

DTE Energy Monroe Power Plant

Inactive Bottom Ash Impoundment CCR Rule Compliance Project

Annual Inspection Report - 2017

Project Number: 60516675

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Prepared by:



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Appendices

- A. 2017 Annual Inspection Report

1. Introduction

1.1 Introduction

The 2017 Annual Inspection Report (AIR) was prepared by AECOM for the DTE Electric Company (DTE) to summarize the results of the annual inspection of the Monroe Power Plant Inactive Bottom Ash Impoundment. This annual inspection complies with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 CFR 257.73). Under the CCR Rule, the Inactive Bottom Ash Impoundment is an "existing surface impoundment" and must be inspected by a qualified professional engineer on a periodic basis, not to exceed one year.

1.2 Background Information

The inactive Bottom Ash Impoundment area was constructed in the late 1960's by building a perimeter dike to surround a low area of the adjacent Lake Erie; the area south of the plant was removed from the Waters of the United States by an Act of Congress prior to plant construction. CCR materials have been placed and allowed to drain into the pond from the north end of the pond; these materials currently form a delta that extends about 1/3 of the way into the pond.

1.3 Personnel

The annual inspection was performed by Mr. Scott G. Hutsell, P.E., with assistance from DTE personnel. Weekly inspections have been and continue to be performed by DTE's plant personnel.

2. Annual Inspection Results

2.1 2017 Inspections

DTE performed the following visual inspections in 2017:

- The annual inspection on June 28, 2017 (provided in Appendix A)
- Weekly inspections during 2017

The annual and weekly inspections included the embankment crest, exterior slopes of the embankment, discharge structures, and discrete observations of the interior of the basins based on accessibility. In addition to the annual and weekly inspections, the general condition of the site and embankment was visually inspected by DTE on a daily basis.

In general, no sign of vegetative distress or structural issues were observed during the annual inspection on the embankment crest, exterior slopes of the embankment and discharge structure. These structures appeared to be in good condition. Areas of concern are listed below; these conditions do not represent an immediate concern for the safe operation or stability of the Inactive Bottom Ash Impoundment

- The downslope sides of the Impoundment are heavily vegetated and a thorough inspection of the entire surface area of the impoundment is not practical.
- The downstream side of the spillway is heavily vegetated and flow through the spillway is redirected preferentially due to this vegetation. Flow through the spillway is not impeded due to the vegetation at this time.

3. Maintenance Activities in 2017

3.1 Maintenance Activities

DTE installed additional security fencing along the northern edge of the Bottom Ash Impoundment in March of 2017.

4. Conclusion and Certification

4.1 Conclusion

The annual inspection did not identify any evidence of structural weakness or instability in the Inactive Bottom Ash Impoundment at DTE's Monroe Power Plant.

Based on the annual inspection results and review of available data (including design documents and weekly inspection documentation) the Inactive Bottom Ash Impoundment was designed and constructed with generally accepted good engineering standards. Additionally, the Inactive Bottom Ash Impoundment is operated and maintained using generally accepted good engineering practice.

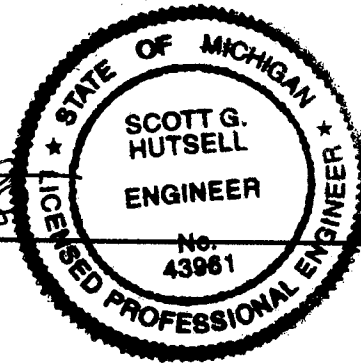
4.2 Certification

Certified by:



