

# 2015 ANNUAL ENGINEERING INSPECTION REPORT

# ENTERGY WHITE BLUFF PLANT CLASS 3N LANDFILL

PERMIT NO. 0199-S3N-R3 AFIN: 35-00110

# ENTERGY WHITE BLUFF PLANT CLASS 3N LANDFILL 2015 ANNUAL ENGINEERING INSPECTION REPORT

PERMIT NO. 0199-S3N-R3 AFIN: 35-00110

### Prepared for

Entergy White Bluff Plant 1100 White Bluff Road Redfield, AR 772132

Prepared by

FTN Associates, Ltd. 3 Innwood Circle, Suite 220 Little Rock, AR 72211

FTN No. R06040-0991-001

### PROFESSIONAL ENGINEER'S CERTIFICATION

This report on the annual engineering inspection of the Entergy White Bluff Plant Class 3N Landfill and supporting documentation was prepared under the direction and supervision of a qualified, State of Arkansas-registered Professional Engineer. Mr. Jason Ghidotti, PE, of FTN Associates, Ltd. (FTN), was responsible for the overall preparation of this report. The report has been prepared to fulfill the requirements of §257.84(b). Based on the inspection of the landfill facility and review of available landfill documents the design, construction, operation, and maintenance of the landfill is generally consistent with recognized and generally accepted good engineering standards.





Jason Ghidotti, PE, Arkansas License No. 10031

01 - 15 - 2016 Date

## **TABLE OF CONTENTS**

PROFI	ESSION	NAL ENGINEER'S CERTIFICATION	i
1.0	INTRO	DDUCTION	. 1-1
	1.1	Purpose of Report	. 1-1
	1.2	White Bluff Power Plant Information	. 1-1
	1.3	Permit History	. 1-2
2.0	LAND	FILL LAYOUT	. 2-1
	2.1	Existing Conditions of Landfill	. 2-1
	2.2	Changes Made to Landfill Configuration During Reporting Period	. 2-2
3.0	WAST	E VOLUME CALCULATIONS	. 3-1
4.0	ASSES	SSMENT OF LANDFILL FACILITY	. 4-1
	4.1	General Operations	. 4-1
	4.2	Landfill Cover System	. 4-2
	4.3	Leachate Collection System	. 4-2
	4.4	Stormwater Control System	. 4-3
	4.5	Facility Roads	. 4-3
	4.6	Fugitive Dust Control	. 4-3
		LIST OF APPENDICES	
APPE	NDIX A NDIX B NDIX C	3: Copies of Weekly Landfill Inspections	
		LIST OF TABLES	
Table 2	2.1	Construction summary of White Bluff Plant Class 3N Landfill	.2-2
Table 3	3.1	Summary of waste volume calculations	.3-2

### 1.0 INTRODUCTION

### 1.1 Purpose of Report

The purpose of this report is to document the annual inspection of the Entergy White Bluff Landfill facility in accordance with 40 CFR §257, Subpart D - Disposal of Coal Combustion Residuals From Electric Utilities (the CCR Rule). In particular, the report has been prepared to comply with §257.84(b), which requires an inspection to be conducted by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the landfill is consistent with recognized and generally accepted good engineering standards.

The report includes the following:

- Information on the current layout of the landfill,
- Waste volume estimates for the amount of waste contained in the landfill and remaining disposal capacity, and
- An assessment of the landfill including structural integrity and overall operations with respect to the CCR Rule and the facility permit requirements.

### 1.2 White Bluff Power Plant Information

The Plant is located on the west bank of the Arkansas River, near Redfield in Jefferson County, Arkansas, as shown on Figure 1 (all figures are located in Appendix A). The 3,400-acre site is situated on a bluff overlooking the relatively flat alluvial plain east of the Arkansas River.

The Plant generates electricity through the combustion of coal and has been in operation since 1981. Coal combustion by-products (residues) (CCRs) that are generated during the electrical generation process are disposed in the onsite landfill. The ash is generally segregated into two categories, "fly" and "bottom."

Approximately 80% of the ash produced is classified as fly ash, which is derived from the boiler exhaust gas and is collected in electrostatic precipitators. The fly ash is composed of very fine particles similar to glass and has the consistency of a powder. Collected fly ash is pneumatically transferred to silos for short-term storage. A subcategory of the fly ash is known as economizer ash. This material is the coarsest fraction of the fly ash, which drops out before

the electrostatic precipitators, and represents approximately 2% of the total ash production. The Plant collects this material in a separate silo system.

The remaining 18% of coal ash produced from the combustion of coal is comprised of bottom ash, which is composed of angular, glassy particles with a porous surface texture and has the consistency of coarse sand. The bottom ash is sluiced to dewatering hoppers for removal of water and for storage.

Historically, approximately 60 to 70 % of the two types of ash have been marketed regionally to construction-related industries. The remaining amount of ash is placed in the onsite landfill for disposal. The amount placed in the Landfill varies from year to year, but the average for the past 5 years is approximately 100,000 cubic yards (cy).

### 1.3 Permit History

The Landfill was initially issued a permit in 1982 by the Arkansas Department of Pollution Control and Ecology (now the Arkansas Department of Environmental Quality [ADEQ]) and has received three permit modifications to date. The facility permit history is as follows:

- 1. In October 1982, Chem-Ash, Inc. (Chem-Ash), the onsite landfill contractor which managed coal ash sales and landfill disposal operations for Arkansas Power & Light (AP&L), was granted a permit (No. 199-S) from the Arkansas Department of Environmental Quality ((ADEQ) to construct and operate a solid waste disposal facility at the White Bluff Plant (Entergy Arkansas, Inc. became AP&L's successor in interest as of April 1996).
- 2. In March 1983, ADEQ granted, among other provisions, a permit modification request to transfer the landfill permit from Chem-Ash to AP&L and revised the permit number to 199-SR-1.
- 3. In June 1984, AP&L submitted an application for permit modification requesting operational changes and other provisions to include an increase of the permitted landfill area from 110 acres to 177 acres, with 153 acres for waste disposal. ADEQ granted the permit modification request in September 1985. The permit number was revised to 199-SR-2.

- 4. Entergy Arkansas submitted a permit modification application to the ADEQ-SWMD to upgrade the Landfill to Arkansas Regulation No. 22 (Regulation No. 22) standards in December 1997. The ADEQ issued the permit November 2000.
- 5. Entergy Arkansas submitted a minor permit modification in April 2011 and the ADEQ approved the request in May 2011 to reconfigure the waste disposal areas into five disposal cells, which is the current landfill configuration.

### 2.0 LANDFILL LAYOUT

### 2.1 Existing Conditions of Landfill

The permitted landfill area consists of approximately 177 acres (153 acres for solid waste disposal) and is located in the southwestern portion of the plant site as shown on Figure 2.

The current layout of the Landfill includes a total of 5 disposal cells and has a permitted waste capacity of approximately 4,688,200 cubic yards (cy). Waste Cells 1 through 3 have been constructed and comprise the active disposal area of the Landfill that received CCR materials after October 19, 2015. Waste Cell 4 is under construction and is expected to be completed in January 2016.

Construction of the disposal cells has followed the numerical sequence of the cell numbers. Cells 1 through 3 are existing landfill CCR units and will be operated in accordance with requirements of the CCR Rule. Waste Cell 4 is being constructed in accordance with Regulation No. 22 Class 3N landfill standards (i.e., 2-ft thick compacted clay liner with a hydraulic conductivity of no more than 1 x 10<sup>-7</sup> cm/sec and a leachate collection system). Construction on the cell began prior to October 19, 2015 and will be operated as an existing CCR landfill.

No final cover system has been installed on Waste Cells 1 through 3. As shown on Figure 2, older portions of the landfill facility that received CCR material prior to the issuance of the 2000 permit have been closed and covered in accordance with the original facility permit (1982). These areas did not receive CCR after October 2015.

Table 2.1 presents a summary of the disposal cells that have been constructed at the White Bluff Landfill.

Cell Number	Year Built	Year Closed	Final Cover System	Status
1	2005	N/A	N/A	Open
2	2007	N/A	N/A	Open
3	2010	N/A	N/A	Open
4	2015/2016	N/A	N/A	Under construction

Table 2.1. Construction Summary of White Bluff Plant Class 3N Landfill

### 2.2 Changes Made to Landfill Configuration During Reporting Period

The facility began construction of a new 6.5-acre waste cell, Cell 4, at the beginning of October 2015. As shown on Figure 2, Cell 4 is located south of Cell 3 and west of Cell 2. Utilization of the new cell will eventually allow waste to be placed at higher elevations in the adjacent cells, increasing the operational capacity of those cells.

