

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Inspection Information

1. *Date of Inspection* 09/24/2018

2. *Inspectors Present* T. Evans, P. Gambill, S. Simons

3. *Other Persons Attending Inspection*

Name	Phone	Owner/Engineer/Other
Neil Baxley	843-275-9933	Owner
Mr. Baxley Sr	See above	Owner

4. *Is this a follow-up inspection?* Yes No NA

Observation/Instrumentation

1. *Estimate the current level of the water in the reservoir:* Breached

Dam breached during recent Hurricane (Florence).



Photo Taken: 9/24/2018 1:46:22 PM



Photo Taken: 9/24/2018 3:08:46 PM

2. *Describe the current weather & conditions:* Overcast and 77 degrees (F)


BAXLEY 501 POND DAM : D0513

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Start Date: 09/24/2018 Completed Date: 09/25/2018

Observation/Instrumentation	
3. Recent rainfall quantity:	None
Recent heavy rains to due Hurricane Florence - up to 20 inches of rain over storm event.	
4a. Are Piezometers or Observation Wells present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4b. (If Present:) Condition of Piezometers/Observation Wells	
5a. Is a Staff Gauge or Recorder present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b. (If Present:) Condition of Staff Gauge or Recorder	
6a. Are Measurement Weirs Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6b. (If Present:) Condition of Weirs:	
7a. Number of Spillways Present	3
7b. Type of Spillways Present	Stop-Log/Boards, Drop-Inlet, Earthen Overflow/Runaround
<p>(1) Primary: Drop inlet with stop-logs (partially removed) (2) Earthen Runaround at left abutment (approximately 21 feet wide) (3) Earthen Runaround at right abutment (approximately 25 feet wide)</p> <div style="display: flex; align-items: flex-start;">  <div style="margin-left: 20px;"> <p>Photo Taken: 9/24/2018 1:48:19 PM</p> </div> </div>	
8. Other:	
9. Additional Comments (Refer to item number if applicable)	

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

Is this section applicable for this dam?

Yes No

Crest Length: 580 ft (approximately)

Crest Width: 12 ft (center right)

Dam Height: 10.5 ft

Freeboard: 5 ft

Current Hazard Potential Classification: Significant Hazard (Class 2)



Photo Taken: 9/24/2018 1:48:02 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

1. Grass Cover

Monitor

Some grass cover was observed along crest.



Photo Taken: 9/24/2018 1:50:18 PM



Photo Taken: 9/24/2018 1:53:39 PM

2. Deleterious Vegetation

Monitor

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

3. *Trees*

Monitor

Large trees observed. See downstream and upstream slope sections.



Photo Taken: 9/24/2018 3:07:02 PM

4. *Animal Activity*

Monitor

None observed. Some anthills observed.



Photo Taken: 9/24/2018 1:52:01 PM
GPS Orientation: 270 degrees

5. *Surface Cracking*

No Deficiency

6. *Horizontal Alignment*

No Deficiency

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

7. *Settlement*

Monitor

Some shallow depressions were observed near the primary spillway.



Photo Taken: 9/24/2018 1:46:19 PM



Photo Taken: 9/24/2018 1:50:18 PM

8. *Sinkhole*

No Deficiency

9. *Erosion*

Monitor

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

Both shallow, and deeper (12+ inches) erosion was observed. Many holes were observed, likely as a result of damaged and decaying trees.



Photo Taken: 9/24/2018 1:48:45 PM



Photo Taken: 9/24/2018 1:51:45 PM



Photo Taken: 9/24/2018 3:07:15 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

10a. Are Alterations/Repairs Present?

Yes No

10b. (If Present:) Alterations/Repairs Condition

Investigate

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest

Modifications to the spillway were observed.



