

Baldwin Energy Complex
Cooling Pond
Weekly Inspection Form

Dam Location: Baldwin Energy Complex; Randolph County
 Owner: Dynergy Midwest Generation, LLC
 Permit No.: DS2011079 Class of Dam: Intermediate Class I
 Type of Dam: Earthen embankment
 Type of Spillway: Concrete spillway

Date Inspected: 5-19-21

Weather Conditions: Sunny/windy

Pool Elevation: _____

Inspection Personnel:

Jason Grieve lab tech
Name / Title

Jason Grieve
Signature

Inspection Item	Conditions	Location of Problem and Recommended Remedial Measures and Implementation Schedule
Vertical and Horizontal Alignment of Crest	MM	west lake by river pumps holes/ruts needs rock
Unusual Movement or Cracking at or Beyond Toe	NE	
Seepage	NE	
Vegetative Cover	MM	needs mowed, after grassings grow
Embankment Erosion	NE	
Structural Cracking	NE	
Outfall Structures	GC	
Other		

Condition Codes:

NE	-	No evidence of a problem.
GC	-	Good condition
MM	-	Item needing minor maintenance and/or repairs within the year, the safety or integrity of the item is not yet impeded
IM	-	Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within one month.
EC	-	Emergency condition which if not immediately repaired or other appropriate measure taken could lead to failure of the dam. Emergency measures to be implemented as instructed by engineering such as pool draw down or stoppage of downstream load as instructed.
OB	-	Condition requires regular observation to ensure that the condition does not become worse
NA	-	Not applicable to this dam
NI	-	Not inspected - (list the reason for non-inspection)

East Fly Ash pond
 5-19-21
 Jean Giteve

Weather: Sunny
 70°F

Item	Condition	Comments	
Vertical & Horizontal Alignment of Crest	NI	not inspected too wet	
Riprap			
Seepage			
Erosion			
Filter and Filter Drains			NA
Unusual Movement or Cracking At or Beyond Toe			
Surface Cracks			
Sloughing or Erosion of Outer Embankment Slopes			
Sloughing or Erosion of Inner Embankment Slopes			
Upstream Face Slope Protection (HDPE Liner)			NA
Upstream Face Slope Protection (Riprap)			
Animal Damage			
HDPE Liner			NA
Vegetative Cover			
Condition of Piezometers			
Embankment Drainage Ditches		∇	∇

Embankment

Condition Codes

- EC = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- M = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- MM = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- OB = Condition requires regular observation to ensure that the condition does not become worse.
- GC = Good Condition.
- NE = No evidence of a problem.
- NI = Not Inspected. Reason should be stated in comment.

Spillway	Drains/Weeps	W	Too wet
	Discharge coloration	NI	
	Seepage		
	Alignment		
	Bridge and Piers	NA	
	Fencing	NA	
	Construction Joints	NA	
	Trash Racks	NA	
	Differential Settlement	NA	
	Stop Logs	NA	
Energy Dissipator	Riprap		
	Outlet Channel		
	Concrete Condition	NA	
	Debris		
Decant Structure	Alignment	NA	
	Connection to Bollard	NA	
	Debris in Inlets	NA	
	Condition of Pipe (60" culvert)		
	Seepage at Inlet or Outlet	NA	

Condition Codes

EC = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor

IM = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.

MM = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled

OB = Condition requires regular observation to ensure that the condition does not become worse

GC = Good Condition

NE = No evidence of a problem.