Cell 4, currently under construction, was designed with a 24-inch thick compacted clay liner with 1 x 10<sup>-7</sup> cm/sec maximum permeability and a leachate collection and transmission system. Additionally, new collection lines will be installed in the existing Cell 3, which does not currently have leachate collection. These new collection lines will be connected to the new Cell 4 leachate collection system, which has been designed to handle leachate from both cells.

The landfill manager that works for the contracted landfill management company, Headwaters Resources, Inc. (HRI), reported additional improvements during the year including repairs to slopes exhibiting rills and gullies, cleaning stormwater ditches, washing and collecting resulting material from paved roads and constructing barrier walls around the truck loading/silo area.

To prepare for the new CCR rule, HRI and Entergy Arkansas staff that are responsible for the landfill facility were trained on conducting weekly inspections, copies of which are included in Appendix A. The inspections began in October 2015 in accordance with the CCR Rule. It appears that the inspections were done by the same inspector from HRI during October, November and December. It is recommended that the inspector be alternated and inspections reviewed by all necessary personnel.

### 3.0 WASTE VOLUME CALCULATIONS

The landfill facility has been surveyed annually since 1996. Each year's survey is compared to the previous year to compute the amount of CCR disposed. The current survey is also compared to the permitted top of waste elevations to determine remaining capacity, or airspace. Additionally, the current survey is compared to an estimated "operational" top of waste to determine the remaining operational capacity. The operational top of waste is the maximum disposal elevation that can be achieved within the open cells while maintaining the required 4:1 exterior and 3:1 interior slopes along with a top width sufficient for disposal activities. If additional operational capacity is needed, construction of an adjacent disposal cell will be required.

Disposal rates for the facility are calculated using the average of the disposal rates from the five most recent years. Disposal rates depend upon CCR production at the plant and sales of the ash. These can vary significantly year to year based upon the current economic climate, weather, and how much the plant is operational.

For the reporting year of 2015, the active disposal areas of the landfill were surveyed on March 14, 2015, and again on December 22, 2015, a period of nine months. A comparison of surface models developed from these surveys as well as the operational top of waste is summarized in Table 3.1, below. As opposed to previous years where the facility used around 100,000 cubic yards of airspace, the landfill had a net gain in airspace during 2015. Current disposal activities resulted in a net removal of approximately 11,100 cubic yards of ash from the active disposal area.

Table 3.1 Summary of waste volume calculations.

Cell Number	Status	Area (ac)	ADEQ Permitted Waste Capacity (cy)	2015 Volume Placed* (cy)	Total Volume Placed (cy)	Operational Remaining Disposal Capacity (cy)	Operational Remaining Life (years)
Cell 1	Active	6.0	307,500	-13,100	182,800	95,700	1.0
Cell 2	Active	9.0	712,100	13,300	386,500	59,300	0.6
Cell 3	Active	9.4	557,200	-11,300	269,700	147,500	1.5
Totals		24.4	1,576,800	-11,100	839,000	302,500	3.1

<sup>\*</sup> Volume cut or filled during the 9-month period between March and December 2015.

The 5-year average disposal rate, including 2015, is approximately 96,500 cubic yards per year, in-place. At this rate, the calculated available airspace, 302,000 cubic yards, provides less than 3 years of remaining operation capacity. Completion of Cell 4 will increase the available airspace to 1,120,000 cubic yards or approximately 11 years of remaining operation capacity.

### 4.0 ASSESSMENT OF LANDFILL FACILITY

This section of the report provides a summary of the inspection of the White Bluff Landfill facility that was conducted on December 16, 2015. The assessment included an interview with the landfill operating company (HRI) personnel and Entergy personnel, review of weekly inspections of the facility, review of documents pertaining to the operation and compliance of the landfill, and an onsite inspection of the landfill facility. Copies of the Weekly Inspection Reports are included in Appendix B. Photographs of the site inspection are included in Appendix C.

### 4.1 General Operations

The operator uses Cell 1 for production of a product named "flex-base". CCR materials including bottom-ash and fly-ash are stockpiled, blended to make the "flex-base" and loaded to trucks in this area. Active disposal was conducted primarily in the Cell 2 and Cell 3 areas.

The side-slopes of the landfill are generally at the required 4:1 external and 3:1 interior slope requirements. The slopes in the larger Cells 2 and 3 are set back from the landfill perimeter berm. This allows stormwater runoff from the slopes to be collected and routed to the cell discharge points. Cell 3, as noted in Section 2.2, is currently being modified to discharge leachate to Cell, 4 which contains a leachate collection system.

The elevated disposal areas are surrounded by berms to reduce effects of wind, as described in Section 4.7 below. It appears that these berms have been raised as the level of ash in the active areas rises. This has created steeper slopes near the top of the side slopes of the landfill. These were noted to the landfill manager who will regrade the affected upper slopes as soon as they can be accessed without damaging the clay perimeter berm and liner system.

No tension cracks, seeps, or other features that indicate a potential slope failure were observed during the site inspection. In addition, no active seeps were noted.

The general operations of the landfill facility are being done in a safe manner and the overall maintenance of the facility is in good condition.

### 4.2 Landfill Cover System

As noted, no final cover system has been installed on Waste Cells 1 through 3. However, as shown on Figure 2, older portions of the landfill facility that received CCR material prior to the issuance of the 2000 permit have been closed and covered in accordance with the original facility permit (1982). Figure 3 presents contours for the currently permitted final cover system.

All three active cells remain open. Interim cover soil has not been placed on any of the existing side slopes. The landfill manager plans to begin installation of interim cover on the north and east slopes of the landfill in the Spring of 2016. A large quantity of soil has been stockpiled near the landfill during previous construction projects for this purpose.

### 4.3 Leachate Collection System

Waste Cells 1 through 3 do not have leachate collection systems. Cells 1 and 2 are graded to drain to the southeast corner of Cell 2 where leachate discharges to an adjacent stormwater channel, as required by the 2000 permit under which they were constructed. Similarly, Cell 3 drains to the southwest corner of the cell and discharges to an adjacent stormwater channel, as required by the 2000 permit.

Cell 4, currently under construction, was designed with leachate collection and transmission systems. Additionally, new collection lines are being installed along the west and south sides of the existing Cell 3, which does not currently have leachate collection. These new collection lines will be connected to the new Cell 4 leachate collection system, which has been designed to handle leachate from both cells. Once complete, an automated pumping system will remove the Cell 3 and Cell 4 leachate from a sump in the southwest corner of Cell 4. The leachate will be pumped via a dual-contained underground pipeline and discharged to the plant's Surge Pond.

Leachate from the landfill is currently discharged to stormwater channels that combine and discharge to the plant's Surge Pond. Water from the Surge Pond goes to the clay-lined Coagulation Sedimentation Ponds, thence to the Clear Water Pond. Overflows from the Clear Water Pond go the Arkansas River, as noted in Section 4.4, below.

### 4.4 Stormwater Control System

Stormwater at the landfill site flows south and then east to the plant Surge Pond. To prevent run-on, a lined stormwater channel was constructed along the north side of the landfill, routing stormwater east or west around the landfill. Additionally, clay perimeter berms prevent both run-on and run-off, except at designated discharge points as described in Section 4.3.

The White Bluff plant is permitted to discharge stormwater to the Arkansas River under NPDES Permit No. AR0036331, as issued by the ADEQ effective June 1, 2012. Ash disposal runoff is listed as a potential constituent of discharges from Outfall 002, overflow from the plant Clear Water Holding Pond. Discharges, when they occur, are monitored daily for total suspended solids (TSS), oil and grease (O&G), total iron, total copper and pH. Discharges, if they occur, are also monitored quarterly for E-coli and require acute WET testing.

### 4.5 Facility Roads

The facility roads were well maintained at the time of the inspection. The disposal access road to the active cells is paved, and it was in excellent condition at the time of the inspection. The perimeter access road has an all-weather surface course and was in good condition.

