


RONNY LOTT
MADISON COUNTY CHANCERY CLERK

MEMORANDUM

TO: Madison County Board of Supervisors
FROM: Ronny Lott, Chancery Clerk 
DATE: March 25, 2015
RE: Persimmon Burnt Corn Water District

Mississippi Department of Environmental Quality, "DEQ," has done an inspection on the Persimmon Burnt Corn Water District dams and presented their report to the Board of Directors as to the erosion of these dams. The Board is requesting that the Board of Supervisors authorize the Road Department to provide brush maintenance by using a side clipper tractor and operator on four dams within the District on an as needed basis but not less than once a year

Consent Agenda 4/6/15



Exhibit "C"

STATE OF MISSISSIPPI

PHIL BRYANT
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

Monday, July 11, 2016

Ray Phillips
Persimmon-Burnt Corn Creek Drainage District
372 Sundial Road
Madison, Mississippi 39110

Re: Burnt Corn Watershed Structure No. 5

Dear Mr. Phillips:

I have personally completed an inspection for Burnt Corn Watershed Structure No. 5 (MS01650) in Madison County. This is a high hazard dam. Based on my observations, I have the following comments:

- 1) Brush and tall grass are growing on half of the upstream and downstream slopes.
- 2) Minor woody vegetation is growing in the upstream slope riprap.
- 3) Significant slope erosion of the downstream toe is occurring above the primary spillway outlet conduit.

As you are aware, as the local sponsor, the drainage district is responsible for maintaining this watershed dam. Failure to address these problems now could result in more serious repairs and rehabilitation needs in the future. Please provide our office a schedule for addressing the above items by December 31, 2016. If you have any questions, please contact me at (601) 961-5211 (office), (978) 257-0334 (mobile) or e-mail me at Andrew_Cummings@deq.state.ms.us.

Sincerely,

A handwritten signature in black ink, appearing to read "AC", with a long horizontal flourish extending to the right.

Andrew Cummings, P.G.
MDEQ Dam Safety Division

OFFICE OF LAND AND WATER RESOURCES

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STATE OF MISSISSIPPI

PHIL BRYANT
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

August 22, 2012

Mr. Ray Phillips, Chairman
Persimmon Creek / Burnt Corn Watershed District
372 Sundial Road
Madison, Mississippi 39110

Re: Burnt Corn Creek Watershed Structure ^{#1}~~#5~~ (also known as Eden Lake)

Dear Mr. Phillips:

This is to notify you that I have completed a breach analysis and inspection of the referenced dam (state inventory number MS01650) and have determined that this dam needs to be reclassified as a High Hazard dam. This means that if the dam were to fail, there are homes that would likely be flooded and possible loss of life. In addition to this it is possible that Highway 22 could be overtopped and damaged. Therefore this dam is now reclassified as a High Hazard dam.

High Hazard dams must meet certain requirements under State law in order to protect the downstream public. These requirements are similar to the requirements that NRCS has in place as part of their watershed assistance program for local sponsors. Those requirements are that an Emergency Action Plan (EAP) be prepared and copies submitted to the State dam safety program, the NRCS and local emergency responders. The district is required to maintain a copy of the plan and periodically update and test the plan. Since we have done the breach analysis and prepared the inundation map, we have turned it over to the Mississippi Soil and Water Conservation Commission to assist you in preparing the EAP. The requirements also include regular maintenance of the dam and annual inspections of the dam.