Photo Taken: 9/24/2018 1:48:39 PM



Photo Taken: 9/24/2018 1:48:49 PM



Photo Taken: 9/24/2018 1:48:58 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Crest	
11. Other:	
12. Embankment: Crest Condition	Needs Maintenance, Needs Permitted Repair(s)
Violation Determined: 9/24/2018 DAMMAINTREP	
13. Additional Comments (Refer to item number if applicable)	
Concrete/Masonry Dams: Crest	
Is this section applicable for this dam?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1. Surface Conditions	
2. Horizontal Alignment	
3. Vertical Alignment	
4. Condition of Joints	
5. Unusual Movement	
6a. Are Alterations/Repairs Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No
6b. (If Present:) Alterations/Repairs Condition	
7. Other:	
8. Concrete/Masonry Dam Crest Condition	
9. Additional Comments (Refer to item number if applicable)	

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

Is this section applicable for this dam?

Yes No

Slopes variable (1.5H:1V)



Photo Taken: 9/24/2018 1:52:37 PM

1. Grass Cover

Monitor

Little grass cover was observed.



Photo Taken: 9/24/2018 2:04:15 PM

2. Deleterious Vegetation

Monitor

Brush and other vegetation was observed along slope.

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

3. *Trees*

Investigate

Several large trees were observed along the upstream slope.



Photo Taken: 9/24/2018 1:50:29 PM



Photo Taken: 9/24/2018 3:07:07 PM

4. *Animal Activity*

Monitor

None observed.

5. *Surface Cracking*

No Deficiency

6. *Subsidence, Sinkhole*

No Deficiency

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

7. Slide, Slough, Scarp

Large sections of the upstream slope were nearly vertical due to the scarping and wave action along slope.



Photo Taken: 9/24/2018 3:06:06 PM



Photo Taken: 9/24/2018 3:09:13 PM

8. Groins

Monitor

9. Erosion

Action Required

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

Large eroded holes were observed along slope, within breach, and near spillway. See also "Spillways: Inlet".



Photo Taken: 9/24/2018 1:53:21 PM



Photo Taken: 9/24/2018 1:59:30 PM



Photo Taken: 9/24/2018 3:07:52 PM
GPS Orientation: 90 degrees

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

10a. Slope Protection/Armoring Present?

Yes No

10b. (If Present:) Slope Protection/Armoring

Investigate

Brick and concrete rubble was used in an attempt to repair erosion.



Photo Taken: 9/24/2018 1:47:24 PM



Photo Taken: 9/24/2018 3:07:52 PM
GPS Orientation: 90 degrees

11a. Alterations/Repairs Present?

Yes No

11b. (If Present:) Alterations/Repairs Condition

Investigate

See above.

12. Other:

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Upstream Slope

13. Embankment: Upstream Slope Condition

Needs Maintenance,
Needs Permitted
Repair(s)

**Violation Determined: 9/24/2018
DAMMAINTREP**

14. Additional Comments (Refer to item number if applicable)

Concrete/Masonry Dams: Upstream Face

Is this section applicable for this dam?

Yes No

1. Surface Conditions

2. Condition of Joints

3. Unusual Movement

4. Abutments

5a. Alterations/Repairs Present?

Yes No

5b. (If Present:) Alterations/Repairs Condition

6. Other:

7. Concrete/Masonry Dams: Upstream Face Condition

8. Additional Comments (Refer to item number if applicable)

Embankment: Downstream Slope

Is this section applicable for this dam?

Yes No

Slope variable (3H:1V average)



Photo Taken: 9/24/2018 3:09:37 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope

1. Grass Cover

Monitor

Tall brush and grasses observed on slope.



Photo Taken: 9/24/2018 3:08:10 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope

2. Deleterious Vegetation

Monitor

Dense brush observed along much of downstream slope.



Photo Taken: 9/24/2018 1:52:29 PM

Sediment from overtopping and breaching of the embankment is shown.



Photo Taken: 9/24/2018 3:09:19 PM

3. Trees

Action Required

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope

Large damaged and fallen trees observed in many places on downstream slope.



Photo Taken: 9/24/2018 1:50:53 PM



Photo Taken: 9/24/2018 1:51:24 PM



Photo Taken: 9/24/2018 1:53:04 PM



BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope	
4. Animal Activity	Monitor
None observed.	
5. Surface Cracking	No Deficiency
6. Subsidence, Sinkhole	Investigate
Many areas of steep erosion and holes observed on the downstream slope.	
	Photo Taken: 9/24/2018 3:08:34 PM Sediment from overtopping and breaching was observed in downstream area.
7. Slide, Slough, Scarp	Monitor
Steep scarping along much of slope was observed. No photographs available.	
8. Groins	Monitor
9. Erosion	Action Required
Scarping and other erosion, as well as deep holes left by overturned trees were observed. See photographs above.	
	Photo Taken: 9/24/2018 2:03:14 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope

10a. Slope Protection/Armoring Present?

