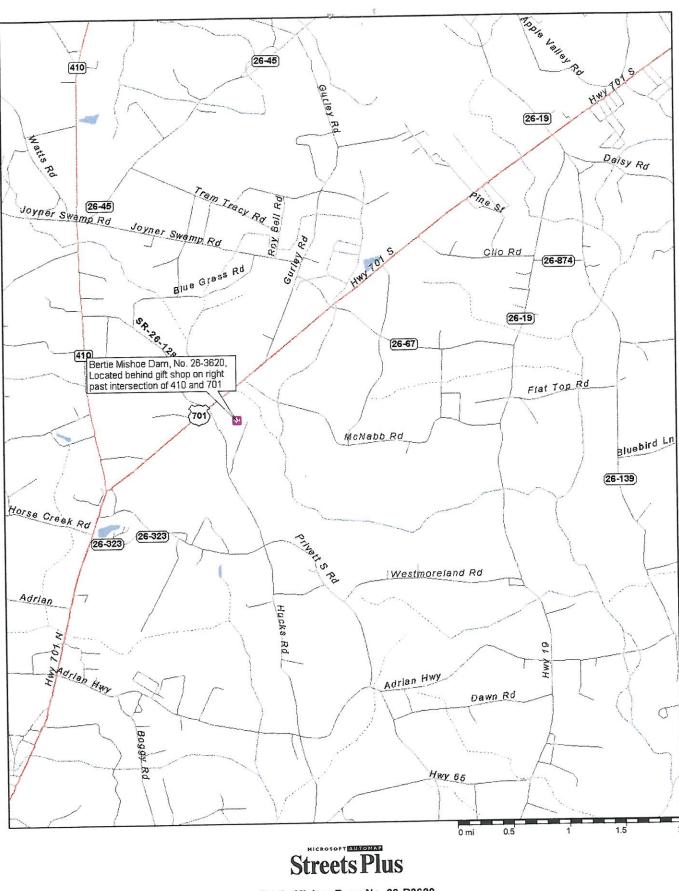
Sincerely,

Shauna M. Fowler District Engineer

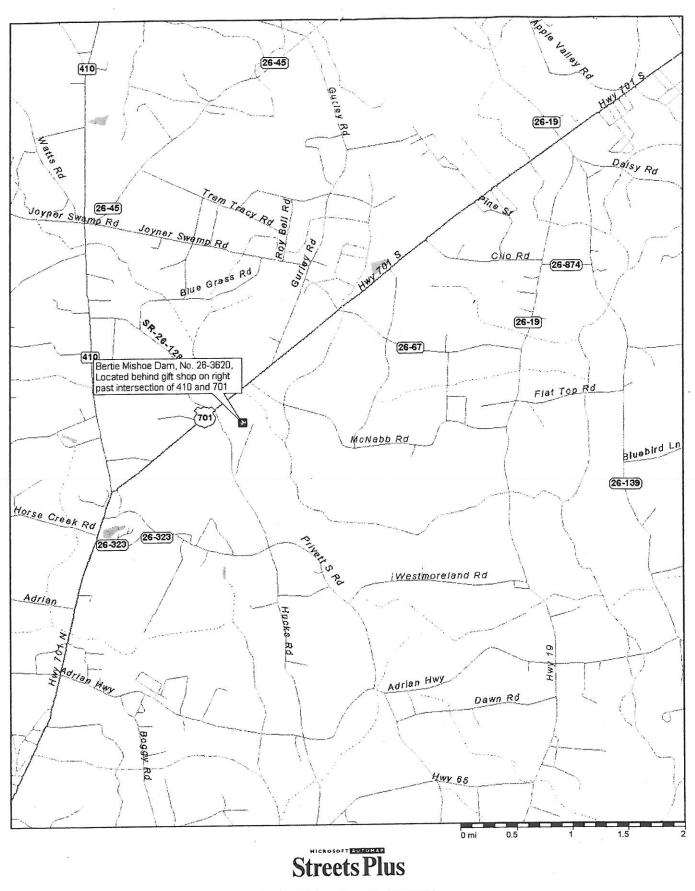


Bertie Mishoe Dam: No. 26-D3620

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Bertie Mishoe Dam; No. 26-D3620 Inspected 04-98, due 04-2001



Bertie Mishoe Dam; No. 26-D3620 Inspected 04-98, due 04-2001

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South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

May 19, 1998

Bertie J. Mishoe, owner 7204 Hwy 701 North Conway, S.C. 29526

RE: Reinspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On April 7, 1998, we conducted a routine reinspection of the Mishoe Pond Dam. We would like to thank Mr. Julius Derrick for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

enn. W. Soyd

Terry W. Boyd Waccarnaw EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division



South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Fred Earnhardt and Terry Boyd

Date: April 7, 1998

Dam No./ County: 26-D3620/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present: Julius Derrick

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Trees(less than 6" diameter) and brush on the downstream slope should be cleared off and replaced with a good cover of grass.
- 2. It appeared that some improvements had been made to the crest of the dam since reported in fair condition on the 11-17-94 inspection.
- 3. The two corrugated metal pipes at the left (when looking downstream) end of the dam are unprotected by any type of trash guard. The owner agreed to proceed with our recommedation on the type of trash guard to be installed.
- 4. Informed that the existing drop inlet structure previously noted on the 11-17-94 inspection has been taken out of operation with no observation of any discharge from the outlet pipe.

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

1. The previous 11-17-94 inspection reported that the dam was in essentially the same condition as at the time of the last inspection in 1991 with reference to the above noted items 1 & 3.

Was the Emergency Action Plan Updated ? Yes

Signed

Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Mishoe Dam No. 26-D3620				COUNTY: Horry		
As	Owner	Manager	Operator	(Please check one)		
of the a	bove reference dam, the	person(s) named	d below are resp	consible for safe maintenance and operation	or	

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

SURVEILLANCE 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, <u>Terry Boyd</u> (843)-448-1902 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 (803) 661-4700
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Preparedness Agency (843) 248-1225 Horry County Police (843) 248-6241
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: 1-888-481-0125 (toll free)

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for	r implementing Surveilla	ance Plan and Emerger	ncy Notificati	on Plan:
Kuluer	Alure R	4-7-98	803	3653346
Name		Date		Telephone
DHEC 2606(07/97)				

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

		Date		
The ownership of Dam D		in		
	(Name of Dam) ounty has changed. The new owner(s)			
Owner 1 [*]				
Address				
City, State, Zip 🔔				
Telephone Number				
(if applicable)				
City, State, Zip 🔔				
Telephone Number	ſ	-		
(if applicable)				
City, State, Zip		-		
	n, give name of principal contact person			
	(Previous Owner	's Signature)		
	Previous Ow	vner's Name		
Mail Above Notification To:	Previous Ow S.C. Department of Health and Environmental	ners Address		
Wai Above Notification To:	Dams and Reservoirs Safety 2600 Bull Street			

Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390 Serving Georgetown, Horry, and Williamsburg Counties

March 23, 1998

Bertie J. Mishoe, owner 7204 Hwy. 701 North Conway, South Carolina 29526

Re: State Dam No. 26-D3620, located just upstream for the Seaboard Coast Line on a tributary of Bug Swamp, Southeast of U.S. Highway 701 in Horry County.

Dear Mrs. Mishoe:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Tuesday, April 7, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our April 7th inspection.

Sincerely,

Fred K. Earnhardt Section Manager Waccamw EQC

From:George BallentineTo:MYRBCH30.BOYDTWDate:7/14/98 11:17amSubject:Telephone Call About Trees

18

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Terry: I received a telephone call yesterday from Rep. Bill Witherspoon about the dam of one of his constituents, Julius Derrick, and Mr. Derrick subsequently called me also. They said you inspected Mr. Derrick's dam and told him he would have to cut all the large pine trees from the downstream slope. I told them that something must have gotten lost in the translation, and that our policy for old dams already overgrown was to let the owner keep all the trees larger than 6" at the bottom until they died or blew down. Anything less than 6" at the bottom should be cut and cleared away so that the dam could be adequately inspected. Mr. Derrick asked that I send a message to you regarding our conversation. Call me or E-mail me back if I have created a problem for you. George From:Terry BoydTo:COLUMB32 (ballengd)Subject:Telephone Call About Trees -Reply

GOOD MORNING GEORGE

 ${}_{a}T$

Thanks for your E-Mail regarding your conversation with Julius Derrick on the tree policy!

No, you have not created a problem for me. I also agree that something must have gotten lost in the translation because I knew about this tree policy from our previous discussions/meetings. It is unfortunate that Julius Derrick did not contact me for clarification on this misunderstanding.

The inspection report which was included in the correspondence sent to Julius Derrick also clearly states in the list of noted deficiencies that trees less than 6" diameter and brush on the downstream slope should be cleared off and replaced with a good cover of grass.

By the way, Fred Earnhardt and I appreciated the opportunity to have Steve Bradley meet with us in June for additional training on dam inspections in Williamsburg County

THANKS! TAKE CARE!

TERRY.



South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: April 7, 1998

Dam No./ County: 26-D3620/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present:

Julius Derrick

Fred Earnhardt and Terry Boyd

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Trees(less than 6" diameter) and brush on the downstream slope should be cleared off and replaced with a good cover of grass.
- 2. It appeared that some improvements had been made to the crest of the dam since reported in fair condition on the 11-17-94 inspection.
- 3. The two corrugated metal pipes at the left (when looking downstream) end of the dam are unprotected by any type of trash guard. The owner agreed to proceed with our recommedation on the type of trash guard to be installed.
- 4. Informed that the existing drop inlet structure previously noted on the 11-17-94 inspection has been taken out of operation with no observation of any discharge from the outlet pipe.

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

1. The previous 11-17-94 inspection reported that the dam was in essentially the same condition as at the time of the last inspection in 1991 with reference to the above noted items 1 & 3.

Was the Emergency Action Plan Updated ? Yes

Signed

Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)



South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

May 19, 1998

Bertie J. Mishoe, owner 7204 Hwy 701 North Conway, S.C. 29526

RE: Reinspection of Dam No. 26-D3620, Mishoe Pond Dam, Horry County

Dear Mrs. Mishoe:

On April 7, 1998, we conducted a routine reinspection of the Mishoe Pond Dam. We would like to thank Mr. Julius Derrick for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, the railroad downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

erry, W. Boyd

Terry W. Boyd Waccamaw EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division



Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman Robert J. Stripling, Jr., Vice Chairman Sandra J. Molander, Secretary

John H. Burriss William M. Hull, Jr., MD Roger Leaks, Jr. Burnet R. Maybank, Ill

Promoting Health, Protecting the Environment

November 17, 1994

Bertie J. Mishoe Rt. 4, Box 116 Conway, S.C. 29526

Re: Mishoe Pond Dam, State Dam No. 26-D3620, located just upstream from the Seaboard Coast Line on a tributary of Bug Swamp, southeast of U. S. Highway 701 in Horry County

Dear Mr. Mishoe:

In accordance with the South Carolina Dams and Reservoirs Safety Act, the S.C. Department of Health and Environmental Control has inventoried all dams subject to the Act. The inventory identifies certain dams that come under the provisions of the Act due to their size and location.

The above referenced dam has been identified as being in this category and a visual reinspection has been made. This inspection was done to determine the present condition of the dam and note any changes that may have occurred since the last inspection.

The findings of the inspection are as follow:

- 1. The dam is considered to be a Class II structure (significant downstream hazard potential) due to probable damage to downstream property in the event of failure.
- 2. The dam is in essentially the same condition as at the time of the last inspection.

Mishoe Pond Dam November 17, 1994 Page 2

- 3. There are trees and brush on the downstream slope. These should be cleared off and replaced by a good cover of grass.
- 4. The drop inlet structure has no trash guard and is in poor condition. It was not clear whether this structure was in operating condition at the time of the inspection.
- 5. The crest of the dam is in fair condition.
- 6. The two corrugated metal pipes at the left (when looking downstream) end of the dam are unprotected by any type of trash guard.

The hydrologic and hydraulic studies necessary to determine the adequacy of the spillway system to safely pass the design flood for a dam of this size and hazard class were not a part of this inspection.

We suggest that you establish a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems which may affect the safety of the dam.

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

A recent change to the S. C. Dams and Reservoirs Safety Act requires the owner to notify us in writing within 30 days after title to the dam has been legally transferred to someone else.

If you have any questions, please call.

Sincerely,

Rick Nuzum, P.E. Regional Engineer Dams and Reservoirs Safety Program

enclosures

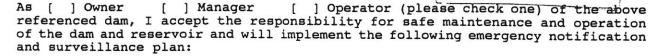
cc: Dr. George Ballentine, SCDHEC

LAND RESOURCES COMMISSION DAMS AND RESERVOIRS SAFETY PROGRAM

EMERGENCY NOTIFICATION AND SURVEILLANCE

NAME AND DESCRIPTION OF DAM

Mishoe Pond Dam, State Dam No. 26-D3620



SURVEILLANCE PLAN

, c. - **h**

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 Engineer, Rick Nuzum, 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
- 2. Local Highway Maintenance Engineer
- 3. Local Police Department, Civil Defence Director, and other county or town officials.
- 4. S. C. Land Resources Commission, Columbia, S.C , Telephone 734-9100

Person responsible for implementing the Emergency Notification and Surveillance Plan:

) Mishoe Bartie Name (Please Print)

365388 Telephone

Telephone

(5 W NOV 2 1 1991











































CERTIFIED MAIL

January 28, 2011

Heather Lakes Homeowners Association Attn: Clint Acton, President PO Box 2046 Little River, SC 29566-2046

RE: Inspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Acton:

On November 1, 2010, Larry Ragsdale, Ted Ambrose, and I conducted a routine inspection of the Lower Heather Lakes Dam. I would like to thank you and the other members of the Heather Lakes Homeowners Association for meeting with us.

Enclosed is a copy of the inspection report. Overall, the dam appears to be in <u>satisfactory condition</u> and your maintenance program is sufficient. As a reminder, a maintenance program should include repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. In addition, please perform continuous periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, US Hwy 17 downstream will need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of this dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

You will be notified when the next inspection of this dam is due.

Sincerely,

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

Enclosures

BOW cc: **Project** File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6



INSPECTION REPORT

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: November 1, 2010 26-D3623/Horry Larry Ragsdale, Ted Ambrose, & Scott Roberts Heather Lakes HOA (Clint Acton, President & Rich Sloboda, Lakes & Grounds Committee Chair) Other Members of Lakes and Grounds Committee

Others Present:

List of noted deficiencies or items requiring correction/checking:

None.

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

None.

Was the Emergency Action Plan Updated? Yes

Signed:

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lowe	r Heather Lakes Da	m No. 26-D3623		COUNTY:	Horry
As	Lx Owner	Manage	r Operator	(Please check one) re responsible for safe ma	intenance and
opera	tion of the above	e dam and reservo	pir and are resp	onsible for implementing	the following
Surve	illance Plan and th	e following Emerge	ncy Notification	Plan:	

SURVEILLANCE 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, <u>Region 6, Myrtle</u> **Beach EQC Office:** (843) 238-4378 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: (843) 365-5001
- 2. Local Highway Maintenance Engineer: (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450*
 - S.C. Department of Health and Environmental Control, Columbia, S.C.
 - Tel. Emergency Response: 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Heather Lakes HOA (Clint Acton, President)	10-1-10	(843) 249-0302
Name	Date	Telephone

Or

Rich Sloboda, Lakes & Grounds Committee Chair	10-1-10	(843) 281-4419
Name	Date	Telephone

DHEC 2606(05/01)

4.



CERTIFIED MAIL

January 5, 2009

Heather Lakes Homeowners Association C/O Bob Weldon PO Box 2046 Little River, SC 29566-2046

RE: Inspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Weldon:

On Monday, December 15, 2008, the Region 6, Myrtle Beach EQC Office conducted a routine inspection of the Lower Heather Lakes Dam. I would like to thank you and the other members of the Heather Lakes Homeowners Association for meeting me.

Enclosed is a copy of the inspection report. Overall, the dam appears to stable and your maintenance program is sufficient. We encourage you to continue routine maintenance for this will help to ensure future stability of the dam. As a reminder, a proper maintenance program should include performing periodic inspections, removing brush and small trees, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free of obstructions and in good operating condition. Please notify this office immediately of any significant changes or problems that you or any other homeowners become aware of that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, US Hwy 17 downstream will need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of this dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

The next inspection of this dam is due in December, 2011. We will contact you a couple of months prior to set a specific date and time. If you have any questions please call me @ (843) 238-4378.

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhee.gov



INSPECTION REPORT

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: December 15, 2008 26-D3623/Horry Scott Roberts Lakes and Grounds Committee of the Heather Lakes Homeowners Association

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

None.

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

None.

Was the Emergency Action Plan Updated? Yes

Signed:

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lower I	Heather Lakes Dam No.	26-D3623		<u>C</u>	OUNTY:	Horry
As	Owner	└── └x┘ Manager	Operator	· (Please ch	neck one)	
	above reference dam, t					intenance and
operatio	on of the above dam	and reservoir	and are resp	onsible for	implementing	the following
	ance Plan and the follo					

SURVEILLANCE 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, <u>Region 6, Myrtle</u> <u>Beach EQC Office: (843) 238-4378</u> 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: (843) 365-5001
- 2. Local Highway Maintenance Engineer: (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450*
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Bob Weldon	1-5-09	Home: (843) 280-2481	
Name	Date	Telephone	

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

				Date
	hip of Dam D <u>- 362</u>		<u>ner Lakes Dam</u> in _(Name of Dam) ed. The new owner(s) are:
	Owner 1*			
	Address			
	City, State, Zip 🗕			
	Telephone Number	·		
	(if applicable)			
	City, State, Zip 🗕			
	Telephone Number	r		
	(if applicable)			t.
	City, State, Zip			
[•] If ov	Telephone Number vner is a corporatior	n, give name of prin	cipal contact person:	
			(Previous Owner's	Signature)
×			Previous Own	er's Name
			Previous Own	
Mail Above No	otification To:	S.C. Department of H Dams and Reservoirs 2600 Bull Street Columbia, SC 29201	ealth and Environmental C Safety	ontrol

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

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DHEC 2605(6/94)

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January 31, 2006

Heather Lakes Homeowners Association c/o John Malakar P.O. Box 2046 Little River, S.C. 29566-2046

RE: Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Malakar:

On December 8, 2005, we conducted a routine reinspection of the Lower Heather Lakes Dam. We regret that you could not be available. We would like to thank you for having Mr. Bob Weldon and also Mr. Dick Nardi with the Heather Lakes Homeowners Association meet with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the construction improvements to the dam are sufficient and the proper application of periodic maintenance and inspection will help ensure the dam's stability in the future. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terry/W. Boyd " Region 6, Myrtle Beach EQC

Enclosures cc: Steven M. Bradley, P.E., Bureau of Water Dams and Reservoirs Safety

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6



Inspection Report

Date: December 8, 2005

Dam No./ County: 26-D3623/Horry

Representatives of SCDHEC Present:

Terry W. Boyd and Scott Roberts

Representatives of Owner Present:

Bob Weldon Dick Nardi-Heather Lakes Homeowners

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

None.

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

None

Emergency Action Plan Updated: Yes/No: Yes

un W. Boyd Signed

Terry W. Boyd, Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lower Heather Lakes Dam No. 26-D3623 COUNTY: Horry

L Owner As 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:

SURVEILLANCE 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, SCDHEC (843) 238-4378 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.

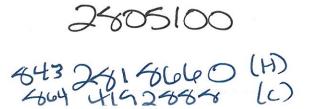
- South Carolina Highway Patrol (843) 365-5001 1.
- 2. Local Highway Maintenance Engineer (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 915-5450
- S.C. Department of Health and Environmental Control, Columbia, S.C. 4. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

John Matakar	12-8-05		Home: (843) 280-0522
Name	Date	a 10	Telephone

DHEC 2606(05/01) Jerry Welsh Chuck Kelly



NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

		7	, · ·	Date
		23, Lower Heath	ner Lakes Dam in (Name of Dam) ed. The new owner(s	s) are:
<u></u>				-,
	Owner 1*			
	Address			
	City, State, Zip _			а. А
2	Telephone Numbe	r		
	(if applicable)			
*	City, State, Zip _	5		
	Telephone Numbe	r		
21	(if applicable)			
	City, State, Zip			
t a	Telephone Number	r		
*If ow			cipal contact person:	
	• •			
		• • •	(Previous Owner's	Signatture)
		•	Previous Owr	ier's Name
			7	
			Previous Own	
Mail Above No	tification To:	S.C. Department of He Dams and Reservoirs S 2600 Bull Street	ealth and Environmental C Safety	Control

Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

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December 5, 2005

Heather Lakes Homeowners Assoc. c/o John Malakar P.O. Box 2046. Little River, SC 29566-2046

Re: State Dam No. 26-D3623 located just upstream from U.S. 17 on a tributary of Mullet Creek in east Horry County.

Dear Mr. Malakar:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on December 2, 2005. I, along with Scott Roberts from our office have tentatively scheduled Thursday, December 8, 2005, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Lerry W. Boyd

Terry/W. Boyd Region 6, Myrtle Beach EQC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6



January 31, 2006

Heather Lakes Homeowners Association c/o John Malakar P.O. Box 2046 Little River, S.C. 29566-2046

RE: Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Malakar:

On December 8, 2005, we conducted a routine reinspection of the Lower Heather Lakes Dam. We regret that you could not be available. We would like to thank you for having Mr. Bob Weldon and also Mr. Dick Nardi with the Heather Lakes Homeowners Association meet with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the construction improvements to the dam are sufficient and the proper application of periodic maintenance and inspection will help ensure the dam's stability in the future. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terry/W. Boyd " Region 6, Myrtle Beach EQC

Enclosures cc: Steven M. Bradley, P.E., Bureau of Water Dams and Reservoirs Safety

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6



Inspection Report

Date: December 8, 2005

Dam No./ County: 26-D3623/Horry

Representatives of SCDHEC Present:

Terry W. Boyd and Scott Roberts

Representatives of Owner Present:

Bob Weldon Dick Nardi-Heather Lakes Homeowners

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

None.

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

None

Emergency Action Plan Updated: Yes/No: Yes

W. Signed

Terry W. Boyd, Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lower Heather Lakes Dam No. 26-D3623 COUNTY: Horry

Cowner LXJ Manager Deperator (Please check one)

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:

SURVEILLANCE PLAN

As

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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

John Malakar	12-8-05	Home: (843) 280-0522
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	* 4 ×		Date
The ownership of Dam [Horry		<u>Heather Lakes Dam</u> in (Name of Dam) hanged. The new owner(s	s) are:
Owner 1*		- 	
Address			
City, State,	, Zip		
Telephone	Number		
(if applicable)		· · · · · · · · · · · · · · · · · · ·	
(if applicable)			
City, State,	Zip		
Telephone N If owner is a corp	Number poration, give name of	principal contact person:	
*	2)		
		(Previous Owner's	Signature)
		Previous Own	er's Name
		Previous Own	ers Address
Mail Above Notification To:	S.C. Department Dams and Reserv 2600 Bull Street	of Health and Environmental C voirs Safety	ontrol

Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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

December 5, 2005

Heather Lakes Homeowners Assoc. c/o John Malakar P.O. Box 2046. Little River, SC 29566-2046

Re: State Dam No. 26-D3623 located just upstream from U.S. 17 on a tributary of Mullet Creek in east Horry County.

Dear Mr. Malakar:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on December 2, 2005. I, along with Scott Roberts from our office have tentatively scheduled Thursday, December 8, 2005, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

erry W. Bayd

Terry W. Boyd Region 6, Myrtle Beach EQC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties

Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov

Terry Boyd - Heather Lakes

From:Steven BradleyTo:Boyd, TerryDate:10/27/2003 8:48 AMSubject:Heather Lakes

Good morning, Terry.

John Seay from Heather Lakes called and asked for someone from DHEC to come by and see if the construction looks okay. I think they're finished with the construction.

His phone number is 843.249.8998.

I told him that you would probably not make a special trip but that you may visit the site when you're in the area.

I hope everything is going well for you. Contact me if you have any questions or have other concerns about the dam.

Thank you,

Steve Bradley

12-2-05 NEW MANAGER _ JOHN MALAKAR Lakes 2 GROUNDS (H)_280-0522 (C)_274-4831

PRESIDENT OF HOA - DICK NANDI (H) 281-1020 From:Steven BradleyTo:Boyd, TerryDate:6/11/03 8:59 ASubject:Heather Lakes

Terry,

Ms. Pat Franken called and wanted me to come up and look at the dam. The construction is essentially finished, I believe, with the exception being that some grassing has to be redone because of heavy rains in the past couple of weeks.

Anyway, if you're in the vicinity, I hope that you'll stop by and look at the dam. The engineer has certified the construction as being complete. I don want you to make a special trip to do this. I told Ms. Franken that I may come by to look at the dam in the fall, if my wife and I make it down then. you do look at the dam, please let Ms. Franken know your opinion of the dam and improvements.

I hope everything is going well for you. If you need anything from me, please contact me.

Thanks,

Steve Bradley





MAR 2 0 2003

WACCAMAW DISTRICT ENVIRONMENTAL QUALITY CONTROL

2600 Bull Street Columbia, SC 29201-1708

> SC DHEC Bureau of Water Dams & Reservoir Safety Section

March 18, 2003

Heather Lakes Homeowners' Association Post Office Box 1419 Little River, South Carolina 29566-1419

RE: Construction Plans, D-3623, Lower Heather Lakes Dam, Horry County

Dear Sir or Madam:

Based on the certification of your engineer, Mr. Robert L. Bellamy, the construction improvements to the referenced dam are sufficient for your dam to be considered to be in compliance with the requirements for a permitted dam. The proper application of periodic maintenance and inspection will help ensure the dam's stability in the future.

Our district engineering staff will inspect this dam every three years. The next inspection will be about two years from now and you should receive notification of this from the inspector.

We require you to monitor the conditions of the corrugated metal riser pipe (or "standpipe"), the corrugated metal outlet pipe (the pipe through the dam), the dam slopes and any trees left in the vicinity of the dam. Also, if problems are being experienced at the dam such that you believe failure of the dam is imminent, please implement the "Emergency Notification and Surveillance Plan."

If you have any questions or comments, I may be reached at (803) 898-4027.

Sincerely,

Bralley Steven M. Bradley, I

Dams and Reservoirs Safety Section

Cc:¹Mr. Terry Boyd, DHEC Waccamaw District Mr. Bob Bellamy, PE, Robert L. Bellamy & Assoc., Inc.



2600 Bull Street Columbia, SC 29201-1708



JAN 3 0 2003

WACCAMAW DISTRICT ENVIRONMENTAL QUALITY CONTROL

SC DHEC Bureau of Water Dams & Reservoir Safety Section

January 28, 2003

Heather Lakes Homeowners' Association Post Office Box 1419 Little River, South Carolina 29566-1419

RE: Restoration Plans D-3623, Lower Heather Lakes Dam, Horry County

Dear Sir or Madam:

Mr. Bob Bellamy, your engineer hired to design measures for stabilizing your dam, has informed me that items called out on the plans for construction are being considered for elimination by your homeowners' association in an effort to save construction costs. My opinion is that this economizing of construction costs for stabilizing the dam is shortsighted and could lead to undesirable consequences.

Valuable time has elapsed with this project not being completed. The dam elevation should be raised to an elevation providing one-half foot of freeboard from the 100-year pool elevation. The best interests of all parties involved would be for this construction to be completed and for final grassing of the dams' surface to be established. Other items called out in the approved plans should also be completed.

My conversation with a member of your association was in error when I stated that some of the work could be performed "in-house." This issue is simply not my concern. My desire is that this dam rehabilitation project be brought to satisfactory completion in compliance with the engineer's plan.

If you have any questions or comments, I may be reached at (803) 898-4027.

Sincerely, Steven M. Bradley, P.E.

Dams and Reservoirs Safety Section

Cc: Mr. Terry Boyd, DHEC Waccamaw District Mr. Bob Bellamy, PE, Robert L. Bellamy & Assoc., Inc.



2600 Bull Street Columbia, SC 29201-1708

OCT 1 2002

Waccamaw District Environmental Quality Control

SC DHEC Bureau of Water Dams & Reservoir Safety Section

September 23, 2002

Heather Lakes Homeowners' Association Post Office Box 1419 Little River, South Carolina 29566-1419

RE: Intermediate Inspection of Maintenance Improvements, Dam D-3623, Lower Heather Lakes Dam, Horry County

Dear Sir or Madam:

On September 20, 2002, I met with representatives of your homeowners' association and Bob Bellamy, your engineer, for a "walk-through inspection" of the clearing and brush removal that has been recently performed on the referenced dam. The clearing appeared to have been about eighty to ninety percent (80 - 90%) complete.

My professional judgment is that the dam clearing, including the brush and tree removal, has been performed properly.