Scott G. Hutsell, P.E. Michigan License #43961

Senior Project Manager



08/30/19

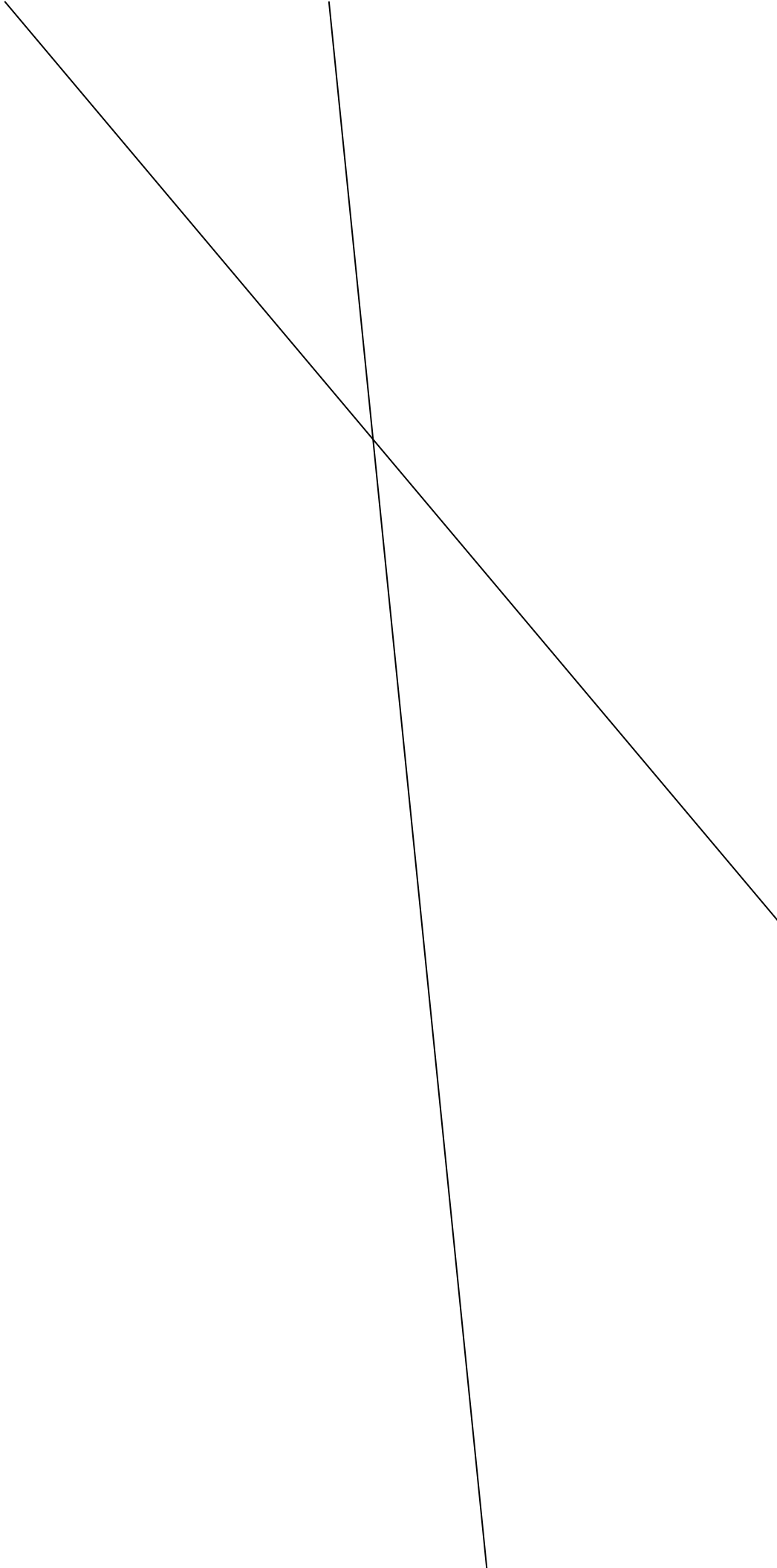
Revision Log

The table below provides a description of revisions to the Annual Inspection Report - 2017.

REVISION #	REVISION DATE	DESCRIPTION OF REVISION
1	08/30/2019	Changed text on CCR Impoundment Inspection Report.

