



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

Section I (Owner's Information)

A. Dam Number: D 3469 & Hazard Class C2

B. Name of Dam: Crystal Springs Lake

C. Inspection Date (10/09/2014) & Time: 11:00

D. Date of Last Inspection: (11/22/2011)

E. Location-County/City: Berkeley / Goose Creek

F. EQC Regional Office: Low Country - Charleston

G. Inspector's Name: Gregory S Sams

H. Owner's Name: American Mortgage & Investment Co.

I. Contact Person (if different from above): Omi Hasija

J. Dam Owner's or Contact Person's Phone Numbers: Home (843) 766 - 4661
Office (843) 747-3636
Other (843) 693 - 1812

K. Dam Owner's or Contact Person's mailing address:
Address 1 PO Box 61329
Address 2 (optional) _____
City N. Charleston, State SC Zip Code 29419-1329

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)? asphalt roadway (Compton Drive)
- ii. Animal activity observed? no
- iii. Any obvious alteration or repairs made? no
- iv. Erosion noticed on crest? no
- v. Any visible settlement, misalignment or cracks? no

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? heavy tree and weed growth obscuring visual inspection
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? yes - erosion from pedestrian traffic and rain.
- v. Settlement or cracks visible in slope? not obvious

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? heavy tree and weed growth obscuring visual inspection
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? yes - erosion from pedestrian traffic and rain.
- v. Settlement or cracks visible in slope? not obvious
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? yes

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? no - will complete and return

iii. Does EAP contain specific actions to take if the dam has failed or is near failure? no - will complete and return

Section IV (Conclusions)

General comments and recommendations:

Upstream and downstream slopes have been neglected resulting in heavy vegetation that prevents visual and actual inspection of slopes.
trash rack in place.

Pedestrian traffic trails used for fishing are adding to erosion by channeling rain run-off.

Preliminary Dam Inspection Disclaimer:

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

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

INSTRUCTIONS

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

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

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

Section II (Dam Condition):

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

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

b) FAIR- No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.

c) POOR- A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.

d) UNSATISFACTORY- A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.

e) NOT RATED- This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.

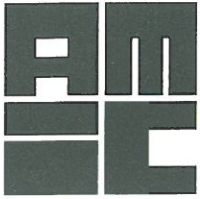
Section III (Dam Inspection Checklist):

This section is self-explanatory and guides the inspector through 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.



AMERICAN MORTGAGE & INVESTMENT COMPANY

1455-A Remount Road
N. Charleston, S.C. 29406-3355

RECEIVED
NOV 26 2014
CHARLESTON EQC OFFICE

November 24, 2014

Mr. Gregory S. Sams
SCDHEC Region 7-Charleston EQC Office
1362 McMillan Avenue, Suite 300
Charleston, SC 29405

Re: Update on downstream property owners

Dear Greg,

It was good to see you on October 9, 2014 when you inspected Crystal Springs Dam, D-3496. We are glad that you found it satisfactory. As per our discussion, I've instructed a contractor to bushhog the lake side of the dam and thin down some trees. The only item we had not completed was the update or downstream property owners. We found that the 2 property owners on the dawn stream are the same as those were in 2012. Unfortunately we could not find their telephone numbers. As instructed, those names are again filled in on page 3 of the form you had provided. The form is enclosed.

We hope that you'll find everything satisfactory when you visit the dam next time.

With Best wishes for the holidays,

Sincerely,

Omi Hasija,
Vice President

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

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

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? trees, grass (groomed)
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, No
flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

vi. If applicable, any visible leakage below concrete spillway? no

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? yes

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

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

Section IV (Conclusions)

General comments and recommendations:

Dam has two primary and two emergency spillways.

One primary spillway is an ogee type spillway.

Second primary spillway consists of a set of flashboard risers each with 36" barrels

Two emergency spillways are located on each end of dam

Trees remain on both slopes but no evidence of damage

Dam is well maintained as walking trail

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

INSTRUCTIONS

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- A) Dam Number; Enter the Dam's inventory number.
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- F) EQC Regional Office; Enter the DHEC EQC Regional office that covers the area in which the dam is located.
- G) Inspector's Name; Enter the name of the person performing the inspection.
- H) Owner's Name; Enter the name of the person owning the dam. If there is multiple owners list them and their contact information in the "General comments and recommendations are in section IV.
- 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.

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- 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.