NI = Not Inspected. Reason should be stated in comment

SFAP
 5-19-21
 Jason Galene

70°F
 Sunny

	Item	Condition	Comments
Embankment	Vertical & Horizontal Alignment of Crest	NI	top wet
	Riprap		
	Seepage		
	Erosion		
	Filter and Filter Drains		
	Unusual Movement or Cracking At or Beyond Toe		
	Surface Cracks		
	Sloughing or Erosion of Outer Embankment Slopes		
	Sloughing or Erosion of Inner Embankment Slopes		
	Upstream Face Slope Protection (HDPE Liner)	NA	
	Upstream Face Slope Protection (Riprap)		
	Animal Damage		
	HDPE Liner	NA	
	Vegetative Cover		
	Condition of Piezometers		
Embankment Drainage Ditches			

Condition Codes

- EC = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- M = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- MM = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- DB = Condition requires regular observation to ensure that the condition does not become worse.
- GC = Good Condition.
- NE = No evidence of a problem.
- NI = Not Inspected. Reason should be stated in comment.

Spillway	Drains/Weirs	NI	too wet
	Discharge coloration		
	Seepage		
	Alignment	NA	
	Bridge and Piers	NA	
	Fencing	NA	
	Construction Joints	NA	
	Trash Racks	NA	
	Differential Settlement	NA	
	Stop Logs	NA	
Energy Dissipator	Riprap		
	Outlet Channel		
	Concrete Condition	NA	
	Debris		
Decant Structure	Alignment		
	Connection to Bollard	NA	
	Debris in Inlets		
	Condition of Pipe	NA	
	Seepage at Inlet or Outlet		

Condition Codes

- EC = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- IM = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- MM = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- OB = Condition requires regular observation to ensure that the condition does not become worse
- GC = Good Condition
- NE = No evidence of a problem.
- NI = Not Inspected. Reason should be stated in comment.

Impoundment
Dike

Bottom Ash Pond
5-19-21

Inspector(s)	Jason Erlene

Weather	70°F Sunny
---------	---------------

Embankment

Item	Condition	Comments
Vertical & Horizontal Alignment of Crest	GC	
Riprap	GC	
Seepage	NE	
Erosion	NE	
Filter and Filter Drains	NA	
Unusual Movement or Cracking At or Beyond Toe	NI	Area under water
Surface Cracks	NE	
Sloughing or Erosion of Outer Embankment Slopes	NE	
Sloughing or Erosion of Inner Embankment Slopes	NE	
Upstream Face Slope Protection (HDPE Liner)	NA	
Upstream Face Slope Protection (Riprap)	GC	
Animal Damage	NE	
HDPE Liner	NA	
Vegetative Cover	mm	needs mowed
Condition of Piezometers	NA	
Embankment Drainage Ditches	NA	

Condition Codes

- = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- = Condition requires regular observation to ensure that the condition does not become worse.
- = Good Condition.
- = No evidence of a problem.
- Not Inspected. Reason should be stated in comment.

Impoundment	Bottom Ash Pond
-------------	-----------------

	Drainage/Weeps	NI	
Spillway	Discharge coloration	NI	No access
	Seepage	NA	
	Alignment	NA	
	Bridge and Piers	NA	
	Fencing	NA	
	Construction Joints	NA	
	Trash Racks	NA	
	Differential Settlement	NA	
	Stop Logs	NA	
	Energy Dissipator	Riprap	NI
Outlet Channel		NI	No access
Concrete Condition		NA	
Debris		NI	No access
Decant Structure	Alignment	GC	
	Connection to Bollard	GC	
	Debris in Inlets	NE	
	Condition of Pipe	GC	
	Seepage at Inlet or Outlet	NE	

Condition Codes

- C = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- I = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- M = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- B = Condition requires regular observation to ensure that the condition does not become worse.
- C = Good Condition.
- E = No evidence of a problem.
- I = Not Inspected. Reason should be stated in comment.