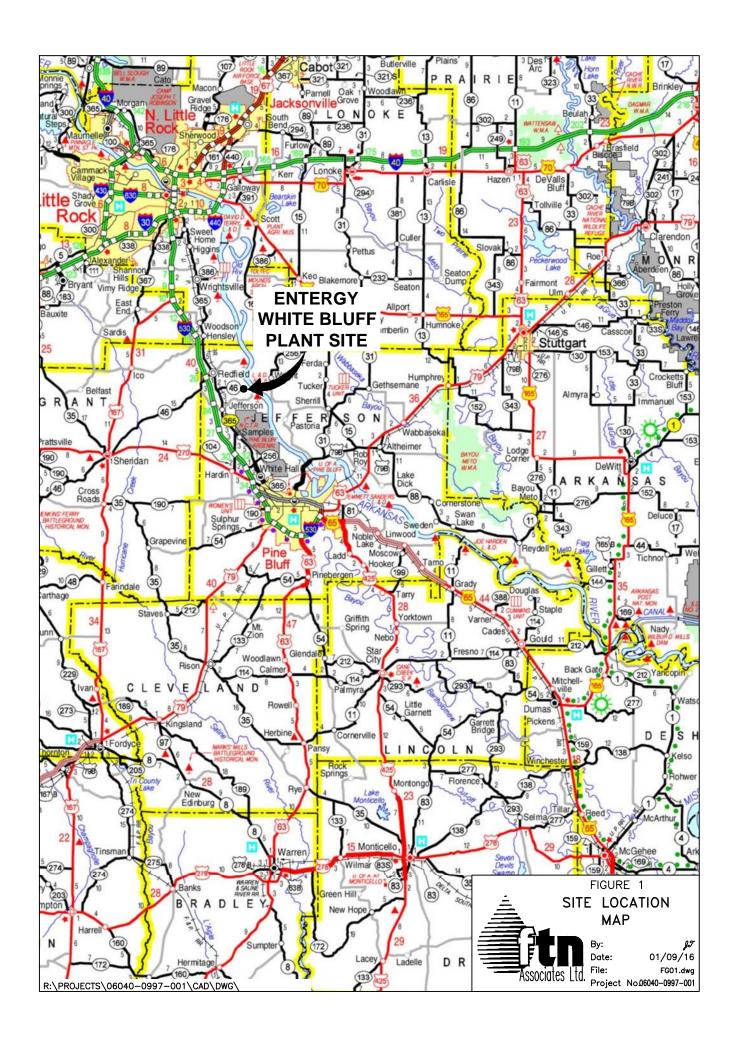
### 4.6 Fugitive Dust Control

The facility is operated as outlined by the CCR Fugitive Dust Control Plan, prepared in October 2015.

The landfill was not actively disposing of CCR during the December site visit. Fly ash is transported to the landfill and dumped using bottom-dump trailers to minimize fugitive dust issues. Bottom ash, in a moist condition, is hauled to the landfill using dump trucks. Economizer ash is loaded to covered dump truck prior to transfer to the landfill. A windsock is used to visually gauge wind direction and intensity. Water is applied, when necessary, for dust suppression on roads and the landfill using a water truck. The landfill access roads have enforced posted speed limit of 25 mph. Within the landfill boundary, a 5 mph speed limit is enforced.



Figures











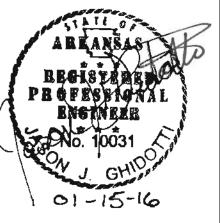


# BLUFF ENTERGY

DRAWN BY:	FILE NAME:
ggs	FG02.DWG
APPROVED:	PROJECT NO.
PWC	06040-0997-001
SCALE:	DATE:
1" = 100'	01/09/16
SHEET NO.	OF 1







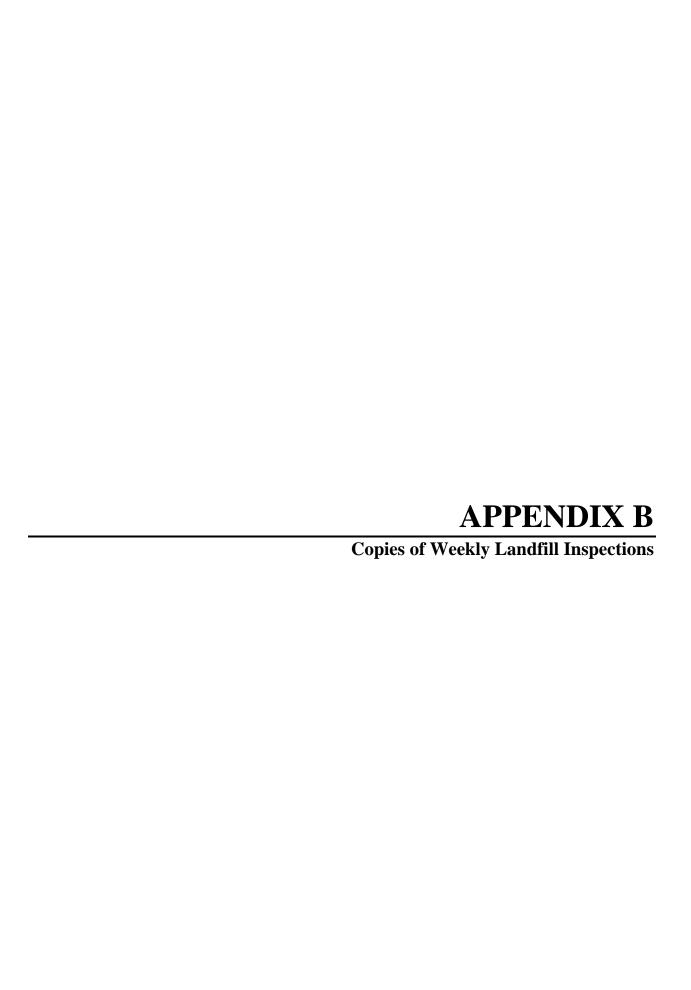
NSPECTION REPORT

Y WHITE BLUFF ASS 3N LANDFILL

CLASS 3N LANE
2015 ANNUAL ENGINEERNG INS

PERMITTED TOP OF FINAL COVER

RAWN BY:	FILE NAME:
ggs	FG03.DWG
PPROVED:	PROJECT NO.
PWC	06040-0997-001
CALE:	DATE:
1" = 100'	01/09/16
HEET NO. <b>1</b>	OF 1



Entergy Facility: White Bluff

## **WEEKLY LANDFILL INSPECTION**

### Instructions:

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues

<ul><li>Use addition</li><li>Following intergy States</li></ul>	onal sheets as necessary inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environmental Analyst and ate Lead
Inspected by: $\angle$	Must be performed by a qualified person per 257.84(a)(1)]
	[Must be performed by a qualified person per 257.84(a)(1)]
Inspection Date	: 10-:20-15
	[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]
1 Any and	pearances of an actual or potential structural weakness of the CCR unit, in addition to any
existing	conditions that are disrupting or have the potential to disrupt the operation and safety
	CCR unit?[Inspection criteria per 257.84(a)(1)(i)]
a.	Any signsofslidingorsloughingofthesoillayeror waste material
·	thatmightindicateaslopefailure?
	No
•	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
	ì
	Recommended Corrective Action/Responsible Party:
- -	Recommended corrective rection, responsible 12-13.
	A
	Engineer Approval of Corrective Action (if required):
	Corrective Action Completed:
	[Sign and Date]
b.	Any signs of tension or other types of cracks or separation at the surface or slopes?  No
	<del>-</del>
	Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:

Entergy Facility: White Bluff

c.

d.

Inspection Date: 10 -20 - 15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

Recommended Corrective Action and Responsi	ble Party:
· · · · · · · · · · · · · · · · · · ·	
Engineer Approval of Corrective Action (if requ	ired):
and the standard	[Sign and Date]
Corrective Action Completed:	[Sign and Date]
	[Sign and Pate]
Any signs of erosion from storm water runoff of	or damage to stormwater control facilities
(e.g. ditches, culverts, berms, and letdowns)?  ☑ No	
☐ Yes (if yes, make photographs, describe an	d recommend a corrective action)
Location/Comments:	
Recommended Corrective Action and Respons	ible Party:
Engineer Approval of Corrective Action (if requ	uirod):
Engineer Approval of Corrective Action (in requ	[Sign and Date]
Corrective Action Completed:	<u> </u>
No	[Sign and Date]
Any signs of burrowing or tunneling mammals  No	that could lead to stability issues?
☐ Yes (if yes, make photographs, describe ar Location/Comments:	
	·
B	ible Deuts.
Recommended Corrective Action and Respons	Sible Party:

e.

f.