The following items are yet to be performed:

- 1.) The remaining stumps and vine stubs should be treated so that they die. Since some of this vegetation is located adjacent to Mullet Creek, proper procedures should be implemented so that the waterway is not adversely affected.
- 2.) Low spots should be raised by adding fill material.
- 3.) The new trashrack, described by your engineer, should be submitted for approval prior to installation.
- 4.) The newly cleared and graded areas should be grassed.
- 5.) A routine maintenance program should be developed and followed.
- 6.) The dam should also be monitored for "sinkhole(s)" and seepage in the vicinity of the principal spillway outlet pipe through the dam.
- 7.) The dam should also be monitored for burrowing animals and the appearance of other voids in the dam or on its slopes.
- 8.) The remaining trees should be monitored. As the trees die, the tree and stump should be removed. Any voids resulting from this action should be filled, properly compacted and the surface vegetated with grass.

The implementation of an auxiliary emergency spillway will not be required at this time. I do not foresee this as a future requirement unless the dam classification changes.

If you have any questions or comments, I may be reached at (803) 898-4027.

Sincerely,

Z

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Steven M. Bradley

Steven M. Bradley, P.E. Dams and Reservoirs Safety Section SC DHEC Bureau of Water

Cc: Mr. Terry Boyd, DHEC Waccamaw District



2600 Bull Street Columbia, SC 29201-1708



IAY 1 4 2002

Waccamaw District

SC DHEC Bureau of Water Dams & Reservoir Safety Section

May 7, 2002

Heather Lakes Homeowners' Association Post Office Box 1419 Little River, South Carolina 29566-1419

RE: Inspection of Dam D-3623, Lower Heather Lakes Dam, Horry County

Dear Sir or Madam:

On April 25, 2002, Terry Boyd of the DHEC Waccamaw District Office and I met with representatives of your homeowners' association so that we could assess the condition of the dam in consideration of recent unauthorized construction relating to the dam. We informed the homeowners' representatives that additional construction plans could be required for review by this office prior to construction. The purpose of the plans will be to mitigate the recent construction, as we believe the construction may have been performed in such a manner detrimental to the stability and structural integrity of the dam.

The following adverse conditions were noted at the dam:

- 1.) Trees and undesirable brushy vegetation were prevalent in many portions of the dam, as has been noted on previous re-inspection reports.
- 2.) We were informed that a void in the dam, possibly created by a burrowing animal, had been repaired using a mixture of fill material and random --- construction debris.
- 3.) A void was located that may have been dug by a burrowing animal. More voids may have been located if an adequate search was performed throughout the portions of the dam where the dense, undesirable vegetation was dominant.
- 4.) The emergency spillway had been filled due to residential construction and its associated landscaping.

To mitigate these deficiencies and lessen the potential for future problems, the following items need to be addressed:

- 1.) A schedule should be established for clearing the brush, smaller trees (less than 6" in diameter) and other undesirable vegetation from the dam and establishing a grass cover for the dam slopes. We feel the removal of the adverse vegetation will provide less cover for the undesirable, burrowing animals presently impacting the dam and thus lessen the potential for future problems.
- 2.) An engineer should be hired to design an auxiliary spillway system for our review prior to construction. At the present time, we suggest an outlet pipe system similar to and supplementing the present primary spillway corrugated pipe structure. The proposed system, to meet our minimum design requirements for this dam, should be designed so that the peak pond elevation during the 100-year design flood rises to a point no higher than 0.5 feet below the minimum top elevation of the dam. After approval by this office, we expect the auxiliary system to be installed, in accordance with the approved plan, within one year.
- 3.) The engineer should assess the situation existing at the location where the void in the dam was repaired and make recommendations, if needed, for correcting any deficiencies resulting from this construction.

Please note that, under no circumstances, are we required to be involved in any decision requiring immediate actions you must make to ensure the stability of your dam. We do desire, however, that you consult and employ someone who is knowledgeable about dams and the proper procedures for repairing and maintaining the dam so that you can retain its usage in the most responsible manner possible. The incorporation of construction debris, for instance, within the dam embankment, is incompatible with the stability of the dam as the debris may provide voids for future seepage through the dam. Also, the grading and landscaping, recently performed in the vicinity of the emergency spillway so as to render the spillway ineffective during flooding conditions, is not compatible with the long term structural stability of the dam. We remind you that the dam owner is responsible for the safety of the dam and may be found liable for damages resulting from the dam's failure.

Again, we strongly encourage you to remove the adverse vegetation, establish a grass cover on the dam, and develop a routine maintenance program for the dam. The maintenance program should include removing brush and small trees from the dam, repairing any eroded areas of the dam and keeping the spillway system free from debris. The larger trees allowed to remain on the dam should be monitored for their condition. The spillway pipes and vicinity should be monitored for signs of abnormal seepage, rusting or corrosion. The dam slopes should also be monitored for signs of animal penetrations. You should perform periodic inspections of the dam and notify Terry Boyd, the Waccamaw District Engineer (ph. (843) 448-1902) of any significant changes or problems, which may affect the safety of the dam.

We look forward to hearing from you. If you have any questions or comments, I may be reached at (803) 898-4027.

Sincerely,

Steven M. Bradley

Steven M. Bradley, P.E. Dams and Reservoirs Safety Section SC DHEC Bureau of Water

Cc: Mr. Terry Boyd, DHEC Waccamaw District Mr. Mike Brown, Manager Mr. Ken Munn

Terry Boyd - Heather Lake

From:	Steven Bradley	
To:	Boyd, Terry	
Date:	5/3/02 3:56 PM	
Subject:	Heather Lake	

Тегту,

I have not gotten around to writing my draft of a letter for your review as I have been busy doing permits. I will get to this on Monday morning (May 6). I have had a few calls from the homeowners.

After thinking about it and considering the past history of some of the poorly constructed dams in the state, the spillway over the dam does not sound like a good idea. I think I may suggest the construction of an auxillary pipe to handle some of the emergency overflow. Also, I am going to suggest that the "filled - in" portion of the dam be periodically monitored for seepage or wet spots. During our time there, we would not have noticed any abnormal seepage in this area as it was raining (I don't think I'll ever forget that rain). I do not feel that much will be accomplished by excavating and backfilling as the rest of the dam is not made up of what I would think would be "good, sound material". For all my doubts about the material in the dam, however, the dam still appears somewhat stable and watertight.

The backslope and frontslope of the dam does need to be cleared of adverse vegetation. I think this is the most critical item that needs addressing.

If you have any other suggestions and/or comments, please contact me.

I hope you have a good weekend. Thank you for your fine company during my visit,

Steve B.

BRIAN CAVANAUGA . MORTHON LAKES S/0, 249-7284 4-15-02 TELORON WITH STAVE BAMER @ 803-898-4027 WIDD "DAM & RESENDIR PERMETRING SEDON IN A.M MND TELEON WAD BAJON CAVANGUGH IN P.M. THE WARE NOTED OF THE Following THE WARE NOTED ON THE LOS 3-28-02 LE-DUSPRITION SF THE HAMPION LAKES NAM # 26-D3623 : 1. The Dom OVER TOPPED From THE SEPT 1999 INARIUNE FLOYD THIS INCLUDED BORT TO HUY IT BY-PASS MO TO MULLETS CREEK HOWEVER THOME WAS NO ENIDENCE OF A DAM FAILURE. NO COMERCIE ABON ON REMAIN TO 2- THE LIMME SINK HOLE FROM BRIMAL PENEMMON INTO THE DAM STOULD IMVE BED MAKEN UNTIL DAR 1MD BOON NOTHED TO DETERMINE DE A Damis HOM A P.E. WAS REquires AND DE USE OF AuguMBLE FUL MADENIAL SO DAT DE STRUCTURE INTERGRITH of THIS SCENUS OF THE DAM WOULD BE JEYONDIZED. THE CONSMUTION DEBAIS WILL IMVE TO BE REMOVED, TWO REPLACED WIDD MUSTER Fill MADRIAL COMPORTS SBND/ CLAY ON PUSSIBILY (0 quinto).

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4 UPSIN OM CAROS REDU INTO THOUM- (MALOF 6 PULOS) LEX DO BAUSON -CONSONY/MON -MJLLETS CNOSK! Huy 17 STAVE BAMBLY 18 ACLES DOM TUNINEL KUPOMis-COMPAISE INTRAJANT STOVE BARADIES PANINT-803-898-4027 DAM & RESLAVOIN Ponmin NSG. Mife BROWN BAIAN Relouve Modol on my spilling! Lownend of turo? Vinny huller huller P. o Boy 1419 Heatburs habes Board of Directors P. 0 Boy 1419 dittle RIVER, SC. 29566 ATTN. SUE PEARSON C GLONIA CALVERLY (INSBAND, CLITT-COMPRIMENT.

From:	Terry Boyd
То:	Bradley, Steven
Subject:	Re: Terry, I have the meeting scheduled for Thursday, April 25.

Steve,

I agree with the meeting scheduled on Thursday, April 25th with your arrival to the office at 10:00 a.m. unless otherwise notified.

THANKS! TAKE CARE,

TERRY

>>> Steven Bradley 04/15/02 11:29AM >>> Terry,

I thought you may have said the 26th. I planned to have this meeting on the Thursday, the 25th. I hope that isn't a problem - get back to me if it is....Thanks,

Steve B.

Terry Boyd - Meeting with Owners

From:Steven BradleyTo:Boyd, Terry; Steven BradleyDate:4/25/02Time:11:18 AM - 1:18 PMSubject:Meeting with OwnersPlace:Heather's Lake dam

Terry, I have the meeting for Thursday, April 25. I will be at your office at 10 a.m. unless otherwise notified. Steve B.



Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

March 18, 2002

Heather Lakes Home Owners Assoc. c/o Mike Brown 4101 Heather Lakes Dr. Little River, SC 29566

Re: State Dam No. 26-D3623 located just upstream from U.S. 17 on a tributary of Mullet Creek in east Horry County.

Dear Mr. Brown:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on March 15, 2002. I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday, March 28, 2002, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3623	COUNTY: Horry
As Owner X Manager	Operator (Please check one)
of the above reference dam, the person(s) nam	ned below are responsible for safe maintenance and
operation of the above dam and reservoir a	nd are responsible for implementing the following
Surveillance Plan and the following Emergency	Notification Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 448-4260
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Mike Brown	3-18-02	Home: (843) 249-3109
Name	Date	Telephone

DHEC 2606(05/01)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

 Heather Lakes Dam No. 26-D3623
 COUNTY: Horry

 As
 Owner
 X Manager
 Operator
 (Please check one)

 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

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, <u>SCDHEC</u> (843) 448-1902 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 (843) 448-4260

Surveillance Plan and the following Emergency Notification Plan:

- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Name

Date

Telephone

DHEC 2606(05/01)



2600 Bull Street Columbia, SC 29201-1708



MAY 1 4 2002

Waccamaw District Environmental Quality Contrad

SC DHEC Bureau of Water Dams & Reservoir Safety Section

May 7, 2002

Heather Lakes Homeowners' Association Post Office Box 1419 Little River, South Carolina 29566-1419

RE: Inspection of Dam D-3623, Lower Heather Lakes Dam, Horry County

Dear Sir or Madam:

On April 25, 2002, Terry Boyd of the DHEC Waccamaw District Office and I met with representatives of your homeowners' association so that we could assess the condition of the dam in consideration of recent unauthorized construction relating to the dam. We informed the homeowners' representatives that additional construction plans could be required for review by this office prior to construction. The purpose of the plans will be to mitigate the recent construction, as we believe the construction may have been performed in such a manner detrimental to the stability and structural integrity of the dam.

The following adverse conditions were noted at the dam:

- 1.) Trees and undesirable brushy vegetation were prevalent in many portions of the dam, as has been noted on previous re-inspection reports.
- 2.) We were informed that a void in the dam, possibly created by a burrowing animal, had been repaired using a mixture of fill material and random --- construction debris.
- 3.) A void was located that may have been dug by a burrowing animal. More voids may have been located if an adequate search was performed throughout the portions of the dam where the dense, undesirable vegetation was dominant.
- 4.) The emergency spillway had been filled due to residential construction and its associated landscaping.

To mitigate these deficiencies and lessen the potential for future problems, the following items need to be addressed:

- 1.) A schedule should be established for clearing the brush, smaller trees (less than 6" in diameter) and other undesirable vegetation from the dam and establishing a grass cover for the dam slopes. We feel the removal of the adverse vegetation will provide less cover for the undesirable, burrowing animals presently impacting the dam and thus lessen the potential for future problems.
- 2.) An engineer should be hired to design an auxiliary spillway system for our review prior to construction. At the present time, we suggest an outlet pipe system similar to and supplementing the present primary spillway corrugated pipe structure. The proposed system, to meet our minimum design requirements for this dam, should be designed so that the peak pond elevation during the 100-year design flood rises to a point no higher than 0.5 feet below the minimum top elevation of the dam. After approval by this office, we expect the auxiliary system to be installed, in accordance with the approved plan, within one year.
- 3.) The engineer should assess the situation existing at the location where the void in the dam was repaired and make recommendations, if needed, for correcting any deficiencies resulting from this construction.

Please note that, under no circumstances, are we required to be involved in any decision requiring immediate actions you must make to ensure the stability of your dam. We do desire, however, that you consult and employ someone who is knowledgeable about dams and the proper procedures for repairing and maintaining the dam so that you can retain its usage in the most responsible manner possible. The incorporation of construction debris, for instance, within the dam embankment, is incompatible with the stability of the dam as the debris may provide voids for future seepage through the dam. Also, the grading and landscaping, recently performed in the vicinity of the emergency spillway so as to render the spillway ineffective during flooding conditions, is not compatible with the long term structural stability of the dam. We remind you that the dam owner is responsible for the safety of the dam and may be found liable for damages resulting from the dam's failure.

Again, we strongly encourage you to remove the adverse vegetation, establish a grass cover on the dam, and develop a routine maintenance program for the dam. The maintenance program should include removing brush and small trees from the dam, repairing any eroded areas of the dam and keeping the spillway system free from debris. The larger trees allowed to remain on the dam should be monitored for their condition. The spillway pipes and vicinity should be monitored for signs of abnormal seepage, rusting or corrosion. The dam slopes should also be monitored for signs of animal penetrations. You should perform periodic inspections of the dam and notify Terry Boyd, the Waccamaw District Engineer (ph. (843) 448-1902) of any significant changes or problems, which may affect the safety of the dam.

We look forward to hearing from you. If you have any questions or comments, I may be reached at (803) 898-4027.

Sincerely,

Steven M. Bradley

Steven M. Bradley, P.E. Dams and Reservoirs Safety Section SC DHEC Bureau of Water

Cc: Mr. Terry Boyd, DHEC Waccamaw District Mr. Mike Brown, Manager Mr. Ken Munn



Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

March 18, 2002

Heather Lakes Home Owners Assoc. c/o Mike Brown 4101 Heather Lakes Dr. Little River, SC 29566

Re: State Dam No. 26-D3623 located just upstream from U.S. 17 on a tributary of Mullet Creek in east Horry County.

Dear Mr. Brown:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on March 15, 2002. I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday, March 28, 2002, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3623	COUNTY: Horry
As Owner X Manager	Operator (Please check one)
of the above reference dam, the person(s) named	l 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 Not	iffication Plan:

SURVEILLANCE 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, SCDHEC (843) 448-1902 ___ 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 (843) 448-4260
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town 3. officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- S.C. Department of Health and Environmental Control, Columbia, S.C. 4. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Mike Brown	3-18-02	Home: (843) 249-3109
Name	Date	Telephone

DHEC 2606(05/01)



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

June 29, 1999

Heather Lakes Homeowners Association c/o Mike Brown P.O. Box 836 Little River, S.C. 29566-0836

RE: Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Brown:

On June 23, 1999, we conducted a routine reinspection of the Lower Heather Lakes Dam. We would like to thank you and Mr. Brian Cavanaugh with the Heather Lakes Homeowners Association for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

erry W. Bon

Terry W. Boyd Waccanaaw EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division

Inspection Report

Date: June 23, 1999

Dam No./ County: 26-D3623/Horry

Representatives of SCDHEC Present:

Terry W. Boyd

Representatives of Owner Present:

Mike Brown Brian Cavanaugh-Heather Lakes Homeowners

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Growth less than 6" diameter on both the upstream and downstream slopes should be cut and removed.
- 2. Outlet end of the emergency spillway is overgrown. It should be cleared all the way to the creek.

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

1. Above items # 1 & 2: June 20, 1996

Emergency Action Plan Updated: Yes/No: Yes

Terrin W. Bou Signed

Terry W./Boyd, Waccamaw EQC District

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lower Heather Lakes Dam No. 26-D3623 COUNTY: Horry

As Owner X Manager Operator (Please check one) 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:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 661-4700
- 2. Local Highway Maintenance Engineer (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Police 911
 - Horry County Emergency Prep. Agency (843) 248-1225
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Mike Brown	6-23-99	(843) 249-3109
Name	Date	Telephone
DHEC 2606(07/97)		

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	8	Date
	23, <u>Lower Heather Lakes Dam</u> in (Name of Dam) _ County has changed. The new owner(s	s) are:
		oo 💼 😳 - Magalawa Damadaka
Owner 1*		
Address		
City, State, Zip 🔔	· · · · · · · · · · · · · · · · · · ·	
Telephone Number	ſ	
(if applicable)		
City, State, Zip		
Telephone Number	r	
(if applicable)		
City, State, Zip		
A strategy of the second se	, give name of principal contact person:	
i owner is a corporation	, give hame of principal contact percent	
	(Previous Owner's	s Signature)
	Previous Own	ner's Name
	,	
Mail Above Notification To:	Previous Owr S.C. Department of Health and Environmental Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201	

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

5

DHEC 2605(6/94)

Мемо

To:FILEFrom:Terry W. BoydSubject:Reinspection of Dam No. 26-D3623Date:September 28, 1999

I had a 9-28-99 follow-up telecon with Mike Brown in response to his 8-11-99 letter with the following to be noted:

The items noted in the 6-29-99 letter/Inspection report are considered to be routine maintenance. Since no specified completion time was noted, this office recommends that the noted maintenance items should be completed prior to the next scheduled reinspection in 3 years.

Michael Brown PO BOX 836 Little River, SC 29566

August 11, 1999



AUG 13 1999

Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak St. Plaza, Suite 2 Myrtle Beach, SC 29577 Re:Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Waccamaw District

Dear Mr. Boyd,

We have received your letter in response to the inspection you did at our lower lake in Heather Lakes and appreciate all of the information you shared with Mr. Cavanaugh and me concerning the dam and its condition. I do however have to ask if you could help me by being a little more explicit on what is mandatory at this time and what our options are due to our budget allowance at this time. We have removed all of the brush on over half of the dam and would like to leave the remaining one-third at the lower part of the pond as is. The emergency overflow has been cleared since your last visit as I felt that to be a higher priority than the brush removal.

We, (Heather Lakes) are anticipating the annexation of over 30 more lots to our HOA which would greatly help us in our budget and ability to perform more of the work needed on our property. We would appreciate a letter from your office giving us the flexibility to do the brush removal as we see fit and with the understanding that it is something to be addressed in the future.

Please be assured that this dam is inspected almost daily by our members and me and would detect any progressive damage that may cause concern to your office and notification would be prompt if not immediate. Minor repairs are being done on a regular basis on the dam where the brush has already been removed and small washouts have occurred due to the absence of foliage. These areas have since had grass root and seem to be holding very well.

A small few of the total people present at the HOA meeting brought your last letter to point with the board and me and took it to mean that you were making it mandatory action from your office that this work had to be performed right away. Please help me in giving them the peace of mind that all is well with you and our condition here at Heather Lakes and that we do have some options in where we can spend our money until the funds are available to perform all of the work you have requested.

Again, I would like to thank you for your help in this matter and for the patience you have already shown in the brush removal. This has been noted on your June 20, 1996, report and the new board did as much as possible to comply with that letter by removing the brush on over two-thirds of the dam. Please try to understand our position and give us a stay on the remaining one-third until sometime in the future.

Sincerely,

Mile Brown



Waccamaw Environmental Quality Control District 1705 Oak Street Plaza, Suite #2 Myrtle Beach, SC 29577 803-448-1902 Fax 803-946-9390

Serving Georgetown, Horry and Williamsburg Counties

Promoting Health, Protecting the Environment

June 26, 1996

Heather Lakes Homeowners Association P.O. Box 1419 Little River, S.C. 29566-1419

RE: Reinspection of Dam D-3623, Lower Heather Lakes Dam, Horry County

Dear Heather Lakes Homeowners Association:

On June 20, 1996, we conducted a routine reinspection of the Lower Heather Lakes Dam. We would like to thank Mr. Ed Jackson for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terry W. Boyd Waccamaw District Engineer

Enclosures cc: Richard Yongue, DHEC WPC Facilities Compliance

Inspection Report

Date: June 20, 1996

Dam No./ County: D-3623/Horry

Representatives of SCDHEC Present:	Fred Earnhardt and Terry Boyd
Representatives of Owner Present:	Ed Jackson-Heather Lakes Homeowners Assoc

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Growth less than 6" diameter on both the upstream and downstream slopes should be cut and removed.
- 2. Outlet end of the emergency spillway is overgrown. It should be cleared all the way to the creek.

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

1. Above: July 1, 1993

Emergency Action Plan Updated: Yes/No: Yes

Signed Lerry W. Boyd

Terry W. Boyd, Waccamaw EQC District

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM

D-3623

COUNTY: Horry

As Owner Manager Operator (Please check one) of the above reference dam, I accept the responsibility for safe maintenance and operation of the dam and reservoir and will implement the following emergency notification and surveillance plan:

SURVEILLANCE PLAN

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 (803)661-4700
- 2. Local Highway Maintenance Engineer (803)365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emerg. Prep. Agency--(803)248-1225
- S.C. Department of Health and Environmental Control, Columbia, S.C.
 Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

EATHER LAKES HOMEDWARRS ASSOCIATION_

803- 280- 2347 Telephone

£03-280-2347

S.C. REGULATED DAM

	Date
The ownership of Dam D <u>-3623</u> , <u>Heather Lakes Homeowner</u> (Name of Dam) Horry County has changed. The new owner(s	
Owner 1°	
Address	
City, State, Zip Telephone Number	
Owner 2"	-*
City, State, Zip Telephone Number	
Additional Owner (if applicable) Address	
City, State, Zip Telephone Number	

'If owner is a corporation, give name of principal contact person:

(Previous Owner's Signature)

Previous Owner's Name

Previous Owners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

June 29, 1999

Heather Lakes Homeowners Association c/o Mike Brown P.O. Box 836 Little River, S.C. 29566-0836

RE: Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Brown:

On June 23, 1999, we conducted a routine reinspection of the Lower Heather Lakes Dam. We would like to thank you and Mr. Brian Cavanaugh with the Heather Lakes Homeowners Association for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

erry W. Bon

Terry W. Boyd Waccamaw EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division

Inspection Report

Date: June 23, 1999

Dam No./ County: 26-D3623/Horry

Representatives of SCDHEC Present:	Terry W. Boyd
Representatives of Owner Present:	Mike Brown Brian Cavanaugh-Heather Lakes Homeowners
Others Present:	None

List of noted deficiencies or items requiring correction/checking:

- 1. Growth less than 6" diameter on both the upstream and downstream slopes should be cut and removed.
- 2. Outlet end of the emergency spillway is overgrown. It should be cleared all the way to the creek.

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

1. Above items # 1 & 2: June 20, 1996

Emergency Action Plan Updated: Yes/No: Yes

Signed Jerry W. Boyd

Terry W. Boyd, Waccamaw EQC District

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Lower	Heather Lakes Dam No	. 26-D3623	<u>COUNTY:</u>	Horry
As	Owner	🛛 Manager 🗌 Operat	or (Please chec	k one)
of the	above reference dam,	the person(s) named below	v are responsible	for safe maintenance and
operat	ion of the above dam	and reservoir and are re	esponsible for in	nplementing the following

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 661-4700

Surveillance Plan and the following Emergency Notification Plan:

- 2. Local Highway Maintenance Engineer (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Police 911
 - Horry County Emergency Prep. Agency (843) 248-1225
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Mike Brown	6-23-99	(843) 249-3109
Name	Date	Telephone
DHEC 2606(07/97)		

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

Date

The ownership of Dam D 362	23_, <u>Lower Heather Lakes Dam</u> in (Name of Dam)	
Horry	_ County has changed. The new owner	s) are:
		-,
Owner 1*		
Address	а 	
City, State, Zip 🔔		
Telephone Number	r	
Owner 2 [*] (if applicable)		
City, State, Zip		
Telephone Number	ſ	
(if applicable)		
2		
City, State, Zip 🔔	and the second second second second second second second second second second second second second second second	
Telephone Number		
	, give name of principal contact person:	
		9
	a si si si si si si si si si si si si si	
	(Previous Owner'	s Signature)
	Previous Ow	ner's Name
Mail Above Notification To:	Previous Own S.C. Department of Health and Environmental	
	Dams and Reservoirs Safety 2600 Bull Street	Control

Columbia, SC 29201

10

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



South Carolina Department of Health and Environmental Control

March 7, 1999

Mike Brown PO Box 836 Little River, SC 29566

Dear Mr. Brown:

Enclosed are your new emergency notification form and letters outlining recommendations previously submitted to the Heather Lakes Homeowners Association. I give you this information so that you can see the results of the previous inspection and prepare for the future. Please complete the emergency notification plan with the appropriate numbers for downstream property owners.

I or Terry Boyd, district engineer, will be contacting you in the future to schedule an inspection on this dam. Should you have questions on this or another matter, please contact my office. Thank you.

Sincerely, have of

Fred K. Earnhardt

Waccamaw Environmental Quality Control District

Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (843) 448-1902 Fax (843) 946-9390 Serving Georgetown, Horry, and Williamsburg Counties

Мемо

To:FILEFrom:Terry W. BoydSubject:Reinspection of Dam No. 26-D3623Date:September 28, 1999

I had a 9-28-99 follow-up telecon with Mike Brown in response to his 8-11-99 letter with the following to be noted:

The items noted in the 6-29-99 letter/Inspection report are considered to be routine maintenance. Since no specified completion time was noted, this office recommends that the noted maintenance items should be completed prior to the next scheduled reinspection in 3 years.

Michael Brown PO BOX 836 Little River, SC 29566

August 11, 1999

1 3 1999

Waccamaw District

Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer Endronmental Quality Control 1705 Oak St. Plaza, Suite 2 Myrtle Beach, SC 29577 Re:Reinspection of Dam No. 26-D3623, Lower Heather Lakes Dam, Horry County

Dear Mr. Boyd,

We have received your letter in response to the inspection you did at our lower lake in Heather Lakes and appreciate all of the information you shared with Mr. Cavanaugh and me concerning the dam and its condition. I do however have to ask if you could help me by being a little more explicit on what is mandatory at this time and what our options are due to our budget allowance at this time. We have removed all of the brush on over half of the dam and would like to leave the remaining one-third at the lower part of the pond as is. The emergency overflow has been cleared since your last visit as I felt that to be a higher priority than the brush removal.

We, (Heather Lakes) are anticipating the annexation of over 30 more lots to our HOA which would greatly help us in our budget and ability to perform more of the work needed on our property. We would appreciate a letter from your office giving us the flexibility to do the brush removal as we see fit and with the understanding that it is something to be addressed in the future.

Please be assured that this dam is inspected almost daily by our members and me and would detect any progressive damage that may cause concern to your office and notification would be prompt if not immediate. Minor repairs are being done on a regular basis on the dam where the brush has already been removed and small washouts have occurred due to the absence of foliage. These areas have since had grass root and seem to be holding very well.

A small few of the total people present at the HOA meeting brought your last letter to point with the board and me and took it to mean that you were making it mandatory action from your office that this work had to be performed right away. Please help me in giving them the peace of mind that all is well with you and our condition here at Heather Lakes and that we do have some options in where we can spend our money until the funds are available to perform all of the work you have requested.

Again, I would like to thank you for your help in this matter and for the patience you have already shown in the brush removal. This has been noted on your June 20, 1996, report and the new board did as much as possible to comply with that letter by removing the brush on over two-thirds of the dam. Please try to understand our position and give us a stay on the remaining one-third until sometime in the future.

Sincerely,

Mile Brown



Waccamaw Environmental Quality Control District 1705 Oak Street Plaza, Suite #2 Myrtle Beach, SC 29577 803-448-1902 Fax 803-946-9390

Promoting Health, Protecting the Environment

Serving Georgetown, Horry and Williamsburg Counties

June 26, 1996

Heather Lakes Homeowners Association P.O. Box 1419 Little River, S.C. 29566-1419

RE: Reinspection of Dam D-3623, Lower Heather Lakes Dam, Horry County

Dear Heather Lakes Homeowners Association:

On June 20, 1996, we conducted a routine reinspection of the Lower Heather Lakes Dam. We would like to thank Mr. Ed Jackson for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, Highway 17 downstream would need to be blocked well in advance of the creek crossing on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

eny W.