Yes No

Brick and concrete rubble was observed in some areas along slope.

10b. (If Present:) Slope Protection Condition

Investigate

Armoring did not appear to be preventative, but rather as a result of erosion.



Photo Taken: 9/24/2018 3:07:47 PM



Photo Taken: 9/24/2018 3:08:34 PM

11. Wet Areas

Monitor

12a. Seepage

Yes No

Much of downstream inaccessible and wet. Evaluate seepage once water recedes.

12b. (If Present): Seepage Flow

Much of downstream inaccessible and wet.

13a. Drainage System Present?

Yes No

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Embankment: Downstream Slope		
<i>13b. (If Present:) Drainage System Condition</i>		
<i>14a. Alterations/Repairs Present?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<i>14b. (If Present:) Alterations/Repairs Condition</i>		
<i>15. Other:</i>		
<i>16. Embankment: Downstream Slope Condition</i>	Needs Permitted Repair(s), Condition Prevented Full Inspection	
<table border="1"> <tr> <td>Violation Determined: 9/24/2018 DAMMAINTREP</td> </tr> </table>		Violation Determined: 9/24/2018 DAMMAINTREP
Violation Determined: 9/24/2018 DAMMAINTREP		
<i>17. Additional Comments (Refer to item number if applicable)</i>		
Concrete/Masonry Dams: Downstream Face		
<i>Is this section applicable for this dam?</i>		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<i>1. Surface Conditions</i>		
<i>2. Condition of Joints</i>		
<i>3. Unusual Movement</i>		
<i>4. Drains</i>		
<i>5. Leakage</i>		
<i>6. Abutments</i>		
<i>7a. Alterations/Repairs Present?</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>7b. (If Present:) Alterations/Repairs Condition</i>		
<i>8. Other:</i>		
<i>9. Concrete/Masonry Dam: Downstream Face Condition</i>		
<i>10. Additional Comments (Refer to item number if applicable)</i>		
Downstream Area		
<i>Is this section applicable for this dam?</i>		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<i>Is Downstream Area clear?</i>		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<i>1. Trees</i>	Action Required	

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Downstream Area

Large trees observed at and near the toe of the dam. Several trees were damaged and overturned.



Photo Taken: 9/24/2018 1:51:49 PM



Photo Taken: 9/24/2018 1:58:15 PM



Photo Taken: 9/24/2018 3:09:19 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Downstream Area

2. Deleterious Vegetation

Investigate

Dense brush observed in downstream area. See downstream slope photographs.



Photo Taken: 9/24/2018 1:52:16 PM

3. Wet Areas

Monitor

Much of downstream inaccessible and wet.

4a. Seepage

Yes No NA

Much of downstream inaccessible and wet. Evaluate once water levels recede.

4b. (If Present): Seepage Flow

5a. Boils

Yes No NA

Much of downstream inaccessible and wet.

5b. (If Present): Boil Flow

6a. Alterations/Repairs Present

Yes No NA

6b. (If Present:) Alterations/Repairs Condition

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Downstream Area

7. Other:

Action Required

Large discarded tree pile was observed immediately downstream of breach.



Photo Taken: 9/24/2018 3:08:57 PM

8. Downstream Area Condition

Needs Permitted
Repair(s), Condition
Prevented Full
Inspection

**Violation Determined: 9/24/2018
DAMMAINTREP**

9. Additional Comments (Refer to item number if applicable)

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel

Is this section applicable for this dam?

Yes No

Two erodible channels (earthen runarounds) were observed, one at the right abutment and one at the left abutment.



Photo Taken: 9/24/2018 2:02:09 PM

Left abutment.



Photo Taken: 9/24/2018 3:05:52 PM

Right abutment.