Inspection Date: $10-20-19$	
(Inspection interval must not exceed 7 days per 257.84(a)(1)(i	)]

Engineer Approval of Corrective Action	(if required):	
Corrective Action Completed:	[Sigh and Sate]	
CONTROLLY COMPAGE TO THE TENTE OF THE TENTE	[Sign and Date]	
system (i.e., check pump and control paleaks, assess outlet)?  Monocontrol paleaks, assess outlet)?	ues with the leachate collection and transmission and transmission line to see if there are a cribe and recommend a corrective action)	on any
Location/Comments:		
totalibry comments:		
. ,		
Passemmanded Corrective Action and F	Responsible Party:	
	Acaponisia ( dray)	
•		
	·	
· · · · · · · · · · · · · · · · · · ·	<i>y</i>	
Engineer Approval of Corrective Action	n (if required):	
	[Sign and Date]	
Corrective Action Completed:	[Sign and Date]	
erosion, ponded water, settlement, lea	1	
	scribe and recommend a corrective action)	
Location/Comments:		-
1		
Recommended Corrective Action and	Responsible Party:	
<u> </u>		
Curing on Apparent of Connective Action	n (if required):	
Engineer Approval of Corrective Action	n (if required):	
Corrective Action Completed:		
,	[Sign and Date]	

Entergy Facility: White Bluff

Inspection Date: 10-20-15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

2.	Were there any issues or recommended corrective actions from the previous weekly inspection
	eft to address?
	☑ No
	$\square$ Yes (if yes, follow-up on any corrective actions taken)
	Comments:

÷

# WEEKLY LANDFILL INSPECTION

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues

Provide deta	etailed description or losses.	Facility Environmental Analyst and
<ul> <li>Use addition</li> </ul>	ional sheets as necessary	100mg
<ul> <li>Following in</li> </ul>	etailed description of locality in the control of t	
Entergy Stal	tate Lead	•
	Midden	
Inspected by:	11 Sman Dry	; 
inspected by-, _/	[Must be performed by a qualified person per 257.84(a)[1]]	
	1. 1. 1.	
Inspection Date	e: 10 - 1	
	flushertion interval must not exceed 7 days per 257.64(4)-773	
	opearances of an actual or potential structural weakness of the	e CCR unit, in addition to any
1 Any app	opearances of an actual or potential structural weakies or properties or potential to disrupting or have the potential to disrupting or ha	pt the operation and safety
existing	ig conditions that are disrupting of have the potential	` 
of the C	CCR unit?(Inspection criteria per 257.84(a)(1)(1))	
. a.	in a foliding arclaughing of the soil layer or waste material	
	thatmightindicateaslopefailure?	
· `		· · · · · · · · · · · · · · · · · · ·
	E No	a corrective action)
• •	☐ Yes (if yes, make photographs, déscribe and recommend	8 8
1 4 5 7	Location/Comments:	
*	200 August 1997	
,		
,		
· 1	Recommended Corrective Action/Responsible Party:	
	The state of the s	
\$		
- ,		
	The same of the sa	
	Engineer Approval of Corrective Action (if required):	The state of the s
	[Sign and Date]	<b>]</b>
	Corrective Action Completed:	
	Corrective Action Completed. [Sign and Date	
1.		
· \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. Any signs of tension or other types of cracks or separation	at the surface or slopes?
' ' b.	. Any signs of tension or other types of cracks of separation of	ac the santas
	D No	
	☐ Yes (if yes, make photographs, describe and recommen	d a corrective action)
4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	Location/Comments:	
•		
<u>.</u>		
:		

Recommended Corrective Action and Responsible Party: \_\_\_\_ Engineer Approval of Corrective Action (if required): [Sign and Date] Corrective Action Completed: \_\_\_ [Sign and Date] Any signs of erosion from storm water runoff or damage to stormwater control facilities (e.g. ditches, culverts, berms, and letdowns)? □ No ☐ Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Party: Engineer Approval of Corrective Action (if required): Corrective Action Completed: d. -Any signs of burrowing or tunneling mammals that could lead to stability issues?  $\square$  Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: \_ Recommended Corrective Action and Responsible Party:

[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

Entergy Facility: Engineer Approval of Corrective Action (if required): [Sign and Date] Corrective Action Completed: [Sign and Date] e. Any signs of damage or operational issues with the leachate collection and transmission system (i.e., check pump and control panel, walk transmission line to see if there are any leaks, assess outlet)? ☑ No  $\square$  Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Parfy: Engineer Approval of Corrective Action (if required): Corrective Action Completed: [Sign and Date] If applicable, any signs of damage or operational issues with the final cover system erosion, ponded water, settlement, leachate seeps, and vegetation? No No ☐ Yeş (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Party:

Engineer Approval of Corrective Action (if required):

, el e

Corrective Action Completed:

[Sign and Date]

[Sign and Date]

Entergy Facility: White Bluff.

2.

Inspection Date: 10 - 27 - 15.
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

Were t	here any issu	es or recomn	nended corre	ective act	tions fr	om the p	revious we	ekly insp	ection
	address?						-		
@ N	0	*							
□ Ye	es (if yes, follo	w-up on any	corrective a	ctions tal	ken)				
Comm	ents:						<del></del>		
	: "		_						
									1
		<del> </del>						·	
				;			;		
	1 1				<del></del>				_
					,		1		

Entergy Facility: White Bluff

### WEEKLY LANDFILL INSPECTION

### Instructions:

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary.

	g inspection, send electronic copy of Inspection For State Lead	m and any attachments to Entergy facility	y Environmental Analyst and
(manage and buy	Norman Bi	4	
Inspected by:	(Must be performed by a qualified person per 25)	783481(1))	
Inspection Dat	e: 1/- 3- 1/25		
•	(Inspection Interval must not exceed 7 days per 2	57.84(a)(1)(i)] ·	
1. Any ar	pearances of an actual or potential st	ructural weakness of the CCR	unit, in addition to an
	g conditions that are disrupting or hav	•	
	- CCR_unit?{Inspection criteria per 257.84(a)(1)(i))	•	
· a.	Any signsofslidingorsloughingofthese	oillayeror waste material	
	thatmightindicateaslopefailure?		
	D No	<u> </u>	· · ·
-	☐ Yes (if yes, make photographs,, d	éscribe and recommend a con	rective action)
: :	Location/Comments:		
; ; <u>\$</u>			
			<u> </u>
,	<u> </u>		
÷			
	Recommended Corrective Action/Re	sponsible Party:	
-	· · · · · · · · · · · · · · · · · · ·	*	
· S	<u> </u>		
; ;			
- · · · · · · · · · · · · · · · · · · ·			
	Engineer Approval of Corrective Action	on (if required): (Sign and Date)	·
	Corrective Action Completed:	[Sign with Date]	
		[Sign and Date]	1 - 1
; .; b.	Any signs of tension or other types of	f cracks or separation at the su	rface or slopes?
	· ☑ No		
	☐ Yes (if yes, make photographs, de	escribe and recommend a corre	ective action)
	Location/Comments:		
			<del></del> .
*			<del></del>
	1 1		· · ·
		·	

Inspection Date: 11-3-15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i))

Recommended Corrective Action and	Responsible Party:
·	
Engineer Approval of Corrective Action	n (if required):
	(Sign and Date)
Corrective Action Completed:	
	(Sign and Date)
Any signs of erosion from storm water	runoff or damage to stormwater control facilitie
(e.g. ditches, culverts, berms, and letd	owns)?
LA No	
· · ·	cribe and recommend a corrective action)
Location/Comments:	
	:
	<u> </u>
Recommended Corrective Action and I	Responsible Party:
<b>.</b> .	
( ; )	1
·	
Engineer Approval of Corrective Action	ı (if required):
	(Sign and Date)
Corrective Action Completed:	
	(Sign and Date)
	and the stand food to etablish icruar?
	ammals that could lead to stability issues?
☑ No	and the second section with the section of the sect
the state of the s	cribe and recommend a corrective action)
ocation/Comments:	
	· · · · · · · · · · · · · · · · · · ·
	<u> </u>
Recommended Corrective Action and F	Responsible Party:
	<u> </u>
	•

Entergy Facility: While Blyff

Inspection Date: 1/3-/5
[Inspection Interval must not exceed 7 days per 257.84(a)(1)(i)]

Any signs of damage or operational issues w system (i.e., check pump and control panel,	(Sign and Date)  ith the leachate collection and transmis:
system (i.e., check pump and control panel,	ith the leachate collection and transmis
leaks, assess outlet)?  No	walk transmission line to see if there are
☐ Yes (if yes, make photographs, describe o	and recommend a corrective action)
1	
Education softments.	
	\
Recommended Corrective Action and Respon	nsible Parfy:
	1310101 0137
If applicable, any signs of damage or operation of the company of	onal issues with the final cover system - seeps, and vegetation?
No No	
☐ Yes (if yes, make photographs, describe o	and recommend a corrective action)
Location/Comments:	
	211.18-1-1
Recommended Corrective Action and Respon	nsible Party:
i i	
	ماله مينيي
Engineer Approval of Corrective Action (if re-	aurea);

2.

