

CLECO POWER LLC

DOLET HILLS POWER STATION



CCR ANNUAL INSPECTION

FLY ASH/SCRUBBER SLUDGE LANDFILL

DECEMBER 2021

Providence Engineering and Environmental Group LLC
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Providence Project No: 002-292



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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:		James C. Van Hoof, P.E.	
Company:		Providence Engineering & Environmental Group LLC	
Date of Inspection:		12/11/2019	
Weather at Time of Inspection:		Sunny, Cool	
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.</p>			
1.0 GENERAL INFORMATION			
Owner Contact:	Kaleb Atkins	Phone:	318-682-8562
Plant Manager:	Marty Robinson	Phone:	318-682-8523
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:	19,153,500 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.)	Small brush near Cell 9 area needs to be removed.
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 and dead vegetation on western slope needs to be corrected.
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.
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: November 12, 2021

Landfill

Direction:

Easterly

Comments:

Several erosion and dead zone areas along western slope that need to be corrected.



Landfill

Direction:

Southeasterly

Comments:

Access ramp.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Northerly

Comments:

Southern slope showing terraces.



Landfill

Direction:

Westerly

Comments:

Eastern exterior slope showing discharge opening for upper elevation inlet piping.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Easterly

Comments:

Western exterior slope. Discharge opening for upper elevation inlet piping.



Landfill

Direction:

Easterly

Comments:

Western slope of Cell 9 area needs to have small bushes removed.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Easterly

Comments:

Eastern slope of landfill.



Landfill

Direction:

Southeasterly

Comments:

Working face of the landfill.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Easterly

Comments:

Storm water drainage ditch on north side of cell 11 that drains to the landfill runoff pond.



Landfill

Direction:

Southerly

Comments:

Storm water overflow inlet that drains to the landfill runoff pond.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Easterly

Comments:

Drop inlet structure on crown of landfill cap.



Landfill

Direction:

Southerly

Comments:

Upper elevation flat crown area.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: November 12, 2021

Landfill

Direction:

Westerly

Comments:

Cell 11 area.



Landfill

Direction:

Southerly

Comments:

Storm water drainage ditch on east side of cell 11 that drains to the landfill runoff pond.



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.

James C. Van Hoof

Name

24630

Registration No.

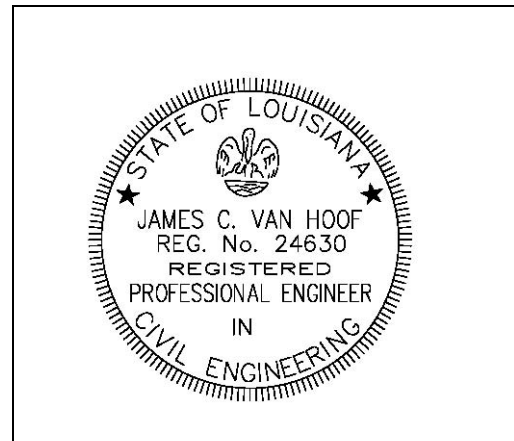
LA

State

Signature

12/29/2021

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.