Terry W. Boyd U Waccamaw District Engineer

Enclosures cc: Richard Yongue, DHEC WPC Facilities Compliance

Inspection Report

Date: June 20, 1996

Dam No./ County: D-3623/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present:

Fred Earnhardt and Terry Boyd

Ed Jackson-Heather Lakes Homeowners Assoc.

<u>!</u>.

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Growth less than 6" diameter on both the upstream and downstream slopes should be cut and removed.
- 2. Outlet end of the emergency spillway is overgrown. It should be cleared all the way to the creek.

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

1. Above: July 1, 1993

Emergency Action Plan Updated: Yes/No: Yes

Lenny W. Boy Signed

Terry W. Boyd, Waccamaw EQC District

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM

COUNTY: Horry

D-3623

As Owner Manager Operator (Please check one) of the above reference dam, I accept the responsibility for safe maintenance and operation of the dam and reservoir and will implement the following emergency notification and surveillance plan:

SURVEILLANCE PLAN

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 (803)661-4700
- 2. Local Highway Maintenance Engineer (803)365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emerg. Prep. Agency--(803)248-1225 (803)248-6241 (County Police)
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

mallo houly. Miter LAKES HOMEDWARERS ASSOCIATION_

803-280-2317 Telephone

X03-280-2347

DHEC 2606 (08/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM

D-3623

COUNTY: Horry

As Owner Manager Operator (Please check one) of the above reference dam, I accept the responsibility for safe maintenance and operation of the dam and reservoir and will implement the following emergency notification and surveillance plan:

SURVEILLANCE 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 inflow or movement of soil particles. The Dams and Reservoirs Safety Area Engineer, ____ (803)253-6488 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 overcopping 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.

- South Carolina Highway Patrol (803)661-4700 1.
- 2. Local Highway Maintenance Engineer (803)365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town 3. officials. Horry County Emerg. Prep. Agency--(803)248-1225
- (803)248-6241 (County Police) S.C. Department of Health and Environmental Control, Columbia, S.C. 4. Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

MILTER LAKES HOMEDWARRS ASSOCIATION_

803-290-2347 Telephone 803-290-2347

S.C. REGULATED DAM

F.

	Date
The ownership of Dam D $_{-3623}$, Heather Lakes Homeowners	Assoc. in
Name of Dam) (Name of Dam) County has changed. The new owner(s	
Owner 1°	
Address	
City, State, Zip Telephone Number	
Owner 2"	
City, State, Zip Telephone Number	
Additional Owner [®] (if applicable) Address	
City, State, Zip Telephone Number	
P1.2	

'If owner is a corporation, give name of principal contact person:

(Previous Owner's Signature)

Previous Owner's Name

Previous Owners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

SHMPLE INSPECTION LETTER



Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman William M. Hull, Jr., MD, Vice Chairman Roger Leaks, Jr., Secretary

Promoting Health, Protecting the Environment

Richard E. Jabbour, DDS Cyndi C. Mosteller Brian K. Smith Rodney L. Grandy

Date

Dam Owner Address City, State ZIP

RE: Reinspection of Dam D-xxxx, Name of Dam, County

Gentlemen:

On Day, Date, Year, we conducted a routine reinspection of the Name of Dam. We would like to thank xxxxxxxxx for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears (appropriate comments about the dam and any deficiencies):

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, (detail the basic actions the owner should take, like see that the road below is closed, for example.) The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Name Title

Enclosures cc: Richard Yongue, DHEC WPC Facilities Compliance



INSPECTION REPORT
Date JUNE 20, 1996
Dam D-3623, HORRY COUNTY
Representatives of SCDHEC Present: FRED EARNIBARDT, TERRY BOYD
Representatives of Owner Present: ED JACKSON - HEATHER LOKES HUMEOWNERS ASSOC.
Others Present:
List of noted deficiencies or items requiring correction/checking:
1. GROWTH LESS THAN 6" DIAMETER AND ON BOTH
THE UPSTREAM AND DOWNSTREAM SLOPES ELLOULD BE
CUT AND REMOVED
2. OUTLET END OF EMERGENCY SPILLWAY is OVERGROWN.
IT SHOULD BE CLEARED ALL THE WAY TO CREEK.
List of previously noted items still uncorrected and dates previously noted:
1- ABOVE - July 1, 1993
Emergency Action Plan Updated Yes No

Signature of Person Completing Form

DHEC 2604(6/94)

9

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL DAMS AND RESERVOIRS SAFETY PRELIMINARY INSPECTION COUNTY NO. _____ DAM NO. _____ D-3623 HAZARD CLASS _____ DATE JUNE 20, 1996 INSPECTION TEAM FRED EARNHARDT, TERRY BOYD HEATHER LAKES HOMEOWNERS ASSOCIATION OWNER CONTACT LERSON ED JACKSON, 2583 LAKE VISTA DR., LITTLE RIVER, S.C. 29566, TELE: 249-3671 ADDRESS P.O. Box 1419 X 280-2347 (Street or P. 0. Box) Little River S.C. 29566-1419 (City) (State) (Zip Code) LOCATION: DESCRIPTION: TYPE OF DAM TYPE OF SPILLWAY PRE-LAW POST LAW TYPE OF DAM DESIGNED BY _____ RECORDS AVAILABLE _____

SUMMARY AND RECOMMENDATIONS:

INSPECTOR Lenny W. Boyl DATE 6-20-96 (Signature) DATE 6-20-96 IN EUC DISTRICT

Earthfill Dam Α. Crest Type of cover and condition: (1)CLEAR AND WELL MOWED GOOD CONDITION Note evidence of slides, cracks, erosion, and settlement: (2) NONE -Check alignment and note evidence of horizontal movement: (3)GOOD CONDITION Β. Upstream Slope Type of protective cover and condition: (1)SMOLL TREES AND BRUSH OBSCURE THE SLOPE (2)High water mark with respect to the crest of the dam: 30" FREE BOARD ANDROX Note evidence of slides, cracks, settlement, and erosion: (3) NONE

Earthfill Dam (Continued) С. Downstream Slope Seepage: check the embankment slope, toe, abutment contacts; denote the amount and location on schematic diagram. (1)COVARED WITH TREES, BRUSH AND VINES Note evidence of slides, cracks, and settlement: (2) NONE NOTED! Type of protective cover and extent of erosion: (3)TREES, BRUSH, VINES EVIDENCE OF EXOSION BUT MAY BE HIDDEN No D. Use this space for comments about the embankment which do not logically fall under A, B, or C, such as tree growth on embankment, or for continuation of one or more of the above if necessary:

Page of

Principal or Primary Spillway	Principal	or	Primary	Spillway	
-------------------------------	-----------	----	---------	----------	--

Α. Description BUPPLOX 36" CORRUGATED METAL RISER Condition of principal or primary spillway: Β. UNKNOWN - COMPLETELY SUBMERGED Description and condition of conduit: C. (Describe barrel and note evidence of seepage and/or leakage into or around barrel and evidence of displacement) BARREL SUBMERGED Description and condition of outlet works: D. (Describe stilling basin, headwalls, abutments, aprons, and outlet channel) OUTLET INTO CREEK - CONDITION UNKNOWN Description and condition of gate or valve: Ε. UNKNOWN

Page of

Emergency Spillway Α. Description SMALL EMERGENCY SPILLWAY AT REAR CORNER OF NAM Condition of approach channel, crest and outlet channel. В. (check for erosion, seepage, obstructions in channel, and high water marks.) D.K. Type and condition of vegetative growth in spillway. C. DOWNSTREAM ENO COMPLETELY OVERGROWN. NEEDS TO BE CLEARED

<u>Ty</u>	<u>pe</u> (Spillway or Overflow	Dam)	
1.	Drop Inlet	6.	Concrete gravity
2.	Ogee	7.	Buttress
3.	Free Overfall	8.	Concrete wall
4.	Chute	9.	Earthfill concrete lines
5.	Culvert	10.	Other (Describe)
	ndition of Control Sectio		
(No joi at	ote visible condition of	concret through	e, structural condition of the structure and erosion
(No joi at	ote visible condition of ints, leakage or seepage abutments. Describe and	concret through	e, structural condition of the structure and erosion
(No joj at	ote visible condition of ints, leakage or seepage abutments. Describe and	concret through	e, structural condition of the structure and erosion
(No joi at cor Des (Des	ote visible condition of ints, leakage or seepage abutments. Describe and itrol valves.)	concret through give c f Spill vidence	e, structural condition of the structure and erosion ondition of gates and way Culvert or Conduit: of seepage and/or leakage
(No joi at cor Des (Des	ote visible condition of ints, leakage or seepage abutments. Describe and itrol valves.)	concret through give c f Spill vidence	e, structural condition of the structure and erosion ondition of gates and way Culvert or Conduit: of seepage and/or leakage

Page ____ of ____

E. Condition of Paved Chute Section Floor and Walls: (Note condition of concrete, seepage, operation of drains, erosion of seepage behind walls.)

F. Condition of Stilling Basin or Downstream Floor: (Note condition of concrete, seepage, operation of drains, erosion or seepage behind walls.)

G. Condition of Discharge Channel: (Note evidence of seepage, erosion and undermining of structure)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY

PRELIMINARY INSPECTION

>

COUNTY NO DATEMay 21, 1996	DAM NO. <u>D-3623</u> INSPECTION TEAM <u>Balle</u>	HAZARD CLASS	C-Z Boyd Earnhandt MCINTYRE
OWNER CONTACT POLSON - ED JAC OPERATOR ADDRESS P.O (Stree Little (City)	KSON, 2583 LAKE Visi BOX 1419 t or P. O. BOX) River S.((State)	Heather Lakes Hor TA DR., LITTLE RIVER (29 ()	<u>Meowners</u> ASSOC, 2, <u>5. (. 29566</u> , 249-367 X Telephone) 7.566 Zip Code)
LOCATION:			
DESCRIPTION: TYPE OF DAM PRE-LAW POST L DESIGNED BY	AW PERMIT	TYPE OF SPILLWAY NO. RECORDS AVAILABL	
SUMMARY AND RECOMMENDATION NOTE! TRAININ REPRESE SIST	VG INSPECTION ON INTIGTIVE WAS NOT PO TO BE SCHEDULEO W SENTATIVE DURING J	ILY SINCE AN RESENT, AN OFF JITJ THE BAPPING UNE, 1996.	OWNER'S FICIAL DNSPECTION MIDTE DWNER'S
INSPECTOR GEURGE la TRAINEE - TERRY W.	SALLENTINE	DATE 5-21	-96

Cre	<u>st</u>
(1)	Type of cover and condition:
	Clear and well mowed
	Gord condition
(2)	Note evidence of slides, cracks, erosion, and settlemen
-	
(3)	Check alignment and note evidence of horizontal movement Good condition
Upst	ream Slope
	Type of protective cover and condition:
	Type of protective cover and condition:
	Type of protective cover and condition:
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> <u>obscure the slope</u> High water mark with respect to the crest of the dam:
(1)	Type of protective cover and condition: Small trees, brush obscure the slope
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> obscure the slope High water mark with respect to the crest of the dam: <u>Approx. 30</u> freeboard
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> <u>obscure the slope</u> High water mark with respect to the crest of the dam: <u>Approx. 30</u> " <u>freehoard</u> Note evidence of slides, cracks, settlement, and erosion
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> obscure the slope High water mark with respect to the crest of the dam: <u>Approx. 30</u> freeboard
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> <u>obscure the slope</u> High water mark with respect to the crest of the dam: <u>Approx. 30</u> " <u>freehoard</u> Note evidence of slides, cracks, settlement, and erosion
(1)	Type of protective cover and condition: <u>Small trees</u> , <u>brush</u> <u>obscure the slope</u> High water mark with respect to the crest of the dam: <u>Approx. 30</u> " <u>freeboard</u> Note evidence of slides, cracks, settlement, and erosion

Earthfill Dam (Continued)

С. Downstream Slope

(1) Seepage: check the embankment slope, toe, abutment contacts; denote the amount and location on schematic diagram.

Covered with trees brush, vines

None noted

(2) Note evidence of slides, cracks, and settlement:

(3) Type of protective cover and extent of erosion:

Trees, brush, vines No evosion evident, but may be hidden Use this space for comments about the embankment which do not logically fall under A, B, or C, such as tree growth on embankment, or for continuation of one or more of the above if necessary:

D.

Principal or Primary Spillway

Α. Description Approx 36" corregated metal riser -No trash good INSTalled! B. Condition of principal or primary spillway: UnKnown - submerged completely . C. Description and condition of conduit: (Describe barrel and note evidence of seepage and/or leakage into or around barrel and evidence of displacement) Barrell submerged -D. Description and condition of outlet works: (Describe stilling basin, headwalls, abutments, aprons, and outlet channel) Outlets into creek - Un Known Ε. Description and condition of gate or valve: Unknown

Emergency Spillway

A. Description

Small emerge spillway at rit and of dam. Condition of approach channel, crest and outlet channel. в. (check for erosion, seepage, obstructions in channel, and high water marks.) 0, K. Type and condition of vegetative growth in spillway. C. Downstream and completely overgrown. Needs to be cleared

Small	Conc	rete Dams and Ser	vice Sp:	illway	<u>.ys</u>
Α.	Туре	(Spillway or Over	flow Dar	n)	
	1.	Drop Inlet		6.	Concrete gravity
	2.	Ogee		7.	Buttress
	3.	Free Overfall		8.	Concrete wall
	4.	Chute		9.	Earthfill concrete lines
	5.	Culvert		10.	Other (Describe)
	(Cheo	ition of Entrance ck for erosion and ment at joints, et	note v	and A isible	Approach Slab and Walls: Le condition of concrete,
C.	(Not) join at a	ts, leakage or see	n of co page th	ncret rough	Gates: te, structural condition of n the structure and erosion condition of gates and
D.	(Des	cribe harrel and r	note evi	dence	<pre>lway Culvert or Conduit: e of seepage and/or leakage e of displacement.)</pre>
Page		of		<i>w</i>	

- 5

E. Condition of Paved Chute Section Floor and Walls: (Note condition of concrete, seepage, operation of drains, erosion of seepage behind walls.)

F. Condition of Stilling Basin or Downstream Floor: (Note condition of concrete, seepage, operation of drains, erosion or seepage behind walls.)

G. Condition of Discharge Channel: (Note evidence of seepage, erosion and undermining of structure)

10 . 0

TRAINING INSPECTION ONLY! INSPECTION REPORT

DateMay 21, 1996	
DamD-3623, Horry County	
	Fred Earnhardt, George Ballentine, Richard Yongue, WENDY MCINTYRE, TEARy BoyD
	NONE!
Others Present:	
	dismeter (upstream & founstream slope)
should be cut & re	
Z. Riser needs track re	
3, Outlet end of emerg	. spilling is overgrown. It should
be cleared all -	the way to creek,
List of previously noted items still und	corrected and dates previously noted:
1. More - July 1, 19	93
2. Abave - July 1, 19	23 · · ·
Emergency Action Plan Updated	Yes No
	Signature of Person Completing Form
DHEC 2604(6/94)	



Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman Sandra J. Molander, Secretary Richard E. Jabbour, DDS William M. Hull, Jr., MD Roger Leaks, Jr.

Promoting Health, Protecting the Environment

July 21, 1995

Heather Lakes Homeowners Association P. O. Box 1419 Little River, SC 29566

RE: Lower Heather Lakes Dam, D-3623, Horry County

Gentlemen:

This acknowledges receipt of your notice of ownership change on subject dam. Our records have been changed accordingly and you will be contacted in the future on matters regarding the dam.

For your information, we are enclosing a copy of the last inspection letter on the dam. If the deficiencies noted in the letter have not been taken care of, please proceed to do so; this dam will receive its next routine reinspection in 1996.

As owners of the dam, you are required to keep up to date an Emergency Notification and Surveillance Plan. The purpose of this plan is to assist you in contacting the proper persons and agencies should your dam experience difficulties and be in danger of failure. Should this occur, the road downstream would need to be immediately blocked; the agencies listed on the enclosed plan could provide assistance in accomplishing this. Please designate one or more persons who will be responsible for monitoring the dam and for implementing the Plan; provide the name and telephone numbers of those persons on one copy of the enclosed Plan and return that copy to us. Keep the second copy for your files and use it in case of an emergency.

We are also enclosing a form for your use in notifying us if ownership of this dam should change again. Please note that the S.C. Dams and Reservoirs Safety Program in now under the Department of Health and Environmental Control.

If you have any questions, you can reach me in Columbia at (803)734-9119.

Sincerely, Leorge D. Callentine

George D. Ballentine, Ph.D., P.E., Manager Dams and Reservoirs Safety Section

Enclosures



S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM

COUNTY: Harry

D 3623 Lower Heather Lakes Dam

As Owner Manager Operator (Please check one) of the above reference dam, I accept the responsibility for safe maintenance and operation of the dam and reservoir and will implement the following emergency notification and surveillance plan:

SURVEILLANCE 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 inflow or movement of soil particles. The Dams and Reservoirs Safety Area Engineer, <u>Rick Nuzum</u> (803)734-9117 will be notified if any of the above symptoms are found.

(803)253-6488 (24-hour)

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 (803)662-4700
- 2. Local Highway Maintenance Engineer (803)365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Civ. Def. -(803)248-1225
- County Police (803)248-6241 Sheriff (803)248-1326 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

Name

Date

Telephone

Owner of Dam

Date

Telephone

DHEC 2606 (08/94)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

		Date
The ownership of Dam D_3623	, Lower Heather Lakes Dam	in
Horry	(Name of Dam)	
(County has changed. The new owner(s)	are:
Owner 1*		
Address		
City, State, Zip		
(if applicable)		
City, State, Zip 🔔		
(if applicable)		
City, State, Zip 🔔		
[*] If owner is a corporation	n, give name of principal contact person:	
	(Previous Owner's	Signature)
	Previous Owner	s Name
	Previous Owners	s Address
Mail Above Notification To:	S.C. Department of Health and Environmental (Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201	Control

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

di.



JUL 2 0 1995 240PC DWQ&S&



HEATHER LAKES HOMEOWNERS ASSOCIATION POST OFFICE BOX 1419 LITTLE RIVER, SC 29566

July 18, 1995

Land Resources Conservation Commission State of South Carolina 2221 Devine Street, Suite 222 Columbia, SC 29205-2474

To Whom It May Concern:

Re: Transfer of ownership of Lower Heather Lakes Dam, State Dam No. 26-D3623

This is to inform you that ownership of the above named dam has been legally transferred to the Heather Lakes Homeowners Association of the address shown above.

Please don't hesitate to contact the Association if further information is required.

Patricia Ra Secretary

pr c: File

damowner

A second

CMMISSION MEEBERS.

O. RICHARD COTTIRAN, J.A. Chairman 441 Griffin Drive Piedmont, S.C. 19673

NAVID L. LEN

lartsville, 5. 1. 2. (50

PRESTON B. mikLCl (F Route 1, Box 297 Johnston, S.C. 29332



C.P. MINCEY Route 2, Box 152 Mullins, S.C. 29574

WILLIAM S. SIMPSON III 733 Knotty Pine Road Junes Island, S.C. 29412

JOHN W. PARRIS Executive Director

State of South Carolina

LAND RESOURCES CONSERVATION COMMISSION

July 7, 1993

Heather Lakes, Inc. P.O. Box 568 Little River, S.C. 29566

Re: Lower Heather Lakes Dam, State Dam No. 26-D3623, located just upstream from U.S. 17 on a tributary of Mullet Creek in east Horry County.

Dear Sirs:

In accordance with the South Carolina Dams and Reservoirs Safety Act, the Land Resources Commission has inventoried all dams subject to the Act. The inventory identifies certain dams that come under the provisions of the Act due to their size and location.

The above referenced dam has been identified as being in this category and a visual reinspection has been made. This inspection was done to determine the present condition of the dam and note any changes that may have occurred since the last inspection.

The findings of the inspection are as follow:

- The dam is considered to be a Class II structure (significant downstream hazard potential) due to probable damage to downstream property in the event of failure.
- 2. The dam is in essentially the same condition as at the time of the last inspection.

Heather Lakes, Inc. July 7, 1993 Page 2

3. There are trees and brush on the upstream and downstream slopes.

- 4. The drop inlet structure needs some type of trash guard to prevent possible blockage by floating debris.
- 5. The creek runs alongside part of the dam. Care should be taken to prevent possible erosion of the embankment during periods of heavy flow.

The hydrologic and hydraulic studies necessary to determine the adequacy of the spillway system to safely pass the design flood for a dam of this size and hazard class were not a part of this inspection.

We suggest that you establish a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems which may affect the safety of the dam.

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

A recent change to the S. C. Dams and Reservoirs Safety Act requires the owner to notify us in writing within 30 days after title to the dam has been legally transferred to someone else.

If you have any questions, please call.

Sincerely,

Rick Nuzum, W.E. Regional Engineer Dams and Reservoirs Safety Program

cc: Dr. George Ballentine

LAND RESOURCES COMMISSION DAMS AND RESERVOIRS SAFETY PROGRAM

EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF DAM

State Dam No. 26-D3623, Lower Heather Lakes Dam

As [] Owner [\checkmark] Manager [] Operator (please check one) of the above referenced dam, I accept the responsibility for safe maintenance and operation of the dam and reservoir and will implement the following emergency notification and surveillance plan:

SURVEILLANCE 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 Engineer, Rick Nuzum, 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
- 2. Local Highway Maintenance Engineer
- 3. Local Police Department, Civil Defence Director, and other county or town officials.
- 4. S. C. Land Resources Commission, Columbia, S.C , Telephone 734-9100

Person responsible for implementing the Emergency Notification and Surveillance Plan:

CHA	IRLES	VEREEN	
Name	(Please	Print)	

JULY 1,1993

<u>919-579-3685</u> Telephone

Owner of Dam (Signature)

Date

Telephone

C. Inspection Date (11/64/20 14) & Time: 10:00 E. Location-County/City: HORET / CONWAY G. Inspector's Name: LARET RAGSON H. Owner's Name: LEO J. MA I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 6637 HUNTING S Address 2 (optional)	D. Date of Last Inspection: (12/12/2010) F. EQC Regional Office: <u>PEE DEE MB</u> <u>ACE</u> <u>ACTIN</u> Home <u>243</u> 397-1732 Office () Other ()
H. Owner's Name: <u>LEO J. M4</u> I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 <u>6637</u> HUNTING S Address 2 (optional)	D. Date of Last Inspection: (12/12/2010) F. EQC Regional Office: <u>PEE DEE MB</u> <u>ACE</u> <u>ACTIN</u> Home <u>243</u> 397-1732 Office () Other ()
E. Location-County/City: HOREY / COHWAY G. Inspector's Name: LARRY RAGSON H. Owner's Name: LEO J. MA I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 6637 HUNTING S Address 2 (optional)	F. EQC Regional Office: <u>PEE DEE MB</u> <u>ALE</u> <u>AETIN</u> Home <u>943</u> 397-1732 Office () Other ()
G. Inspector's Name: <u>LAREY RAGSON</u> H. Owner's Name: <u>LEO J. M4</u> I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 <u>6637</u> HUNTING S Address 2 (optional)	AETIN Home 243, 397-1732 Office () Other ()
I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 <u>6637</u> HUNTING S Address 2 (optional)	4271/J Home 943 397 1732 Office () Other ()
Address 2 (optional)	Home (243) 397-1732 Office () Other ()
J. Dam Owner's or Contact Person's Phone Numbers: K. Dam Owner's or Contact Person's mailing address: Address 1 <u>6637</u> HUNTING S Address 2 (optional)	Home (243) 397-1732 Office () Other ()
K. Dam Owner's or Contact Person's mailing address: Address 1 <u>6637</u> HUNTING S Address 2 (optional)	Office () Other ()
Address 1 6637 HUNTING S Address 2 (optional)	Other ()
Address 1 6637 HUNTING S Address 2 (optional)	
Address 1 6637 HUNTING S Address 2 (optional)	SWAMP ROAD
Address 2 (optional)	SWAINT EOAD
	CC 22CT C2/D
City CONKIAT State	e SC Zip Code 29527-5348
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)? GRASS	TRIMMED, NO TREES
ii. Animal activity observed?	
iii. Any obvious alteration or repairs made?)
iv. Erosion noticed on crest?	
v. Any visible settlement, misalignment or cracks?	MO

	ion III (Dam Inspection Checklist) continued
	egetation (grass, trees weeds)? GRASS + WEEDS
	Animal activity observed?
11. 7	
Ш. /	Any obvious alterations or repairs made?
iv. E	Erosion observed on upstream slope?
v. S	ettlement or cracks visible in slope?
	regetation (grass, trees weeds)? GRASS + WEEDS, TREES - LARGESIZ
ii. /	Animal activity observed?
III. i	Any obvious alterations or repairs made?
iv. E	Erosion observed on down stream slope? AD
v. S	ettlement or cracks visible in slope?
vi. T	Toe drains flowing?
flow	
). Pr i. Ar	there an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT
D. Pr i. Ar ii. Is	ny visible deterioration of structure?
D. Pr i. Ar ii. Is <u>C</u> iii. A	there an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT WEEDS AROUND PRAIN STUCTURE NEED TO BE CLEARED.
D. Pr i. Ar ii. Is iii. A iii. A iv. I	there an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT WEEDS AROUND DRAIN STUCTURE NEED TO BE CLEARED. AND NOTICEABLE PROBLEMENT
D. Pr i. Ar ii. Is iii. A iv. I E. O i. Ar	there an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT WEEDS AROUND PRAIN STUCTURE NEED TO BE CLEARED. MO, JUST WEED GROWITH s valve or gate present? NO
D. Pr i. Ar ii. Is iii. A iv. I E. O i. Ar	The provided and the discharge pipe?
D. Pr i. An ii. Is <i>C</i> iii. A iii. A ii. D iii. V	AD there an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT AMOUNT OF WEEDS AROUND PAIN STUCTURE NEED TO BE CLEARED. Any noticeable problems with debris? NO, JUST WEED GROWITH s valve or gate present? NO utlet Pipe my water visibly flowing or leaking outside of the discharge pipe? NO escribe any deflection or damage observed to the pipe: NOXE
D. Pr i. An ii. Is iii. An iv. I ii. D iii. D iii. V	AD There an obvious need to repair or replace trash rack? NO, BUT FAIR AMOUNT AD
D. Pr i. Ar ii. Is iii. A iii. A iii. N F. Au i. Nc ii. Ar	AD AD AD AD AD AD AD AD AD <

v. ir appli	cable, any observed exposure of rebar reinforcement?
vi. If appl	cable, any visible leakage below concrete spillway?
	tream/Hazard Class Issues iceable changes immediately downstream of the dam that affects the hazard classification?
	ncy Action Plan (EAP) ency Action Plan provided by owner? UKNOKN
ii. Does I	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	IV (Conclusions) comments and recommendations: THE OUTLET STRUCTURE IS CLOGGED WITH WEEDS. THESE NEED TO BE CLEARED, MAINTAIN THE TRIMMED APPEARANCE OF DAM CREST. EAP NEEDS TO BE SUBMITTED.
information /or repair ac ice for cond d for service ineering pro	v Dam Inspection Disclaimer: contained in the preliminary inspection report is intended as an aid to identify those dams that require mainter tions to reduce their danger to human life or property only. It is not intended as professional engineering or con- tions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace is provided by registered professional engineers. If your dam is experiencing an unusual situation consult with fessionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department o ironmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, e ed. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant wo

findings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

 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)

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.

DHEC 2604 (Rev. 11/2011)



Catherine B. Templeton, Director Promoting and protecting the health of the public and the environment

November 24, 2014

Mr. Leo J. Martin, Jr. 6637 Hunting Swamp Road Conway, SC 29527-5348

Re: Inspection of Dam D-3628, Martin Dam aka Furches/Graham Dam, Horry County

Dear Mr. Martin:

On November 4, 2014, SC DHEC personnel conducted a routine inspection of your dam, located off State Road S-26-24 near Firehouse Road I am enclosing a copy of the inspection report of the dam.

Overall, the dam appears to be in **fair** condition and has a few deficiencies. The outlet structure is blocked with weeds and debris. This needs to be cleaned out so the outlet structure can operate properly.

Also, we do not have a copy of an Emergency Notification Plan in the Department file on this dam. Failure to complete and submit this information constitutes a violation of the <u>Dams and Reservoirs</u> <u>Safety Act</u>, S.C. Code Ann § 49-11-150 and § 49-11-260, as well as the *Dams and Reservoirs Safety Act Regulations*, 9 S.C. Code Ann. Regs. 72-4. 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. The attached form (DHEC 2606) must be submitted to the address indicated on the form immediately. Please also provide a copy of the completed form to this office:

Pee Dee Myrtle Beach 927 Shine Avenue Myrtle Beach, SC Attn: Larry Ragsdale

Should this dam fail, the agencies listed on the notification plan could provide assistance.