AECOM

Appendix A



CCR Impoundment Inspection Report

Station/Owner Monroe Inactive Bottom Ash Impoundment / DTE Energy		County Monroe	State Michigan
Inspected By Scott G. Hutsell, P.E.		Date 06/28/2017	Phone No. 517-505-1301
Type of Impoundment: <input type="checkbox"/> Concrete Gravity <input checked="" type="checkbox"/> Embankment <input type="checkbox"/> Concrete Arch <input type="checkbox"/> Stone Masonry <input type="checkbox"/> Concrete Buttress <input type="checkbox"/> Other		Type of Inspection <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Periodic <input type="checkbox"/> Follow up <input type="checkbox"/> Other	Weather <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Snow Cover <input type="checkbox"/> Other
Hazard Description The Inactive Bottom Ash Impoundment is an 86.4-acre surface impoundment; the northern half is deposited sluiced ash while the southern half contains from 3 to 25 ft of water surrounded by an embankment.		Condition Assessment <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory <input type="checkbox"/> Poor <input type="checkbox"/> Not rated <input type="checkbox"/> Fair	
Remarks		Actions <input type="checkbox"/> None <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering	Recommendations <input checked="" type="checkbox"/> Inspection letter <input type="checkbox"/> <input type="checkbox"/> Deficiency letter <input type="checkbox"/> <input type="checkbox"/> EOR notice <input type="checkbox"/> <input type="checkbox"/> Engineering study <input type="checkbox"/> Periodic reinspection <input type="checkbox"/> Inspection by EOR
Pool Level (ft) ~575 ft MSL		Total Precipitation since last inspection n/a	

	Problems				COVER:
UPSTREAM SLOPE/FACE	<input type="checkbox"/> 1. None	<input type="checkbox"/> 7. Wave Erosion	<input type="checkbox"/> 13. Scarps	<input type="checkbox"/> 19. Exposed reinforcement	<input checked="" type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	<input checked="" type="checkbox"/> 2. Vegetation >2" dia.	<input type="checkbox"/> 8. Slides	<input type="checkbox"/> 14. Sloughing	<input type="checkbox"/> 20. Veg. or sediment in rip rap	
	<input checked="" type="checkbox"/> 3. Veg. height >6"	<input type="checkbox"/> 9. Depressions	<input type="checkbox"/> 15. Holes	<input type="checkbox"/> 21. Displaced rip rap	
	<input checked="" type="checkbox"/> 4. High bushes	<input type="checkbox"/> 10. Bulges	<input type="checkbox"/> 16. Undermining	<input type="checkbox"/> 22. Sparse rip rap	
	<input checked="" type="checkbox"/> 5. Animal Burrows	<input type="checkbox"/> 11. Cracks	<input type="checkbox"/> 17. Displaced joints	<input type="checkbox"/> 23. Other Erosion	
	<input type="checkbox"/> 6. Livestock damage	<input type="checkbox"/> 12. Spalling	<input type="checkbox"/> 18. Deteriorated joints	<input type="checkbox"/> 24. Other	
	Comments /Action Items The embankments surrounding the Inactive Bottom Ash Impoundment is typically 20' wide at the crest – while the access road is made up of crushed rock and rip-rap the interior sideslopes are heavily vegetated. The southern embankment is a rip-rap separation berm built in 2015.				
	Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering				
TOP OF DAM/CREST	PROBLEMS				COVER:
	<input type="checkbox"/> 1. None	<input checked="" type="checkbox"/> 7. Ruts	<input type="checkbox"/> 12. Cracks	<input type="checkbox"/> 17. Scarps	<input checked="" type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	<input type="checkbox"/> 2. Vegetation >2" dia.	<input type="checkbox"/> 8. Depressions	<input type="checkbox"/> 13. Deteriorated joints	<input type="checkbox"/> 18. Spalling	
	<input type="checkbox"/> 3. Veg. height >6"	<input type="checkbox"/> 9. Unlevel	<input type="checkbox"/> 14. Displaced joints	<input type="checkbox"/> 19. Sinkholes	
	<input checked="" type="checkbox"/> 4. High bushes	<input type="checkbox"/> 10. Misalignment	<input type="checkbox"/> 15. Exposed reinforcement	<input type="checkbox"/> 20. Puddles	
	<input checked="" type="checkbox"/> 5. Animal Burrows	<input type="checkbox"/> 11. Signs of overtopping	<input type="checkbox"/> 16. Settlement	<input type="checkbox"/> 21. Other	
	<input type="checkbox"/> 6. Livestock damage				

