

Baldwin Energy Complex
Cooling Pond
Weekly Inspection Form

Dam Location: Baldwin Energy Complex; Randolph County

Owner: Dynegy Midwest Generation, LLC

Permit No.: DS2011079 Class of Dam: Intermediate Class I

Type of Dam: Earthen embankment

Type of Spillway: Concrete spillway

Date Inspected: 5-11-21

Weather Conditions: Sunny

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	GC	
Unusual Movement or Cracking at or Beyond Toe	NE	
Seepage	NE	
Vegetative Cover	MM	needs mowed after goslings grow
Embankment Erosion	NE	
Structural Cracking	NE	
Outfall Structures	GC	
Other	MM	west road by river pumps has ruts/potholes + needs rock or it will continue

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 measures 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 water flow.
OR	-	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
 5-11-21
 Jason Givens

480F
 Sunny

	Item	Condition	Comments
Embankment	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	GC	
	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	GC	
Embankment Drainage Ditches	GC		

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/Weep	W	
	Discharge coloration	NA	no discharge
	Seepage	NE	
	Alignment	GC	
	Bridge and Piers	NA	
	Fencing	NA	
	Construction Joints	NA	
	Trash Racks	NA	
	Differential Settlement	NA	
	Stop Logs	NA	
Energy Dissipator	Riprap	GC	
	Outlet Channel	GC	
	Concrete Condition	NA	
	Debris	NE	
Decant Structure	Alignment	NA	
	Connection to Bollard	NA	
	Debris in Inlets	NA	
	Condition of Pipe (60" culvert)	GC	
	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
5-11-21
Jason Grube

48°F
Sunny

	Item	Condition	Comments
Embankment	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	NE	
	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	GC		
Embankment Drainage Ditches	GC		

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.
VM = 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	GC	
	Discharge coloration	NA	no discharge
	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	GC	
	Concrete Condition	NA	
	Debris	NE	
Decant Structure	Alignment	GC	
	Connection to Bollard	NA	
	Debris in Inlets	NE	
	Condition of Pipe	NA	
	Seepage at Inlet or Outlet	NE	

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
Side

Bottom Ash Pond

5-11-21

48°F

Inspector(s)	Jason Garneau

Weather	Sunny
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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
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 - = 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
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Spillway

Drains/Weep	NI	
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	No access
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.
- G = Good Condition.
- E = No evidence of a problem.
- I = Not Inspected. Reason should be stated in comment.

Impoundment
Date

Secondary Pond
5-11-21

48°F

Inspector(s)	Jason Griever

Weather:	Sunny
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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

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	Secondary
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Spillway	Drains/Weeps	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

E = 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.

G = Good Condition.

N = No evidence of a problem.

NI = Not Inspected. Reason should be stated in comment.

Impoundment
 Final Ash Pond

5-11-21
 Jason G. Jones

48°F
 Sunny

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

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

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

1 = 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.