

ANNUAL CCR LANDFILL INSPECTION:			
Facility Name:		Cleco Dolet Hills Power Station	
Address:		963 Power Plant Rd. Mansfield, LA	
Landfill Name :	Dolet Hills Landfill	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:		12/14/2016	
Weather at Time of Inspection:		Cloudy, 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>			
GENERAL			
Owner Contact:	Anna Hanna	Phone:	318-682-8562
Plant Manager:	Pat Dupuy	Phone:	318-682-8525
Landfill Status:	Operational	Year Built:	1986
Latitude:	32° 00.77' N	Longitude:	93° 34.27' W
Landfill Size:	109 acres		
Approximate Volume of CCR Stored in Landfill at Time of Inspection:		18,600,000 cubic yards	

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?	Repaired erosion areas on landfill slopes
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

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.)	Rills along approximately 3 acres on closed cap area on the west side slope.
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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe (type of vegetation, size, location, etc.)	
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. The rills on approximately 3 acres of the closed cap on the west side slope must be smoothed and reseeded.
Other observations on the exterior slopes:	None

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

DOCUMENTATION REVIEW:	
Weekly Inspections Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Findings:	Repaired erosion on side slopes. Rills noted on side slopes.
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
If yes, describe (size, location, etc.)	Cell 11 comprised of approximately 9 acres was completed and certified to accept waste on the north end of the landfill.
Other observations:	None

Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 14, 2016

Landfill

Direction:

Easterly

Comments:

Western side slope.



Landfill

Direction:

Southeasterly

Comments:

Access ramp.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 14, 2016

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: December 14, 2016

Landfill

Direction:

Easterly

Comments:

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



Landfill

Direction:

Southerly

Comments:

Western exterior slope showing storm water drainage ditch.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 14, 2016

Landfill

Direction:

Easterly

Comments:

Rills on the western slope of most recent cap closure needs to be corrected.



Landfill

Direction:

Southerly

Comments:

Working face of the landfill.



Site Name: Dolet Hills Power Station – Landfill

Site Location: Mansfield, DeSoto Parish, LA

Date: December 14, 2016

Landfill

Direction:

Westerly

Comments:

Storm water drainage ditch on edge of working face of landfill 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: December 14, 2016

Landfill

Direction:

Easterly

Comments:

Drop inlet structure on crown of landfill cap.



Landfill

Direction:

Northerly

Comments:

Upper elevation flat crown area.



**CLECO DOLET HILLS POWER STATION
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

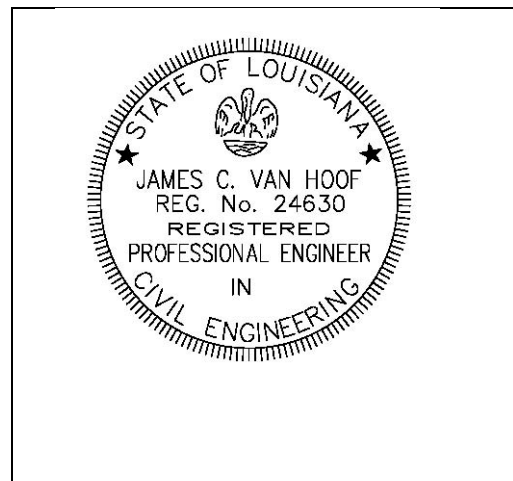
State

James C. Van Hoof, P.E.

Signature

1-13-2017

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.