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Section IV(Conclusions):

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

Section I (Owner's Information)

A. Dam Number: D 2552 & Hazard Class C2 B. Name of Dam: Lake Caire Yelleau
C. Inspection Date (10/08/2014) & Time: 11:30 D. Date of Last Inspection: (10/21/2011)
E. Location-County/City: Dorchester / Summerville F. EQC Regional Office: Charleston
G. Inspector's Name: Gregory S Sams
H. Owner's Name: Thomas & Laura Lindenmayer, and Michael and Gayle Langan
I. Contact Person (if different from above):
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office () - Other () -
K. Dam Owner's or Contact Person's mailing address:
Address 1 304 Chaussee Blvd and 302 Chaussee Blvd
Address 2 (optional)
City Summerville, State SC Zip Code 29483 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

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

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? grass, weeds - Half of slope is groomed (side abutting 304 Chaussee) and other side is overgrown weeds (side abutting 302 Chaussee).
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on upstream slope? no
- v. Settlement or cracks visible in slope? no

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? trees - have not been cleared since prior to 1996.
- ii. Animal activity observed? no
- iii. Any obvious alterations or repairs made? no
- iv. Erosion observed on down stream slope? no
- v. Settlement or cracks visible in slope? no
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: no

D. Primary Spillway

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

E. Outlet Pipe

- i. Any water visibly flowing or leaking outside of the discharge pipe? no
- ii. Describe any deflection or damage observed to the pipe: none
- iii. Visible condition of outlet channel: _____

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

vi. If applicable, any visible leakage below concrete spillway? no

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? no

ii. Does EAP contains emergency alert notification plan? If so, when was it last updated? no

iii. Does EAP contain specific actions to take if the dam has failed or is near failure? no

Section IV (Conclusions)

General comments and recommendations:

Dam had been owned by homeowners association until prior to 1996. Region office has assumed two land owners whose property abuts dam are responsible.

Down Stream slope is covered with trees and abuts property owners in adjacent subdivision (Sweetbriar).

There has been no maintenance to the downstream slope since prior to 1996.

Upstream slope on left all the way up to the primary spillway has been groomed and is being maintained.

Trash rack is in place and not clogged.

Right half of upstream slope has weeds that could be mowed to allow visual inspection but there are no trees.

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Section I (Owner's Information)

A. Dam Number: D 3479 & Hazard Class C2 B. Name of Dam: Lake Hastie Dam
C. Inspection Date (10/22/2015) & Time: 10:00 D. Date of Last Inspection: (12/08/2011)
E. Location-County/City: Berkeley / Moncks Corner F. EQC Regional Office: Low Country - Charleston
G. Inspector's Name: Gregory S Sams
H. Owner's Name: Pimlico Civic Club, Inc.
I. Contact Person (if different from above): Joann Whitlock, President
J. Dam Owner's or Contact Person's Phone Numbers: Home (843) 761-6658 Office () - Other (843) 830 - 2048
K. Dam Owner's or Contact Person's mailing address: Address 1 1603 Pimlico Boulevard Address 2 (optional) City Moncks Corner, State SC Zip Code 29461 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Dam is a dike surrounding lake. Approximately 2 miles of dike. Well groomed grass covers most of dike on the lower lake. Upper lake has less vegetation and some roots on crest.
ii. Animal activity observed? No
iii. Any obvious alteration or repairs made? No
iv. Erosion noticed on crest? No
v. Any visible settlement, misalignment or cracks? No

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Lower lake is maintained well. Some large trees and some smaller trees are present in some areas. Upper lake has more trees but has been cleared some to allow better visual inspection. Smaller trees should be cleared before they get big.
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? No
- v. Settlement or cracks visible in slope? Some areas appear to have some sloughing that has occurred over years. No recent erosion noted.

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Lower lake is maintained well. Some large trees and some smaller trees are present in some areas. Upper lake has more trees but has been cleared some to allow better visual inspection. Smaller trees should be cleared before they get big.
- ii. Animal activity observed? No
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? No
- v. Settlement or cracks visible in slope? Some areas appear to have some sloughing that has occurred over years. No recent erosion noted.
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, flow rate, and any turbidity or color within the flow: No

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? To be updated and submitted

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

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

Section IV (Conclusions)

General comments and recommendations:

This dam is a dike surrounding the entire lake and is approximately 2 miles in length.

Lower dike is surrounded by homes and dike is part of well maintained yards.

Upper lake is used as a walking trail and vehicular traffic has been blocked from access.

Upper lake dike where most of the trees are has yet to be developed and borders a swampy area.

Dam is stable but removal of trees, roots and stumps should continue.

Siphon spillway located a Latitude 33 degrees, 05 minutes, 35.17 seconds, Longitude -79 degrees, 57 minutes, 34.74 seconds.

Preliminary Dam Inspection Disclaimer:

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

INSTRUCTIONS

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

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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:

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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 through 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.



