

CLECO POWER LLC

DOLET HILLS POWER STATION



CCR ANNUAL INSPECTION

ASH BASIN NO. 1

JANUARY 2024

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, LA 70802
(225) 766-7400
www.providenceeng.com
Providence Project No: 002-324



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SECTION 1.0

GENERAL INFORMATION

ANNUAL CCR SURFACE IMPOUNDMENT INSPECTION:			
Facility Name:		Cleco Dolet Hills Power Station	
Address:		963 Power Plant Rd. Mansfield, LA	
Surface Impoundment Name :	Ash Basin No. 1	Owner:	Cleco Power LLC
Surface Impoundment ID:	P-0037-M3	Operator:	Cleco Power LLC
Nearest City:	Mansfield	Parish:	DeSoto
Inspector:		Gary J. Leonards, P.E.	
Company:		Providence Engineering & Environmental Group LLC	
Date of Inspection:		12/13/2023	
Weather at Time of Inspection:		Cloudy, Overcast	
DESCRIPTION OF THE OPERATION OF THE SURFACE IMPOUNDMENTS:			
<p>The Cleco Dolet Hills Power Station is in the process of being decommissioned. The facility is no longer operating. Ash Basin No. 1 is in the final stages of regulatory closure. Bottom Ash is no longer being routed to this unit. Bottom ash and economizer ash were mixed with water and sluiced in a slurry form to either of the two Ash Basins. Both Ash Basins capture and retain rainfall runoff from drainage areas upstream of the basin dikes.</p>			
1.0 GENERAL INFORMATION			
Owner Contact:	Elizabeth Lee	Phone:	318-793-1194
Chief Operations Officer:	Robert Breedlove	Phone:	318-484-7679
Dam Status:	Final Regulatory Closure in Progress	Year Built:	1984
Latitude:	32° 01.82' N	Longitude:	93° 33.68' W
Dam Size:	400 Acre-Feet @ 253.5 ft.		
Bottom of Pond Elevation	220 ft. NAVD 88	Top of Dike Elevation:	256 ft. NAVD 88
Low Operating Level Elevation:	230 ft. NAVD 88	High Operating Level Elevation:	251 ft. NAVD 88
High Operating Level Storage:	330 acre-feet @ 251.0 ft. NAVD 88		
Maximum Storage:	400 acre-feet @ 253.5 ft. NAVD 88		
Maximum Surface Impoundment Area:	33.18 Acres		
Offsite Drainage Area:	Discharges to Secondary Pond, thence to Mundy Bayou		
Spillway/Overflow Structure Type:	Ash Basin No. 1 is undergoing final regulatory closure. Removal of operational discharge structures nearly complete.		

SECTION 2.0

QUESTIONS FOR OWNER'S REPRESENTATIVE

2.0 QUESTIONS FOR OWNER'S REPRESENTATIVE	
Construction Plans Available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Site Facility Map Available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Operations and Maintenance Manual Available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Emergency Action Plan Available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Recent Modification or Improvements?	yes--closure initiated
Are Routine Inspections Completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is Routine Maintenance Completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is There Vehicle Access to the Pond?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is Access Available During Heavy Rains?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are Routine Inspection Logs Kept On-site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Offsite Drainage Area:	Discharges to Secondary Pond, thence to Mundy Bayou
Spillway/Overflow Structure Type:	Ash Basin No. 1 is undergoing final regulatory closure. Removal of operational discharge structures nearly complete.

SECTION 3.0

PHYSICAL DAM FEATURES - RESERVOIR

3.0 PHYSICAL DAM FEATURES – RESERVOIR:	
Staff Gauge Type:	N/A
Staff Gauge Elevation at Time of Inspection:	N/A
Normal Operating Elevation:	N/A
Typical Operation:	Discharges to Secondary Pond, thence to Mundy Bayou
Are there any visible swirls?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Is there excessive CCR buildup in the surface impoundment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Approximate volume of Impounded water at time of inspection:	Minimal. Ash Basin No. 1 is undergoing final regulatory closure.
Approximate volume of CCR at time of inspection:	N/A
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations on the reservoir:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 4.0

PHYSICAL DAM FEATURES - INTAKE WORKS

4.0 PHYSICAL DAM FEATURES – INTAKE WORKS:	
Number of Intakes:	N/A
Description (1):	N/A
Size and Type:	N/A
Control:	N/A
Can Flow be Shutoff or Bypassed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Description (2):	N/A
Size and Type:	N/A
Control:	N/A
Can Flow be Shutoff or Bypassed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Description (3):	N/A
Size and Type:	N/A
Control:	N/A
Can Flow be Shutoff or Bypassed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Description (4):	N/A
Size and Type:	N/A
Control:	N/A
Can Flow be Shutoff or Bypassed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the in-flow piping free of debris and otherwise unobstructed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If no, describe (type of debris, reason for obstruction, etc.)	
Describe the quality of discharge from hydraulic structure (turbidity, depth, etc.)	Ash Basin No. 1 is undergoing final regulatory closure.
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations on the intake works:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 5.0

PHYSICAL DAM FEATURES - OUTLET WORKS

5.0 PHYSICAL DAM FEATURES – OUTLET WORKS:	
Number of Outlets:	One
Outlets/Culvert Pipe Sizes:	36 Inches
Type of Pipes:	Corrugated Metal Pipe from internal overflow weir structure to Secondary Pond.
Control:	Concrete weir structure removed as part of regulatory closure.
Can Flow be Shutoff or Bypassed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Describe the overall condition of the hydraulic structure: (Check all that apply)	<input type="checkbox"/> Functioning Normally <input checked="" type="checkbox"/> Not Functional <input type="checkbox"/> Deteriorated <input type="checkbox"/> Damaged <input type="checkbox"/> Adequate <input type="checkbox"/> Inadequate Other:(describe)
Is there evidence of erosion around the hydraulic structure?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is the hydraulic structure outlet flowing freely and unobstructed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If no, describe (type of debris, reason for obstruction, etc.)	
Describe the quality of discharge from the hydraulic structure (turbidity, depth, etc.)	The outflowing water is relatively clear and currently discharges to the Secondary Pond.
Findings:	Concrete weir structure removed as part of regulatory closure.
Other observations on the outlet works:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 6.0

