

# CLECO POWER LLC DOLET HILLS POWER STATION



CCR ANNUAL INSPECTION

ASH BASIN NO. 1

JANUARY 2025

Providence Engineering and Environmental Group LLC  
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Providence Project No: 002-334



**TABLE OF CONTENTS**

<b><u>Section</u></b>	<b><u>Page</u></b>
<b>1.0 GENERAL INFORMATION.....</b>	<b>1-1</b>
<b>2.0 QUESTIONS FOR OWNER’S REPRESENTATIVE .....</b>	<b>2-1</b>
<b>3.0 PHYSICAL DAM FEATURES - RESERVOIR.....</b>	<b>3-1</b>
<b>4.0 PHYSICAL DAM FEATURES - INTAKE WORKS.....</b>	<b>4-1</b>
<b>5.0 PHYSICAL DAM FEATURES - OUTLET WORKS.....</b>	<b>5-1</b>
<b>6.0 SLOPE PROTECTION - EXTERIOR SLOPES .....</b>	<b>6-1</b>
<b>7.0 SLOPE PROTECTION - INTERIOR SLOPES .....</b>	<b>7-1</b>
<b>8.0 SLOPE PROTECTION - ABUTMENT/ TOE .....</b>	<b>8-1</b>
<b>9.0 SURFACE IMPOUNDMENT CREST .....</b>	<b>9-1</b>
<b>10.0 PHYSICAL DAM FEATURES – SPILLWAY.....</b>	<b>10-1</b>
<b>11.0 DOCUMENTATION REVIEW.....</b>	<b>11-1</b>

**LIST OF APPENDICES**

**Appendix**

- A Photograph Log
- B P.E. Certification

**SECTION 1.0**

**GENERAL INFORMATION**

<b>ANNUAL CCR SURFACE IMPOUNDMENT INSPECTION:</b>			
<b>Facility Name:</b>		Cleco Dolet Hills Power Station	
<b>Address:</b>		963 Power Plant Rd. Mansfield, LA	
<b>Surface Impoundment Name :</b>	Ash Basin No. 1	<b>Owner:</b>	Cleco Power LLC
<b>Surface Impoundment ID:</b>	P-0037-M3	<b>Operator:</b>	Cleco Power LLC
<b>Nearest City:</b>	Mansfield	<b>Parish:</b>	DeSoto
<b>Inspector:</b>		Gary J. Leonards, P.E.	
<b>Company:</b>		Providence Engineering & Environmental Group LLC	
<b>Date of Inspection:</b>		12/16/2024	
<b>Weather at Time of Inspection:</b>		Mostly Cloudy, Overcast	
<b>DESCRIPTION OF THE OPERATION OF THE SURFACE IMPOUNDMENTS:</b>			
<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>			
<b>1.0 GENERAL INFORMATION</b>			
<b>Owner Contact:</b>	Kasey Moore	<b>Phone:</b>	318-793-1194
<b>Chief Operations Officer:</b>	Robert Breedlove	<b>Phone:</b>	318-484-7679
<b>Dam Status:</b>	Final Regulatory Closure in Progress	<b>Year Built:</b>	1984
<b>Latitude:</b>	32° 01.82' N	<b>Longitude:</b>	93° 33.68' W
<b>Dam Size:</b>	400 Acre-Feet @ 253.5 ft.		
<b>Bottom of Pond Elevation</b>	220 ft. NAVD 88	<b>Top of Dike Elevation:</b>	256 ft. NAVD 88
<b>Low Operating Level Elevation:</b>	230 ft. NAVD 88	<b>High Operating Level Elevation:</b>	251 ft. NAVD 88
<b>High Operating Level Storage:</b>	330 acre-feet @ 251.0 ft. NAVD 88		
<b>Maximum Storage:</b>	400 acre-feet @ 253.5 ft. NAVD 88		
<b>Maximum Surface Impoundment Area:</b>	33.18 Acres		
<b>Offsite Drainage Area:</b>	Discharges to Mundy Bayou		
<b>Spillway/Overflow Structure Type:</b>	Ash Basin No. 1 is undergoing final regulatory closure. Removal of operational discharge structures nearly complete. Final grading ongoing.		

**SECTION 2.0**

**QUESTIONS FOR OWNER'S REPRESENTATIVE**

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

**SECTION 3.0**

**PHYSICAL DAM FEATURES - RESERVOIR**

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



**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:	
<b>Number of Outlets:</b>	One
<b>Outlets/Culvert Pipe Sizes:</b>	Western levee breach
<b>Type of Pipes:</b>	None
<b>Control:</b>	None
<b>Can Flow be Shutoff or Bypassed:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Describe the overall condition of the hydraulic structure: (Check all that apply)</b>	<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)
<b>Is there evidence of erosion around the hydraulic structure?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
<b>Is the hydraulic structure outlet flowing freely and unobstructed?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If no, describe ( type of debris, reason for obstruction, etc.)	
<b>Describe the quality of discharge from the hydraulic structure (turbidity, depth, etc.)</b>	The outflowing water consists of non-contact stormwater.
<b>Findings:</b>	Previous concrete weir structure removed as part of regulatory closure.
<b>Other observations on the outlet works:</b>	Ash Basin No. 1 is undergoing final regulatory closure.

**SECTION 6.0**

**SLOPE PROTECTION - EXTERIOR SLOPES**

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

**SECTION 7.0**

**SLOPE PROTECTION - INTERIOR SLOPES**

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



**SECTION 8.0**

**SLOPE PROTECTION - ABUTMENT/ TOE**

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

**SECTION 9.0**

**SURFACE IMPOUNDMENT CREST**

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

**SECTION 10.0**

**PHYSICAL DAM FEATURES – SPILLWAY**

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

**SECTION 11.0**

**DOCUMENTATION REVIEW**

11.0 DOCUMENTATION REVIEW:	
<b>Weekly Inspections Reviewed:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Findings:</b> Ongoing closure	
<b>Monthly Instrument Inspections Reviewed:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Findings:</b> Ash Basin No. 1 is undergoing final regulatory closure.	
<b>Groundwater Monitoring:</b>	Monitoring wells are in-place.
<b>Drawings Reviewed:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Are there any changes in the geometry of the surface impoundment structure since the previous inspection?</b>	<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.	
<b>Other observations:</b>	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 16, 2024

**Ash Basin No. 1**

**Direction:**

Easterly

**Comments:**

Northern portion of Ash Basin No. 1



**Ash Basin No. 1**

**Direction:**

Southeasterly

**Comments:**

Final grading of floor of ash basin. Former sluice structure in background.



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

**Site Location:** Mansfield, DeSoto Parish, LA

**Date:** December 16, 2024

**Ash Basin No. 1**

**Direction:**  
Northeasterly

**Comments:**  
Final grading of ash basin to support drainage.



**APPENDIX B**  
**P.E. CERTIFICATION**

**ASH BASIN NO. 1  
CCR ANNUAL INSPECTION**

**PROFESSIONAL ENGINEER CERTIFICATION**

I hereby certify that I have inspected Cleco's Dolet Hills Power Station Ash Basin No. 1 in accordance with the Annual CCR Inspection requirements. This inspection has determined that the design, operation, and maintenance of the Ash Basin No. 1 is in accordance with generally accepted engineering standards and is adequate for the facility.

**Gary J. Leonards**

Name

**30568**

Registration No.

**LA**

State

Signature

01/17/25

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.