In the event that this dam has changed ownership, the attached form (DHEC 2605) must be filled out and submitted to the address indicated on the form immediately. Please also provide a copy of the completed form to this office:

Pee Dee Myrtle Beach 927 Shine Avenue Myrtle Beach, SC Attn: Larry Ragsdale

Failure to initiate the transfer of ownership notification constitutes a violation of the <u>Dams and</u> <u>Reservoirs Safety Act</u>, S.C. Code Ann § 49-11-150 and § 49-11-260, as well as the *Dams and Reservoirs Safety Act Regulations*, 9 S.C. Code Ann. Regs. 72-6. 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.

Dams and Reservoirs Safety Act and Regulations can be obtained at the following web page address:

http://www.scdhec.gov/Agency/RegulationsAndUpdates/LawsAndRegulations/Water/

If you have any questions, please call me at 843-238-4378.

Sincerely,

Larry Ragsdale Regional Engineer SC DHEC Pee Dee Office – Myrtle Beach 927 Shine Avenue Myrtle Beach, SC 29577

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

DHEC PROMOTE PROTECT PROSPER South Carolina Department of Health and Environmental Control	Notification Form for Ownership Change of South Carolina Regulated Dams Dams and Reservoirs Safety Act Regulations 72-1 through 72-9		
To avoid the imposition of administra	ms regulated by the Department of Health ative fines, the owner of any high or signific am or reservoir has been transferred from	cant hazard dam must inform the Dej	
Date of Transfer: Dam Name: I. <u>Dam Owner Information</u>	SC Dam Inventory Number D_	County:	
A. Previous Owner/ Operator (0	Company or person):		
	company):		
· ·	Fax:		
•	State:		
	Oldie		
	erson):		
	company):		
	Fax:		
-	State:		
	ompany or person):		
	company):		
Phone:	Fax:		
Mailing Address:			
City:	State:	Zip:	
Email address:			
Additional New Owner 2 (Co	ompany or person):		
Contact Person (if owner is o	company):		
Phone:	Fax:		
Mailing Address:			
City:	State:	Zip:	
Email address:			
II. Site Information			
A. Site Location (street address	s, nearest intersection, etc.):		
	Latitude:		
	from section I above):		
	(
	Email address:		
III. Signatures and Certifications			
A. Per my signature below, I he listed in the Dam Owner Info	bereby certify that title to the above listed d prmation (item I.B) above. I am aware that possibility of fine and imprisonment for know	t there are significant penalties for s	
Printed name of Previous I	Dam Owner Signature of P	Previous Dam Owner D	ate of Signature
	CAROLINA DEPARTMENT OF HEA		_

Instructions

Notification Form for Ownership Change of South Carolina Regulated Dams

This standard form will be a part of each inspection letter that Department staff issues, as a way of reminding the owners of their requirement to notify DHEC of ownership transfers in writing. This form will be used for the owner's convenience and failure to notify the Department about an ownership transfer within 30 days after it occurs can result in an administrative fine.

Completing the Application:

You must type or print legibly. You must include the original, signed notification form.

Where to File:

SCDHEC - BOW Dams and Reservoirs Safety 2600 Bull St. Columbia, SC 29201

If you are unsure about the information on record or need assistance completing this form, please contact the Dams and Reservoirs Safety program staff. Contact information may be obtained from the following website or you may call 803-898-4300. http://www.scdhec.gov/environment/water/drsmainpage.htm

Date of Transfer

Enter the date on which title of the dam was transferred to the new dam owner(s).

SC Dam Inventory Number

Enter the SC dam inventory number that has been assigned by DHEC for the dam, this number will begin with the letter "D".

County

Enter the county in which the dam is situated.

Dam Name

Enter the dam's name or common name on record with DHEC.

I. Dam Owner Information

The official or legal name of the Dam Owners should be listed under sections A and B. If the Dam Owner is a company, then a Contact person should be listed. This can be someone other than the person that has signatory authority for the company. **Please** provide all requested information including email addresses for all dam owners previous and new.

II. Site Information

- A. List the nearest downstream city/town. See the following website for assistance in obtaining latitude/ longitude coordinates: <u>http://www.epa.gov/tri/report/siting_tool/index.htm</u>. Latitude (from 32° to 35°) and longitude (78° to 83°) should be for the center of the dam to the nearest 15". Minutes (') should be from 0 to 59, and seconds (") should be 0, 15, 30, or 45.
- B. If the dam owner does not own the property on which the dam is located, then list the official or legal name of the current Property Owner.

III. Signatures and Certifications

DO NOT SIGN IN BLACK INK! This form must contain original signature.

A. If the Dam Owner is a company, print the name of the person who is signing the notification form for the Dam Owner. A person with signatory authority for the Previous Dam Owner must sign the application.

Office Mechanics and Filing

This form shall be kept on file until the dam is no longer regulated by DHEC. Copies will be stored with the Bureau of Water and Regional Office serving the county in which the dam is situated.



Surveillance, Emergency Notification, and Action Plan for South Carolina Regulated Dams Dams and Reservoirs Safety Act Regulations 72-1 through 72-9

SC Inventory Number D____

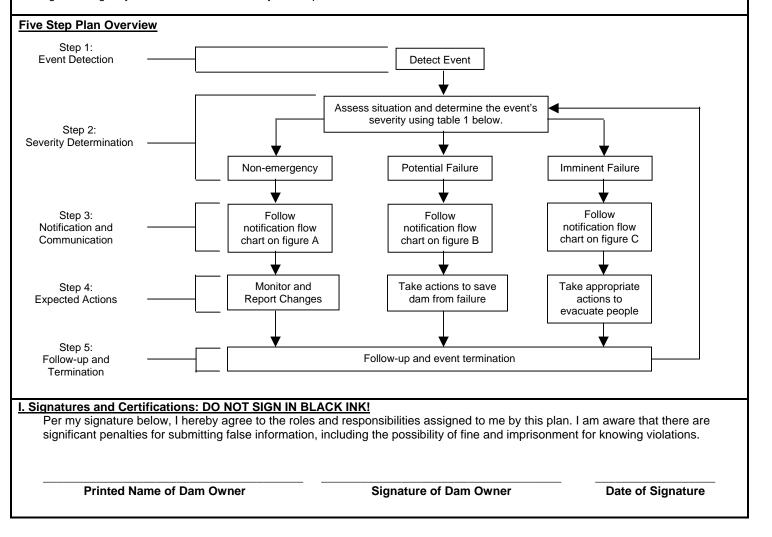
Note: This form is for use on dams regulated by the Department of Health and Environmental Control in the State of South Carolina. The purpose of this form is to provide a plan that will help to minimize loss of life and property damage from dam failures. To accomplish its purpose: potential emergency conditions are identified; preplanned actions that can be implemented during events are specified; and emergency notification procedures to aid in warnings and evacuations are documented. The dam owner should perform inundation mapping as appropriate to determine the downstream hazards and provide the maps as an addendum to this plan.

Dam Owner Roles and Responsibilities

The dam owner is responsible for: safe maintenance and operation of the dam and reservoir; implementing the Surveillance and Emergency Notification and Action Plan; and frequent visual inspections to detect changes that may endanger the dam. The dam owner will ensure that any evidence of seepage is monitored to detect any increasing flow or movement of soil particles. The owner must ensure that monitoring of the dam is performed in the event that a hurricane or flooding is forecast. The owner of the dam has the responsibility to take the appropriate actions to save the dam and make appropriate notifications.

As soon as an event is observed or reported the dam owner must immediately determine the severity of the situation. Table 1 provided on page 2 may be used to assist with the severity determination. Once the situation is classified as either Non-emergency, Potential failure, or Imminent failure the dam owner is responsible for making the notifications prescribed on the appropriate notification flow chat below (See figures A, B, & C). Simultaneously, the owner of the dam owner shall provide updates of the situation to Emergency management Services or the Police Dispatcher to assist them in making timely and accurate decisions regarding warning, evacuations, and event termination. See the "Five Step Plan Overview" below for additional clarification.

The Dam owner must provide leadership to assure this plan is reviewed and updated as needed and copies of the plan are distributed as necessary. At a minimum, copies of this plan should be distributed to all individuals responsible for its implementation and those listed in the notification flow charts. It is the dam owner's responsibility to coordinate with the appropriate emergency management agency to determine the suitability of this plan.



Event	Situation	Severity level*
	Reservoir water surface elevation at auxiliary spillway crest or spillway is flowing with no active erosion	Non-emergency
Earth spillway flow	Spillway flowing with active gully erosion	Potential Failure
	Spillway flow that could result in flooding of people downstream if the reservoir level continues to rise	Potential Failure
	Spillway flowing with an advancing headcut that is threatening the control section	Imminent Failure
	Spillway flow that is flooding people downstream	Imminent Failure
Embankment	Reservoir level is 1 foot below the top of the dam	Potential Failure
overtopping	Water from the reservoir is flowing over the top of the dam	Imminent Failure
	New seepage areas in or near the dam	Non-emergency
Seepage	New seepage areas with cloudy discharge or increasing flow rate	Potential Failure
	Seepage with discharge greater than 10 gallons per minute	Imminent Failure
Sinkholes	Observation of new sinkhole in reservoir area or on embankment	Potential Failure
	Rapidly enlarging sinkhole	Imminent Failure
Embankment	New cracks in the embankment greater than 1/4-inch wide without seepage	Non-emergency
cracking	Cracks in the embankment with seepage	Potential Failure
Embankment	Visual movement/slippage of the embankment slope	Non-emergency
movement	Sudden or rapidly proceeding slides of the embankment slopes	Imminent Failure
Instruments	Instrumentation readings beyond predetermined values	Non-emergency
	Measurable earthquake felt or reported on or within 50 miles of the dam	Non-emergency
Earthquake	Earthquake resulting in visible damage to the dam or appurtenances	Potential Failure
	Earthquake resulting in uncontrolled release of water from the dam	Imminent Failure
Security threat	Verified bomb threat that, if carried out, could result in damage to the dam	Potential Failure
Security threat	Detonated bomb that has resulted in damage to the dam or appurtenances	Imminent Failure
	Damage to dam or appurtenance with no impacts to the functioning of the dam	Non-emergency
Sabotage/ vandalism	Modification to the dam or appurtenances that could adversely impact the functioning of the dam	Non-emergency
- and anoth	Damage to dam or appurtenances that has resulted in seepage flow	Potential Failure
	Damage to dam or appurtenances that has resulted in uncontrolled water release	Imminent Failure

II. Communication

Non-emergency:

The dam owner should contact DHEC Regional Office and Dam Safety Program; describe the situation and request technical assistance on next steps to take.

Potential failure:

The following message may be used to help describe the emergency situation to the emergency management personnel:

"This is <u>Identify yourself; name, position</u>. We have an emergency condition at dam D <u>SC Inventory No</u>. We have activated the Emergency Notification and Action Plan and are currently having a potential failure event. We are implementing predetermined actions to respond to a situation that could result in dam failure in order to save the dam. Please prepare to evacuate the low-lying area below the dam. Reference the inundation map in your copy of the Plan. We will advise you when the situation is resolved or if the situation gets worse." Note- Additionally, you should provide the dispatcher with your contact information.

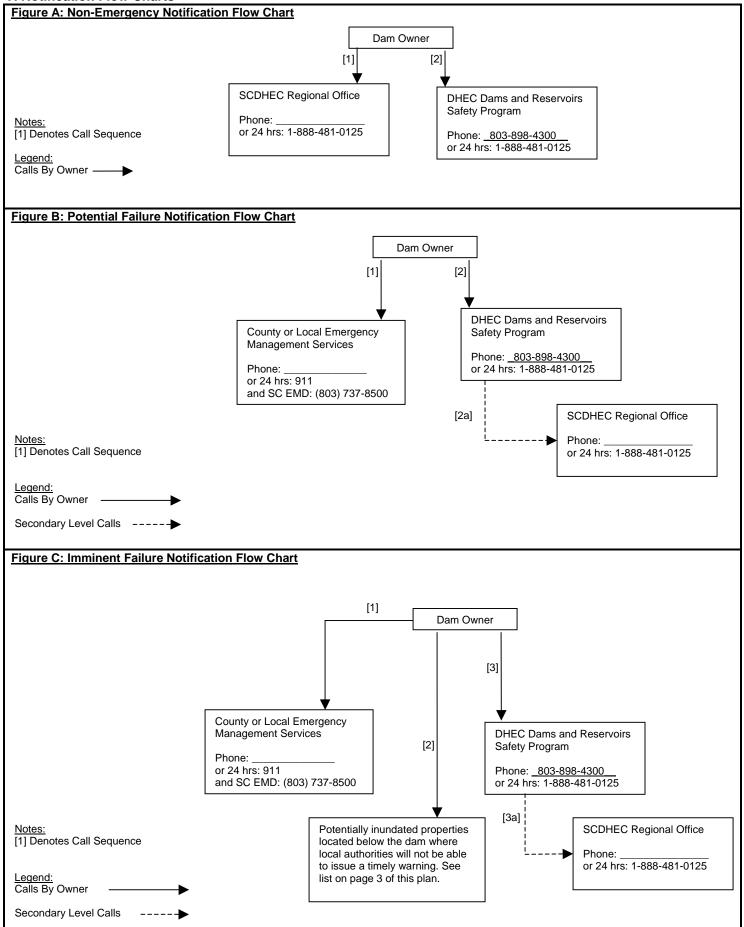
Imminent failure:

The emergency responders should be contacted immediately and the area evacuated (see *Inundation Map*). The following actions should be taken:

1.Call the dispatch center. Be sure to say, "This is an emergency." They will call other authorities and the media and begin the evacuation. The following message may be used to help describe the emergency situation to the emergency management personnel: (See next page)

Inventory No and the dam is failing; evacuate the low-lying and are currently under an In Note- Additionally, you should 2. Do whatever is necessary to brin reservoir, or evacuees) to safety if	failing. The downstream area mus g area below the dam. We have ac nminent failure situation. I can be d provide the dispatcher with your ng people in immediate danger (an directed by the emergency manag	t be evacuated immedia tivated the Emergency contacted at the numbe contact information. yone on the dam, down ement personnel.	have an emergency condition at dam D <u>SC</u> ately. Repeat, dam D <u>SC Inventory No</u> , is Notification and Action Plan for this dam ars provided for the dam owner in the plan. Astream from the dam, boating on the dition of the dam. They will tell you how you
someone else to try to re-establish periodically try to re-establish conta	a communications. If these means f act with the emergency services.		o or telephone that works, or (3) get te problems as well as you can, and
III. Dam Owner and Site Informat	ion		
SC Inventory Number D <u>A. Dam Owner Information</u> Owner (Company or person):			_ County:
Contact Person:			
			Zip:
Email address:			
<u>B. Site Information</u> Site Location (street address, near			
			" N_Longitude:°' W
Tax map # (list all):			-
IV. Potentially Inundated Propert	ies (See Inundation Map For Ad	ditional Information)	
1) Name:		Phone:	
Address:			
2) Name:		Phone:	
Address:			
3) Name:		Phone:	
Address:			
4) Name:		Phone:	
Address:			
5) Name:		Phone:	
Address:			
6) Name:		Phone:	
Address:			
7) Name:		Phone:	
Address:			
8) Name:		Phone:	
Address:			

V. Notification Flow Charts



Instructions

This Surveillance Emergency and Emergency Notification and Action Plan form is the emergency alert notification plan on a format sheet supplied by the Department for use on high and significant hazard state regulated dams in South Carolina. This is required by section 72-4 of the Dams and Reservoirs Safety Act Regulations. Any owner of a state regulated dam that fails to provide an updated copy of this form during scheduled inspections may be subject to administrative fines. It is important to coordinate with your local and State emergency responders to insure the actions prescribed in this plan are sufficient for their planning purposes. If you need assistance completing this form, please contact the Dams and Reservoirs Safety program. Contact information may be obtained from the following website or you may call 803-898-4300. http://www.scdhec.gov/environment/water/drsmainpage.htm

Completing the Form:

You must type or print legibly. You must include the original, signed form.

Where to File:

Once you have coordinated with your local and State emergency responders and the form is completed, submit one copy with original signatures to the address shown below:

SCDHEC – BOW Dams and Reservoirs Safety 2600 Bull St. Columbia, SC 29201

Additionally, the emergency dispatch in your area should be provided a copy of this form once it has been accepted by DHEC. You should retain a copy onsite or near by for use during an emergency. DHEC inspectors will request to view this plan along with any other Emergency Action Plan (EAP) documentation you may have during scheduled inspections.

I. Signatures and Certifications:

DO NOT SIGN IN BLACK INK! This form must contain original signature. If the dam owner is a company, print the name of the person who is signing the form for the dam owner. A person with signatory authority for the dam owner must sign the application.

II. Communication

Insert the name and if applicable the position for the individual that is responsible for implementing the Surveillance and Emergency Notification and Action Plan as well as the dam's SC Inventory Number into the prescribed messages for potential and imminent failure events.

III. Dam Owner and Site Information

Enter the SC Inventory Number, Dam Name, and County in which the dam is located. Additional list the SC Inventory Number on page one in the title block (top right hand side).

<u>A. Dam Owner Information</u>: Enter the official or legal name of the dam owners. If the dam owner is a company, then a contact person should be listed. This can be someone other than the person that has signatory authority for the company. Please provide all requested information including the email address.

<u>B. Site Information</u>: Enter a description of the sites location such as a site address or nearest intersection and provide all other requested information including the latitudinal and longitudinal coordinate information. See the following website for assistance in obtaining latitude/ longitude coordinates: <u>http://www.epa.gov/tri/report/siting_tool/index.htm</u>. Latitude (from 32° to 35°) and longitude (78° to 83°) should be for the center of the dam to the nearest 15". Minutes (') should be from 0 to 59, and seconds (") should be 0, 15, 30, or 45.

IV. Potentially Inundated Properties

Enter the information for properties located in low-lying areas that would likely be inundated in the event of a failure of the dam that would be inundated. Inundation maps may be required to determine which properties are at risk. If inundation maps are developed, include them as an addendum to this form. In situations where vast amounts of properties will need to be contacted and evacuated, **coordination with the local emergency responders will be necessary** and only properties where local authorities cannot issue timely warnings should be listed. The following website has valuable information and instructions for developing inundation maps: http://www.damsafety.org/community/owners/?p=3a95437d-1876-46d6-843b-d65d45beb46a

V. Notification Flow Charts

Enter the primary contact information for the local emergency management service and the SCDHEC Regional Office that serves the area where the dam is located. The following websites may be used but confirm the use of the number during an emergency with the county agency:

County Emergency Responders- <u>http://www.scemd.org/index.php/who-we-are/county-agencies</u> DHEC Regional Offices- <u>http://www.scdhec.gov/environment/envserv/regions.htm</u>

Office Mechanics and Filing

This form shall be kept on file until the dam is no longer regulated by DHEC or it is updated. Copies will be stored with the Bureau of Water and Regional Office serving the county in which the dam is situated.



















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

CERTIFIED MAIL

NI

February 15, 2011

Leo J. Martin, Jr. 6637 Hunting Swamp Road Conway, SC 29527

RE: Inspection of Dam No. 26-D3628, Martin Dam (formerly Graham Dam), Horry County

Dear Mr. Martin:

On December 15, 2010, our office conducted a routine inspection of the Martin Dam. I regret that you were not available to attend.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears to be in <u>fair condition</u>, however, needs maintenance and selected repairs as outlined in the inspection report. We encourage you to implement a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. In addition, please perform continuous periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-24 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

Enclosures

BOW cc: **Project** File

Region 6

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EOC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov



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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 15, 2010 26-D3628/Horry A. Scott Roberts None None

List of noted deficiencies or items requiring correction/checking on the Martin Dam (formerly Graham Dam):

- 1. Trees (less than 6"diameter) and brush on the downstream slope should be cut, removed and replaced with a good cover of grass.
- 2. The dam has little freeboard to handle rising water levels during periods of heavy rain.

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

1. Items #1, & #2 above as noted in the previous inspection report dated December 12, 2007.

Was the Emergency Action Plan Updated? Yes

Signed

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

Region 6

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin	Dam No. 26-D3	528			COL	INTY	': Ho	orry
As	X Owner		Manager		Operato	or (Please o	check one)
of the	above reference	dam, the	person(s)	named	below	are	respons	ible for sa

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:

SURVEILLANCE 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, Region 6, Myrtle Beach EQC Office: (843) 238-4378 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.

- South Carolina Highway Patrol: (843) 365-5001 1.
- 2. Local Highway Maintenance Engineer: (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town 3. officials. Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response: 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Leo J. Martin	12-15-10	Home: (843) 397-3141
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

· · · · · · · · · · · · · · · · · · ·	· ·	Date ,	
The ownership of Dam D,,	(Name of Dam)		_ ir
Owner 1*			
Address			
City, State, Zip			
Telephone Number			
Owner 2 [*] (if applicable) Address			
City, State, Zip			
Telephone Number			
Additional Owner [*] (if applicable) Address			
City, State, Zip			
Telephone Number If owner is a corporation, give name of priv			
•			
	(Previous Owner's	s Signatur	e)
	Previous Owr	ner's Nam	e

Mail Above Notification To:

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

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

March 20, 2008

Leo J. Martin, Jr. 6637 Hunting Swamp Road Conway, SC 29527

RE: Inspection of Dam No. 26-D3628, Martin Dam (formerly Graham Dam), Horry County

Dear Mr. Martin:

On December 12, 2007, Terry Boyd and I conducted a routine inspection of the Martin Dam. We regret that you could not be available to attend.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears stable but it needs maintenance and selected repairs as outlined in the inspection report. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-24 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH GAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 12, 2007 26-D3628/Horry Scott Roberts and Terry Boyd None None

List of noted deficiencies or items requiring correction/checking on the Martin Dam (formerly Graham Dam):

- 1. Trees (less than 6"diameter) and brush on the downstream slope should be cut, removed and replaced with a good cover of grass.
- 2. Floating debris and mud caused by beaver activity should be removed from around the drop inlet structure of the primary spillway. Appropriate measures should immediately be taken to trap the beavers.
- 3. Vegetation should be removed from around primary spillway to prevent obstruction.
- 4. The dam has little freeboard to handle rising water levels during periods of heavy rain.

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

1. Items #1, #2, #3, & #4 above as noted in the previous inspection report dated October 29, 2004.

Was the Emergency Action Plan Updated? Yes

Signed C

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

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S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin Dam No. 26-D3628

COUNTY: Horry

As LX Owner LJ Manager Derator (Please check one)

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:

SURVEILLANCE 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, <u>Region 6, Myrtle</u> Beach EQC Office: (843) 238-4378 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: (843) 365-5001
- 2. Local Highway Maintenance Engineer: (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450*
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Leo J. Martin	12-12-07	Home: (843) 397-3141
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	, Date
he ownership of Dam D,	
County has ch	(Name of Dam)
Owner 1*	
Address	
City, State, Zip	
Telephone Number	
Owner 2 [*] (if applicable) Address	
City, State, Zip	·
Telephone Number	
Additional Owner [*] (if applicable) Address	
City, State, Zip	
Telephone Number If owner is a corporation, give name of	
	(Previous Owner's Signature)
	Previous Owner's Name
Above Notification To: S.C. Department	Previous Owners Address

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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

November 30, 2007

Leo J. Martin, Jr. 6637 Hunting Swamp Road Conway, SC 29527

RE: State Dam No. 26-D3628 located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, SC in Horry County. This dam was formerly owned by Jimmy Graham.

Dear Mr. Martin:

With reorganization, the SC Department of Health and Environmental Control became responsible for the Dam Safety Program. Your dam is due its routine inspection under provisions of the SC Dams and Reservoirs Safety Act.

Please be hereby informed that the inspection has been tentatively scheduled Wednesday, December 12, 2007, at 10:00 p.m. We request that you have someone available to accompany us on the inspection and to update the names and telephone numbers on the Surveillance and Emergency Notification Plan (SENP) for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the SENP. Please take time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC Office

Enclosure

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon

Coleman L. Buckhouse, MD

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

February 3, 2005

Leo J. Martin, Jr. 6637 Hunting Swamp Rd. Conway, S.C. 29527

RE: Reinspection of Dam No. 26-D3628, Martin Dam(formerly Graham Dam), Horry County

Dear Mr. Martin:

On October 29, 2004, we conducted a routine reinspection of the Martin Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our current inspection report on the dam. We have again included for your information another copy of the previous 4-22-98 inspection report with recommendations of corrective action from Mr. Alex Johnson with the Natural Resource Conservation Service (NRCS). Overall, the dam appears stable but it needs maintenance and selected repairs as outlined in the inspection reports.

We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-24 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

W. Boud

Terry W. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Steven M. Bradley, P.E., Bureau of Water Dams and Reservoirs Safety Alex Johnson, Jr., District Conservationist, NRCS BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon Coleman L. Buckhouse, MD

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

Inspection Report

Date: October 29, 2004

Dam No./ County: 26-D3628/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present:

Terry Boyd and Matthew Maxwell

Leo J. Martin, Jr., Owner

Others Present:

None

List of noted deficiencies or items requiring correction/checking on the Martin Dam (formerly Graham Dam):

- 1. Trees (less than 6"diameter) and brush on the downstream slope should be cut, removed and replaced with a good cover of grass.
- 2. Floating debris and mud caused by beaver activity should be removed from around the drop inlet structure of the primary spillway. Appropriate measures should immediately be taken to trap the beavers.
- 3. Vegetation should be removed from around primary spillway to prevent obstruction.
- 4. The dam has little freeboard to handle rising water levels during periods of heavy rain.

Several of the recommendations for corrective action are again being noted based on the previous 4-22-98 inspection report from Mr. Alex Johnson, Jr. with NRCS:

- a. There is no defined emergency spillway but neither is there any sign of erosion because of the long flat surface. A defined emergency spillway could be accomplished with the removal of the red tip shrubs, the grading of approximately a 25' width toward the downstream slope/garden area and then the planting of a good cover of grass.
- b. The mud should be removed from around the primary spillway riser and then the existing grate should be removed and replaced with a new bottom water release trash rack to reduce the chance of clogging by trash.

Inspection Report Dam No. 26-D3628/Horry Co. Page 2 of 2

- d. Keep limbs of large trees on the back of the dam (downstream slope) trimmed and underbrush cut close to the ground.
- e. You may choose to use recommended approved herbicides to kill unwanted vegetation such as lillypads.

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

1. The above items #1, 3, 4, 6-a, 6-b, 6-d & 6-e as noted in the previous May 24, 2001 inspection report.

Was the Emergency Action Plan Updated? Yes

Terry W. Bpyd, Waccamaw EQC District Engineer Signed

DHEC 2604 (6/94)

SDA	78 13:45 803 365 6650 United States Department of Agriculture	FSA/NRCS CONWAY >9469390 Pg. 01/01 Natural 1949 Industrial Park Road, Rm 125 Resources Conway SC 29526 Conservation	
	April 22, 1998	FAX TRANSMITTAL	
	Subject: Pond Dam Condition	Dept./Agency Phone #	•
	To: Leo Martin, landowner	Fax # 946-9390 +0x # NSN 7540-01-317-7368 5099 101 GENERAL SERVICES ADMINISTRATION	

This is to document an onsite visit this morning at your pond near Punch Bowl by myself and Sammy Johnson. The following conditions were found and recommendations are included:

FINDINGS

- The dam is in good condition and based on your knowledge, it has runover only 3 or 4 times in the last couple of decades. There is no defined emergency spillway, but neither is there any sign of erosion because of the long flat surface. Large trees exist on the back slope of the dam and a good stand of grass vegetation exists on the top and front of the dam.
- Beavers exist in the pond and have tried to block the spillway. You have placed a grate on the riser, but it gets clogged with trash at times. The beavers have stacked mud up to the top of the riser.

RECOMMENDATIONS

- Keep large trees on the back of the dam trimmed and underbrush cut close to the ground. Seed bahiagrass on any bare areas of the dam. Removal of large trees from the back of the dam would leave dead roots in the dam and create a safety hazard which would probably require rebuilding the entire dam. If trees are blown down, they should not cause an immediate threat to the dam, but would possibly require work to address the dead root problem.
- The mud should be removed from around the riser and a new bottom water release trash rack installed to reduce the chance of clogging by trash. (See attachment).
- The most important thing to be done is to trap out all of the beavers. This will alleviate some of the current problems and prevent future problems as well. (Contact John Boyd at 358-0359 Home or 248-1158 Pager).
- Use recommended herbicides to kill unwanted vegetation such as the lillypads if you so choose.

If you have any questions or need more assistance, please let me know.

Alex Johnson, Jr.

District Conservationist

AJJ/new attachment cc: Fred Earnhardt

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin Dam No. 26-D3628 COUNTY: Horry

As ^LX Owner ^{L J} Manager ^{L J} Operator (Please check one)

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:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Leo J. Martin	10-29-04	Home: (843) 397-3141
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

	, Date
The ownership of Dam D,	ir
	(Name of Dam)
County has chang	
Owner 1*	
Address	
City, State, Zip	
Telephone Number	
Owner 2 [*] (if applicable) Address	
City, State, Zip	
Telephone Number	
Additional Owner (if applicable) Address	
City, State, Zip	
Telephone Number If owner is a corporation, give name of pr	
	0
	(Previous Owner's Signature)
	Previous Owner's Name
	Previous Owners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon

Coleman L. Buckhouse, MD

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

October 26, 2004

Leo J. Martin, Jr. 6637 Hunting Swamp Rd. Conway, SC 29527

Re: State Dam No. 26-D3628 located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, SC in Horry County. Jimmy Graham formerly owned this dam.