CCR Impoundment Inspection Report

	Comments /Action Items The embankments surrounding the Inactive Bottom Ash Impoundment is typically 20' wide at the crest; the access road is made up of crushed rock and rip-rap. While the access road is in fairly good condition there are some potholes and ruts along the perimeter. The southern embankment is a rip-rap separation berm built in 2015.				
	Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering				
DOWNSTREAM SLOPE/FACE	PROBLEMS				COVER:
	<input type="checkbox"/> 1. None <input checked="" type="checkbox"/> 2. Vegetation >2" dia.\ <input checked="" type="checkbox"/> 3. Veg. height >6" <input checked="" type="checkbox"/> 4. High bushes <input type="checkbox"/> 5. Poor grass cover <input checked="" type="checkbox"/> 6. Animal Burrows <input type="checkbox"/> 7. Livestock damage	<input type="checkbox"/> 8. Wetness <input type="checkbox"/> 9. Seepage <input type="checkbox"/> 10. Boils <input type="checkbox"/> 11. Puddles <input type="checkbox"/> 12. Erosion <input type="checkbox"/> 13. Slope instability <input type="checkbox"/> 14. Scarps	<input type="checkbox"/> 15. Sloughs/bulges <input type="checkbox"/> 16. Depressions <input type="checkbox"/> 17. Undercutting <input type="checkbox"/> 18. Rutting/rills <input type="checkbox"/> 19. Cracks <input type="checkbox"/> 20. Scour <input type="checkbox"/> 21. Spalling	<input type="checkbox"/> 22. Displaced joints <input type="checkbox"/> 23. Deteriorated joints <input type="checkbox"/> 24. Exposed reinforcement <input type="checkbox"/> 25. Riprap needs attention <input checked="" type="checkbox"/> 26. Veg. or sediment in rip rap <input type="checkbox"/> 27. Other	<input checked="" type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	28. Does standing water or seepage contain sediment?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
	29. Is there natural hillside seepage in in embankment area?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
	Describe seepage with regard to quantity and clarity (turbidity). Note changes:				
	None				
	Comments /Action Items Along the outside embankment large trees (1-2' in diameter) are visible. The southern embankment is a rip-rap separation berm built in 2015.				
	Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering				
TOE CONTACT	PROBLEMS				COVER:
	<input type="checkbox"/> 1. None <input checked="" type="checkbox"/> 2. Vegetation >2" dia. <input type="checkbox"/> 3. Veg. height >6" <input checked="" type="checkbox"/> 4. High bushes <input type="checkbox"/> 5. Poor grass cover <input type="checkbox"/> 6. Animal Burrows <input type="checkbox"/> 7. Livestock damage	<input type="checkbox"/> 8. Wetness <input type="checkbox"/> 9. Seepage <input type="checkbox"/> 10. Boils <input type="checkbox"/> 11. Puddles <input type="checkbox"/> 12. Erosion <input type="checkbox"/> 13. Slope instability <input type="checkbox"/> 14. Scarps	<input type="checkbox"/> 15. Sloughs/bulges <input type="checkbox"/> 16. Depressions <input type="checkbox"/> 17. Undercutting <input type="checkbox"/> 18. Rutting/rills <input type="checkbox"/> 19. Cracks <input type="checkbox"/> 20. Scour <input type="checkbox"/> 21. Spalling	<input type="checkbox"/> 22. Displaced joints <input type="checkbox"/> 23. Deteriorated joints <input type="checkbox"/> 24. Exposed reinforcement <input type="checkbox"/> 25. Riprap needs attention <input type="checkbox"/> 26. Veg. or sediment in rip rap <input type="checkbox"/> 27. Other	<input checked="" type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	28. Does standing water or seepage contain sediment?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
	Describe seepage with regard to quantity and clarity (turbidity). Note changes:				
	None				
	Comments /Action Items Toe is inaccessible to direct inspection due to heavy vegetation. Portions of the toe of slope that are visible from the south bank and other slopes look to be in good condition.				
	Actions <input type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering				
T	PROBLEMS				COVER:

