

CLECO POWER LLC DOLET HILLS POWER STATION



CCR ANNUAL INSPECTION

FLY ASH/SCRUBBER SLUDGE LANDFILL

JANUARY 2023

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, LA 70802
(225) 766-7400
www.providenceeng.com
Providence Project No: 002-309



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SECTION 1.0

GENERAL INFORMATION

ANNUAL CCR LANDFILL INSPECTION:			
Facility Name:		Cleco Dolet Hills Power Station	
Address:		963 Power Plant Rd. Mansfield, LA	
Landfill Name :	Dolet Hills	Owner:	Cleco Power LLC
Surface Impoundment ID:	P-0064	Operator:	Cleco Power LLC
Nearest City:	Mansfield	Parish:	DeSoto
Inspector:		Gary J. Leonards, P.E.	
Company:		Providence Engineering & Environmental Group LLC	
Date of Inspection:		12/12/2022	
Weather at Time of Inspection:		Cloudy, Overcast	
DESCRIPTION OF THE OPERATION OF THE LANDFILL:			
<p>Cleco Dolet Hills Power Station (Dolet Hills) operates a Fly Ash/Scrubber Sludge Landfill used for the disposal of noncombustible by-product of lignite combustion from the Dolet Hills Power Station.</p> <p>Dolet Hills operates a landfill for the disposal of nonhazardous on-site generated waste only. None of the wastes disposed is characterized as hazardous or is listed hazardous waste as defined by LAC 33:V.Subpart I or by federal regulations. The non-hazardous nature of each waste stream is confirmed by process knowledge. The primary waste that is disposed in the landfill is fly ash and flue gas desulfurization (FGD) or scrubber sludge. The fly ash is a fine particulate composed of noncombustible materials present in lignite. As the lignite is pulverized and burned, this particulate is entrapped in the exhaust gas flow, and recaptured via a baghouse. The fly ash is collected dry and is available either as dry, fine powder or as a dampened (approximately 20 percent moisture) product. The landfill is being operated in support of final closure of other permitted solid waste units at the Dolet Hills Power Station.</p>			
1.0 GENERAL INFORMATION			
Owner Contact:	Elizabeth Lee	Phone:	318-793-1194
Plant Manager:	Robert Breedlove	Phone:	318-484-7679
Landfill Status:	Operational	Year Built:	1986
Latitude:	32° 00.77' N	Longitude:	93° 34.27' W
Landfill Size:	160.8 acres		
Approximate Volume of CCR Stored in Landfill at Time of Inspection:	19,400,000 cubic yards		

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?	None
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 Landfill?	<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 Landfill Runoff Pond

SECTION 3.0

SLOPE PROTECTION – EXTERIOR SLOPES

3.0 SLOPE PROTECTION – EXTERIOR SLOPES:	
Describe the vegetation on the exterior slope: (Check all that apply)	<input checked="" type="checkbox"/> Good Cover <input type="checkbox"/> Sparse <input type="checkbox"/> Other: (describe)
Is there any erosion on the exterior slope?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	Erosion and dead vegetation on western slope.
Is there any erosion protection on the exterior slopes? (e.g. riprap, other)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (riprap - adequate, inadequate, etc.)	Flexamat on downchutes
Are there any cracks, sloughs, bulges, or indications of slope distress?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size of area, location, severity, etc.)	
Is there an access ramp up the side slope or a road around the perimeter slope?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (good condition, numerous cracks, aggregate uniformly distributed, etc.)	Good Condition
Are there any depressions, ruts, or holes on the access ramp?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Are there any trees or undesired vegetation on the slopes?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (type of vegetation, size, location, etc.)	Excess vegetation on portion of western slope of landfill.
Do any wet areas indicate seepage through the slope?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Are there any active seeps (flowing water) from the toe of the slope?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (size, location, etc.)	
Is the stormwater being properly diverted by the existing infrastructure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe (size, location, etc.)	
Is the stormwater infrastructure in good condition?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Findings:	The exterior slopes were inspected and appeared to be in fair condition on the western side of the landfill. Erosion, wet areas, and stressed vegetation on western slope near toe of landfill.
Other observations on the exterior slopes:	None