Inspection Date: 11 - 3 - 15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(l))]

Were	there any iss	ues or recom	mended co	rrective ac	tions from th	ne previous we	ekly inspecti	on	
left to	address?								
□ No							• •		
☐ Yes (if yes, follow-up on any corrective actions taken)									
Comm	ents:								
	<i>;</i>								
							,		
			_						
						1			
	: `	1 2		-					
	ì		_		(	ł			

### WEEKLY LANDFILL INSPECTION

### instructions:

- Inspection applies to CCR Rule affected CCR units or cells only ø
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary
- d any attachments to Entergy facility Environmental Analyst and

	ng inspection, seint electronic copy of hispection Point and any art I State Lead	CACHINES TO CHEES A LOCKED TO CHEE	,
to our attend have	Norman Brix	97	
Inspected by:	[Must be performed by a qualified person per 257.84(a)(1)]		
	11-10-15		$\vdots$
Inspection Da	(Inspection Interval must not exceed 7 days per 257.84(a)(1)(f)	<u>.                                    </u>	· -
. '			Same Annual Samuel
	ppearances of an actual or potential structural w		
	g conditions that are disrupting or have the pot	ential to disrupt the operat	ion and safety
of the	CCR unit?(inspection criteria per 257.84(a)(1)(i))	, , , , , , ,	•
· a.	Any signs of sliding or sloughing of the soil layer or	waste material	
<u>.</u>	thatmightindicateaslopefailure?		
- ,	Ø No		Wakian l
	☐ Yes (lif yes, make photographs, déscribe an	nd recommend a corrective	action)
` \	Location/Comments:		
		<del></del>	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
<i>'</i>	Recommended Corrective Action/Responsible	Darty:	
	Recommended Corrective Action/Responsible	raity.	
· .			, , , ,
	21/2010 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20		
1 1	Engineer Approval of Corrective Action (if requ	rired):	<u> </u>
·		[Sign and Date]	
·	Corrective Action Completed:		
, s. 450 , 4.5		[Sign and Date]	forest en
1 13	A series of basis or other types of analysis	constrain at the surface of	r clones?
	Any signs of tension or other types of cracks or	Sebaration at the source of	·
,*	© No	d account and a corrective a	etion)
	Yes (if yes, make photographs, describe and	a recommena a corrective a	: :
-	Location/Comments:	<u>. · </u>	<u> </u>
. <u>.</u>		1. 41. 47. 4	
	4 2 4	. 3	
			- 4

		1.5			•
Recommend	ded Corrective Action	and Respons	ible Party:		-
				,	
					_
	-	<b>;</b>			
Engineer App	proval of Corrective A	ction (if requ	ired):		
			[Sign and Date]		
Corrective Ac	tion Completed:		[Sign and Date]		
			failith and narel		
Anv signs of e	erosion from storm w	rater runoff o	r damage to s	tormwater co	ontrol facili
	culverts, berms, and	•			. :
No	, ,	r.t		• •	
• •	s, make photographs,	· describe and	l recommend	a corrective a	iction)
ocation/Com			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
ocation, com			:		•
				,	-
•					٠ .
	<del></del>		<u> </u>	<u> </u>	
ecommende	d Corrective Action a	nd Responsib	le Party:		2-
ecommende	d Corrective Action a	nd Responsib	le Party:		
ecommende	d Corrective Action a	nd Responsib	le Party:		
	d Corrective Action a	}			
ngineer Appr	oval of Corrective Ac	tion (if requir			
ngineer Appr		tion (if requir	ed):		
ngineer Appr	oval of Corrective Ac	tion (if requir	ed):		
ngineer Approrrective Acti	oval of Corrective Ac	tion (if requir	ed):	to stability is:	sues?
ngineer Approrrective Acti	oval of Corrective Action Completed:	tion (if requir	ed):	to stability is	sues?
ngineer Approrrective Actions of buildings o	oval of Corrective Action Completed:	tion (if requir	ed):		
ngineer Approrrective Actions of but No Yes (if yes,	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed):		
ngineer Approrrective Actions of but No Yes (if yes,	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed):		
ngineer Approrrective Actions of but No Yes (if yes,	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed):		
ngineer Approrrective Actions of but No Yes (if yes,	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed):		
ngineer Approrrective Action	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed):		
ngineer Approrrective Actions Signs of but No Yes (if yes, ocation/Comm	oval of Corrective Action Completed:  urrowing or tunneling  make photographs, o	tion (if requir	ed): [Sign and Date] (Sign and Date] at could lead		

Entergy Facility:\_

d.

Entergy Facility: White (inspection interval must not exceed Engineer Approval of Corrective Action (if required): [Sign and Date] Corrective Action Completed: (Sign and Date) e. Any signs of damage or operational issues with the leachate collection and transmission system (i.e., check pump and control panel, walk transmission line to see if there are any leaks, assess outlet)? 12 No ☐ Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Party: Engineer Approval of Corrective Action (if required): Sign and Date] Corrective Action Completed: [Sign and Date] If applicable, any signs of damage or operational issues with the final cover system erosion, ponded water, settlement, leachate seeps, and vegetation? [Z] No [] Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Party:

Engineer Approval of Corrective Action (if required):

Corrective Action Completed: \_

(Sign and Date)

(Sign and Date)

Entergy Facility: While Blygg

Inspection Date: 1/-/0 - 20/5
[Inspection interval must not exceed 7 days per 257.84(a)(1)(1)]

2.	Were th	ere any issu	es or recom	nmended co	orrective act	tions from	the previo	us wee	kly ins	pection
۲.	left to a	ddress?	· .							
	☐ Yes	(if yes, follo	ow-up on an	ny corrective	e actions tal	ken)				
	Commer	nts:					<del> </del>	<del>-</del>		
								<u>.</u>	· .	_
		- <del></del>		•	4			<u>.</u>		
	· · ·		3'		• • •					
,		7			· ·				<u> </u>	

### WEEKLY LANDFILL INSPECTION

### instructions:

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary following inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environmental Analyst and

	State Lead
Inspected by:	norman Brixa
:	[Must be performed by a qualified person per 257.84(\$\(\frac{1}{2}\)(1)]
Lucy and an Dob	11-17-2015
Inspection Dat	[Inspection Interval must not exceed 7 days per 257.84(a)(1)(i)]
1. Any ap	pearances of an actual or potential structural weakness of the CCR unit, in addition to any
	g conditions that are disrupting or have the potential to disrupt the operation and safety
of the	ECR unit? (Inspection criteria per 257.84(a)(1)(l))
a.	Any signsofslidingorsloughingofthesoillayeror waste material
\$ T	thatmightindicateaslopefailure?
	® No
· · ·	☐ Yes (if yes, make photographs, déscribe and recommend a corrective action)
2 (X) (2) (3) (4) (4)	Location/Comments:
· · · · · · ·	
-	
j	
	Recommended Corrective Action/Responsible Party:
* , '	A CONTRACT OF THE PARTY OF THE
- 🛴	
1 1	Engineer Approval of Corrective Action (if required):
-	(Sign and Date)
	Corrective Action Completed:
	(Signature Society)
4 4	Any signs of tension or other types of cracks or separation at the surface or slopes?
D.	
* *,	No
	Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
1 4 ¥	
-	

Recommended Corrective Action and Responsible Party: \_\_\_ Engineer Approval of Corrective Action (if required): \_\_\_ (Sign and Date) Corrective Action Completed: \_ (Sign and Date) Any signs of erosion from storm water runoff or damage to stormwater control facilities (e.g. ditches, culverts, berms, and letdowns)? D No ☐ Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: Recommended Corrective Action and Responsible Party: Engineer Approval of Corrective Action (if required): (Sign and Date) Corrective Action Completed: [Sign and Date] Any signs of burrowing or tunneling mammals that could lead to stability issues? Mo No  $\square$  Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: \( \) Recommended Corrective Action and Responsible Party: \_

Entergy Facility:	Inspection Date: 11-17-2015- [Inspection interval must not exceed 7 days per 257.84[a](1)[1]
-	Engineer Approval of Corrective Action (if required):
	(Sign and Date)  Corrective Action Completed:
	[Sign and Date]
e.	Any signs of damage or operational issues with the leachate collection and transmission system (i.e., check pump and control panel, walk transmission line to see if there are any leaks, assess outlet)?
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
. '	And the second s
-	
	Recommended Corrective Action and Responsible Party:
	Engineer Approval of Corrective Action (if required):  [Sign and Date]  Corrective Action Completed:
	[Sign and Date]
. / / /	If applicable, any signs of damage or operational issues with the final cover system - erosion, ponded water, settlement, leachate seeps, and vegetation?  No
	Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
,	Recommended Corrective Action and Responsible Party:
·	
· · · ·	
,	Engineer Approval of Corrective Action (if required):  [Sign and Date]  Corrective Action Completed:
	[Sign and Date]