I have received a copy of the maintenance inspection for this dam. The Madison County District Conservationist and the NRCS Area Engineer, Shannon McCarty, performed the inspection on this dam on April 2. Their inspection, along with my inspection to determine the hazard classification, shows that this dam is not being maintained to the standards required of a high hazard dam. This dam needs to have all brush and trees removed and the embankment needs to be mowed more often than it has been. This dam should be mowed at least three times a year in order to keep off brush and trees and maintain a good stand of grass. Please contact me by phone or in writing by September 28, 2012, and give me a schedule for addressing the deficiencies noted in the inspection report. In addition, please give me a schedule for addressing the deficiencies noted in the inspection reports for watershed dam numbers 1, 3 and 8 (copies of the inspection reports are enclosed). These dams are a lower priority than watershed dam number 5

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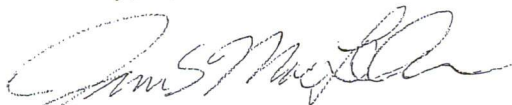
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as they are classified as Low Hazard dams. Therefore the maintenance for dam number 5 must be addressed first.

Please be aware that the dam safety regulations, which were established to carry out the requirements of State law, require that owners of High Hazard dams and of Significant Hazard dams must have a formal inspection of their dam done by a registered professional engineer (NRCS engineers for your dams) at such recurring intervals as specified by the Dam Safety Division. The regulations also require owners to perform frequent regular inspections and to submit an annual inspection report to assure proper operation and maintenance of the dam. The regulations also state that owners / operators who allow their dam to deteriorate to an unsafe condition may be ordered to make the necessary repairs and if the necessary repairs are not made, then the Commission on Environmental Quality is empowered by State Law to order the draining of the lake and removal of the dam, or other action deemed appropriate, such as restricting the lake level. Owners / operators of High Hazard or Significant Hazard dams who do not comply with the Department's inspection requirements will be considered to be allowing their dam to deteriorate to an unsafe condition.

If you have any questions, please don't hesitate to contact me at (601) 961-5061.

Sincerely,



James MacLellan, P.E.
Director, Drillers Licensing and Dam Safety Division

Enclosure

cc: Shannon McCarty, NRCS Area Engineer
Scott Culberson, NRCS State Engineer
Mark Gilbert, MSWCC



Report of Maintenance Inspection

Location (County): Madison Date of Inspection: 4-2-12

Watershed Name: Persimmon Burat Corn

Sponsor: Persimmon Burat Corn Watershed Drainage District

Works of Improvement covered by this report include: Watershed Dam # 8 Stakes Rd

Location: GPS Coordinates: N 32° 36' 16.0" W 90° 13' 04.2" NID #: MS00675

Items to be covered by this inspection are listed in the O&M agreement and plan. This is to certify that all items have been examined and all maintenance needs are listed below.

Inspector: *Bruce Lee*
 (NRCS) (Signature)

Title: *SG*

Inspector: *Shan McIntosh*
 (NRCS) (Signature)

Title: Supervisory Engineer

Inspector: _____
 (Sponsor) (Signature)

Title: _____

Description of Maintenance Needed:

The embankment has been mowed and is free of woody vegetation.
There are some trees around the outlet area that should be
removed. The gates are currently open on the riser and the
water is drained from the pool area. This was the case last year
as well. Large amounts of debris and limbs have piled up around
and on top of the riser and all of this material should be
removed. Not sure why the gate has been left open for so
long - could not get to a place where the actual front
gate could be seen.

Have there been any recent improvements downstream of the dam dictating the possible need for a hazard classification review? Yes _____ No x Not Applicable _____

Description of observed condition effecting proper operation or posing a safety hazard (other than noted above).

Maintenance Completed: By: _____ Date: _____ Cost: _____
 (Signature)



Report of Maintenance Inspection

Location (County): Madison Date of Inspection: 4-2-12

Watershed Name: Persimmon Burnt Corn

Sponsor: Persimmon Burnt Corn Watershed District

Works of Improvement covered by this report include: Watershed Dam # 3 Hwy 22

Location: GPS Coordinates: N 32° 33' 06.4" W 90° 15' 26.7" NID #: MS01649

Items to be covered by this inspection are listed in the O&M agreement and plan. This is to certify that all items have been examined and all maintenance needs are listed below.