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

December 12, 2014

Kathryn E. Reynolds
Poston & Co. Real Estate
304 Meeting Street
Charleston, SC 29401

Re: Moss Grove Dam Inspection
Dam # D-4125
Berkeley County

Dear Ms. Reynolds:

Thank you for meeting me yesterday to discuss concerns initially noted during my December 3, 2014, inspection of the referenced dam. I very much appreciate your efforts to coordinate with the Greenery LLC landscaping company and the Moss Grove HOA to conduct needed clearing of vegetation on the dam. I have included past inspection letters of the dam for your reference as requested.

The primary concern at this point is to clear the dam so that adequate routine inspection may occur and to keep trees from growing which can pose problems for dam embankments. We discussed the reason for removing trees and root systems and this has also been mentioned in previous reports.

I am also sending a form entitled **Surveillance, Emergency Notification, and Action Plan for South Carolina Regulated Dams**. This should be completed and kept on file, with a copy forwarded to our office.

Please review the comments on the Preliminary Inspection Report form and let me know if you have any questions or concerns. As discussed yesterday, I would hope to re-inspect sometime in the next couple of months after work has been completed. I trust you will inform us of progress as it occurs.

Thank you again and please let me know if I can be of any assistance.

Sincerely,

Gregory S Sams
SC DHEC Lowcountry EQC Region – Charleston

Cc: Bureau of Water – Dams Permitting Section



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

Section I (Owner's Information)

A. Dam Number: D 4125 & Hazard Class C2
B. Name of Dam: Moss Grove Plantation
C. Inspection Date (12/11/2014) & Time: 9:30
D. Date of Last Inspection: (12/07/2011)
E. Location-County/City: Berkeley / Moncks Corner
F. EQC Regional Office: Charleston
G. Inspector's Name: Gregory S Sams
H. Owner's Name: Moss Grove Plantation A/P c/o Poston & Co
I. Contact Person (if different from above): Kathryn Reynolds (Kathryn@postonco.com)
J. Dam Owner's or Contact Person's Phone Numbers: Home () - Office (843) 937 - 6886 Other (843) 437 5937 (cell)
K. Dam Owner's or Contact Person's mailing address: Address 1 304 Meeting Street Address 2 (optional) City Charleston, State SC Zip Code 29401 -

Section II (Dam Condition)

General Condition Assessment (Select one of the following):

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

Section III (Dam Inspection Checklist)

A. Dam Crest

- i. Vegetation (grass, trees weeds)? Crest is overgrown beyond primary spillway and not easily observable.
ii. Animal activity observed? unable to assess
iii. Any obvious alteration or repairs made?
iv. Erosion noticed on crest? unable to fully assess
v. Any visible settlement, misalignment or cracks? Some depressions noted in area of crest that is visible. Depressions do not appear to be from misalignment or cracks as opposed to ruts or pot holes.

Section III (Dam Inspection Checklist) continued

B. Upstream Slope

- i. Vegetation (grass, trees weeds)? Entire length of upstream slope is heavily vegetated and not observable.
- ii. Animal activity observed? unable to assess
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on upstream slope? unable to assess
- v. Settlement or cracks visible in slope? unable to assess

C. Down Stream Slope

- i. Vegetation (grass, trees weeds)? Downstream slope up to primary spillway is in great shape.
Downstream slope beginning at primary spillway and beyond is overgrown and not visible.
- ii. Animal activity observed? unable to assess
- iii. Any obvious alterations or repairs made? No
- iv. Erosion observed on down stream slope? unable to assess
- v. Settlement or cracks visible in slope? unable to assess
- vi. Toe drains flowing? N/A
- vii. Any seepage observed? If so, describe location, unable to assess
flow rate, and any turbidity or color within the flow: _____

D. Primary Spillway

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

E. Outlet Pipe

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

F. Auxiliary (Emergency) Spillway

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

F. Auxiliary (Emergency) Spillway continued

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

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

H. Downstream/Hazard Class Issues

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

I. Emergency Action Plan (EAP)

i. Emergency Action Plan provided by owner? No

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

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

Section IV (Conclusions)

General comments and recommendations:

Property has changed management and dam has been neglected since last inspection and before.

Both upstream and downstream slope can not be seen due to thick vegetation. This had been noted on 2011 inspection.

Heavy development near pond is all up gradient from flood plain.

Met with management, Kathryn Reynolds, on site. Landscaping company that will work on clearing vegetation was also on site.

The Greenery LLC landscaping company will conduct work.

Apparently ownership of the dam will be conveyed from the developer to the homeowners association at the end of this year.

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