Entergy Facility: Lilito Buff

Inspection Date: 11-17-20/5
[Inspection interval must not exceed 7 days per 257.84(a)(1)(1)]

2.	Wer	re ther	e any issue	es or rec	ommer	nded c	orrective a	ctions fro	m the I	orevio	us we	eekly ir	Ispectio	n
	left to address?													
	$\sqcup$	☐ No ☐ Yes (if yes, follow-up on any corrective actions taken)												
,		Yes (i	f yes, follo	w-up on	any co.	rrectiv	re actions t	aken) ့						
	Com	ments	3.											_
•			7											_
						•		-			_			
					<b></b>									
					_									_
			,		_			·		<del></del>				_
			<del>- ,</del>				-		-		•			
				· -										_

## **WEEKLY LANDFILL INSPECTION**

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary Following inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environmental Analyst and

Entergy	State Lead	
Inspected by:	[Must be performed by a qualified person per 257.84(a)(1)]	
	[Must be performed by a qualified person per 237.84[a](1)]	
Inspection Dat	te: $11 - 24 - 15$	÷
	(Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]	
. 1 Any ar	ppearances of an actual or potential structural weakness of the CCR unit,	in addition to an
	ng conditions that are disrupting or have the potential to disrupt the oper	
		ation and salety
	CCR Unit?{inspection criteria.per 257.84(a)(1)(i)]	•
· a.	Any signsofslidingorsloughingofthesoillayeror waste material	*
•	thatmightindicateaslopefailure?	· · · · · · · · · · · · · · · · · · ·
	E No	
-	☐ Yes (if yes, make photographs, déscrîbe and recommend a correctiv	re action)
:	Location/Comments:	* * * * * * * * * * * * * * * * * * * *
		ż. Ż
• -		
•	<u></u>	
, - \	•	
· ·	Recommended Corrective Action/Responsible Party:	
*2		•
<i>f 1</i>		
: :	Engineer Approval of Corrective Action (if required):	
	[Sign and Date]	<del>_</del>
	Corrective Action Completed:	
	[Sign and Date]	
		-
, b.	Any signs of tension or other types of cracks or separation at the surface	or slopes?
-	₽ No	
	☐ Yes (if yes, make photographs, describe and recommend a corrective	e action)
	Location/Comments:	, 200,011,
	Location/ Continients.	
		<del>.</del>
		<del>_</del>

[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)] Recommended Corrective Action and Responsible Party: Engineer Approval of Corrective Action (if required): \_\_\_ [Sign and Date] Corrective Action Completed: \_\_\_\_ (Sign and Date) Any signs of erosion from storm water runoff or damage to stormwater control facilities (e.g. ditches, culverts, berms, and letdowns)? ☐ No ☐ Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: \_\_ Recommended Corrective Action and Responsible Party: \_\_ Engineer Approval of Corrective Action (if required): (Sign and Date) Corrective Action Completed: - [Sign and Date] . d. Any signs of burrowing or tunneling mammals that could lead to stability issues? ☑ No ☐ Yes (if yes, make photographs, describe and recommend a corrective action) Location/Comments: · Recommended Corrective Action and Responsible Party: \_\_\_

Entergy Facility: White Blad Inspection Date: [Inspection Inter

Inspection Date: //- 24- /5
[Inspection Interval must not exceed 7 days per 257.84(a)(1)(i)]

	Engineer Approval of Corrective Action (if required):  [Sign and Date]
	Corrective Action Completed:
	{Sign and Date}
e. <sub>.</sub>	system (i.e., check pump and control panel, walk transmission line to see if there are an leaks, assess outlet)?  ☑ No
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
	Recommended Corrective Action and Responsible Party:
	,
•	
	Engineer Approval of Corrective Action (if required):
	Corrective Action Completed:
f.	If applicable, any signs of damage or operational issues with the final cover system - erosion, ponded water, settlement, leachate seeps, and vegetation?  No
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)  Location/Comments:
٠.	Location, Comments.
<sup>-</sup>	Recommended Corrective Action and Responsible Party:
	Engineer Approval of Corrective Action (if required):
	[Sign and Date]
	Corrective Action Completed:

Entergy Facility: White Blull Inspection Date: 1/-24-15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

2.	Were there any issues or recommended corrective actions from the previous weekly inspection									
	left to address?									
	Ø No									
	Yes (if yes, follow-up on any corrective actions taken)									
	Comments:									
	<u> </u>	<u> </u>								
	<u> </u>									
	<u> </u>	· ;								
	1	i								

Entergy Facility: White Bluff

## WEEKLY LANDFILL INSPECTION

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary

	ng inspection, send electronic copy of Inspection Fo State Lead	rm and any attachments to Entergy facili	ity Environmental Analyst and
Inspected by:	Mormon Bi	rijey.	
	(Must be performed by a qualified person per 25	57.84(a)(1))	
Inspection Dat	ie: 12 - 1 - 1 . 2015 (Inspection interval must not exceed 7 days per	257.84(a)(1)(i)]	
			Lunit in addition to an
	opearances of an actual or potential s g conditions that are disrupting or ha		
	CCR unit?[Inspection criteria per 257.84(a)(1)(I)	•	operadon and savety
01 116	Any signsofslidingorsloughingofthes	1	
· α.	thatmightindicateaslopefailure?	omayer or waste material	<b>*</b>
	P No	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	
-	☐ Yes (if yes, make photographs, c	déscribe and recommend a col	rrective action)
	Location/Comments:	eseribe aria recommend o	
; ;			1
· '		<u> </u>	
,	Recommended Corrective Action/Re	esponsible Party:	
-	* · · · · · · · · · · · · · · · · · · ·	<u>/ /                                  </u>	· · · · · · · · · · · · · · · · · · ·
			_ <del>· · · ·</del>
., ,			
	Engineer Approval of Corrective Acti	ion (if required):	
	Computation Computation	(Sign and Date)	$\int_{\mathbb{R}^{n}} \left  - \int_{\mathbb{R}^{n}} f \left( - \int_{R$
	Corrective Action Completed:	[Sign and Date]	
7		( (o.g., and 5002)	
i	Any signs of tension or other types of	of cracks or separation at the s	urface or slopes?
	☑ No		
•	☐ Yes (if yes, make photographs, d	escribe and recommend a corr	ective action)
	Location/Comments:	, , ,	,
,			
2		\ _ \ \ \ \ \	
			; 1

Inspection Date: 12-1-20/4
[Inspection Interval must not exceed 7 days per 257.84(a)(1)(i))

Comment of Acti			(Sign and D	ate]		
Corrective Actio	n completed: _	<u>.</u>	(Sìgn and Da	ate]		
Any signs of dam system (i.e., cherleaks, assess out	ck pump and co let)?	ontrol panel	, walk transmi	ssion line t	o see if the	re are an
☐ Yes (if yes, m	nake photo <b>gr</b> ap	hs, describe			ctive action	)
Location/Comme	ents:	1		ı		-
- V				<u> </u>	<u> </u>	
<u> </u>			```		•	<u>;</u>
Recommended 0	 Corrective Actio	n and Respo	onsible Party:			
					<u> </u>	
	<u> </u>	,	. ,			
Corrective Action  If applicable, any erosion, ponded	signs of damag	ge or operat		th the fina	cover syst	em -
E No	· · ·		, , ,	7.0		. •
☐ Yes (if yes, m	ake photograpi	hs, describe	and recomme	nd a correc	tive action,	
Location/Comme				<del>'</del>	·	
		<u> </u>		<u> </u>	r	<del>-</del>
		· · ·	<u>.</u>	· ·		
		<u> </u>		<u> </u>		
<del></del>	· · ·	<u> </u>	<u>*</u>		<u></u>	
Recommended C		n and Respo		<del>:</del> `,	( , ! ,	,
	<u>.</u>			· · ·	·····	
		· · · · · · · · · · · · · · · · · · ·				
Engineer Approva	al of Corrective	Action (if re	equired):			
Corrective Action	Completed: _		Total - 15 -			

Entergy Facility: White Bloom

Inspection Date: 12-1-2015 [Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

	Vere there any issues or recommended cor	rective actions from the s	previous weekly inspection
2. \	were there any issues of tecommons.		
I	eft to address?		•
-	Z) No		
Ì	Yes (if yes, follow-up on any corrective	actions taken)	•
. (	Comments:		
•			
-			
-		<u> </u>	
-			
_			