1. Location

34.111356, -79.334313

2. Grass Cover

Monitor

The left channel was grassy near the dam, but contained concrete rubble and brick to serve as erosion protection along the remainder of the length. The right channel was grassy but bare spots were observed.

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form

Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018



Spillways: Erodible Channel



Photo Taken: 9/24/2018 1:47:24 PM

Left (downstream portion)



Photo Taken: 9/24/2018 1:47:32 PM

Left (upstream portion)



Photo Taken: 9/24/2018 3:06:50 PM

Right channel

3. Deleterious Vegetation

Monitor

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel

4. Trees

Monitor

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel

Large trees observed in both channels.



Photo Taken: 9/24/2018 1:47:52 PM



Photo Taken: 9/24/2018 1:47:56 PM



Photo Taken: 9/24/2018 3:06:03 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel

5. Animal Activity

Monitor

None observed.

6. Subsidence, Sinkhole

No Deficiency

7. Slide, Slough, Scarp

No Deficiency

8. Erosion

Monitor

Shallow erosion was observed in the right channel.



Photo Taken: 9/24/2018 3:06:34 PM



Photo Taken: 9/24/2018 3:06:44 PM

9. Debris

Monitor

Some debris was observed in the right abutment channel.

10. Flowing?

Yes No NA

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel

The left abutment contained standing water, but was not flowing. Right abutment was dry.



Photo Taken: 9/24/2018 2:02:09 PM



Photo Taken: 9/24/2018 2:02:13 PM



Photo Taken: 9/24/2018 3:06:50 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Erodible Channel	
11a. Alterations/Repairs Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Left abutment was dug in order to alleviate pressure on structure in past year(s).	
11b. (If Present:) Alterations/Repairs Condition	Monitor
12. Other:	
13. Spillway: Erodible Channel Condition	Needs Maintenance
Violation Determined: 9/24/2018 DAMMAINTREP	
14. Additional Comments (Refer to item number if applicable)	
Spillways: Non-Erodible Channel	
Is this section applicable for this dam?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1. Location	
2. Approach Area	
3. Weir/Control	
4. Sidewalls	
5. Channel Floor	
6. Condition of Joints	
7. Surface Condition	
8. Unusual Movement	
9. Discharge Channel	
10. Debris	
11. Flowing?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
12a. Boils	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
12b. (If Present): Boils	
13a. Alterations/Repairs Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
13b. (If Present:) Alterations/Repairs Condition	
14. Other:	
15. Spillway: Non-Erodible Channel Condition	
16. Additional Comments (Refer to item number if applicable)	

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Inlet Structure

Is this section applicable for this dam?

Yes No

Drop Inlet with stop-logs (partially removed).



Photo Taken: 9/24/2018 1:48:32 PM



Photo Taken: 9/24/2018 2:08:08 PM

1. Location

34.111407, -79.334386

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Inlet Structure

2a. Intake Structure

Investigate

Large, deep hole was observed behind the concrete structure. Hole extended at least 7 feet into embankment, along spillway pipe the downstream.



Photo Taken: 9/24/2018 2:08:13 PM

2b. Intake Structure Types

Drop Inlet, Stop-Log
Overflow



Photo Taken: 9/24/2018 1:48:19 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Inlet Structure

3. *Trashrack*

Monitor

Trashrack was removed at the time of observation.

Photo Taken: 9/24/2018 1:48:49 PM



4a. *Low-Level Valve Present?*

Yes No NA

4b. *(If Present:) Low-Level Valve Condition*

5. *Debris*

Monitor

6a. *Repairs/Alterations Present*

Yes No NA

Repairs were made January 23, 2008, according to note on concrete.

Photo Taken: 9/24/2018 1:48:39 PM



6b. *(If Present:) Alterations/Repairs Condition*

Investigate

7. *Other:*

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Inlet Structure

8. Spillway: Inlet Structure Condition

Regular Monitoring
Necessary, Needs
Maintenance, Needs
Permitted Repair(s)

**Violation Determined: 9/25/2018
DAMMAINTREP**

9. Additional Comments (Refer to item number if applicable)

Spillways: Outlet Works

Is this section applicable for this dam?

