

CLECO POWER LLC

DOLET HILLS POWER STATION



CCR ANNUAL INSPECTION

ASH BASIN NO. 2

JANUARY 2024

Providence Engineering and Environmental Group LLC
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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. 2	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. 2 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° 02.14' N	Longitude:	93° 33.65' W
Dam Size:	420 Acre-Feet @ 243.5 ft.		
Bottom of Pond Elevation	215 ft. NAVD 88	Top of Dike Elevation:	246 ft. NAVD 88
Low Operating Level Elevation:	225 ft. NAVD 88	High Operating Level Elevation:	240.5 ft. NAVD 88
High Operating Level Storage:	335 acre-feet @ 240.5 ft. NAVD 88		
Maximum Storage:	420 acre-feet @ 243.5 ft. NAVD 88		
Maximum Surface Impoundment Area:	33.5 Acres		
Offsite Drainage Area:	Discharges to Secondary Pond, thence to Mundy Bayou		
Spillway/Overflow Structure Type:	Ash Basin No. 2 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. 2 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:	None. Ash Basin No. 2 is undergoing final regulatory closure.
Approximate volume of CCR at time of inspection:	N/A
Findings:	Ash Basin No. 2 is undergoing final regulatory closure.
Other observations on the reservoir:	Ash Basin No. 2 is undergoing final regulatory closure.

SECTION 4.0

PHYSICAL DAM FEATURES - INTAKE WORKS

4.0 PHYSICAL DAM FEATURES – INTAKE WORKS:	
Number of Intakes:	0
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
Is the in-flow piping free of debris and otherwise unobstructed?	N/A
If no, describe (type of debris, reason for obstruction, etc.)	
Describe the quality of discharge from hydraulic structure (turbidity, depth, etc.)	Ash sluicing operations have ceased. Ash Basin No. 2 is undergoing final regulatory closure.
Findings:	Ash sluicing operations have ceased. Ash Basin No. 2 is undergoing final regulatory closure.
Other observations on the intake works:	Ash Basin No. 2 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:	Adjustable concrete stoplog overflow weir structure
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 checked="" type="checkbox"/> Functioning Normally <input 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 checked="" 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.)	Accumulated stormwater is being routed to the west.
Findings:	Concrete weir structure removed as part of regulatory closure.
Other observations on the outlet works:	Ash Basin No. 2 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. 2 is undergoing final regulatory closure. Western levee degrading has been completed.
Other observations on the exterior slopes:	Ash Basin No. 2 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)
	Ash Basin No. 2 is undergoing final regulatory closure. Western levee degrading has been completed.
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. 2 is undergoing final regulatory closure. Western levee degrading has been completed.
Other observations on the interior slopes:	Ash Basin No. 2 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 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.)	
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. 2 is undergoing final regulatory closure.
Other observations on the abutment/toe:	Ash Basin No. 2 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. 2 is undergoing final regulatory closure.
Other observations on the crest:	Ash Basin No. 2 is undergoing final regulatory closure.

SECTION 10.0

PHYSICAL DAM FEATURES – SPILLWAY

10.0 PHYSICAL DAM FEATURES – SPILLWAY/OVERFLOW STRUCTURE:	
Type (1):	N/A
Slope Protection:	N/A
Approach:	N/A
Erosion:	N
Vegetation:	N/A
Findings:	Ash Basin No. 2 is undergoing final regulatory closure.
Other observations on overflow structure:	Ash Basin No. 2 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. 2 is undergoing final regulatory closure.
Other observations on the spillway:	Ash Basin No. 2 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. 2 undergoing final regulatory closure.	
Groundwater Monitoring:	Monitoring wells are in-place for routine monitoring.
Drawings Reviewed:	<input type="checkbox"/> Yes <input checked="" 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. 2 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. 2

Site Location: Mansfield, DeSoto Parish, LA

Date: December 13, 2023

Ash Basin No. 2

Direction:

East

Comments:

Degraded western
levee



Ash Basin No. 2

Direction:

Northeasterly

Comments:

Degraded western
levee



Site Name: Dolet Hills Power Station – Ash Basin No. 2

Site Location: Mansfield, DeSoto Parish, LA

Date: December 13, 2023

Ash Basin No. 2

Direction:

Easterly

Comments:

Former ash sluice structure



Ash Basin No. 2

Direction:

Northeasterly

Comments:

Former Ash Basin No. 2



APPENDIX B
P.E. CERTIFICATION

**ASH BASIN NO. 2
CCR ANNUAL INSPECTION**

PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that I have inspected Cleco's Dolet Hills Power Station Ash Basin No. 2 in accordance with the Annual CCR Inspection requirements. This inspection has determined that the design, operation, and maintenance of the Ash Basin No. 2 is in accordance with generally accepted engineering standards and is adequate for the facility.

Gary J. Leonards

Name

30568

Registration No.

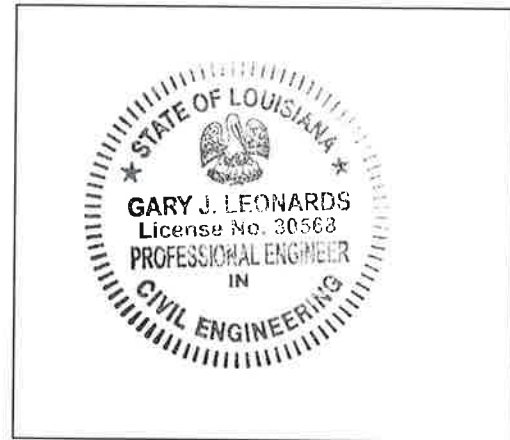
LA

State

Signature

01/16/24

Date



(Seal)

This inspection was conducted to assess the general overall condition of the reservoir/dam, identify visible deficiencies, and recommend areas for monitoring, and corrective actions. The inspection is based only on visible features/areas of the dam on the day of inspection. The owner should verify the findings of this report and take corrective actions. This inspection does not relieve the owner/operator from their responsibility to conduct routine inspections, maintenance, repairs, modifications, monitoring, and documentation.