SECTION 4.0

UPPER ELEVATION - FLAT CAP PROTECTION

4.0 UPPER ELEVATION FLAT CAP PROTECTION:	
Describe the vegetation on the upper elevation flat cap area: (Check all that apply)	<input checked="" type="checkbox"/> Good Cover <input type="checkbox"/> Sparse <input type="checkbox"/> Other: (describe)
Is there any erosion on the upper elevation flat cap area?	<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 upper elevation flat cap area? (e.g. riprap, other)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (riprap - adequate, inadequate, etc.)	
Are there any trees or undesired vegetation on the upper elevation flat cap area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (type of vegetation, size, location, etc.)	
Is the storm water being properly diverted on the upper elevation flat cap area?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Findings:	The upper elevation flat cap area was inspected and appeared to be in satisfactory condition.
Other observations on the upper elevation flat cap area:	None

SECTION 5.0
DOCUMENTATION REVIEW

5.0 DOCUMENTATION REVIEW:	
Weekly Inspections Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Findings:	Vegetation maintenance, general erosion issues
Groundwater Monitoring:	Monitoring wells are in-place for routine monitoring.
Drawings Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Any other change(s) which may have affected the stability or operation of the landfill since the previous annual inspection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Are there any changes in the geometry of the landfill since the previous inspection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
If yes, describe (size, location, etc.)	
Other observations:	None

APPENDIX A
PHOTOGRAPH LOG

Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 12, 2022

Landfill

Direction:

Northeasterly

Comments:

Crown of landfill.



Landfill

Direction:

Northwesterly

Comments:

Crown of landfill.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 12, 2022

Landfill

Direction

Northerly

Comments:

Eastern slope of active landfill.



Landfill

Direction:

South

Comments:

Western exterior slope vegetative cover.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 12, 2022

Landfill

Direction:

Northerly

Comments:

Western exterior slope and access road.



Landfill

Direction:

Southerly

Comments:

Western toe of landfill slope with areas of seepage and stressed vegetation.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 12, 2022

Landfill

Direction:

Northerly

Comments:

Southern slope of landfill.



Landfill

Direction:

Easterly

Comments:

West slope of landfill with some excess vegetation.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 12, 2022

Landfill

Direction:

Southerly

Comments:

Sedimentation pond and active landfill cell.



Landfill

Direction:

Southerly

Comments:

Sedimentation pond and active landfill cell.



APPENDIX B
P.E. CERTIFICATION

**LANDFILL
CCR ANNUAL INSPECTION**

PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that I have inspected Cleco's Dolet Hills Power Station Landfill in accordance with the Annual CCR Inspection requirements. This inspection has determined that the design, construction, operation, and maintenance of the Landfill is in accordance with generally accepted engineering standards.

Gary J. Leonards, P.E.

Name

30568

LA

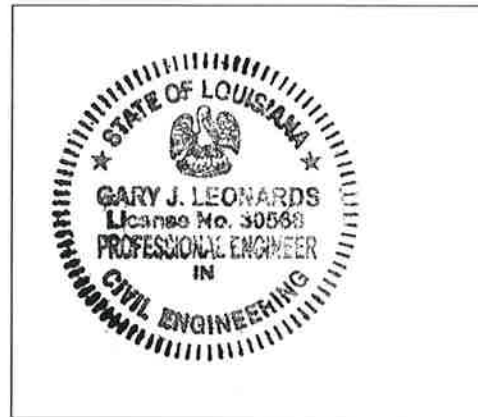
Registration No.

State

Signature

1/18/23

Date



(Seal)

This inspection was conducted to assess the general overall condition of the landfill, identify visible deficiencies, and recommend areas for monitoring, and corrective actions. The inspection is based only on visible features/areas of the landfill 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.