CCR Impoundment Inspection Report

	<input type="checkbox"/> 1. None <input type="checkbox"/> 2. Vegetation >2" dia. <input type="checkbox"/> 3. Veg. height >6" <input type="checkbox"/> 4. High bushes <input type="checkbox"/> 5. Poor grass cover <input type="checkbox"/> 6. Animal Burrows <input type="checkbox"/> 7. Livestock damage	<input type="checkbox"/> 8. Wetness <input type="checkbox"/> 9. Seepage <input type="checkbox"/> 10. Boils <input type="checkbox"/> 11. Puddles <input type="checkbox"/> 12. Erosion <input type="checkbox"/> 13. Slope instability <input type="checkbox"/> 14. Scarps	<input type="checkbox"/> 15. Sloughs/bulges <input type="checkbox"/> 16. Depressions <input type="checkbox"/> 17. Undercutting <input type="checkbox"/> 18. Rutting/rills <input type="checkbox"/> 19. Cracks <input type="checkbox"/> 20. Scour <input type="checkbox"/> 21. Spalling	<input type="checkbox"/> 22. Displaced joints <input type="checkbox"/> 23. Deteriorated joints <input type="checkbox"/> 24. Exposed reinforcement <input type="checkbox"/> 25. Riprap needs attention <input type="checkbox"/> 26. Veg. or sediment in rip rap <input type="checkbox"/> 27. Other	<input type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	Comments /Action Items Not applicable				
	Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering				
PRINCIPAL SPILLWAY	OBSERVATIONS				
	<input type="checkbox"/> No Spillway				
	Is spillway control system operating properly?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	PROBLEMS				CHANNEL LINING
	<input type="checkbox"/> 1. None <input type="checkbox"/> 2. Trashguard <input checked="" type="checkbox"/> 3. Debris <input checked="" type="checkbox"/> 4. Obstructed <input checked="" type="checkbox"/> 5. Plugged/Clogged <input type="checkbox"/> 6. Gates Damaged <input type="checkbox"/> 7. Gates leaking <input type="checkbox"/> 8. Gates Rusted	<input type="checkbox"/> 9. Misalignment <input type="checkbox"/> 10. Joints leaking <input type="checkbox"/> 11. Joint deterioration <input type="checkbox"/> 12. Joint displacement <input type="checkbox"/> 13. Conduit collapsed <input type="checkbox"/> 14. Exposed reinforcement <input type="checkbox"/> 15. Erosion	<input type="checkbox"/> 16. Undermining <input type="checkbox"/> 17. Voids <input type="checkbox"/> 18. Cracks <input type="checkbox"/> 19. Holes <input type="checkbox"/> 20. Spalling <input type="checkbox"/> 21. Slides <input type="checkbox"/> 22. Outlet undercutting	<input type="checkbox"/> 23. Sloughing <input type="checkbox"/> 24. Scarps <input type="checkbox"/> 25. Deteriorated lining <input type="checkbox"/> 26. Boils <input type="checkbox"/> 27. Outlet erosion <input type="checkbox"/> 28. Displaced rip rap <input type="checkbox"/> 29. Sparse rip rap <input type="checkbox"/> 30. Other	<input checked="" type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
Comments /Action Items Spillway appears to be in good repair although the downstream weir is overgrown with vegetation; there are no control systems so the spillway acts as both principal and emergency.					
Actions <input type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering					
EMERGENCY SPILLWAY	OBSERVATIONS				
	<input type="checkbox"/> No emergency spillway			<input checked="" type="checkbox"/> Same as primary spillway	
	PROBLEMS				CHANNEL LINING
	<input type="checkbox"/> 1. None <input type="checkbox"/> 2. Debris in channel <input type="checkbox"/> 3. Gates <input type="checkbox"/> 4. Misalignment	<input type="checkbox"/> 5. Joint deterioration <input type="checkbox"/> 6. Joint displacement <input type="checkbox"/> 7. Exposed reinforcement <input type="checkbox"/> 8. Erosion	<input type="checkbox"/> 9. Undermining <input type="checkbox"/> 10. Voids <input type="checkbox"/> 11. Cracks <input type="checkbox"/> 12. Holes <input type="checkbox"/> 13. Outlet erosion	<input type="checkbox"/> 14. Displaced rip rap <input type="checkbox"/> 15. Sparse rip rap <input type="checkbox"/> 16. Outlet undercutting <input type="checkbox"/> 17. Inadequate capacity <input type="checkbox"/> 18. Other	<input type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
	Comments /Action Items See Principal Spillway Above				
Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering					
S L E T	Observations				
	1. Is discharge system operating properly?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