Dear Mr. Martin:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

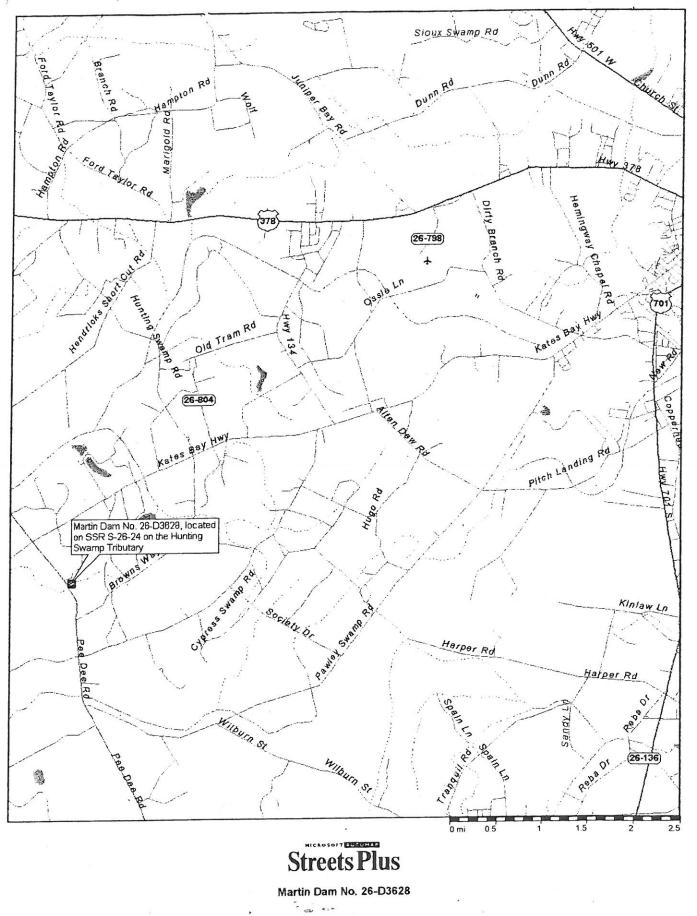
This letter is a follow-up to our telephone conversation on October 21, 2004. I, the District Engineer along with Matthew Maxwell from our office, have tentatively scheduled Friday, October 29, 2004, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 3:00 pm. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Terry W. Boyd

District Engineer Waccamaw EQC District



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Page 1



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

June 19, 2001

Leo J. Martin, Jr. 6637 Hunting Swamp Rd. Conway, S.C. 29527

RE: Reinspection of Dam No. 26-D3628, Martin Dam(formerly Graham Dam), Horry County

Dear Mr. Martin:

On May 24, 2001, we conducted a routine reinspection of the Martin Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our current inspection report on the dam. We have again included another copy of the previous 4-22-98 inspection report with recommendations of corrective action from Mr. Alex Johnson with the Natural Resource Conservation Service (NRCS) . Overall, the dam appears stable but it needs maintenance and selected repairs as outlined in the inspection reports.

We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-24 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

enny W. Band

Terry W. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division Alex Johnson, Jr., District Conservationist, NRCS



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: May 24, 2001

Dam No./ County: 26-D3628/Horry

Representatives of SCDHEC Present:	Shauna Fowler and Terry Boyd
Representatives of Owner Present:	Leo J. Martin, Jr.
Others Present:	None

List of noted deficiencies or items requiring correction/checking on the Martin Dam(formerly Graham Dam):

- 1. Trees(less than 6" diameter) on the downstream slope should be cleared off and replaced with a good cover of grass.
- 2. Verification was made that the drop inlet structure of the primary spillway was not surrounded by floating debris from beaver activity since previous measures had been taken to trap the beavers.
- 3. Vegetation should be removed from around the primary spillway to prevent obstruction.
- 4. The dam has little freeboard to handle rising water levels during periods of heavy rain.
- 5. There was evidence of repair work activity involving extending the pipe outlet into the plunge pool to reduce erosion into the toe of the embankment and then repairing the eroded area.
- 6. The following recommendations for corrective action are again being noted based on the previous 4-22-98 inspection report from Mr. Alex Johnson, Jr. with NRCS:
 - a. There is no defined emergency spillway but neither is there any sign of erosion because of the long flat surface. A defined emergency spillway could be accomplished with the removal of the red tip shrubs, the grading of approximately a 25' width toward the downstreamslope/garden area and then the planting of a good cover of grass.
 - b. The mud should be removed from around the primary spillway riser and then the existing grate should be removed and replaced with a new bottom water release trash rack to reduce the chance of clogging by trash.
 - c. There was no evidence of beaver activity in blocking the primary spillway as previously noted in the 1998 inspection reports.

Inspection Report Dam No. 26-D3628/Horry Co. Page 2 of 2

- d. Keep limbs of large trees on the back of the dam(downstream slope) trimmed and underbrush cut close to the ground.
- e. You may chose to use recommended approved herbicides to kill unwanted vegetation such as lillypads.

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

1. The above items #1, 4, 6-a, 6-b, 6-d & 6-e as noted in the previous April 7, 1998 inspection report.

Was the Emergency Action Plan Updated? Yes

Terry W. Bofd, Waccamaw EQC District Engineer Signed DHEC 2604 (6/94)

United States DA DA DA DA Department of Agriculture	FSA/NRCS CONWAY >9469390 Pg. 01/01 Natural 1949 Industrial Park Road, Rm 125 Resources Conway SC 29526 Conservation Phone: (803) 365_SCHL (7645) Service OPTIONAL FORM 99 (7-90)
April 22, 1998	FAX TRANSMITTAL
Subject: Pond Dam Condition	Depr./Agency Prone #
To: Leo Martin, landowner	Fax # 9 4 6 - 9 3 9 0 + 0x # NSN 7540-01-317-7388 5099 101 GENERAL SERVICES ADMINISTRATION

This is to document an onsite visit this morning at your pond near Punch Bowl by myself and Sammy Johnson. The following conditions were found and recommendations are included:

FINDINGS

- The dam is in good condition and based on your knowledge, it has runover only 3 or 4 times in the last couple of decades. There is no defined emergency spillway, but neither is there any sign of erosion because of the long flat surface. Large trees exist on the back slope of the dam and a good stand of grass vegetation exists on the top and front of the dam.
- Beavers exist in the pond and have tried to block the spillway. You have placed a grate on the riser, but it gets clogged with trash at times. The beavers have stacked mud up to the top of the riser.

RECOMMENDATIONS

- Keep large trees on the back of the dam trimmed and underbrush cut close to the ground. Seed bahiagrass on any bare areas of the dam. Removal of large trees from the back of the dam would leave dead roots in the dam and create a safety hazard which would probably require rebuilding the entire dam. If trees are blown down, they should not cause an immediate threat to the dam, but would possibly require work to address the dead root problem.
- The mud should be removed from around the riser and a new bottom water release trash rack installed to reduce the chance of clogging by trash. (See attachment).
- The most important thing to be done is to trap out all of the beavers. This will alleviate some of the current problems and prevent future problems as well. (Contact John Boyd at 358-0359 Home or 248-1158 Pager).
- Use recommended herbicides to kill unwanted vegetation such as the lillypads if you so choose.

If you have any questions or need more assistance, please let me know.

Alex Johnson, Jr.

District Conservationist

AJJ/new attachment cc: Fred Earnhardt

SDA	78 13:45 803 365 6650 United States Department of Agriculture	FSA/NRCS CONWAY >9469390 Pg. 01/01 Natural 1949 Industrial Park Road, Rm 125 Resources Conway SC 29526 Conservation Phone: (903) 365_SCHL (7645) Service OPTIONAL FORM 99 (7-90)
	April 22, 1998	FAX TRANSMITTAL
	Subject: Pond Dam Condition	Dept./Agency Phone #
	To: Leo Martin, landowner	Fax # 946 - 9390 Fox # NSN 7540-01-317-7368 5099 101 GENERAL SERVICES ADMINISTRATIO

This is to document an onsite visit this morning at your pond near Punch Bowl by myself and Sammy Johnson. The following conditions were found and recommendations are included:

FINDINGS

- The dam is in good condition and based on your knowledge, it has runover only 3 or 4 times in the last couple of decades. There is no defined emergency spillway, but neither is there any sign of erosion because of the long flat surface. Large trees exist on the back slope of the dam and a good stand of grass vegetation exists on the top and front of the dam.
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RECOMMENDATIONS

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- Use recommended herbicides to kill unwanted vegetation such as the lillypads if you so choose.

If you have any questions or need more assistance, please let me know.

Alex Johnson, Jr.

District Conservationist

AJJ/new attachment cc: Fred Earnhardt

The Natural Resources Conservation Service, formerly the Soil Conservation Service, is an agency of the United States Department of Agriculture

AN EQUAL OPPORTUNITY EMPLOYER

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin	Dan	n No. 26	<u>3-D362</u>	8			COUN	ITY:	Hor	ry		
					Manager							
of the	abo	ve refer	ence d	am, the p	person(s)	named	below a	re resp	onsib	le for safe ma	ainter	nance and
operati	on	of the	above	dam and	reservoi	r and	are resp	onsible	for	implementing	the	following
Surveil	lanc	e Plan a	nd the	following	Emergen	cy Not	ification	Plan:				

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 248-1520
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Leo J. Martin	5-24-01	Home: (843) 397-3141
Name	Date	Telephone

DHEC 2606(05/01)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin Dam No. 26-D3628	COUNTY: Horry
As X Owner Manager	Operator (Please check one)
of the above reference dam, the person(s) named	d 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 No	tification Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 will be notified if any of the above symptoms are found.

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- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 248-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for impleme	nting Surveillance Plan and Eme	rgency Notification Plan:
Leo matta	5-24-01	843-397-3141
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

, 		Date
The ownership of Dam D,,		ir
County has changed	(Name of Dam)	
Owner 1*		
Address		
City, State, Zip		a
Telephone Number		
Owner 2 [*] (if applicable) Address		
City, State, Zip		
Telephone Number		
Additional Owner [*] (if applicable) Address		
City, State, Zip		
Telephone Number *If owner is a corporation, give name of prin		
	(Previous Owner'	s Signature)
	Previous Ow	ner's Name
•		
	Previous Own	ners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

May 21, 2001

Leo & Dolores Martin 6637 Hunting Swamp Rd. Conway, SC 29527

Re: State Dam No. 26-D3628 located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, SC in Horry County. Jimmy Graham formerly owned this dam.

Dear Mr. Martin:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on May 16, 2001. I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday, May 24, 2001, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 2:30 pm. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Martin Dam No. 26-D3628		COUN	ITY: Horry	
As X Owner	•		(Please check	one)

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:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 248-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

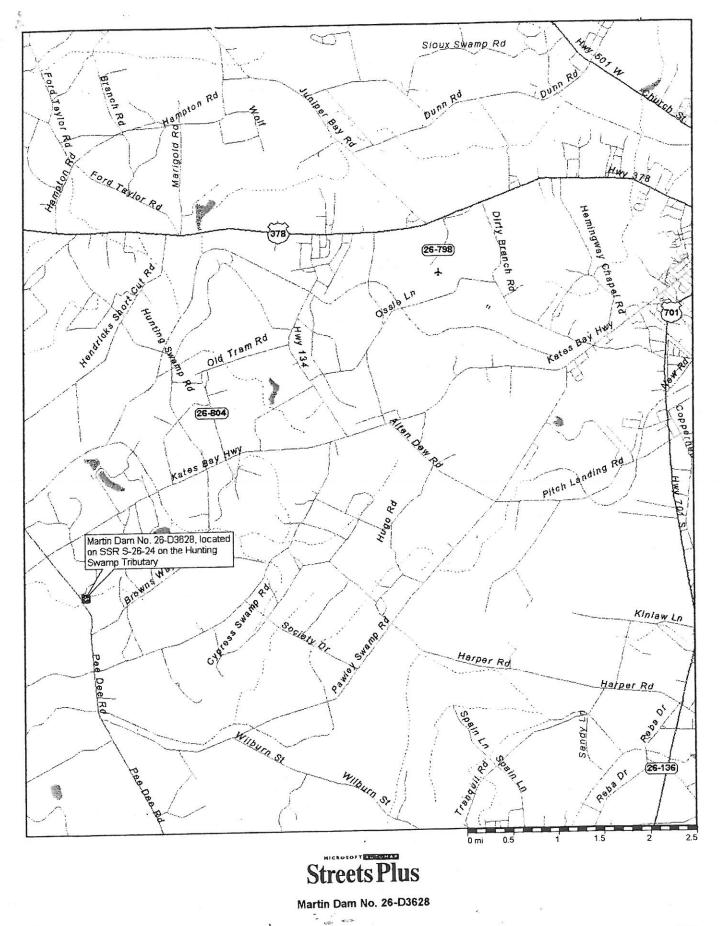
Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan:

Leo J. Martin Name

Date

Home: (843) 397-3141 Telephone

DHEC 2606(05/01)



Page 1



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving Georgetown, Horry, And Williamsburg Counties

May 20, 1998

Leo J. Martin, Jr. 6637 Hunting Swamp Road Conway, S.C. 29527

RE: Reinspection of Dam No. 26-D3628, Martin Dam(formerly Graham Dam), Horry County

Dear Mr. Martin:

On April 7, 1998, we conducted a routine reinspection of the Martin Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam which also includes a summary of corrective action that should be taken based on the 4-22-98 inspection report(copy enclosed) submitted to you from Mr. Alex Johnson with the Natural Resource Conservation Service (NRCS). Overall, the dam appears stable but it needs maintenance and selected repairs as outlined in the inspection reports. We fully support the findings and recommendations presented in Mr. Johnson's inspection report and truly appreciate his timely, courteous and professional service in response to the request to provide you assistance.

We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-24 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely. erry W. Boys

Terry W. Boyd
Waccamaw EQC District Engineer
Enclosures
cc: Richard Yongue, Bureau of Water Compliance Assurance Division Alex Johnson, Jr., District Conservationist, NRCS



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: April 7, 1998

Dam No./ County: 26-D3628/Horry

Representatives of SCDHEC Present:	Fred Earnhardt and Terry Boyd
Representatives of Owner Present:	Leo J. Martin, Jr.
Others Present:	None

List of noted deficiencies or items requiring correction/checking on the Martin Dam(formerly Graham Dam):

- 1. Trees(less than 6" diameter) on the downstream slope should be cleared off and replaced with a good cover of grass.
- 2. The drop inlet structure of the primary spillway is surrounded by floating debris. Beavers appear to still be active in the area. Measures should be taken to prevent the beavers from blocking the drop inlet structure.
- 3. The dam has little freeboard to handle rising water levels during periods of heavy rain.
- 4. The plunge pool at the end of the pipe outlet has cut into the toe of the embankment. Extending the pipe a few feet and repairing the eroded area should correct the problem.
- 5. Based on discussions with Mr. Alex Johnson, Jr. with NRCS, it was mutually agreed and recommended that the following summary of corrective action be taken as noted in his 4-22-98 inspection report submitted to you:
 - a. There is no defined emergency spillway but neither is there any sign of erosion because of the long flat surface. A defined emergency spillway could be accomplished with the removal of the red tip shrubs, the grading of approximately a 25' width toward the downstreamslope/garden area and then the planting of a good cover of grass.
 - b. The mud should be removed from around the primary spillway riser and then the existing grate should be removed and replaced with a new bottom water release trash rack to reduce the chance of clogging by trash.
 - c. Beavers exist in the pond and have tried to block the primary spillway; therefore, to alleviate some of the current problems and prevent future problems as well, the beavers need to be trapped.

Inspection Report Dam No. 26-D3628/Horry Co. Page 2 of 2

- d. Keep limbs of large trees on the back of the dam(downstream slope) trimmed and underbrush cut close to the ground.
- e. You may chose to use recommended approved herbicides to kill unwanted vegetation such as lillypads.

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

1. The 12-8-94 inspection report of the Graham Dam stated that the dam was in essentially the same condition as at the time of the last inspection in 1991 with reference to the above noted items 1, 2, 3 & 4.

Was the Emergency Action Plan Updated ? Yes

Terry W. Boyd, Waccamaw EQC District Engineer Signed

DHEC 2604 (6/94)

JSDA	98 13:45 803 365 6650 United States Department of Agriculture	FSA/NRCS CONWAY >9469390 Pg. 01/01 Natural 1949 Industrial Park Road, Rm 125 Resources Conway SC 29526 Conservation Phone: (803) 365_SCHL (7645) Service OPTIONAL FORM 99 (7-90)
	April 22, 1998	FAX TRANSMITTAL # of pages #
	Subject: Pond Dam Condition	Dept/Agency Phone "
đ	To: Leo Martin, landowner	Fax # 946 - 9390 Fox # NSN 7540-01-317-7368 5099 101 GENERAL SERVICES ADMINISTRATIC

This is to document an onsite visit this morning at your pond near Punch Bowl by myself and Sammy Johnson. The following conditions were found and recommendations are included:

FINDINGS

- The dam is in good condition and based on your knowledge, it has runover only 3 or 4 times in the last couple of decades. There is no defined emergency spillway, but neither is there any sign of erosion because of the long flat surface. Large trees exist on the back slope of the dam and a good stand of grass vegetation exists on the top and front of the dam.
- Beavers exist in the pond and have tried to block the spillway. You have placed a grate on the riser, but it gets clogged with trash at times. The beavers have stacked mud up to the top of the riser.

RECOMMENDATIONS

• Keep large trees on the back of the dam trimmed and underbrush cut close to the ground. Seed bahiagrass on any bare areas of the dam. Removal of large trees from the back of the dam would leave dead roots in the dam and create a safety hazard which would probably require rebuilding the entire dam. If trees are blown down, they should not cause an immediate threat to the dam, but would possibly require work to address the dead root problem.

1

- The mud should be removed from around the riser and a new bottom water release trash rack installed to reduce the chance of clogging by trash. (See attachment).
- The most important thing to be done is to trap out all of the beavers. This will alleviate some of the current problems and prevent future problems as well. (Contact John Boyd at 358-0359 Home or 248-1158 Pager).
- Use recommended herbicides to kill unwanted vegetation such as the lillypads if you so choose.

If you have any questions or need more assistance, please let me know.

Alex Johnson, Jr.

District Conservationist

AJJ/new attachment cc: Fred Earnhardt

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

Leo and	Delores Martin	Dam No. 26-D3628		COUNTY: Horry
As	Owner	Manager	Operator	(Please check one)
of the ab	ove reference da	m, the person(s) name	d below are resp	consible for safe maintenance and operation
of the at	ove dam and re	servoir and are respon	sible for implen	nenting the following Surveillance Plan and
the follo	wing Emergency	Notification Plan:		

SURVEILLANCE 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, <u>Terry Boyd</u> (843)-448-1902 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 (803) 661-4700
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Preparedness Agency (843) 248-1225 Horry County Police (843) 248-6241
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: 1-888-481-0125 (toll free)

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

4-7-98 803 - 397 - 314 Date Telephone

DHEC 2606(07/97)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

					191
	1 1		;	Date	
The ownership of Dam D	/				in
Coun		(Name of Dam	1) (man(a)		
Owner 1*					
Address					
City, State, Zip				Ŀ	
Telephone Number					
Owner 2 [*] (if applicable)		:			
Address	×0				
City, State, Zip				5	
Telephone Number					
Additional Owner [*]					
(if applicable) Address					
City, State, Zip					
Telephone Number					
*If owner is a corporation, give	name of princip	al contact pe	rson:		
		(Previous Ov	wner's	Signatur	e)
		Previous	s Owne	er's Nam	е

Mail Above Notification To:

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390 Serving Georgetown, Horry, and Williamsburg Counties

March 26, 1998

Leo & Dolores Martin 6637 Hunting Swamp Road Conway, South Carolina 29527

Re: State Dam No. 26-D3628, located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, South Carolina, in Horry County. This dam was formerly owned by Jimmy Graham.

Dear Sirs:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Tuesday, April 7, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 1:00 pm. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our April 7th inspection.

Sincerely,

Fred Kl. Earnhardt Section Manager Waccamw EQC



Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390 Serving Georgetown, Horry, and Williamsburg Counties

March 23, 1998

Timothy M. Furches & Jimmy R. Graham 4585 Pee Dee Highway Conway, South Carolina 29527

Re: State Dam No. 26-D3628, located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, South Carolina, in Horry County.

Dear Sirs:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Tuesday, April 7, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 1:00 pm. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our April 7th inspection.

Sincerely, F. Senhaul

Fred K. Earnhardt Section Manager Waccamw EQC

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

Furche	s & Graham Dam	No. 26-D3628		COUNTY: Horry
		Manager		
of the	above reference da	m, the person(s) name	d below are res	ponsible for safe maintenance and operation
of the	above dam and res	servoir and are respon	sible for implen	nenting the following Surveillance Plan and

SURVEILLANCE 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, <u>Terry Boyd</u> (843)-448-1902 will be notified if any of the above symptoms are found.

EMERGENCY NOTIFICATION PLAN

the following 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 (803) 661-4700
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Preparedness Agency (843) 248-1225 Horry County Police (843) 248-6241
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: 1-888-481-0125 (toll free)

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Name

Date

Telephone

DHEC 2606(07/97)



71 B

Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour. DDS, Chairman Robert J. Stripling, Jr., Vice Chairman Sandra J. Molander. Secretary William E. Applegate, III, John H. Burriss Tony Graham, Jr., MD John B. Pate, MD

Promoting Health, Protecting the Environment

December 8, 1994

Timothy M. Furches & Jimmy R. Graham 4585 Pee Dee Highway Conway, S.C. 29527

Re: State Dam No. 26-D3628, located just upstream from State Secondary Road S-26-24 on a tributary of Hunting Swamp, southeast of Conway, S.C., in Horry County.

Dear Sirs:

In accordance with the South Carolina Dams and Reservoirs Safety Act, the S.C. Department of Health and Environmental Control has inventoried all dams subject to the Act. The inventory identifies certain dams that come under the provisions of the Act due to their size and location.

The above referenced dam has been identified as being in this category and a visual reinspection has been made. This inspection was done to determine the present condition of the dam and note any changes that may have occurred since the last inspection.

The findings of the inspection are as follow:

- 1. The dam is considered to be a Class II structure (significant downstream hazard potential) due to probable damage to downstream property in the event of failure.
- 2. The dam is in essentially the same condition as at the time of the last inspection in 1991.

-

Graham Jimy R. 397-5092

2 recurled name

26-D3628 December 8, 1994 Page 2

- 3. There are trees on the downstream slope. These should be cleared off and replaced by a good cover of grass.
- 4. The drop inlet structure is surrounded by floating debris. Beavers appear to still be active in the area and measures should be taken to prevent them from blocking the drop inlet structure.
- 5. The dam has little freeboard to handle rising water levels during periods of heavy rain.
- 6. The plunge pool at the end of the pipe outlet has cut into the toe of the embankment. Extending the pipe a few feet and repairing the eroded area should correct this problem.

The hydrologic and hydraulic studies necessary to determine the adequacy of the spillway system to safely pass the design flood for a dam of this size and hazard class were not a part of this inspection.

We suggest that you establish a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems which may affect the safety of the dam.

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

A recent change to the S. C. Dams and Reservoirs Safety Act requires the owner to notify us in writing within 30 days after title to the dam has been legally transferred to someone else.

I am enclosing two copies of our emergency notification and surveillance plan. Please complete both copies and return one copy for our files. If you have any questions, please call.

If you have any questions, please call.

Sincerely, Murum

Rick Nuzum, P.E. Regional Engineer Dams and Reservoirs Safety Program

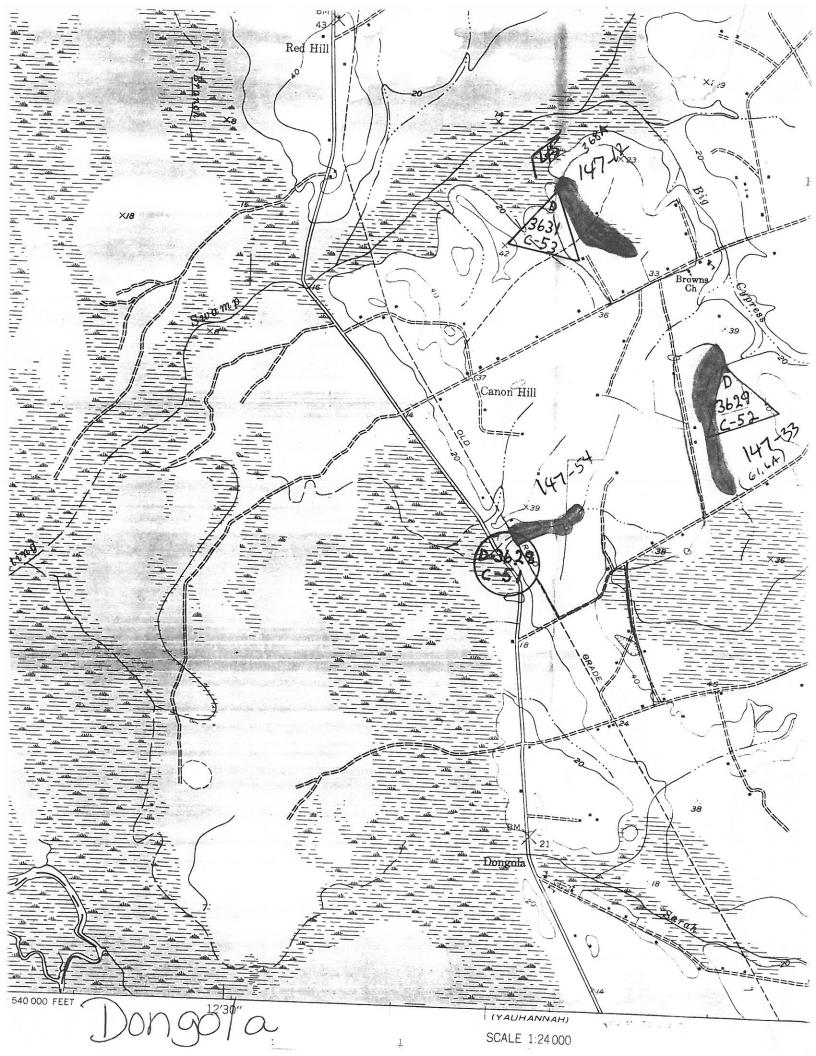
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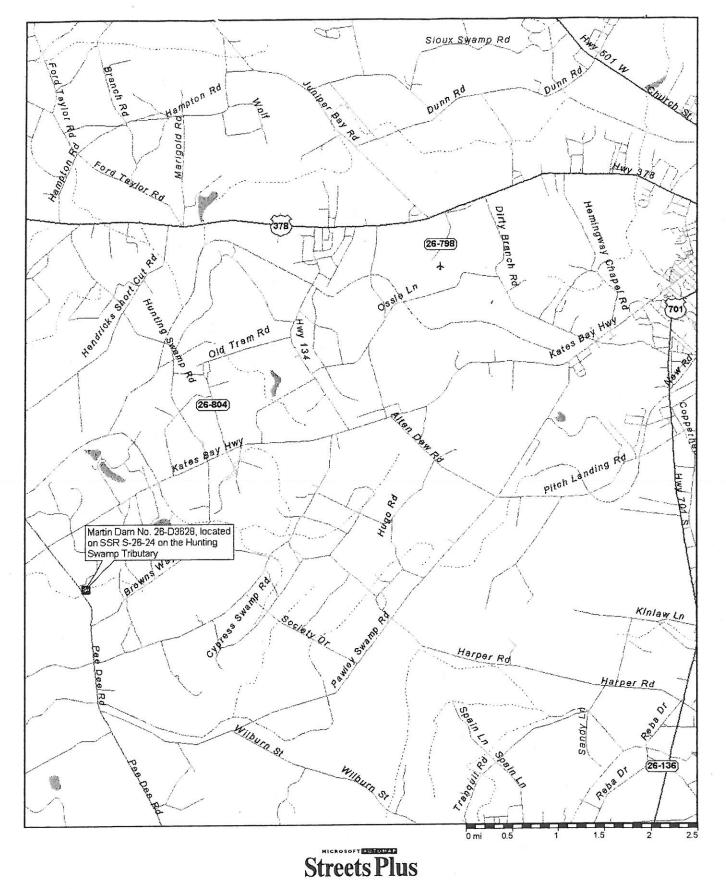
enclosures

cc: Dr. George Ballentine, SCDHEC

INSPECTION REPORT

Date	
Dam	
Representatives of SCDHEC Present:	
Representatives of Owner Present:	
Others Present:	
List of noted deficiencies or items requiring correction/che	cking:
List of previously noted items still uncorrected and dates p	previously noted:
Emergency Action Plan Updated Yes	No
Signature of Person Completing Fo	rm
DHEC 2604 (6/94)	