Inspector: [Signature] Title: SE
(NRCS) (Signature)

Inspector: Shawn McLain Title: Supervisory Engineer
(NRCS) (Signature)

Inspector: _____ Title: _____
(Sponsor) (Signature)

Description of Maintenance Needed:

The embankment (both front and back slopes) are grown up with trees and shrubs that should be removed. Rise and outlet pipe appear to be functioning properly; however, there is some debris around the trash rack that should be removed. Also the trees around the outlet area need to be removed. Cattle is allowed on one section of the dam and they have caused some significant erosion areas on the back slope of the dam. These areas are almost vertical cuts that are void of vegetative cover. Cattle should be fenced out of the area and the back slope needs to be graded and re-vegetated. Some earthfill may need to be hauled in to grade these spots out.

Have there been any recent improvements downstream of the dam dictating the possible need for a hazard classification review? Yes _____ No X Not Applicable _____

Description of observed condition effecting proper operation or posing a safety hazard (other than noted above).

Maintenance Completed: By: _____ Date: _____ Cost: _____
(Signature)



Report of Maintenance Inspection

Location (County): Madison Date of Inspection: 4-2-12

Watershed Name: Persimmon Burat Corn

Sponsor: Persimmon Burat Corn Drainage District

Works of Improvement covered by this report include: Watershed Dam # 1 Hwy 22 and Eden Lane

Location: GPS Coordinates: N ^{32° 32' 38"}~~32° 33' 12.2"~~ W ^{90° 16' 00"}~~90° 11' 20.2"~~ NID #: MS01651

Items to be covered by this inspection are listed in the O&M agreement and plan. This is to certify that all items have been examined and all maintenance needs are listed below.

Inspector: [Signature] Title: ICT
(NRCS) (Signature)

Inspector: [Signature] Title: Supervisory Engineer
(NRCS) (Signature)

Inspector: _____ Title: _____
(Sponsor) (Signature)

Description of Maintenance Needed:

A section of the dam has been mowed while the other half of the dam is grown up with large amounts of woody vegetation (trees and shrubs). This is due to a property line running about halfway of the dam. On the half that is not maintained, the trees and shrubs should be removed from the dam and around the outlet area. Riser and pipe appear to be functioning properly. There is some active and recent erosion that has exposed a once buried section of the outlet pipe. Overland flow appears to be the culprit and the drop to the outlet water level is significant. This erosion should be addressed and stabilized before additional damage occurs. Water may need to be diverted to a dedicated outlet.

Have there been any recent improvements downstream of the dam dictating the possible need for a hazard classification review? Yes _____ No X Not Applicable _____

Description of observed condition effecting proper operation or posing a safety hazard (other than noted above).

Maintenance Completed: By: _____ Date: _____ Cost: _____
(Signature)



Report of Maintenance Inspection

Location (County): Madison Date of Inspection: 4-2-12

Watershed Name: Persimmon Burnt Corn

Sponsor: Persimmon Burnt Corn Watershed Drainage District

Works of Improvement covered by this report include: Watershed Dam # 5 Highland Dr.

Location: GPS Coordinates: N 32° 33' 11" W 90° 11' 20"
~~N 32° 32' 38.1" W 90° 16' 00.4"~~ NID #: MS01650

Items to be covered by this inspection are listed in the O&M agreement and plan. This is to certify that all items have been examined and all maintenance needs are listed below.

Inspector: [Signature] Title: SE
 (NRCS) (Signature)

Inspector: Shan McLary Title: Supervisory Engineer
 (NRCS) (Signature)

Inspector: _____ Title: _____
 (Sponsor) (Signature)

Description of Maintenance Needed:

The embankment needs to be mowed to remove the heavy briar growth on the front slope. The trees around the outlet area should be removed. Inspection of the pipe outlet was difficult due to the woody vegetation present. Riser and pipe appear to be functioning properly.

Have there been any recent improvements downstream of the dam dictating the possible need for a hazard classification review? Yes No Not Applicable _____

Description of observed condition effecting proper operation or posing a safety hazard (other than noted above).

Maintenance Completed: By: _____ Date: _____ Cost: _____
 (Signature)