CCR Impoundment Inspection Report

RESERVIOR/POOL	2. Valves and operators in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	3. Walkway in good condition?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	4. Is there any turbidity observed at the outlet?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	5. Seepage at pipe outlet	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	6. No Bottom Drain	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	7. Bottom Drain Operable	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	8. Subsurface Drain Dry	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	9. Subsurface drain muddy flow	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	10. Subsurface drain obstructed	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	11. Animal guard	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	12. other	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	Comments /Action Items None		
Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering			
RESERVIOR/POOL	OBSERVATION		
	Has there been a sudden drop in the content level of the Impoundment	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	PROBLEMS		
	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 2. Inadequate freeboard	<input type="checkbox"/> 3. Skimmer <input type="checkbox"/> 4. Depressions	<input type="checkbox"/> 5. Whirlpools <input type="checkbox"/> 6. Sinkholes <input checked="" type="checkbox"/> 7. Unwanted growth in pond water
	Comments /Action Items Pool level has been steady since observations were first began by this inspector in late 2015. Southern separation berm has 2 pipes and a lowered section to allow for equalization of water levels between the Inactive Bottom Ash Impoundment and the process waste water Basin.		
Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering			
OTHER	OBSERVATIONS		
	1. leachate/stormwater (RCP; CMP) drain pipes that pass through or under an ash basin intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	2. Drainage/ diversion ditches/riprap-lined channels in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	3. Other steel structures/steel reinforcement in concrete structures in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	4. Other concrete structures in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	5. Overflow pipes and flap gates on filter dam/ drain pipe filter zone in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	6. Howell Bunger Valves in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	7. Weirs in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	8. Perimeter Fences and Gates in good condition?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	9. Security devices in good condition	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	10. Signs in good condition	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	11. Instrumentation in good condition	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	12. Reference monuments/Survey Monuments in good condition	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	13. other	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Comments /Action Items			
Actions <input checked="" type="checkbox"/> None <input type="checkbox"/> Maintenance <input type="checkbox"/> Monitoring <input type="checkbox"/> Minor Repair <input type="checkbox"/> Engineering			

CCR Impoundment Inspection Report

Are there any other abnormal conditions at the Impoundment that could pose a risk to public health, safety or welfare; the environment or natural resources Yes No



Inspector Signature _____

Date: 06/28/17 _____



Photo 1: Looking South from access road



Photo 2: Looking west from east access road at sluiced ash area



Photo 3: Looking west from east access road at south separation berm



Photo 4: Looking north along west access road north of separation berm



Photo 5: Looking north at walkway for spillway



Photo 6: Looking north from spillway walkway



Photo 5: Looking west at discharge from spillway into canal