Entergy Facility: White Blist

## WEEKLY LANDFILL INSPECTION

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary

	ng inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environm State Lead	iental Analys	t and
Inspected by:	Normon Brixey		
•	(Must be performed by a qualified person per 257.84(a)(4)		
Inspection Dat	te: 12 - 8 - 20 15 [Inspection Interval must not exceed 7 days per 257.84(a)(1)(i)]		
	ppearances of an actual or potential structural weakness of the CCR unit, in		
existin	ng conditions that are disrupting or have the potential to disrupt the operati	on and sa	₃fety
of the	CCR unit?[Inspection criteria.per 257.84(a)(1)(i)]		
· a.	Any signsofslidingorsloughingofthesoillayeror waste material	,	
	thatmightindicateaslopefailure?	es es	٠.
	☑ No		7.
	☐ Yes (if yes, make photographs, déscribe and recommend a corrective o	action)	
	Location/Comments:	. į:	<u> </u>
	Location Confinences.	}	1
			<del></del> -
-			
1		<del></del>	<u>.</u>
. :	Recommended Corrective Action/Responsible Party:		
		•	
Žį.	<del>`</del> <del>`</del>	• •	
I = I		<del> :</del>	<u> </u>
- '	Engineer Approval of Corrective Action (if required):		
	[Sign and Date]	; ;	
	Corrective Action Completed:	<del></del>	
	[Sign and Date]	•	
) b.	Any signs of tension or other types of cracks or separation at the surface o	rsiopesr	
-	☐ No		•
	☐ Yes (if yes, make photographs, describe and recommend a corrective a	ction)	
	Location/Comments:		
e di vi			
ı			

ď.

Inspection Date: 12 - 8 - 2015 [Inspection interval must not exceed 7 days per 257.84(a)(1)(1)]

Recommended Corrective Action and Respon	sible Party:
,	
Engineer Approval of Corrective Action (if req	uired):
	[Sign and Date]
Corrective Action Completed:	[Sign and Date]
	(Sign and Dave)
Any signs of erosion from storm water runoff	or damage to stormwater control facilitie
(e.g. ditches, culverts, berms, and letdowns)?	
₽ No	
☐ Yes (if yes, make photographs, describe an	d recommend a corrective action)
Location/Comments:	
	· · · · · · · · · · · · · · · · · · ·
	<u> </u>
	<del> </del>
Recommended Corrective Action and Respons	ible Party:
Recommended Corrective Action and Respons	
	<u> </u>
	<u> </u>
Engineer Approval of Corrective Action (if requ	ired):
Eußtrieet Abbrosal of Corrective Action (II Léda	ired):(Sign and Date)
Corrective Action Completed:	The state of the s
	(Sign and Date)
Any signs of burrowing or tunneling mammals t	that could lead to stability issues?
☑ No	
☐ Yes (if yes, make photographs, describe and	I recommend a corrective action)
Location/Comments:	
1	
Recommended Corrective Action and Responsil	hio Party:
Recottituelinen Collective Action and Responsi	Die Faity
*	

Mite Bluff	Inspection Date: 12-8-2015 Inspection Date: 12-8-2015
Mile 1) My	Inspection Date:
Suringer Approval of Corrective Acti	ion (if required):
	(Sign and Date)
Corrective Action Completed:	[Sign and Date]
a of damage or operational	issues with the leachate collection and transmis
system (i.e., check pump and contro	of panel, walk transmission line to see if there are
leaks, assess outlet)?	
No	describe and recommend a corrective action)
Yes (if yes, make photographs, a	describe and recommend a corrective action)
Location/Comments:	
	nd Responsible Party:
<b>'</b> • ,	
, , , , , , , , , , , , , , , , , , , ,	
the state of the s	
Engineer Approval of Corrective Act	tion (if required):
Corrective Action Completed:	[Sign and Date]
and the second of	or operational issues with the final cover system
erosion, ponded water, settlement	, leachate seeps, and vegetation?
[7] No.	
☐ Yes (if yes, make photographs,	describe and recommend a corrective action)
Location/Comments:	
Recommended Corrective Action a	
Engineer Approval of Corrective A	ction (if required):
and the second s	[Diff. and pare]

[Sign and Date]

Entergy Facility: Whit Bluff

17-4-2016

Inspection Date: 12-9-20 15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

2.	Were there any issues or recommended corrective actions from the previous weekly inspection left to address?									
	☑ No									
!	☐ Yes (if yes, follow-up on any corrective actions taken) .  Comments:	:								

Entergy Facility: While B luff

## WEEKLY LANDFILL INSPECTION

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary
- Following inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environmental Analyst and

Entergy	State Lead
	$\Omega$ · $\Omega$ ·
Inspected by:	Morman Drexon
,	[Must be performed by a qualified person per 257.84(a)(1)]
Inamantian Dat	12-15-2015
Inspection Dat	[inspection interval must not exceed 7 days per 257.84(a)(1)(i)]
<ol> <li>Any ap</li> </ol>	ppearances of an actual or potential structural weakness of the CCR unit, in addition to any
existin	g conditions that are disrupting or have the potential to disrupt the operation and safety
of the	CCR unit?[Inspection criteria per 257.84(a)(1)(i)]
<b>a</b> .	Any signsofslidingorsloughingofthesoillayeror waste material
•	thatmightindicateaslopefailure?
	CP No
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
	· · · · · · · · · · · · · · · · · · ·
	Recommended Corrective Action/Responsible Party:
	· · · · · · · · · · · · · · · · · · ·
	<u> </u>
	Engineer Approval of Corrective Action (if required):
	[Sign and Date]  Corrective Action Completed:
	(Sign and Date)
	(Sign and Date)
h	Any signs of tension or other types of cracks or separation at the surface or slopes?
	IZ No
	Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:

y: <i>[</i> /	Inspection Date: Inspection interval must not exceed 7 days per 257.84(a)(1)(i)
	[Inspection line value and concerns and a series of the se
	Recommended Corrective Action and Responsible Party:
	Accommended confession and a separate and a separat
	Engineer Approval of Corrective Action (if required):
	(Sign and Date)
	Corrective Action Completed:
	[Sign and Date]
-	eg l
C.	Any signs of erosion, from storm water runoff or damage to stormwater control faciliti
	(e.g. ditches, culverts, berms, and letdowns)?
	✓ No
-	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
	Recommended Corrective Action and Responsible Party:
	Engineer Approval of Corrective Action (if required):
-	(Sign and Date)
	Corrective Action Completed:
<u>.</u>	[Sign and Date]
_	Any signs of burrowing or tunneling mammals that could lead to stability issues?
d.	Any signs of buffowing of turnering maintains that could lead to stability issues.
	<del>-</del>
	Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:
	Recommended Corrective Action and Responsible Party:

Entergy Facility: White Bluff

Inspection Date: 12-15-2015
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

Engineer Approval of Corrective Action	on (if required):
	[Sign and Date]
Corrective Action Completed:	
·	[Sign and Date]
Any signs of damage or operational is	ssues with the leachate collection and transmission
	panel, walk transmission line to see if there are an
leaks, assess outlet)?	
☐ No	
	escribe and recommend a corrective action)
Location/Comments.	· · · · · · · · · · · · · · · · · · ·
·	•
Decreased Compating Action and	d Daguagaila)a Dagus
	d Responsible Party:
	· · · · · · · · · · · · · · · · · · ·
Engineer Approval of Corrective Action	On (IT required):
Corrective Action Completed:	
corrective Action completed.	[Sign and Date]
•	
	operational issues with the final cover system -
erosion, ponded water, settlement, le	eachate seeps, and vegetation?
P Nó	
☐ Yes (if yes, make photographs, de	escríbe and recommend a corrective action)
Location/Comments:	
	<u></u>
Recommended Corrective Action and	I Responsible Party:
	'
•	
Engineer Approval of Corrective Action	on (if required):
Zingcc. Approvation confective Action	[Sign and Date]
Corrective Action Completed:	
· -	[Sign and Date]

Entergy Facility:	white	Bloff

Inspection Date: 12-15-2015
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

2.	Were there any issues or recommended corrective actions from the previous weekly inspection left to address?						
	<ul> <li>✓ No</li> <li>✓ Yes (if yes, follow-up on any corrective actions taken)</li> </ul>						
	Comments:						

Entergy Facility: White Blyff

# WEEKLY LANDFILL INSPECTION

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary.

	ng inspection, send electronic copy of Inspection Form and any attachments to Entergy facility Environmental Analyst and State Lead	3
inspected by:	12-22-15 Jamon Brigar (Must be performed by a qualified person per 257.84(a)(1))	
Inspection Dat		
existin of the	opearances of an actual or potential structural weakness of the CCR unit, in addition to a grant of the conditions that are disrupting or have the potential to disrupt the operation and safet CCR unit?(Inspection criteria per 257.84(a)(1)(i))	
. a.	Any signsofslidingorsloughingofthesoillayeror waste material thatmightindicateaslopefailure?  No	
	☐ Yes (if yes, make photographs,, déscribe and recommend a corrective action)  Location/Comments:	
		_
	Recommended Corrective Action/Responsible Party:	
ā.		
;		_
·	Engineer Approval of Corrective Action (if required):  (Sign and Date)	
	Corrective Action Completed:(Sign and Date)	τ,
<b>b.</b>	Any signs of tension or other types of cracks or separation at the surface or slopes?  No	
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)  Location/Comments:	_
-		<u>-</u>

Entergy Facility: White Bluff

d.