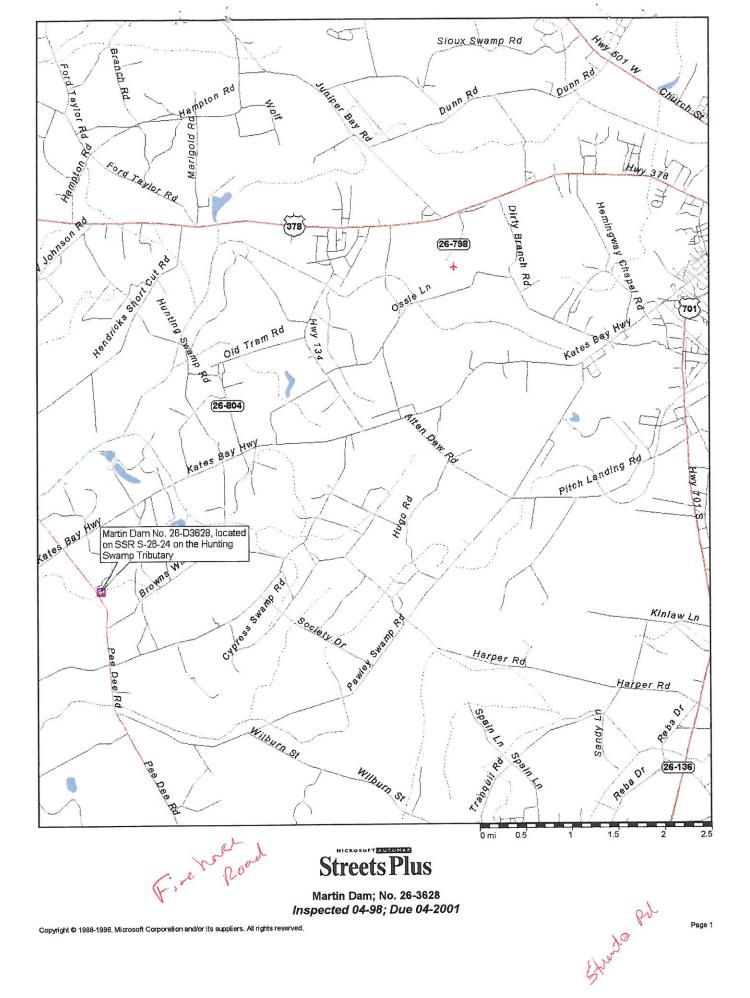




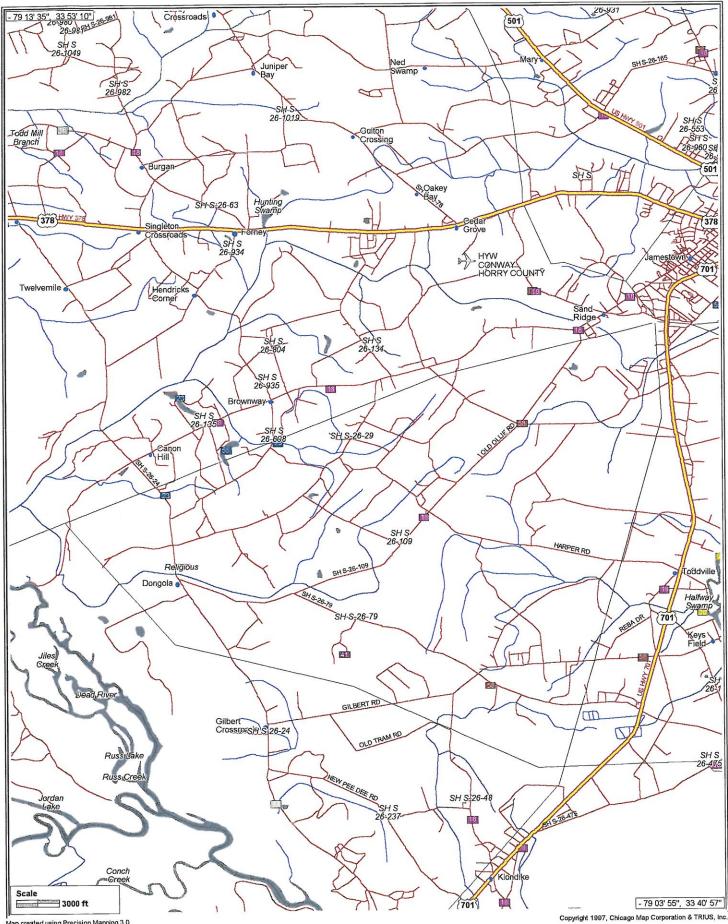
Martin Dam No. 26-D3628 Inspected 03-98; Next inspection due 03-2001

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Page 1

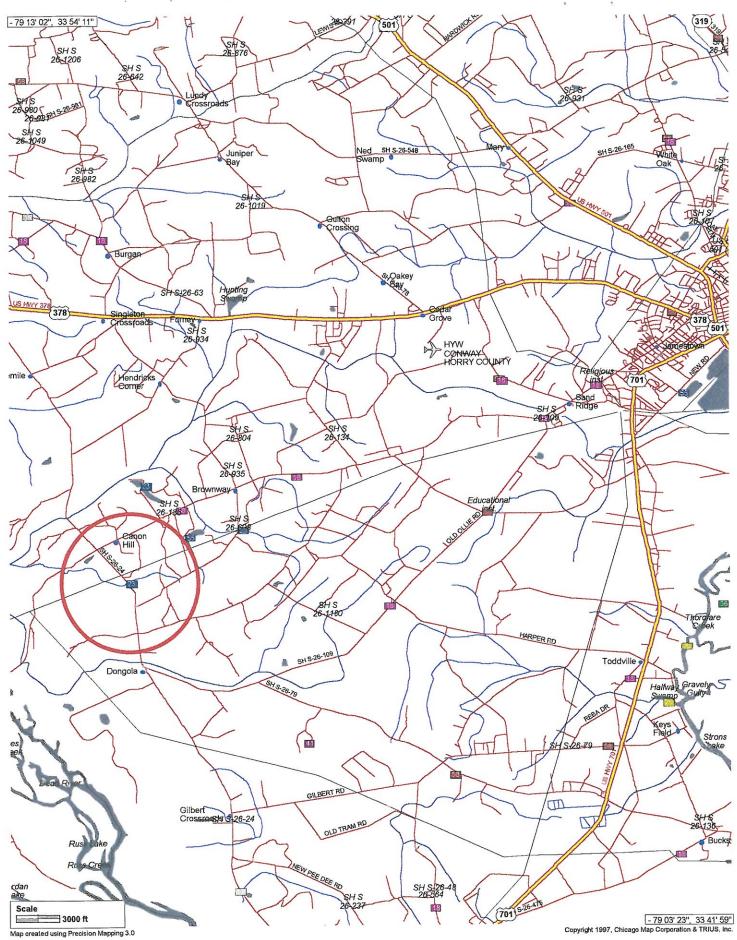


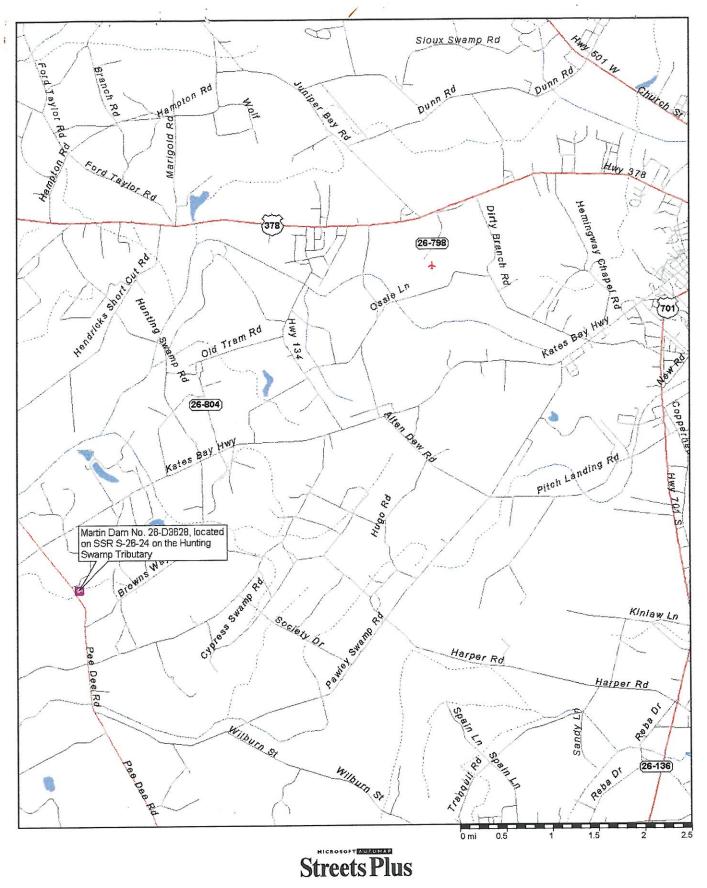
GRAHAM DAM NO. 26-D-3628



Map created using Precision Mapping 3.0

GRAHAM DAM NO. 26-D-3628





Martin Dam No. 26-D3628 Inspected 03-98; Next inspection due 03-2001

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Page 1

HEC MOTE PROTECT PROSPER	Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Inf	formation)
A. Dam Number: D 3632	& Hazard Class Z B. Name of Dam: CHEST NUT DAM
C. Inspection Date (12/09)	20 13) & Time: 2:30 Pm D. Date of Last Inspection: (/_/)
E. Location-County/City: 14	OLEY I MB F. EQC Regional Office: PEE DEE - MB
G. Inspector's Name:	ARRY RAGSDALE
H. Owner's Name: <u>THE</u>	ELMA CHESTNUT (SEE SECTION IN)
. Contact Person (if differen	nt from above): SEE SECTION IN
J. Dam Owner's or Contact TALKED IS (TH	Person's Phone Numbers: Home (843)7564579 CLIFF CHEST AUT Office () 806 DEEP BRANCH RD Office ()
K. Dam Owner's or Contact	LONGSISC Other ()
Address 1	
Address 2 (optional)	
City	State Zip Code
Section II (Dam Condi General Condition Assess a) Satisfactory	sment (Select one of the following): b) Fair c) Poor d) Unsatisfactory e) Not Rated
	- Calaban -
A. Dam Crest i. Vegetation (grass, trees ENDENT	sweeds)? GRASS TRIMMED, ODDEEL COL
ii. Animal activity observe	
iii. Any obvious alteration	
iv. Erosion noticed on cre	est?

	(Dam Inspection Checklist) continued
. Upstream	Slope
i. Vegetation	n (grass, trees weeds)? NEATLY TRIMMY
ii. Animal ad	ctivity observed? NONZ
iii. Any obvi	ous alterations or repairs made?
iv. Erosion c	bserved on upstream slope? NONE
	nt or cracks visible in slope?
	n (grass, trees weeds)? SOME NORD GROW TH 2 4" OIA
ii Animal au	SETATION THAS HAD BEEN LUT ctivity observed? NONE
III. Any obvi	ous alterations or repairs made?
iv. Erosion o	bserved on down stream slope? NONE
v. Settlemer	nt or cracks visible in slope? パワイン
vi. Toe drain	as flowing?
	page observed? If so, describe location, NONE
. Primary S	
). Primary Sj i. Any visible	
 D. Primary Spinor i. Any visible ii. Is there an 	pillway e deterioration of structure? NON E n obvious need to repair or replace trash rack?
D. Primary Sp i. Any visible ii. Is there an iii. Any notic	pillway NONE e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO
 D. Primary Spin Spin Spin Spin Spin Spin Spin Spin	pillway e deterioration of structure? NON E n obvious need to repair or replace trash rack?
D. Primary Sp i. Any visible ii. Is there an iii. Any notic So iv. Is valve o	pillway NONE e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO veable problems with of each problems Veable Veable veable problems with debris? Some OLO veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable
D. Primary Sp i. Any visible ii. Is there an iii. Any notic So iv. Is valve o E. Outlet Pip	pillway NONE e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO veable problems with of each problems Veable Veable veable problems with debris? Some OLO veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable veable Veable Veable Veable
 D. Primary Spin and S	pillway NONE e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO CREEN OF EASTERN INCET or gate present? De
D. Primary Si i. Any visible ii. Is there an iii. Any notic So iv. Is valve c E. Outlet Pip i. Any water ii. Describe	pillway NONE e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO veable problems with debris? SOME OLO clee OF EAST EEN INLET or gate present? NO
 D. Primary Signal i. Any visible ii. Is there and iii. Any notic iv. Is valve of iv. Is valve of E. Outlet Pip i. Any water ii. Describe iii. Visible com 	pillway AON E an obvious need to repair or replace trash rack? NO weable problems with debris? SOME NO cleend of EAST EEN NILET or gate present? NO oe visibly flowing or leaking outside of the discharge pipe? NO ondition of outlet channel: CLEAN
 D. Primary Signal Any visible ii. Any visible iii. Is there and iii. Any notic iv. Is valve of iv. Is valve of E. Outlet Pip i. Any water ii. Describe iii. Visible co F. Auxiliary (pillway NONE e deterioration of structure? NO n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO cleed of easing outside of the discharge pipe? NO or gate present? NO any deflection or damage observed to the pipe: NO
 D. Primary Signal i. Any visible ii. Is there and iii. Is there and iii. Any notice iv. Is valve of iv. Is valve of E. Outlet Pipe i. Any water ii. Describe iii. Visible control F. Auxiliary (i. Noticeable 	pillway e deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO VECEEN OF EAST EEN INICET or gate present? De visibly flowing or leaking outside of the discharge pipe? NO any deflection or damage observed to the pipe: NO Emergency) Spillway
 D. Primary Signal Any visible ii. Any visible iii. Is there and iii. Any notice iv. Is valve of E. Outlet Pipe i. Any water ii. Describe iii. Visible control F. Auxiliary (i. Noticeable ii. Animal action 	pillway Alon E an obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO VEGOTATON OM clee OF EAST EAN INLET OF
 D. Primary Signal i. Any visible ii. Is there and the iii. Is there and the iii. Any notice iv. Is valve of the iii. Any water ii. Describes iii. Visible constrained iii. Visible constrained iii. Noticeable iii. Animal acconstrained iii. Any notice OF N 	pillway a deterioration of structure? NONE n obvious need to repair or replace trash rack? NO reable problems with debris? SOME OLO VEGOTATON ON cleen of EASTEEN INLET OF CLEEN OF EASTEEN INLET or gate present? O INLET OF

	ergency) Spillway contin any observed exposure of		NA
vi. If applicable,	any visible leakage below	concrete spillway?	N/A
	Hazard Class Issues changes immediately do んの ハモ	wnstream of the dam th	nat affects the hazard classification?
I. Emergency Ad	tion Plan (EAP) tion Plan provided by own	ner? N/A	
ii. Does EAP co	ntains emergency alert no	tification plan? If so, wh	hen was it last updated?
iii. Does EAP c	ntain specific actions to ta	ake if the dam has failed	d or is near failure?
Section IV (C	onclusions)		
General comm	ents and recommendation	ons:	
THE	WINER, THEL	MA CHESTNUT	IS NON DECEASED.
WHEN	NOTIFYING OK	WED DE W	SPECTICUL COLLER
PAZ -	756-4579 (#	LISTED FOR B	, IS NON PECEASED. SPECTION, COLLED DINNER) AND TAUEZO
			DT, AE STATED PROPERTY
			HIM I NOULD MAIL
CHAR			TO HIM AT ;
	BOO DEED B	PANCH RD, 1	LONGS, 29568
information contain for repair actions to ce for conditions of d for services provi- ineering profession lth and Environmen- ress or implied. Pre-	educe their danger to human situations present at individu ed by registered professiona Is to find an appropriate rem tal Control (the Department) minary inspections consist or	ion report is intended as a life or property only. It is n ual dams. It is not a substit al engineers. If your dam is nedy. Preliminary inspection are provided "AS IS" and nly of a visual but technical	In aid to identify those dams that require mainten not intended as professional engineering or con- tute for a detailed inspection, nor does it replace s experiencing an unusual situation consult with ons conducted by South Carolina Department of "as available", without warranties of any kind, e I examination of the dam and its appurtenant wor he inspection. Common law holds that the storage

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

 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)

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.

DHEC 2604 (Rev. 11/2011)



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

CERTIFIED MAIL

January 28, 2011

The Preserve @ Green Lakes, LLC Attn: Tony Chestnut PO Drawer 50938 Myrtle Beach, SC 29579

RE: Inspection of Dam No. 26-3632, Chestnut Dam, Horry County

Dear Mr. Chestnut:

On November 1, 2010, Larry Ragsdale, Ted Ambrose, and I conducted a routine inspection of the Chestnut Dam. We regret that you were not able to attend.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears to be in <u>satisfactory condition</u>, however, needs some maintenance. We encourage you to implement a routine maintenance program for the dam. This should include repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes, and keeping the spillway system free from obstructions and in good operating condition. In addition, please perform continuous periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-831 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: BOW Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov



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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: November 1, 2010 26-D3632/Horry Larry Ragsdale, Ted Ambrose, & Scott Roberts None None

List of noted deficiencies or items requiring correction/checking:

1. Vegetation should be removed from around the primary and secondary spillways to prevent obstruction.

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

Item #1 above noted in the previous inspection report dated December 11, 2007.

Was the Emergency Action Plan Updated? Yes

Signed

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

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S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3632	COUNTY: Horry
As X Owner Manager Op of the above reference dam, the person(s) named be operation of the above dam and reservoir and are Surveillance Plan and the following Emergency Notific	e responsible for implementing the following

SURVEILLANCE 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, <u>Region 6, Myrtle</u> <u>Beach EQC Office: (843) 238-4378</u> 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: (843) 365-5001
- 2. Local Highway Maintenance Engineer: (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) Burroughs and Chapin Co. (2) Reynolds Watson (3) City of Myrtle Beach Public Works

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

Tony Chestnut	10-1-10	(843) 236-0012
Name	Date	Telephone

DHEC 2606(05/01)



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

March 20, 2008

The Preserve @ Green Lakes, LLC Attn: Tony Chestnut PO Drawer 50938 Myrtle Beach, SC 29579

RE: Inspection of Dam No. 26-3632, Chestnut Dam, Horry County

Dear Mr. Chestnut:

On December 11, 2007, Terry Boyd and I conducted a routine inspection of the Chestnut Dam. We would like to thank you for meeting with us.

Enclosed is a copy of our inspection report on the dam. Overall, the dam appears stable but needs some maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems that may affect the safety of the dam.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-831 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov



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

Inspection Report

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 11, 2007 26-D3632/Horry Scott Roberts and Terry Boyd Tony Chestnut, Owner None

List of noted deficiencies or items requiring correction/checking:

- 1. Vegetation should be removed from around the primary spillway to prevent obstruction.
- 2. Any growth of trees less than 6" diameter and brush on both the upstream and downstream slopes should be cut, removed and replaced with a good cover of grass.

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

1. The above two items #1 & #2 as noted in the previous inspection report dated October 29, 2004.

Was the Emergency Action Plan Updated? Yes

Signed 4

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6 Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

<u>Chestn</u>	ut Dam No. 26-D3632	COUNTY: Horry	
As	└ x Owner	Manager Operator (Please check one)	
		the person(s) named below are responsible for safe maintenance ar	
operati	on of the above dam	n and reservoir and are responsible for implementing the followir	١g

Surveillance Plan and the following Emergency Notification Plan:

SURVEILLANCE 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, Region 6, Myrtle Beach EQC Office: (843) 238-4378 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: (843) 365-5001
- Local Highway Maintenance Engineer: (843) 365-2130 2.
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Management: (843) 915-5150 Horry County Sheriff: (843) 915-5450
- S.C. Department of Health and Environmental Control, Columbia, S.C. 4. Tel. Emergency Response: 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) Burroughs and Chapin Co. (2) Reynolds Watson (3) City of Myrtle Beach Public Works

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

Tony Chestnut	12-11-07	(843) 236-0012
Name	Date	Telephone

DHEC 2606(05/01)

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

		Date
The ownership of Dam D		
	(Name of Dam) County has changed. The new owner(s)	
Owner 1*		
Address		-
City, State, Zip		-
Telephone Num	ber	
(if applicable)		
City, State, Zip		
Telephone Numi	ber	
(if applicable)	er'	
City, State, Zip		
Telephone Numb	oer	
	ion, give name of principal contact person:	
	(Previous Owner's	s Signature)
	Previous Owr	ner's Name
ail Above Notification To:	Previous Own S.C. Department of Health and Environmental (
	Dams and Reservoirs Safety 2600 Bull Street	

Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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

November 30, 2007

The Preserve @ Green Lakes, LLC Attn: Tony Chestnut PO Drawer 50938 Myrtle Beach, SC 29579

RE: State Dam No. 26-D3632 located approximately 1200 ft. upstream from State Secondary Road S-26-831 on a tributary of Buck Island Swamp in North Myrtle Beach, SC in Horry County. This dam was formerly owned by Thelma Inman Chestnut.

Dear Mr. Chestnut:

With reorganization, the SC Department of Health and Environmental Control became responsible for the Dam Safety Program. Your dam is due its routine inspection under provisions of the SC Dams and Reservoirs Safety Act.

Please be hereby informed that the inspection has been tentatively scheduled Tuesday, December 11, 2007, at 9:30 a.m. We request that you have someone available to accompany us on the inspection and to update the names and telephone numbers on the Surveillance and Emergency Notification Plan (SENP) for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the SENP. Please take time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC Office

Enclosure

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov

Region 6

NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

12/5/07
Date
The ownership of Dam D_3632, Chestout 1 200 in
County has changed. The new owner(s) are:
ni i i i i i i i i i i i i i i i i i i
Owner 1° Torry Chestnut The Preserve @ Greanharke
Address ZET PO DRAWLE 50938
City, State, Zip Myrtle Beach, SC 295279
City, State, ZipYrtle Bunch, SC 29526
Telephone Number <u>843-222-9320</u>
Owner 2*
(if applicable)
Address
Other Charles The
City, State, Zip
Telephone Number
Telephone Number
Additional Owner
(if applicable)
Address
City, State, Zip
Telephone Number
[*] If owner is a corporation, give name of principal contact person:
E Finalpar contact person.

IS n Previous Owner Name 5 Previous Owners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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



To:	Tony C	Chestnut	From:	Scott Roberts	
Fax:	(843) 2	234-0019	Phone		
Phone:			Date:	Wednesday, Decembe	er 05, 2007
Re:	Chestn	ut Dam	Pages:	2 (including cover pag	ge)
	Owner	ship Change			
	Jrgent	For Review	☐ As Requested	Please Comment	🗆 FYI
				•	

Comments:

Tony:

Per our conversation, attached is a Dam Ownership Change Form. Please have Mr. Cliff Chestnut sign and return to my address below. Call me @ (843) 238-4378 if you have any questions.

A. Scott Roberts, PE Environmental Engineer SCDHEC Region 6, Myrtle Beach EQC Office

NOTIFICATION OF OWNERSHIP CHANGE	
S.C. REGULATED DAM	
12(5)07	
Date	
The ownership of Dam D <u>363</u> , <u>Chestout</u> in (Name of Dam)	·
Horry County has changed. The new owner(s) are:	
Owner 1*	
Owner 1 [*]	
Address	
City, State, Zip	
Telephone Number	
Owner 2*	
(if applicable) Address	
City, State, Zip	
Telephone Number	
Additional Owner	
(if applicable) Address	
Address	
City, State, Zip	
Telephone Number	
If owner is a corporation, give name of principal contact person:	
<u> </u>	
(Previous Owner's Signature)	
CLOFE V. Chestout	
Previous Owner's Name	
DUDI REPITAnch 1	5

Mail Above Notification To:

Previous Owners Address S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

il.

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

TRANSMISSION VERIFICATION REPORT

33

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NAME FAX	:	12/05/2007 11:26 SCDHEC EQC REGION 8432384518	6
TEL	:	8432384378	
SER.#	:	BROG5J307819	

 DATE,TIME
 12/05
 11:25

 FAX NO./NAME
 2340019

 DURATION
 00:00:17

 PAGE(S)
 02

 RESULT
 OK

 MODE
 STANDARD

 ECM
 ECM

BOARD: Slizabelh M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD Carl L. Brazel

Louisiana W. Wright L. Michael Blackmon

Coleman L. Buckhouse, MD

South Carolina Department of Health and Environmental Control C. Earl Hunler, Commissioner Promoting and protecting the health of the public and the environment

February 2, 2005

Cliff V. Chestnut, manager 800 Deep Branch Drive Longs, S.C. 29568

RE: Reinspection of Dam No. 26-3632, Chestnut Dam, Horry County

Dear Mr. Chestnut:

On October 29, 2004, we conducted a routine reinspection of the Chestnut Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but needs some maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-831 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

eng W. Boyd

Terry W. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Steven M. Bradley, P.E., Bureau of Water Dams and Reservoirs Safety BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD

South Carolina Department of Health and Environmental Control C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment

Inspection Report

Date: October 29, 2004

Dam No./ County: 26-D3632/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present: Cli

Cliff Chestnut, Manager

Terry Boyd and Matthew Maxwell

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Vegetation should be removed from around the primary spillway to prevent obstruction.
- 2. Any growth of trees less than 6" diameter and brush on both the upstream and downstream slopes should be cut, removed and replaced with a good cover of grass.

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

1. The above two items #1 & 2 as noted in the previous May 24, 2001 inspection report.

Was the Emergency Action Plan Updated ? Yes

my W. Bayd Signed

Terry W/Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3632	COUNTY:	Horry
As ^L Owner ^L X ^J Ma	anager 🖵 Operator (Pleas	e check one)
of the above reference dam, the pers	son(s) named below are respo	onsible for safe maintenance and
operation of the above dam and re	eservoir and are responsible	for implementing the following
Surveillance Plan and the following Err		

SURVEILLANCE 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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001
- 2. Local Highway Maintenance Engineer (843) 365-2130
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Prep. Agency (843) 248-1225 Horry County Sheriff (843) 915-5450
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) S.C. DOT (2) Burroughs and Chapin Co. (3) Reynolds Watson

(4) City of Myrtle Beach Public Works

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

<u>Cliff V. Chestnut</u>	10-29-04	Home: (843) 756-4579	
Name	Date	Telephone	

DHEC 2606(05/01)

BOARD: Élizabelh M.ªHagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



PROMOTE PROTECT PROSPER South Carolina Department of Health and Environmental Control C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment

October 26, 2004

Cliff V. Chestnut 800 Deep Branch Drive Longs, SC 29568

Re: State Dam No. 26-D3632 located approximately 1200 ft. upstream from State Secondary Road S-26-831 on a tributary of Buck Island Swamp in North Myrtle Beach, SC in Horry County. This dam was formerly owned by Thelma Inman Chestnut.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on October 21, 2004. I, the District Engineer along with Matthew Maxwell from our office, have tentatively scheduled Friday, October 29, 2004, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

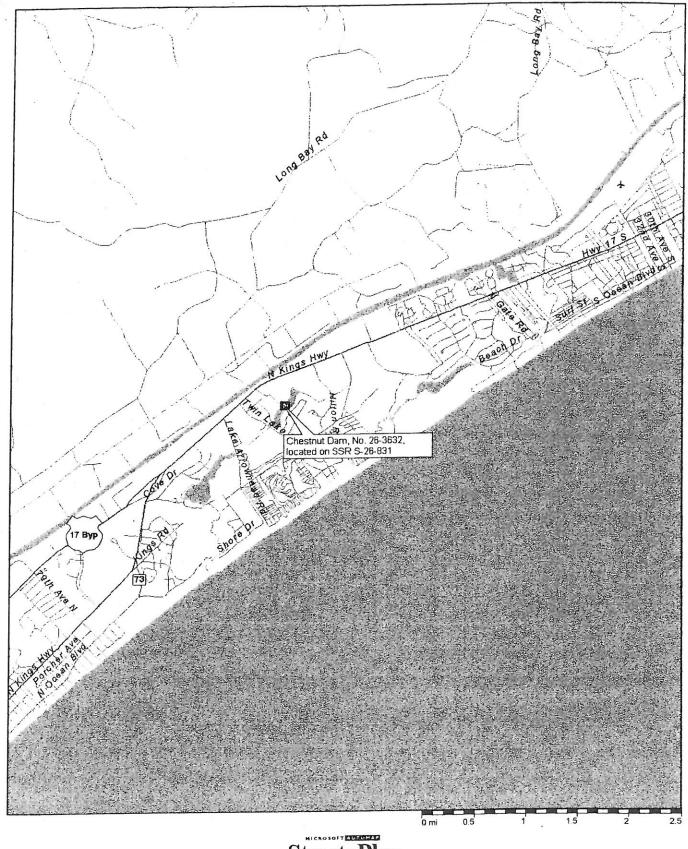
un W. Boyd

District Engineer Waccamaw EQC District

BOARD Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD



Streets Plus

Chestnut Dam; No. 26-3632

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Page 1



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

June 19, 2001

Cliff V. Chestnut, manager 800 Deep Branch Drive Longs, S.C. 29568

RE: Reinspection of Dam No. 26-3632, Chestnut Dam, Horry County

Dear Mr. Chestnut:

On May 24, 2001, we conducted a routine reinspection of the Chestnut Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but needs some maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-831 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terry/W. Boyd District Engineer Waccamaw EQC District

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: May 24, 2001

Dam No./ County: 26-D3632/Horry

Representatives of SCDHEC Present:

Representatives of Owner Present:

Shauna Fowler and Terry Boyd

Cliff Chestnut

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Vegetation should be removed from around the primary spillway to prevent obstruction.
- 2. The cut brush should be removed from the downstream slope.
- 3. Any growth of trees less than 6" diameter and brush on both the upstream and downstream slopes should be cut and removed.