Impoundment
Date

Secondary Pond

5-19-21

70°F

Inspector(s)
Jason Griener

Weather: Sunny

Item	Condition		Comments
Vertical & Horizontal Alignment of Crest	GC		
Riprap	NA		
Seepage	NE		
Erosion	NE		
Filter and Filter Drains	GC		
Unusual Movement or Cracking At or Beyond Toe	NI		Area under water
Surface Cracks	NE		
Sloughing or Erosion of Outer Embankment Slopes	NE		
Sloughing or Erosion of Inner Embankment Slopes	NE		
Upstream Face Slope Protection (HDPE Liner)	NA		
Upstream Face Slope Protection (Riprap)	GC		
Animal Damage	NE		
HDPE Liner	NA		
Vegetative Cover	MM		needs mowed
Condition of Piezometers	NA		
Embankment Drainage Ditches	NA		

Embankment

- dition Codes
- = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
 - = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
 - = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
 - = Condition requires regular observation to ensure that the condition does not become worse.
 - = Good Condition.
 - = No evidence of a problem.
 - Not Inspected. Reason should be stated in comment.

Impoundment Secondary

Spillway

Drains/Weepers	GC	
Discharge coloration	GC	
Seepage	NE	
Alignment	NA	
Bridge and Piers	NA	
Fencing	NA	
Construction Joints	NA	
Trash Racks	NA	
Differential Settlement	NA	
Stop Logs	NA	

Energy Dissipator

Riprap	GC	
Outlet Channel	NI	Area under water
Concrete Condition	NA	
Debris	NE	

Decant Structure

Alignment	GC	
Connection to Bollard	NA	
Debris in Inlets	NE	
Condition of Pipe	GC	
Seepage at Inlet or Outlet	NE	

Condition Codes

- 5 = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- 4 = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- 3 = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- 2 = Condition requires regular observation to ensure that the condition does not become worse.
- 1 = Good Condition.
- 0 = No evidence of a problem.
- NI = Not Inspected. Reason should be stated in comment.

Impoundment

Final Ash Pond

5-19-21

70°

Sunny

Jason Griev

WINDSPEED

Embankment

Item	Condition	Comments
Vertical & Horizontal Alignment of Crest	GC	
Riprap	GC	
Seepage	NE	
Erosion	NE	
Filter and Filter Drains	GC	
Unusual Movement or Cracking At or Beyond Toe	NI	Area under water
Surface Cracks	NE	
Sloughing or Erosion of Outer Embankment Slopes	NE	
Sloughing or Erosion of Inner Embankment Slopes	NE	
Upstream Face Slope Protection (HDPE Liner)	NA	
Upstream Face Slope Protection (Riprap)	GC	
Animal Damage	NE	
HDPE Liner	NA	
Vegetative Cover	MM	needs mowed
Condition of Piezometers	NA	
Embankment Drainage Ditches	NA	

- Condition Codes
- = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
 - = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
 - = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
 - = Condition requires regular observation to ensure that the condition does not become worse.
 - = Good Condition.
 - = No evidence of a problem.
 - Not Inspected. Reason should be stated in comment.

Impoundment Final Ash Pond

Spillway	Discharge coloration	GC	
	Seepage	GC	
	Alignment	NE	
	Bridge and Piers	GC	
	Fencing	NA	
	Construction Joints	NA	
	Trash Racks	NA	
	Differential Settlement	NA	
	Stop Logs	NE	
		NA	
Energy Dissipator	Riprap	NA	
	Outlet Channel	GC	
	Concrete Condition	NA	
	Debris	NE	
Decant Structure	Alignment	GC	
	Connection to Bollard	NA	
	Debris in Inlets	NE	
	Condition of Pipe	GC	
	Seepage at Inlet or Outlet	NE	

Condition Codes

- ⊃ = Emergency Condition. A serious dam safety condition exists that needs immediate action. Report immediately to Chief Dam Safety Engineer and immediate supervisor
- ⊂ = Item needing immediate maintenance to restore or ensure its safety or integrity. Remediation should be completed within 1 month.
- M = Item needing minor maintenance. The safety or integrity of the item is not yet imperiled.
- ∅ = Condition requires regular observation to ensure that the condition does not become worse.
- ⊂ = Good Condition.
- ∅ = No evidence of a problem.
- ⊂ = Not Inspected. Reason should be stated in comment.