SLOPE PROTECTION - EXTERIOR SLOPES

6.0 SLOPE PROTECTION – EXTERIOR SLOPES:	
Describe the vegetation on the exterior slope: (Check all that apply)	<input type="checkbox"/> Recently Mowed <input checked="" type="checkbox"/> Good Cover <input type="checkbox"/> Sparse <input type="checkbox"/> Other: (describe)
Is there any erosion on the exterior slope?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is there any erosion protection on the exterior slopes? (e.g. riprap, other)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (riprap - adequate, inadequate, etc.)	
Are there any Crack/Rills Observed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Are there any Sinkholes Observed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Are there any trees on the slopes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (type of vegetation, size, location, etc.)	
Findings:	Ash Basin No. 1 is undergoing final regulatory closure. Western levee degrading has been initiated.
Other observations on the exterior slopes:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 7.0

SLOPE PROTECTION - INTERIOR SLOPES

7.0 SLOPE PROTECTION – INTERIOR SLOPES:	
Describe the vegetation on the interior slopes: (Check all that apply)	<input type="checkbox"/> Recently Mowed <input type="checkbox"/> Good Cover <input type="checkbox"/> Sparse <input checked="" type="checkbox"/> Other: (describe)
Is there any erosion on the interior slope?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is there any erosion protection on the interior slopes? (e.g. riprap, other)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe what type and it's condition (riprap - adequate, inadequate, etc.)	
Are there any Crack/Rills Observed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Are there any Sinkholes Observed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Findings:	Ash Basin No. 1 is undergoing final regulatory closure. Western levee degrading has been initiated. Grading and shaping of the interior slopes was ongoing.
Other observations on the interior slopes:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 8.0

SLOPE PROTECTION - ABUTMENT/ TOE

8.0 SLOPE PROTECTION – ABUTMENT/TOE:	
Describe the vegetation on the Abutment/Toe: (Check all that apply)	<input type="checkbox"/> Recently Mowed <input type="checkbox"/> Good Cover <input checked="" type="checkbox"/> Sparse <input type="checkbox"/> Other: (describe)
Is there any erosion on the abutment/toe?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is there any erosion protection on the abutment/toe? (e.g. riprap, other)	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe what type and it's condition (riprap - adequate, inadequate, etc.)	
Are there any Crack/Rills Observed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is there any Seepage Observed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations on the abutment/toe:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 9.0

SURFACE IMPOUNDMENT CREST

9.0 SURFACE IMPOUNDMENT CREST:	
Describe the vegetation on the crest: (Check all that apply)	<input type="checkbox"/> Recently Mowed <input type="checkbox"/> Good Cover <input checked="" type="checkbox"/> Sparse <input checked="" type="checkbox"/> Other: (describe) Gravel
Is there a road or driveway on the crest?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (good condition, numerous cracks, etc.) Good Condition	
Are there any ruts, depressions, or holes on the crest?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Are there any cracks on the crest?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (length and width, location and direction of cracking, etc.)	
Are there any trees or other undesired vegetation on the crest?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Are there any sinkholes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations on the crest:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 10.0

PHYSICAL DAM FEATURES – SPILLWAY

10.0 PHYSICAL DAM FEATURES – SPILLWAY/OVERFLOW STRUCTURE TYPE:	
Type (1):	N/A
Slope Protection:	N/A
Approach:	N/A
Erosion:	N/A
Vegetation:	N/A
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations on the overflow structure:	Ash Basin No. 1 is undergoing final regulatory closure.
Type (2):	N/A
Slope Protection:	N/A
Approach:	N/A
Erosion:	N/A
Vegetation:	N/A
Findings:	Ash Basin No. 1 is undergoing final regulatory closure.
Other observations:	Ash Basin No. 1 is undergoing final regulatory closure.

SECTION 11.0

DOCUMENTATION REVIEW

11.0 DOCUMENTATION REVIEW:	
Weekly Inspections Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Findings: Ongoing closure	
Monthly Instrument Inspections Reviewed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Findings: Ash Basin No. 1 is undergoing final regulatory closure.	
Groundwater Monitoring:	Monitoring wells are in-place.
Drawings Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are there any changes in the geometry of the surface impoundment structure since the previous inspection?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
If yes, describe (size, location, etc.) Ash Basin No. 1 undergoing final regulatory closure.	
Other observations:	Ash Basin No. 1 is undergoing final regulatory closure.

APPENDIX A
PHOTOGRAPH LOG

Site Name: Dolet Hills Power Station – Ash Basin No. 1

Site Location: Mansfield, DeSoto Parish, LA

Date: December 13, 2023

Ash Basin No. 1

Direction:

Easterly

Comments:

Northern portion of Ash Basin No. 1



Ash Basin No. 1

Direction:

Southeasterly

Comments:

Shallow water accumulation. Former sluice structure in background.



Site Name: Dolet Hills Power Station – Ash Basin No.1

Site Location: Mansfield, DeSoto Parish, LA

Date: December 13, 2023

Ash Basin No. 1

Direction:

South

Comments:

Degradation of western levee of Ash Basin No. 1.



APPENDIX B
P.E. CERTIFICATION