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

1. The above three items #1, 2 & 3 as noted in the previous April 7, 1998 inspection report.

Was the Emergency Action Plan Updated ? Yes

ann Signed

Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3632	COUNTY: Horry
	perator (Please check one)
of the above reference dam, the person(s) named I	
operation of the above dam and reservoir and a	
Surveillance Plan and the following Emergency Notif	ication Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 448-4260
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) S.C. DOT (2) Burroughs and Chapin Co. (3) Reynolds Watson

(4) City of Myrtle Beach Public Works

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

Cliff V. Chestnut	5-24-01	Home: (843) 756-4579
Name	Date	Telephone

DHEC 2606(05/01)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestnut Dam No. 26-D3632	COUNTY: Horry
	perator (Please check one)
of the above reference dam, the person(s) named	
operation of the above dam and reservoir and a	
Surveillance Plan and the following Emergency Notif	fication Plan:

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 448-4260
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) S.C. DOT (2) Burroughs and Chapin Co. (3) Reynolds Watson

(4) City of Myrtle Beach Public Works

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

756-49 Telephone -24-0. Date

DHEC 2606(05/01)



Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Serving Georgetown, Horry, and Williamsburg Counties

May 21, 2001

Cliff V. Chestnut 800 Deep Branch Drive Longs, SC 29568

Re: State Dam No. 26-D3632 located approximately 1200 ft. upstream from State Secondary Road S-26-831 on a tributary of Buck Island Swamp in North Myrtle Beach, SC in Horry County. This dam was formerly owned by Thelma Inman Chestnut.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to our telephone conversation on May 16, 2001. I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday, May 24, 2001, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chestn	<u>ut Dam No. 26-D3632</u>	17 	COUNT	ΓY:	Horry		
	Owner						
	above reference dam,						
operati	on of the above dam	and reservoir	and are respo	nsible	for implemen	ting the	following
Surveill	ance Plan and the follo	wing Emergenc	y Notification P	lan:			

SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 (843) 448-4260
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergncy Prep. Agency (843) 248-1225 Horry County Sheriff (843) 444-1520
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C.
 - Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

(1) S.C. DOT (2) Burroughs and Chapin Co. (3) Reynolds Watson

(4) City of Myrtle Beach Public Works

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

Cliff V. Chestnut

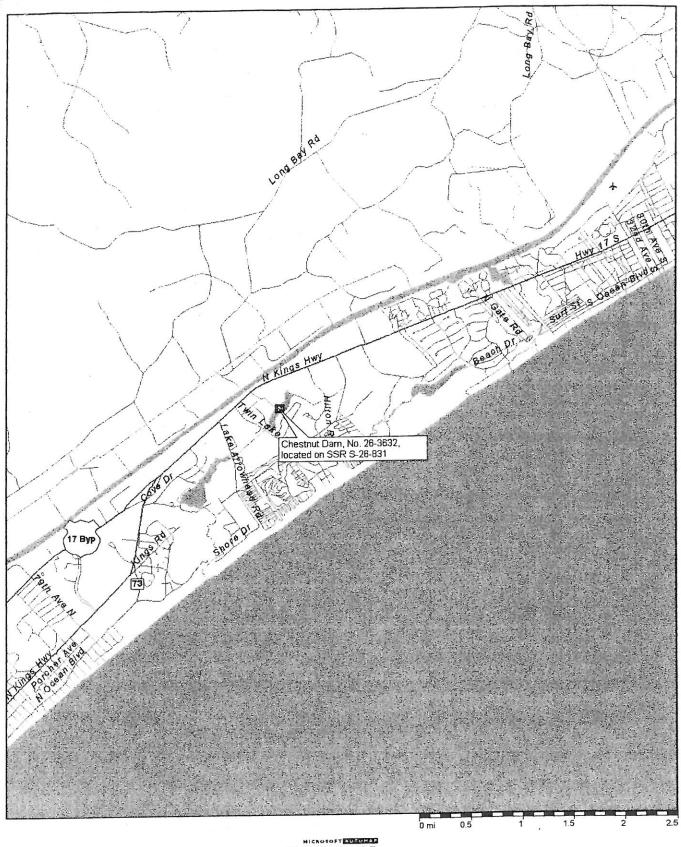
Home: (843) 756-4579

Name

Date

Telephone

DHEC 2606(05/01)

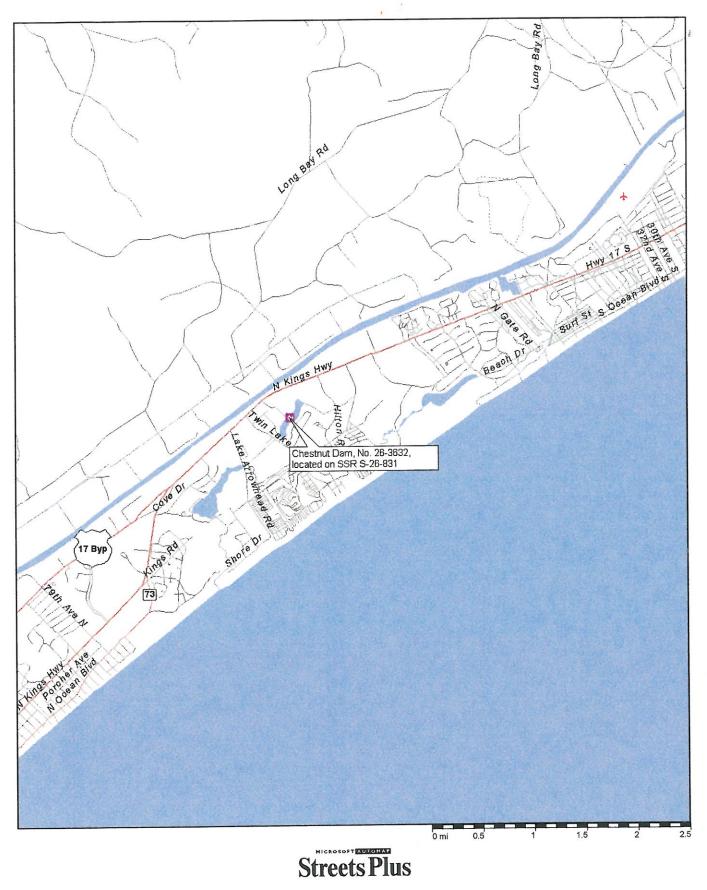


Streets Plus

Chestnut Dam; No. 26-3632

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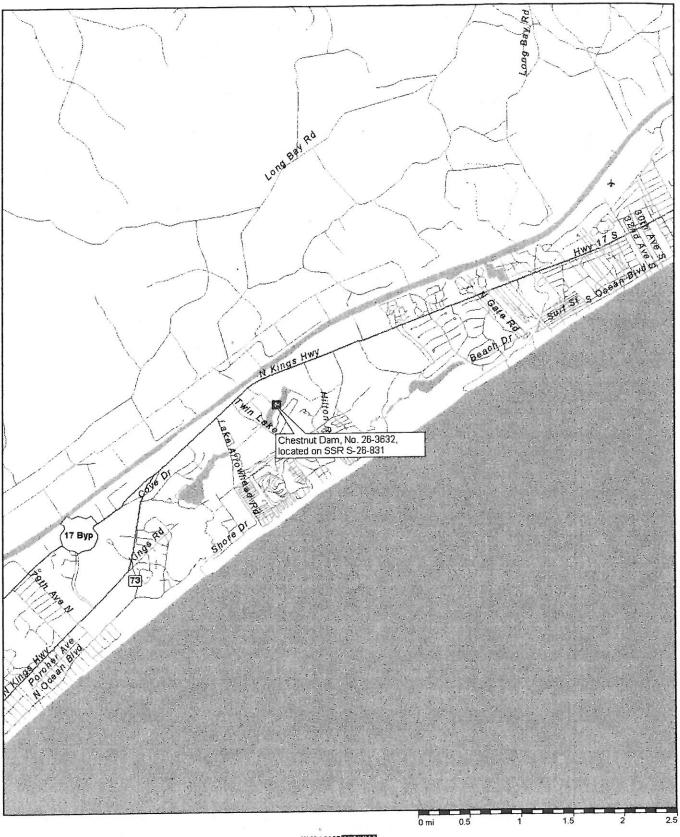
Page 1



Chestnut Dam; No. 26-3632 Inspected 04-98; Due 04-2001

Page 1

1



Streets Plus

Chestnut Dam; No. 26-3632 Inspected 04-98; Due 04-2001

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Page 1



South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

May 20, 1998

Cliff V. Chestnut, manager P.O. Box 301 Longs, S.C. 29568

RE: Reinspection of Dam No. 26-3632, Chestnut Dam, Horry County

Dear Mr. Chestnut:

On April 7, 1998, we conducted a routine reinspection of the Chestnut Dam. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dam. Overall, the dam appears stable but needs some maintenance. We encourage you to continue a routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dam and notify this office of any significant changes or problems which may affect the safety of the dam.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dam experience difficulty, State Secondary Road S-26-831 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dam be transferred.

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

Sincerely,

Terry /W. Boyd Waccamaw EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division



and Environmental Control

Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

Serving

Georgetown, Horry, And Williamsburg Counties

Inspection Report

Date: April 7, 1998

Dam No./ County: 26-D3632/Horry

Representatives of SCDHEC Present:

Fred Earnhardt and Terry Boyd

Representatives of Owner Present: Cliff Chestnut

Others Present:

None

List of noted deficiencies or items requiring correction/checking:

- 1. Vegetation should be removed from around the primary spillway to prevent obstruction.
- 2. The cut brush should be removed from the downstream slope.
- 3. Any growth of trees less than 6" diameter and brush on both the upstream and downstream slopes should be cut and removed.

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

1. The previous 11-9-94 inspection reported that the dam was in good condition with no significant problems observed and that the items addressed in the last letter had been corrected.

Was the Emergency Action Plan Updated ? Yes

onn W. Signed

Terry W. Bøyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Chest	nut Dam No. 26-D36	32	COUNTY: Horry
As	V Owner	Manager Operator	(Please check one)
of the	above reference dam,	, the person(s) named below are re	sponsible for safe maintenance and operation
of the	above dam and rese	rvoir and are responsible for imple	menting the following Surveillance Plan and

SURVEILLANCE 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, <u>Terry Boyd</u> (843)-448-1902 will be notified if any of the above symptoms are found.

EMERGENCY NOTIFICATION PLAN

the following Emergency Notification Plan:

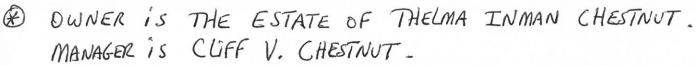
In the event a major flood or hurricane is forecast, the dam will be monitored, and if the dam appears to be in danger from overtopping or if failure appears imminent because of other problems, the following state and local officials will be notified and the dam will be kept under constant surveillance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

- 1. South Carolina Highway Patrol (803) 661-4700
- 2. Local Highway Maintenance Engineer (843) 365-2130
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Preparedness Agency (843) 248-1225 Horry County Police (843) 248-6241
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: 1-888-481-0125 (toll free)

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 S.C. Dams and Reservoirs Safety Act Regulations.)

BURROUGHSZ CHAPIN CO. (3) REYNOLDS WATSON City of MyRTLE BEACH PUBLIC WORKS Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan: 98 756-4 4-7 N/alize Date

DHEC 2606(07/97)



NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

1

		Date
The ownership of Dam D,		
County has change	(Name of Dam)	
Owner 1*		-
Address		
City, State, Zip	-	
Telephone Number		
Owner 2 [*]		
City, State, Zip		
Telephone Number		
Additional Owner [*] (if applicable) Address		
City, State, Zip		
Telephone Number If owner is a corporation, give name of prir	ncipal contact person:	
	(Previous Owner'	s Signature)
	Previous Ow	ner's Name
	Previous Owr	ners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390

Serving Georgetown, Horry, and Williamsburg Counties

March 23, 1998

Cliff V. Chestnut, owner P.O. Box 301 Longs, S.C. 29568

Re: State Dam No. 26-D3632, located approximately 1200 feet upstream from State Secondary Road S-26-831 n a tributary of Buck Island Swamp, in North Myrtle Beach, S. C., in Horry County. This dam formerly owned by Thelma Inman Chestnut.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Tuesday, April 7, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 9:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our April 7th inspection.

Sincerely,

antent

Fred K. Earnhardt Section Manager Waccamw EQC



Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman Robert J. Stripling, Jr., Vice Chairman Sandra J. Molander, Secretary

John H. Burriss William M. Hull, Jr., MD Roger Leaks, Jr. Burnet R. Maybank, ill

Promoting Health, Protecting the Environment

November 23, 1994

Thelma Inman Chestnut 121 Green Lake Drive Myrtle Beach, S.C. 29577

Re: State Dam No. 26-D3632, located approximately 1200 feet upstream from State Secondary Road S-26-831 on a tributary of Buck Island Swamp, in North Myrtle Beach, S.C., in Horry County.

Dear Ms. Chestnut:

I met with your son at the above referenced dam on November 9, 1994. I appreciate your cooperation in working with us to ensure the safety of your dam.

A visual preliminary inspection was made and the findings of this inspection are as follow.

- The dam is considered to be a Class II structure (significant downstream hazard potential) due to probable damage to downstream property in the event of failure.
- 2. The dam is in good condition with no significant problems observed and the items addressed in my last letter have been corrected.

I encourage you to continue the routine maintenance program for the dam. This should include removing brush and small trees from the dam, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please include periodic inspections of the dam and inform this office of any significant changes or problems which may affect the safety of the dams.

A recent change to the S. C. Dams and Reservoirs Safety Act requires the owner to notify us in writing within 30 days after title to the dam has been legally transferred to someone else.

2 recycled paper

If you have any questions, please call me at 734-9117.

Sincerely, Rick Muzum, P.E. Regional Engineer Dams and Reservoirs Safety Program

cc: Dr. George Ballentine, SCDHEC

MOTE PROTECT PROSPER	Preliminary Inspection Report for South Carolina Regulated Dams and Impoundment Structures Regulations R.72-1 through R.72-9
Section I (Owner's Info	ormation)
A. Dam Number: D3633	& Hazard Class Z B. Name of Dam: LOW RE CHESTNUTLA
C. Inspection Date (12/09/2	0 13) & Time: 3.3 D. Date of Last Inspection: (_ / _ /)
E. Location-County/City:	F. EQC Regional Office: PEE PEE-MB
G. Inspector's Name:	L. RAGSDALE
	ELMA CHESTNUT (SEE SECTION IN OF D3632)
I. Contact Person (if different	
J. Dam Owner's or Contact P	Person's Phone Numbers: Home ()
	Office ()
	Other ()
K. Dam Owner's or Contact F	
Address 2 (optional)	
City	, State Zip Code
	b) Fair C Poor C d) Unsatisfactory e) Not Rated
A. Dam Crest i. Vegetation (grass, trees	weeds)?
ii. Animal activity observed	1?
iii. Any obvious alteration o	r repairs made?
iv. Erosion noticed on cres	
	nisalignment or cracks?

Section III (Dam Inspection Checklist) continued

	getation (grass, trees weeds)?
ii. An	imal activity observed?
iii. Ar	ny obvious alterations or repairs made?
iv. Er	osion observed on upstream slope?
v. Set	tlement or cracks visible in slope?
. Dov	n Stream Slope
i. Ve	getation (grass, trees weeds)?
ii. An	imal activity observed?
iii. Ar	ny obvious alterations or repairs made?
iv. Er	osion observed on down stream slope?
v. Se	tlement or cracks visible in slope?
vi. To	e drains flowing?
vii. Ar flow r	ate, and any turbidity or color within the flow:
. Prin i. Any	visible deterioration of structure?
ii. Is t	here an obvious need to repair or replace trash rack?
iii. An	y noticeable problems with debris?
iv. Is	valve or gate present?
- Out	let Pipe
i. Any	water visibly flowing or leaking outside of the discharge pipe?
ii. De	scribe any deflection or damage observed to the pipe:
iii, Vis	sible condition of outlet channel:
	iliary (Emergency) Spillway ceable obstructions to flow?
i. Noti	mal activity observed?
i. Noti ii. Ani	y noticeable deterioration in the approach or discharge channel?

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:

Preliminary Dam Inspection Disclaimer:

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

DHEC 2604 (Rev 11/2011)

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

INSTRUCTIONS

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

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

Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

 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)

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.

DHEC 2604 (Rev. 11/2011)

Section I (Owner's Information) A. Dam Number: $D [3] 0] * 4 4006$ A. Dam Number: $D [3] 0] * 4 42ard Class \leq 2 B. Name of Dam: \leq LEM explicit Lockle (2-17-2010) C. Inspection Date (12J, 1/20, 13) & Time: 9.202M D. Date of Last Inspection: U = 1/2 - 17 - 2010 E. Location-County/City: G'TOLM + G'TOLM F. EOC Regional Office: D \in D \in M \in M \in M \in M \in M \in M \in M \in M \in $	D H E C PROMOTE PROTECT PROSPER PROMOTE PROTECT PROSPER PROMOTE PROTECT PROSPER PROMOTE PROTECT PROSPER PROMOTE PROTECT PROSPER
C. Inspection Date (12/11/20 13) & Time:	Section I (Owner's Information)
C. Inspection Date (12/11/20 13) & Time:	A. Dam Number: D 3101 & Hazard Class CZ R. Name of Dam (1 EMPONS LOCK IP)
E. Location-County/City: <u>CFTOUR</u> J. <u>CFTOUR</u> F. EQC Regional Office: <u>PEE_MB</u> G. Inspector's Name: <u>LAPEN RAGESOACE</u> H. Owner's Name: <u>MILTON CLEMORES</u> I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: Home (<u>B43</u>) <u>SZ7</u> <u>433</u> G. Office (<u>X</u>) <u>X</u> . <u>X</u> . K. Dam Owner's or Contact Person's mailing address: Address 1 <u>IS211</u> <u>BEDUAS FEPT</u> <u>RD</u> Address 2 (optional) City <u>GEOLGETOW</u> State <u>SL</u> Zip Code <u>Z9440</u> Section II (<u>Dam Condition</u>) General Condition Assessment (Select one of the following): a) Satisfactory <u>D</u> b) Fair <u>X</u> c) Poor d) Unsatisfactory e) Not Rated Section III (<u>Dam Inspection Checklist</u>) A. Dam Crest I. Vegetation (grass, trees weeds)? <u>GRASS TRIMMEP</u> , NO <u>TREES</u> II. Animal activity observed? <u>MONE</u> II. Animal activity observed? <u>MONE</u> V. Erosion noticed on crest? <u>MONE</u> V. Any visible settlement, misalignment or cracks? <u>MONE</u>	C. Inspection Date (12/11/20 12) & Time: 9:00000 Date (12-17-20/0
G. Inspector's Name: $LAPPA RAGEOALF$. H. Owner's Name: $M \mid LTarry CLEMDALS$ I. Contact Person (if different from above): J. Dam Owner's or Contact Person's Phone Numbers: Home (843) 527 433 G Office $(X) = X = X$ Other $(X) = X = X$ K. Dam Owner's or Contact Person's mailing address: Address 1 $IS2II$ $BRUNS FERF RD$ Address 2 (optional) City $GEOLGETOW$ State $SLEY RD$ Address 2 (optional) City $GEOLGETOW$ State $SLEY RD$ a) Satisfactory M b) Fair M c) Poor D d) Unsatisfactory D e) Not Rated D Section II (Dam Inspection Checklist) A. Dam Crest i. Animal activity observed? $ARRED RD TREES$ ii. Animal activity observed? $ARRED RD TREES$ ii. Any obvious alteration or repairs made? $ARRED$ v. Any visible settlement, misalignment or cracks? $NQJE$	
H. Owner's Name:	
I. Contact Person (if different from above):	
J. Dam Owner's or Contact Person's Phone Numbers: Home (843) $5\overline{c}\overline{f}$ 433 G Office (\angle) \angle K. Dam Owner's or Contact Person's mailing address: Address 1 15211 $Address 2$ (optional) City $GEOLGETOUL$ State $\underline{\leq}$ (\underline{c} zip Code 29440 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 TREMMED, HOT TREES ii. Animal activity observed? Monte iii. Any obvious alteration or repairs made? Monte v. Erosion noticed on crest? Monte v. Any visible settlement, misalignment or cracks?	
Matheway (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
K. Dam Owner's or Contact Person's mailing address: Address 1	J. Dam Owner's or Contact Person's Phone Numbers: Home (843) 527 4336
Address 1 $I \leq 2II$ $Blow A \leq F \in Blow A \leq F \in Blow A$ Address 2 (optional)	Office (人)
Address 1 ISZII BLOUAS FELLY R.D Address 2 (optional)	K. Dam Owner's or Contact Person's mailing address:
Address 2 (optional)	
CityGEOLGETOW, State S_C Zip Code 29.440 Section III (Dam Condition) General Condition Assessment (Select one of the following): a) Satisfactory	
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 TRIMMED, NO FREES ii. Animal activity observed? NON E iii. Any obvious alteration or repairs made? MON E iv. Erosion noticed on crest? MON E v. Any visible settlement, misalignment or cracks? MON E	
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	V Any visible cottlement min the
DHEC 2604 (Rev 11/2011)	DHEC 2604 (Rev 11/2011)

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Section III (Dam Inspection Checklist) continued

55	645E OF TOE	
п.	Animal activity observed?	NAME
iii.	Any obvious alterations or repairs ma	ade? Mariz
iv	Erosion observed on upstream slope	? NONE
V.	Settlement or cracks visible in slope?	NONE
. [Down Stream Slope	/
	Vegetation (grass, trees weeds)?	SOMETREES (SAME AS ABOVE
ii.	Animal activity observed?	WOILL
III.	. Any obvious alterations or repairs ma	ade? NON 2
V	Erosion observed on down stream slo	lope? hlow?
V.	Settlement or cracks visible in slope?	NONI
vi	Toe drains flowing?	0
	Primary Spillway Any visible deterioration of structure?	NO
ĨĨ.	Is there an obvious need to repair or r	
	Is there an obvious need to repair or r . Any noticeable problems with debris?	replace trash rack? N/A 3101 NO 440C
ΪΪ.		replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u>
iii.	. Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406
iii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 utside of the discharge pipe? <u>NO YES 3101</u> NO 4406
iii.	Any noticeable problems with debris?	replace trash rack? $N/A 3101$ NO 440C ? NO 0 3101 YES 4406 utside of the discharge pipe? NO YES 3101 NO 4406 bserved to the pipe:
iii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 utside of the discharge pipe? <u>NO YES 3101</u> NO 4406 bserved to the pipe: OLP filz 4406 RUSTN OITCET
iii.	Any noticeable problems with debris?	replace trash rack? $N/A 3101$ NO 440C ? NO 0 3101 YES 4406 utside of the discharge pipe? NO YES 3101 NO 4406 bserved to the pipe:
iii. iv	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 utside of the discharge pipe? <u>NO YES 3101</u> NO 4406 bserved to the pipe: OLP filz 4406 RUSTN OITCET
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iii. ii.	Any noticeable problems with debris?	replace trash rack? N/A 3101 NO 4406 NO O 3101 YES 4406 Utside of the discharge pipe? NO YES 3101 NO 4406 bserved to the pipe: OLD PIP2 4406 RUST NOITCET STOP
III. III. III.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> 0 3101 YES 4406 Utside of the discharge pipe? <u>NO YES 3101</u> NO 4406 bserved to the pipe: <u>OLD PIP2 4406</u> RUSTN OITCET STOP NO NO
iii. ii. ii.	Any noticeable problems with debris?	replace trash rack? <u>N/A 3101 NO 4406</u> ? <u>NO</u> O 3101 YES 4406 Utside of the discharge pipe? <u>NO YES 3101</u> NO 4406 bserved to the pipe: <u>OLD PIP2 4406 RUSTN OITCET</u> <u>SPEND</u> NO NO