Yes No

72" diameter outlet pipe with headwall / wingwall.

Photo Taken: 9/24/2018 1:50:00 PM



1. Location

34.111279, -79.334411

2a. Outlet Structure

No Deficiency

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Outlet Works

2b. Outlet Structure Type

Pipe



Photo Taken: 9/24/2018 1:49:39 PM

3. Outlet Pipe

No Deficiency

4. Primary Closure/Control

N/A

5. Secondary Closure/Control (If Applicable)

N/A

6. Unusual Movement

No Deficiency

7a. Seepage

Yes No NA

7b. (If Present): Seepage

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Outlet Works

8. *Stilling Basin*

Monitor

Plunge pool.



Photo Taken: 9/24/2018 1:49:16 PM

9. *Normal Flow Quantity*

Unknown.

10. *Low-Level Flow Quantity*

N/A

11a. *Alterations/Repairs Present*

Yes No NA

11b. *(If Present:.) Alterations/Repairs*

12. *Other:*

Erosion observed to the left of outlet pipe.



Photo Taken: 9/24/2018 2:03:14 PM

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Spillways: Outlet Works

13. Outlet Works Condition

Regular Monitoring
Necessary, Needs
Permitted Repair(s)

**Violation Determined: 9/25/2018
DAMMAINTREP**

14. Additional Comments (Refer to item number if applicable)

Emergency Action Plan

Is this section applicable for this dam?

Yes No

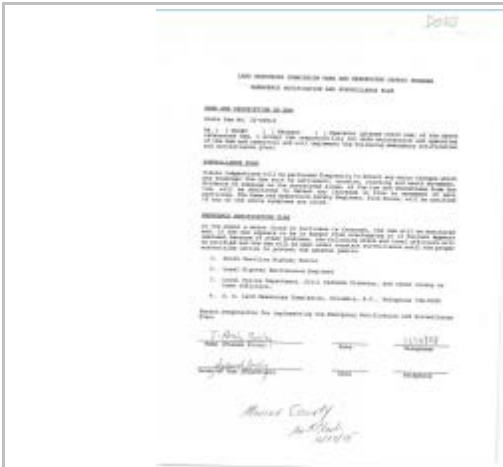


Photo Taken: 9/25/2018 10:41:06 AM

1. Date of last update of emergency plan:

10/29/2015

2a. EAP provided by owner?

Yes No NA

2b. (If EAP was not provided, was a copy of the EAP form left with the owner?)

Yes No NA

3. Does EAP contain emergency alert plan?

Yes No NA

4. Does EAP contain specific actions to take if the dam has failed or is failing?

Yes No NA

5. Additional Comments (Refer to item number if applicable)

EAP needs updating.

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Downstream Hazard Check

1. Satellite Imagery

Yes No NA



Photo Taken: 9/25/2018 9:55:02 AM

2. Inundation Map

Yes No NA

3. Structures/Developments

Yes No NA

4. Roads/Railways

Yes No NA

Current inundation map shows overtopping of Hwy 501 and several other roads downstream. Highway overtopped during 2018 Hurricane (Florence).

5. Utilities

Yes No NA

6. Consider For Reclass?

Yes No NA

Based on overtopping potential of HWY 501, it is recommended that the hazard potential be elevated.

7. Additional Comments (Refer to item number if applicable)

Inspection Summary

1. Overall Condition (*Per National Inventory of Dams Definition)

Unsatisfactory

Dam is breached

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form



Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018

Inspection Summary

-----NID Definitions-----

(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.

(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.

(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.

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

(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.

BAXLEY 501 POND DAM : D0513

Dams Preliminary Inspection Form

Inspector: Thomas Evans

Start Date: 09/24/2018 Completed Date: 09/25/2018



Inspection Summary

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.

BAXLEY 501 POND DAM (D0513)
Violation List



Form	Determined	Description	Sec. #
Dams Preliminary Inspection Form	9/24/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/24/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/24/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/24/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/24/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/25/2018	Reference: DAMMAINTREP	
Dams Preliminary Inspection Form	9/25/2018	Reference: DAMMAINTREP	