Inspection Date: 12-22-15
[Inspection Interval must not exceed 7 days per 257.84(a)(1)(i)]

Engineer Approval of Corrective Action (if required):  [Sign and Date]  Corrective Action Completed:  [Sign and Date]  Any signs of erosion from storm water runoff or damage to stormwater control facilit (e.g. ditches, culverts, berms, and letdowns)?
Engineer Approval of Corrective Action (if required):  [Sign and Date]  Corrective Action Completed:  [Sign and Date]  Any signs of erosion from storm water runoff or damage to stormwater control facilit
[Sign and Date]  Corrective Action Completed:  [Sign and Date]  Any signs of erosion from storm water runoff or damage to stormwater control facilit
[Sign and Date]  Corrective Action Completed:  [Sign and Date]  Any signs of erosion from storm water runoff or damage to stormwater control facilit
[Sign and Date]  Any signs of erosion from storm water runoff or damage to stormwater control facilit
Any signs of erosion from storm water runoff or damage to stormwater control facilit
<u>.</u> .
· · · · · · · · · · · · · · · · · · ·
E No
☐ Yes (if yes, make photographs, describe and recommend a corrective action)
Location/Comments:
· · · · · · · · · · · · · · · · · · ·
Recommended Corrective Action and Responsible Party:
·
Engineer Approval of Corrective Action (if required):
. [Sign and Date]
Corrective Action Completed:
(Sign and Date)
Any signs of burrowing or tunneling mammals that could lead to stability issues?
El No
☐ Yes (if yes, make photographs, describe and recommend a corrective action)
•
Location/Comments:
· · · · · · · · · · · · · · · · · · ·
Recommended Corrective Action and Responsible Party:

	Engineer Approval of Corrective Action (if required):
	(Sign and Date)
	Corrective Action Completed:
	(agn and pare)
e.	Any signs of damage or operational issues with the leachate collection and transmission
	system (i.e., check pump and control panel, walk transmission line to see if there are an
	leaks, assess outlet)?
	E No
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
	Location/Comments:,
ţ	2565001, 653, 111.01.053,
	Recommended Corrective Action and Responsible Party:
	The second of th
٠	Engineer Approval of Corrective Action (if required):
	Corrective Action Completed:
	[Sign and Date]
f.	If applicable, any signs of damage or operational issues with the final cover system -
	erosion, ponded water, settlement, leachate seeps, and vegetation?
•	No ·
	☐ Yes (if yes, make photographs, describe and recommend a corrective action)
•	Location/Comments:
´ ·	·
٠. ٠	Recommended Corrective Action and Responsible Party:
	· ·
	,
	Engineer Approval of Corrective Action (if required):
	[Sign and Date]
	Corrective Action Completed:
	(Sign and Date)

Entergy Facility: White Bly

Inspection Date: 13-33-15
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i))

	and a corrective actions from the previous weekly inspection
2.	ere there any issues or recommended corrective actions from the previous weekly inspection
	ft to address?
	No No
	Yes (if yes, follow-up on any corrective actions taken)
	omments:
ι	

Entergy Facility: While Bluff

## **WEEKLY LANDFILL INSPECTION**

- Inspection applies to CCR Rule affected CCR units or cells only
- Provide detailed description of location, site sketches, and pictures of any noted deficiencies or issues
- Use additional sheets as necessary
- Following inspection, send electronic copy of inspection Form and any attachments to Entergy facility Environmental Analyst and Entergy State Lead

cutergy 30	rate reau
Inspected by: _	Jash Meyer  [Must be performed by a qualified person per 257.84(a)(1)]
Inspection Date	e: 12-29:/5 (Inspection interval must not exceed 7 days per 257.84(a)(1)(i))
existing of the (	pearances of an actual or potential structural weakness of the CCR unit, in addition to any g conditions that are disrupting or have the potential to disrupt the operation and safety CCR unit?(Inspection criteria per 257.84(a){1}(i))  Any signsofslidingorsloughingofthesoillayeror waste material thatmightindicateaslopefailure?  No  Yes (if yes, make photographs, describe and recommend a corrective action)  Location/Comments:  Recommended Corrective Action/Responsible Party:
b.	Engineer Approval of Corrective Action (if required):  [Sign and Date]  Corrective Action Completed:  [Sign and Date]  Any signs of tension or other types of cracks or separation at the surface or slopes?  No  Yes (if yes, make photographs, describe and recommend a corrective action)  Location/Comments:

Recommended Corrective Action and Responsible Party:

Recommended Corrective Action and Responsible Party:

[Sign and Date]

(Sign and Date)

Engineer Approval of Corrective Action (if required):

Corrective Action Completed:

2.

Inspection Date:
[Inspection interval must not exceed 7 days per 257.84(a)(1)(i)]

Were there any issues or recommended of	corrective ac	tions from t	he previous v	veekly insp	pection
left to address?					
<b>⊡</b> No					
☐ Yes (if yes, follow-up on any corrective	ve actions ta	ken)			
Comments:					
		•			
	<u>'.</u>			,	
		•			
<i>*</i>	7	·			1

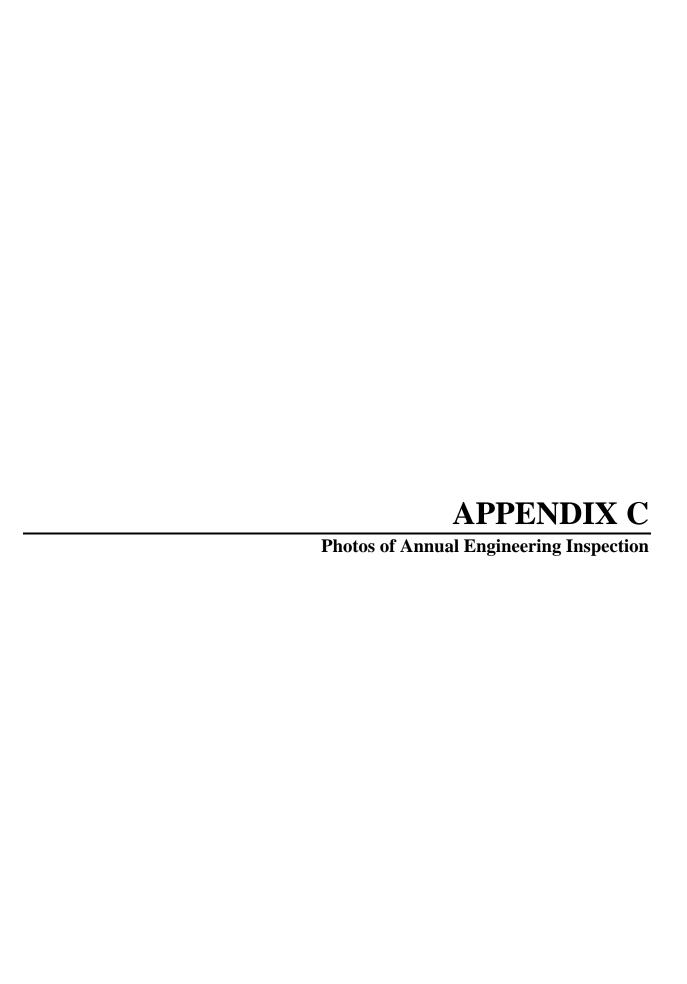




Photo 1: Top of Cell 1



Photo 2: Perimeter berm, top of Cell 2



Photo 3: Access road from East



Photo 4: North slope of Cells 1 and 3, from top



Photo 5: Stormwater drainage ditch, east slope of Cells 1 and 2



Photo 6: North slope of Cell 3 and perimeter berm from North



Photo 7: Riprap lined letdown, southwest of Cell 3