vi. If applicable, any visible leakage below of	concrete spillwav?	NIA	
		NII	
. Downstream/Hazard Class Issues			
i. Any noticeable changes immediately dow MO	nstream of the dam tha	it affects the hazard class	sification?
~~~			
Emergency Action Plan (EAP)			
i. Emergency Action Plan provided by owne	er?		
ii. Does EAP contains emergency alert noti	fication plan? If so, whe	en was it last updated?	
iii. Does EAP contain specific actions to tak	o if the dam has failed	er in noor failure?	
III. Does EAP contain specific actions to tak	e if the dam has failed	or is near failure?	
Section IV (Conclusions)			
General comments and recommendation	ns:		
	ns:		

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

DHEC 2604 (Rev 11/2011)

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

### INSTRUCTIONS

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

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

### Section I (Owner's Information):

A) Dam Number; Enter the Dam's inventory number.

B) Name of Dam; Enter the common name of dam found within EFIS.

C) Inspection Month & Time; Enter the day, month, year, and time in which the inspections was performed.

D) Date of Last Inspection; Enter the day, month, and year, in which the last inspection was performed.

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

F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.

G) Inspector's Name: Enter the name of the person performing the inspection.

H) Owner's Name: Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.

I) Contact Person; Enter the name of the person that represents the dam owner during the inspection. This person should be authorized to remedy any deficiencies found by the inspector.

J) Dam Owner's or Contact Person's Phone Numbers; Enter the home, office, and other available numbers for the Dam owner or Contact person.

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

### Section II (Dam Condition):

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

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

DHEC 2604 (Rev. 11/2011)

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 patient deficiency.

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.

DHEC 2604 (Rev. 11/2011)



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

### **CERTIFIED MAIL**

February 8, 2011

Milton E. Clemons PO Box 96 Myrtle Beach, SC 29577

### RE: Inspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On December 17, 2010, I conducted a routine inspection of both your Upper and Lower Dams. I would like to thank you for meeting with me.

Enclosed is a copy of the inspection report on the dams. Overall, both dams appear to be in <u>fair</u> <u>condition</u>, however, need some maintenance and selected repairs as outlined in the inspection report. We encourage you to implement a routine maintenance program for the both dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. In addition, please perform continuous periodic inspections of the dams and notify this office of any significant changes or problems that may affect the safety of the dams.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dams experience difficulty, SC Highway 51 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

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

Sincerely,

A. Scott Roberts, PE Region Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: BOW Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties Myrtle Beach EQC Office • 927 Shine Avenue • Myrtle Beach, SC 29577 • Phone: (843) 238-4378 • Fax: (843) 238-4518 • www.scdhec.gov



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

# **Inspection Report**

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 17, 2010 Nos. 43-D4406/43-D3101/Williamsburg A. Scott Roberts Milton (Mickey) E. Clemons, Owner None

List of noted deficiencies or items requiring correction/checking:

### UPPER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed.

### LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 3. Riprap should be placed in the emergency spillway to prevent erosion.
- 4. Down stream slope at primary spillway should be re-graded and stabilized.

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

1. The above items #1 & #2 on both the Upper Dam and Lower Dam as previously noted in the inspection report dated December 18, 2007.

Was the Emergency Action Plan Updated? Yes

Signed

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/ Lower Dam No. D4406/ D3101 COUNTY: Williamsburg

L Manager Operator (Please check one)

As 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:

### SURVEILLANCE 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, <u>Region 6, Myrtle</u> <u>Beach EQC Office: (843)238-4378</u> 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: (843)365-5001(Conway); (843)546-7300(Georgetown)
- 2. Local Highway Maintenance Engineer: (843)354-7491 (Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Disaster Preparedness Agency: (843)354-9330 Williamsburg County Sheriff: (843)355-6381
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Milton E. Clemons	12/17/10	Office: (843)448-3031 Home: (843)527-4336
Name	Date	Telephone

DHEC 2606(06/01)

1

# NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

·	, Date	
The ownership of Dam D,		in
	(Name of Dam)	
County has changed.		
Owner 1*		
Address		
City, State, Zip		
Telephone Number		
Owner 2 [*] (if applicable)		
Address		
City, State, Zip		
Telephone Number		
Additional Owner [*] (if applicable)		
Address		
City, State, Zip		
Telephone Number		
[•] If owner is a corporation, give name of princ	ipal contact person:	
_		
	(Previous Owner's Signatu	re)
	Previous Owner's Nan	ne
	Previous Owners Addr alth and Environmental Control	ess

Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

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

March 20, 2008

Milton E. Clemons PO Box 96 Myrtle Beach, SC 29577

### RE: Inspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On December 18, 2007, Terry Boyd and I conducted a routine inspection of both your Upper and Lower Dams. We would like to thank you for meeting with us.

Enclosed is a copy of our inspection report on the dams. Overall, both dams appear stable but each requires maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a SC Registered Professional Engineer or the local Natural Resources Conservation Service for assistance with the determination on whether some of the noted deficiencies would involve major selected repairs, alterations, or possibly replacements to the dams. If this is the case, work plans will need to be submitted to the Agricultural & Dams Permitting Section of SCDHEC'S Bureau of Water for the appropriate permits.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems that may affect the safety of the dams.

We verified the telephone numbers on the Surveillance and Emergency Notification Plan (SENP) and a copy is enclosed for your use. Should the dams experience difficulty, SC Highway 51 downstream would need to be blocked on both sides. The agencies listed on the SENP can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the SC Dams and Reservoirs Safety Act require the owner to notify us within thirty (30) days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next inspection of your dams are scheduled.

Sincerely.

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

Enclosures

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

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

# **Inspection Report**

Date: Dam No./ County: Representatives of SCDHEC Present: Representatives of Owner Present: Others Present: December 18, 2007 Nos. 43-D4406/43-D3101/Williamsburg Scott Roberts and Terry Boyd Milton (Mickey) E. Clemons, Owner None

List of noted deficiencies or items requiring correction/checking:

### UPPER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps/roots are also removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

### LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Work to repair/replace the primary riser structure should be completed.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. The above items #1-4 on the Upper Dam and above items #1-5 on the Lower Dam as noted in the previous inspection report dated December 13, 2004.

Was the Emergency Action Plan Updated? Yes

Signed 4

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC

DHEC 2604 (6/94)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/ Lower Dam No. D4406/ D3101 COUNTY: Williamsburg

Manager Operator (Please check one)

As 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:

### SURVEILLANCE 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, <u>Region 6, Myrtle</u> <u>Beach EQC Office: (843)238-4378</u> 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: (843)365-5001(Conway); (843)546-7300(Georgetown)
- 2. Local Highway Maintenance Engineer: (843)354-7491 (Kingstree)
- 3. Local Police Department, Emergency Preparedness personnel, and other county or town officials. *Williamsburg County Disaster Preparedness Agency: (843)354-9330 Williamsburg County Sheriff: (843)355-6381*
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. *Emergency Response: 1-888-481-0125*

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Milton E. Clemons	12/18/07	Office: (843)448-3031 Home: (843)527-4336
Name	Date	Telephone

DHEC 2606(06/01)

# NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

			Date
e ownerst	ip of Dam D,,		1. n
	County has chan	(Name of Dam)	
	Owner 1*	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
	Address		-
	City, State, Zip		_
	Telephone Number	· · · · · · · · · · · · · · · · · · ·	_
	Owner 2° if applicable) Address		
	City, State, Zip		- '
-	elephone Number		<del>,</del> ,, , , ,
. (	Additional Owner f applicable) Address		
C	City, State, Zip	· · · · · · · · · · · · · · · · · · ·	
٦	elephone Number		
'lf own	er is a corporation, give name of p	rincipal contact person:	
		(Previous Owner'	s Signature)
		Previous Own	

Previous Owners Address

Mail Above Notification To:

S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)



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

November 30, 2007

Milton E. Clemons PO Box 96 Myrtle Beach, SC 29577

RE: State Dam No. 43-D3101 known as Clemons Lower Dam and State Dam No. 43-D4406 known as Clemons Upper Dam, located off Hwy 51 in Williamsburg County

Dear Mr. Clemons:

With reorganization, the SC Department of Health and Environmental Control became responsible for the Dam Safety Program. Your dam is due its routine inspection under provisions of the SC Dams and Reservoirs Safety Act.

Please be hereby informed that the inspection has been tentatively scheduled Wednesday, December 18, 2007, at 10:00 p.m. We request that you have someone available to accompany us on the inspection and to update the names and telephone numbers on the Surveillance and Emergency Notification Plan (SENP) for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the SENP. Please take time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Sincerely,

A. Scott Roberts, PE Environmental Engineer Region 6, Myrtle Beach EQC Office

Enclosure

cc: Steve Bradley, PE, BOW, Agricultural & Dams Permitting Section Project File

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon

Coleman L. Buckhouse, MD

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

February 4, 2005

Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On December 13, 2004, we conducted a routine reinspection of both your Upper and Lower dams. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely,

V. Boyd

Waccamwa EQC District Engineer

Enclosures cc: Steven M. Bradley, P.E. Bureau of Water Dams & Reservoirs Safety BOARD: Élizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright L. Michael Blackmon Coleman L. Buckhouse, MD

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

# **Inspection Report**

Date: December 13, 2004

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

Representatives of SCDHEC Present:Terry Boyd and Steve BradleyRepresentatives of Owner Present:Milton (Mickey) E. Clemons, OwnerOthers Present:None

List of noted deficiencies or items requiring correction/checking:

### **UPPER DAM**

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps/roots are also removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

### LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed to prevent restriction of flow of water during periods of high flow.
- 2. Work to repair/replace the primary riser structure should be completed.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. The above items #1-4 on the Upper Dam and above items #1-5 on the Lower Dam as noted in the previous June 13, 2001 inspection report.

Was the Emergency Action Plan Updated? Yes

lerry Signed

Terry W/Boyd, Waccamaw EQC District Engineer DHEC 2604 (6/94)

### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/ Lower Dam No. D4406/ D3101 COUNTY: Williamsburg

L Owner L Manager Operator (Please check one)

As 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:

### SURVEILLANCE 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, <u>SCDHEC</u> (843) 238-4378 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 (843) 365-5001(Conway); (843) 354-5665(Kingstree)
- 2. Local Highway Maintenance Engineer (843) 354-7491 (Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergency Preparedness Agency (843) 354-9330 Williamsburg County Sheriff (843) 355-6381
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Home: (843) 527-4336
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DHEC 2606(06/01)

# NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

				Date
The ownership of Dam D_4406	Clemons	Upper	Dam	i
Williamsburg County		(Name o	of Dam)	
Owner 1 [*]				
Address				
City, State, Zip				
Telephone Number				
Owner 2* (if applicable) Address				
City, State, Zip				
Telephone Number	940 			
Additional Owner [*] (if applicable) Address				
City, State, Zip				
Telephone Number *If owner is a corporation, give				
		-		
		(Previo	ous Owner's	s Signature)
	-	Pi	revious Owr	ner's Name
·	_			
		Pr	evious Owr	ners Address

Mail Above Notification To:

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S.C. Department of Health and Environmental Control Dams and Reservoirs Safety 2600 Bull Street Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



BOARD: Carl L. Brazell Louisiana W. Wright

L. Michael Blackmon

Coleman L. Buckhouse, MD

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

December 7, 2004

Milton E. Clemons PO Box 96 Myrtle Beach, SC 29577

Re: State Dam No. 43-D3101 known as Clemons Lower Dam and State Dam No. 43-D4406 known as Clemons Upper Dam, located off Hwy 51 in Williamsburg County.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

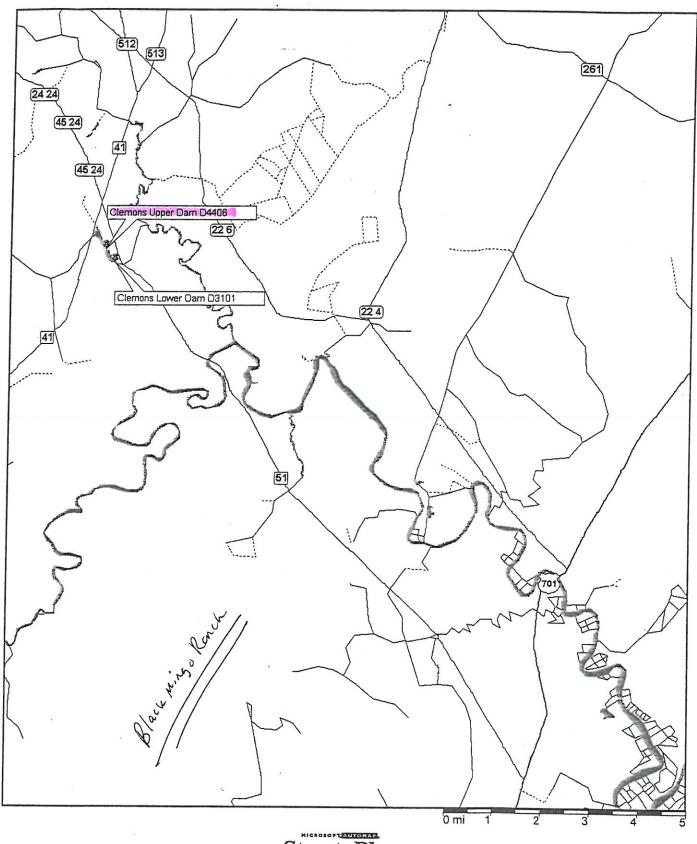
This letter is a follow-up to my telephone conversation with you on December 6, 2004. I, the District Engineer, along with Steve Bradley, P.E. with the Bureau of Water Dams and Reservoirs Safety Program have tentatively scheduled Monday, December 13, 2004, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:00 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

my W. Beyd

Terry W. Boyd District Engineer Waccamaw EQC District



# Streets Plus

Clemons Dams D4406-Upper Dam Clemons Dams D3101-Lower Dam

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UEC 1 6 2004

C. Earl Hunter, Commissioner WACCAMAW DISTRICT Bureau of Water Providing and protecting the health of the public and thENN/RONMENTAL QUALITY CONTROL Dams and Reservoirs Safety

December 15, 2004

Mr. Milton E. Clemons Post Office Box 96 Myrtle Beach, South Carolina 29577

Re: Dams D-3101 and D-4406

Dear Milton:

I assisted in inspecting the reference dams on Monday, December 13, 2004. You will be receiving a separate inspection letter from Terry Boyd, Waccamaw District Engineer.

Lately, a significant number of dams have experienced failure due to corrosion of the metal pipes through the dam. A high hazard, Class I dam in Columbia failed during flooding experienced from the remnants of Hurricane Charlie. Though no significant damage was done to the downstream floodplain, this situation would have been much worse if more rain had fallen from the storm. The owners of the dam are presently going through the permitting process to repair their dam.

Last year, a dam in Clarendon County failed. The owner had repaired his oxidized riser by placing a smaller pipe inside the riser and grouting the annular space. The pipe through this dam had completely rusted through, however, and a significant rainfall event and its resulting flooding caused the whole embankment around the pipe to erode and the dam to fail. Luckily, no damage was done to the downstream roadway. This dam has not been permitted for reconstruction at the present time.

It is my belief that your lower dam will soon fail. If this occurs, damages resulting from this failure may be your responsibility, which means that you may have to hire legal counsel in an attempt to minimize potential litigation costs. Also, any wildlife or recreational investment existing in the pond may be lost.

My experience has been that it is better to fix a dam before it fails. An engineer's list is enclosed to assist you in this endeavor. If you have any questions or comments, please contact this office.

Sincerely,

Steven M Brodler teven M. Bradley, P.E.

Cc: Mr. Terry Boyd, Waccamaw EQC

# ENGINEERS EXPERIENCED IN DAM DESIGN WORK

W. Burton Wells, P.E. Wells Engineering, Inc. 132 Rum Gully Lane Chapin, SC 29036 (803) 345-2812

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

Paul C. Rizzo Assoc., Inc. 1896 North Lake Drive Lexington, SC 29072 (803) 217-5212

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 Gamble Wilbur Smith and Associates 1301 Gervais Street Columbia, SC 29201 (803) 758-4500

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

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



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving Georgetown, Hor

Georgetown, Horry, And Williamsburg Counties

June 21, 2001

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Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On June 13, 2001, we conducted a routine reinspection of both your Upper and Lower dams. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely. my W. Logd

Terry W. Boyd Waccamwa EQC District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division Steve Bradley, Bureau of Water Dam & Reservoir Permitting



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (843) 448-1902 Fax (843) 946-9390 Serving

Georgetown, Horry, And Williamsburg Counties

# **Inspection Report**

Date: June 13, 2001

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

Representatives of SCDHEC Present:Shauna Fowler and Terry BoydRepresentatives of Owner Present:Milton(Mickey) E. ClemonsOthers Present:None

List of noted deficiencies or items requiring correction/checking:

### **UPPER DAM**

- 1. Trees in the emergency spillway should be cut and removed. During periods of high flow, they tend to restrict flow of water.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps and roots are removed also.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement. There appeared to be some repair work activity but still incomplete.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

### LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed.
- 2. Work to repair/replace the primary riser structure should be completed. There was evidence of some repair work activity but still incomplete. Verification was made that the formwork had been removed from inside the structure to prevent restriction of the water flow.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. The above items #1-4 on the Upper Dam and above items #1-5 on the Lower Dam as noted in the previous June 18, 1998 inspection report.

Was the Emergency Action Plan Updated ? Yes

Signed Terry W. Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/Lower Dam No.43- D4406/43-D3101 COUNTY: Williamsburg

As X-Owner Manager Operator (Please check one) 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

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, <u>SCDHEC</u> (843) 448-1902 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 1-800-442-1368

Surveillance Plan and the following Emergency Notification Plan:

- 2. Local Highway Maintenance Engineer (843) 354-7491(Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergncy Prep. Agency (843) 354-9330 Williamsburg County Sheriff (843) 354-9696
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan: Office: (843) 448-3031 <u>Milton E. Clemons 6-13-01 Home: (843) 527-4336</u> Name Date Telephone DHEC 2606(06/01)

### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/ Lower Dam No. D4406/ D3101 COUNTY: Williamsburg

Anager Operator (Please check one)

As 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:

#### SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 1-800-442-1368
- 2. Local Highway Maintenance Engineer (843) 354-7491 (Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Horry County Emergency Preparedness Agency (843) 354-9330
   Horry County Sheriff (843) 354-9696
- S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

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

Name

Date

6-13-01

<u>843-527-4336</u> Telephone

DHEC 2606(06/01)

* WILLIAMSBURG

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# NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

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- x x 1				Date	
The ownership of Dam D <u>440</u>	6	Clemons	Upper Dam		in
Williamsburg			(Name of Dam)	are:	
Address				-	
City, State, Zip				-	
Telephone Numbe	er	an an an an an an an an an an an an an a		-	
(if applicable)					
City, State, Zip _	an an an an an an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna				
Telephone Numbe	er				
(if applicable)					
City, State, Zip _					
Telephone Number *If owner is a corporation	r n, give name 	e of princ	pal contact person:		
			(Previous Owner'	s Signatu	
		_	Previous Ow		
		-			
Mail Above Notification To:	S.C. Departn Dams and Re 2600 Bull St	eservoirs Sa	Previous Own alth and Environmental afety		ess

Columbia, SC 29201

NOTE: Failure to notify the S.C. Department of Health and Environmental Control within 30 days of ownership transfer can result in a fine of \$100 - \$1000.

DHEC 2605(6/94)

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Waccamaw Environmental Quality Control District Shauna M. Fowler, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577

Serving Georgetown, Horry, and Williamsburg Counties

June 4, 2001

Milton E. Clemson PO Box 96 Myrtle Beach, SC 29577

Re: State Dam No. 43-D3101 known as Clemons Lower Dam and State Dam No. 43-D4406 known as Clemons Upper Dam, located off Hwy 51 in Williamsburg County.

Dear Mr. Chestnut:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC) became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

This letter is a follow-up to my telephone conversation with Sandra Clemons on June 3, 2001. I, along with Terry Boyd, district engineer, have tentatively scheduled Wednesday, June 13, 2001, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:30 am. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slopes of the dam so that we can do a complete inspection.

For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to verify the information and notify us of any changes. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document

Sincerely,

Shauna M. Fowler District Engineer

### DAMS AND RESERVOIRS SAFETY PROGRAM SURVEILLANCE PLAN AND EMERGENCY NOTIFICATION PLAN

Clemons Upper/Lower Dam No.43- D4406/43-D3101 COUNTY: Williamsburg

As X - Owner  $\Box$  Manager  $\Box$  Operator (Please check one) 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:

### SURVEILLANCE 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, <u>SCDHEC</u> (843) 448-1902 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 1-800-442-1368
- 2. Local Highway Maintenance Engineer (843) 354-7491(Kingstree)
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emergncy Prep. Agency (843) 354-9330 Williamsburg County Sheriff (843) 354-9696
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel. Emergency Response 1-888-481-0125

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 S.C. Dams and Reservoirs Safety Act Regulations.)

Person(s) responsible for implementing Surveillance Plan and Emergency Notification Plan: <u>Office: (843) 448-3031</u> <u>Milton E. Clemons</u> Name Date DHEC 2606(06/01)



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390

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Serving Georgetown, Horry, And Williamsburg

July 27, 1998

Mr. Milton E. Clemons P.O. Box 96 Myrtle Beach, S.C 29577

RE: Reinspection of Clemons Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg County

Dear Mr. Clemons:

On June 18, 1998, we conducted a routine reinspection of both your Upper and Lower dams. We would like to thank you for meeting with us for the reinspection.

We are enclosing a copy of our inspection report on the dams. Overall, both dams appear stable but each require maintenance and selected repairs/replacements as outlined in the inspection report. We recommend that you contact a S.C. Registered Professional Engineer or the local Natural Resources Conservation Service for assistance in the determination if some of the noted deficiencies would involve major selected repairs, alterations or possibly replacements to the dams. If this is the case, then before commencing work plans would need to first be submitted for the appropriate permits from the Dams and Reservoir Permitting Section of DHEC'S Bureau of Water.

We encourage you to continue a routine maintenance program for the two dams. This should include removing brush and small trees from the dams, repairing any areas of erosion that develop, maintaining a good cover of grass on the slopes and keeping the spillway system free from obstructions and in good operating condition. Please perform periodic inspections of the dams and notify this office of any significant changes or problems which may affect the safety of the dams.

We verified the telephone numbers on the Emergency Notification Plan and a copy is enclosed for your use. Should the dams experience difficulty, State Highway 51 downstream would need to be blocked on both sides. The agencies listed on the Plan can provide assistance in doing these things and you should call them if an emergency occurs.

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. The notification must include the name and address of the new owner. We are enclosing a blank form for your use in notifying us should control of your dams be transferred.

You will be notified when the next reinspection of your two dams is scheduled.

Sincerely, Lenny W. Boyd

Waccamaw District Engineer

Enclosures cc: Richard Yongue, Bureau of Water Compliance Assurance Division Steve Bradley, Bureau of Water Dam & Reservoir Permitting



Waccamaw Environmental Quality Control District Terry W. Boyd, District Engineer 1705 Oak Street Plaza, Suite 2 Myrtle Beach, S.C. 29577 (803) 448-1902 Fax (803) 946-9390 Serving

Steve Bradley, Fred Earnhardt & Terry Boyd

Georgetown, Horry, And Williamsburg Counties

# **Inspection Report**

Date: June 18, 1998

Dam No./ County: Upper/Lower Dam No. 43-D4406/43-D3101, Williamsburg Co.

**Representatives of SCDHEC Present:** 

Representatives of Owner Present: Milton E. Clemons

**Others Present:** 

None

List of noted deficiencies or items requiring correction/checking:

**UPPER DAM** 

- 1. Trees in the emergency spillway should be cut and removed. During periods of high flow, they tend to restrict flow of water.
- 2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. Large trees are too big to cut unless stumps and roots are removed also.
- 3. The metal riser structure is rusting and deteriorating and requires repair or replacement. There appeared to be some repair work activity but still incomplete.
- 4. The corrugated metal pipe through the dam from the primary spillway structure to the pipe outlet is rusting and deteriorating and needs to be replaced.

LOWER DAM

- 1. Trees in the emergency spillway should be cut and removed.
- 2. Work to repair/replace the primary riser structure should be completed. The formwork left inside will tend to restrict the flow of water.
- 3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.
- 4. Tree stumps on the downstream slope should be removed and replaced with fill dirt/grass cover to reduce the potential for leaks/washouts.
- 5. Section of the corrugated metal pipe outlet is rusting and deteriorating and requires repair/replacement.

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

1. Above noted items 1, 2 & 3 on the Upper Dam and above noted items 1, 2 & 3 on the Lower Dam as stated in the previous 5-12-95 inspection report of the Clemons Dams.

Was the Emergency Action Plan Updated ? Yes

Signed

Terry W./Boyd, Waccamaw EQC District Engineer

DHEC 2604 (6/94)

# NOTIFICATION OF OWNERSHIP CHANGE S.C. REGULATED DAM

*		Date
The ownership of Dam D_4406 Clemo	ons Upper Dam	in
Williamsburg County has chang	(Name of Dam)	
Owner 1*		_
Address		-
City, State, Zip		-
Telephone Number		-
Owner 2 [*] (if applicable) Address		- -
City, State, Zip		-
Telephone Number		-
Additional Owner [*] (if applicable) Address		
City, State, Zip		
Telephone Number [*] If owner is a corporation, give name of p	rincipal contact person:	
	(Previous Owner	s Signature)
	Previous Ow	ner's Name
Dams and Reservoi 2600 Bull Street		
Columbia, SC 292 NOTE: Failure to notify the S.C. Department of Health an ownership transfer can result in a fine of \$100 - \$	d Environmental Control wi	thin 30 days of

DHEC 2605(6/94)

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South Carolina Department of Health and Environmental Control Waccamaw Environmental Quality Control District Fred K. Earnhardt, Section Manager 1705 Oak Street Plaza, Suite 2 Myrtle Beach, South Carolina 29577 Telephone (803) 448-1902 Fax (803) 946-9390 Serving Georgetown, Horry, and Williamsburg Counties

June 8, 1998

Mr. Milton E. Clemons OceanAire Motel P.O. Box 96 Myrtle Beach, South Carolina 29577

Re: Reinspection of State Dam No. 43-D3101 know as Clemons Lower Dam and State Dam No.43-D4406 known as Clemons Upper Dam, Located off Hwy 51 in Georgetown-County.

Dear Mr.Clemons:

With reorganization, The South Carolina Department of Health and Environmental Control (SCDHEC), became responsible for the Dam Safety Program. Your dam is due its routine reinspection under provisions of the South Carolina Dams and Reservoirs Safety Act.

I, along with Terry Boyd, district engineer, have tentatively scheduled Thursday June 18, 1998, as the day we will be reinspecting your dam. We plan to arrive at the dam at approximately 10:00 a.m. We request that you have someone available to accompany us on the reinspection and to update the names and telephone numbers on the Emergency Notification Plan for the dam. Also, if you have not already done so, please have any thick vegetation cut from the slops of the dam so that we can do a complete inspection.

If you cannot have someone meet us for the reinspection, please call me at 803-448-1902 to give me the necessary information for the Emergency Notification Plan. For your information I am including a copy of the Surveillance and Emergency Notification Plan (SENP). Please take this time to fill in the required information and hold this for our inspection. This copy is yours and should be placed in a location known to all parties responsible for implementing the SENP. Please note that on July 25, 1997 new dam regulations became effective. One change that you should be aware of is the dam owner is now responsible for notifying downstream property owners of potential failure or failure of an upstream dam. This is noted on the bottom of the SENP document.

Thank you and I hope to see you on our June 18th inspection.

Sincerely,

Fred K'. Earnhardt Section Manager Waccamw EQC



Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman Sandra J. Molander, Secretary

Richard E. Jabbour, DDS William M. Hull, Jr., MD Roger Leaks, Jr.

Promoting Health, Protecting the Environment

May 12, 1995

Mr. Milton E. Clemons P. O. Box 96 Myrtle Beach, S. C. 29577

RE: Reinspection of Clemons Upper Dam, D-4406, and Clemons Lower Dam, D-3101, Williamsburg County

Dear Mr. Clemons:

On Thursday, May 11, 1995, we conducted a routine reinspection of your dams.

We noted the following items that require your attention on upper (upstream) dam:

1. Trees in the emergency spillway should be cut and removed. / During periods of high flow, they tend to restrict flow of water.

2. Small brush and trees less than 6" in diameter on the dam should be cut and removed. (Large trees are too big to be cut unless stumps and roots are removed also.)

3. The metal riser structure is rusting and deteriorating and / requires repair or replacement.

We noted the following items that require your attention on the lower dam:

1. Trees in the emergency spillway should be cut and removed.

2. Work to repair the riser system should be completed. The formwork left inside will tend to restrict the flow of water.

3. Small brush and trees less than 6" in diameter on the dam should be cut and removed.

We are enclosing a copy of the updated Emergency Alert Notification Plan for the dams. The purpose of this Plan is to assist those persons who monitor the dams in reaching the correct agencies and taking the correct actions in case either dam is in danger of failing. These dams have a road below them that would need to be blocked if either is threatened. The agencies listed on the plan could provide assistance in accomplishing this.

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Mr. Milton E. Clemons May 10, 1995 Page 2

Provisions in the S.C. Dams and Reservoirs Safety Act require the owner to notify us within 30 days after transferring title or control of his dam to someone else. We are enclosing a form for your use in notifying us should this occur.

During this inspection, we did a reevaluation of the downstream hazard below these dams and decided they should be classified as significant hazard rather than high hazard structures. Based on this new classification, they will be reinspected next in three years.

Sincerely, George &. Kallertin

George D. Ballentine, Ph.D., P.E., Manager Dams and Reservoirs Safety Section

Enclosures cc: Rick Nuzum, P.E., DHEC Dam Safety

### DAMS AND RESERVOIRS SAFETY PROGRAM EMERGENCY NOTIFICATION AND SURVEILLANCE PLAN

NAME AND DESCRIPTION OF D	DAM <u>COUNTY: Williamsburg</u>
Clemons Upper Dam, D-4406	
Clemons Lower Dam, D-3101	
of the above reference dam, I act	Manager Operator (Please check one) cept the responsibility for safe maintenance and operation of the dam t the following emergency notification and surveillance plan:

### SURVEILLANCE PLAN

DHEC: 2606 (08/94)

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 inflow or movement of soil particles. The Dams and Reservoirs Safety Area Engineer, <u>Rick Nuzum</u> (803)734-9117 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.

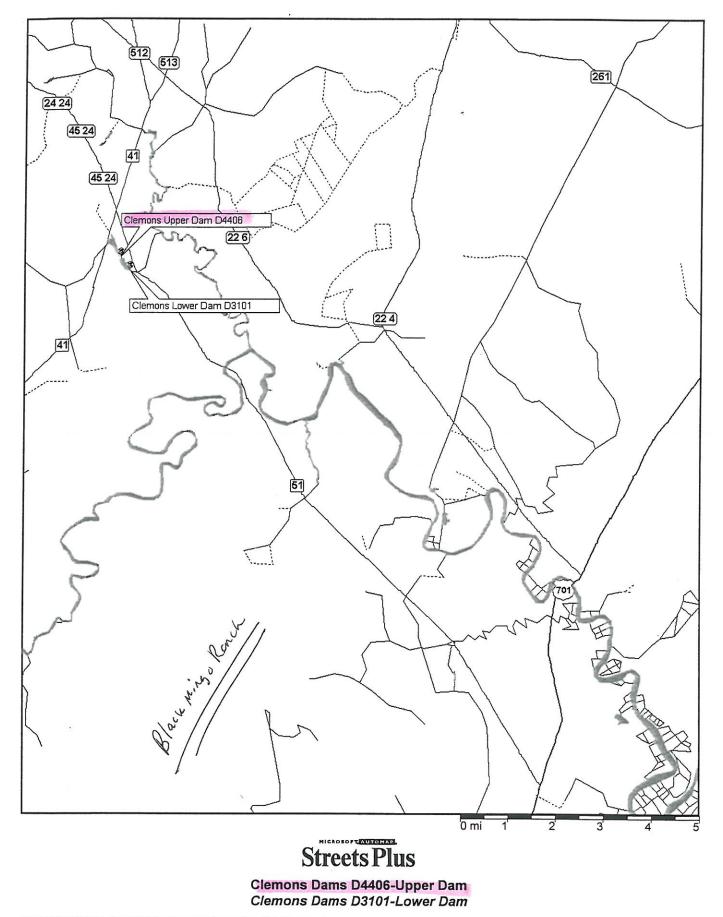
1. South Carolina Highway Patrol (803)661-4700

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- 2. Local Highway Maintenance Engineer (803)354-9626 7490
- Local Police Department, Emergency Preparedness personnel, and other county or town officials. Williamsburg County Emerg. Prep. (803)354-9330 Sheriff's Office (803)354-6381
- 4. S.C. Department of Health and Environmental Control, Columbia, S.C. Tel.: (803)253-6488

Person responsible for implementing the Emergency Notification and Surveillance Plan:

Milton E. Clemons Name	May 11, 1954 Date	(803)448-3031 (803) <u>527-4336</u> Telephone
Same Owner of Dam	Date	<u>Samo</u> Telephone
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