

2015 ANNUAL ENGINEERING INSPECTION REPORT

PLUM POINT ENERGY STATION CLASS 3N LANDFILL

PERMIT NO. 0303-S3N AFIN: 47-00461

JANUARY 15, 2016

PLUM POINT ENERGY STATION CLASS 3N LANDFILL 2015 ANNUAL ENGINEERING INSPECTION REPORT

PERMIT NO. 0303-S3N AFIN: 47-00461

Prepared for

Plum Point Services Company, LLC 2732 County Road 623 Osceola, AR 72370

Prepared by

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

FTN No. R14590-1102-001

January 15, 2016

PROFESSIONAL ENGINEER'S CERTIFICATION

This report on the annual engineering inspection of the Plum Point Energy Station 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

Date

TABLE OF CONTENTS

PROF	FESSIO	NAL ENGINEER'S CERTIFICATION	i
1.0	INTR	ODUCTION	1-1
	1.1	Purpose of Report	1-1
	1.2	Plum Point Energy Station Information	1-1
	1.3	Permit History	1-3
2.0	LAN	DFILL LAYOUT	
	2.1	Existing Conditions of Landfill	
	2.2	Changes Made to Landfill Configuration During Reporting Period	
3.0	WAS	TE VOLUME CALCULATIONS	
4.0	ASSE	ESSMENT OF LANDFILL FACILITY	
	4.1	General Operations	
	4.2	Landfill Cover System	
	4.3	Leachate Collection System	
	4.4	Stormwater Control System	
	4.5	Facility Roads	
	4.6	Fugitive Dust Control	

LIST OF APPENDICES

APPENDIX A:	Figures
APPENDIX B:	Copies of Weekly Landfill Inspections
APPENDIX C:	Photos of Annual Engineering Inspection

LIST OF TABLES

Tuble 5.1 Dullinding of waste volume calculations

1.0 INTRODUCTION

1.1 Purpose of Report

The purpose of this report is to document the annual inspection of the Plum Point Energy Station (the Plant) landfill facility in accordance with *§257, Subpart D - Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments* (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 Plum Point Energy Station Information

The Plum Point Services Company, LLC (PPSC) Plum Point Energy Station (the Plant, PPES) Class 3N Landfill (the Landfill) is located in Mississippi County, approximately 2 miles southeast of Osceola, Arkansas. The 245-acre solid waste management facility is located within the Plant boundaries. The location of the facility is shown on Figure 1 (all figures are located in Appendix A). The site is characterized by flat terrain and is situated within the Mississippi River floodplain. The Plant is located in an agricultural and industrial area.

PPSC is the owner of the landfill facility but uses a contractor to operate the Landfill for disposal of CCR materials generated at the Plant and general maintenance of the landfill facility.

The Plant generates electricity through the combustion of coal, which produces CCR materials that are captured through the facility air emission control systems and placed in the

onsite landfill. The CCRs consist of bottom ash, economizer ash, fly ash, and coal pulverizer rejects.

The bottom ash is the coarsest fraction of the coal ash and is collected in a water-filled trough beneath the steam generation furnace. Bottom ash is composed of angular, glassy particles with a porous surface texture and has the consistency of coarse sand. Coal pulverizer rejects are periodically sluiced to the collection trough beneath the boiler furnaces along with the bottom ash. The economizer ash is the heavier fraction of fly ash and is collected in hoppers and is periodically transferred via dry flight conveyors to a submerged flight conveyor that carries the bottom ash, economizer ash, and coal pulverizer rejects to a concrete basin called the "Bottom Ash Stockout Area." The collected materials are periodically loaded into haul trucks and taken to the Landfill.

The largest fraction of the CCR material generated from the coal combustion process is fly ash. The fly ash is composed of very fine particles similar to glass and has the consistency of a powder. The plant has a fly ash collection system that captures dry air heater ash and dry scrubber ash in a series of fabric filter and air heater hoppers. The collected material is conveyed to a large silo, which is periodically unloaded into haul trucks and transferred to the Landfill.

The Plant air emission controls include a dry Flue Gas Desulfurization (FGD) system and an activated carbon injection system. The FGD system is designed to cool down the flue gas and remove sulfur dioxide and particulate matter from the gases emitted from the coal-fired boiler. This is accomplished by a chemical reaction using a slurry of calcium hydroxide with the flue gases, while simultaneously allowing the hot flue gases to dry the reaction products (calcium sulfite, calcium sulfate, calcium chloride, and calcium fluoride). The dry reaction products are collected with the fly ash materials in a fabric filter hopper system. The activated carbon injection system removes mercury from the gases emitted from the coal-fired boiler. The mercury combines chemically with powdered activated carbon and is removed in the same filter system as the fly ash and dry scrubber ash.

The used FGD lime slurry is collected and reused within the FGD system. The retained solids are containerized and periodically transported to the Ash Containment Area, and then to the onsite landfill.

1-2

Water is pumped from the Mississippi River and clarified to become either cooling tower makeup water or service water for plant use. The sludge generated from this process is conveyed to a filter press where the solids are containerized and periodically transported to the onsite landfill. The filtrate from this process is pumped back to the clarifiers for treatment.

Although it varies greatly, the Plant generates approximately 500,000 tons of fly ash, bottom ash, and filter cake per year, of which approximately 85% is fly ash, 10% is bottom ash, and 5% is filter cake. The amount placed in the Landfill also varies from year to year, but the average for the past 5 years is approximately 150,000 cubic yards (cy), in-place volume.

The permitted landfill area is located west of the plant site as shown on Figure 2. The landfill is permitted to have 12 disposal areas, varying in size from 15 to 9 acres.

1.3 Permit History

In July 2001, Genesis Environmental Consulting, Inc. (GEC) submitted an application on behalf of Plum Point Energy Associates, LLC, to the Arkansas Department of Environmental Quality (ADEQ) for a solid waste disposal facility at the PPES. In October 2002, ADEQ issued a solid waste permit (0303-S3N) to construct and operate the proposed Class 3N facility.

Prior to construction of the landfill, GEC submitted a minor permit modification application in November 2005 to revise the final landfill grading plan, stormwater control plan, bottom grading plan, earthwork balance calculations, and Construction Quality Assurance (CQA) Plan. The application also included the request for an alternative bottom liner design. ADEQ requested the inclusion of a leachate collection system and Terracon Consultants, Inc. (which had purchased GEC) submitted revised permit documents in July 2006. ADEQ approved the minor permit modification in September 2006. Cell 1 of the landfill and the western stormwater pond were constructed in 2008. The Plant and the Landfill began operation in March 2010.

Since beginning operation, the landfill constructed an adjacent cell, Cell 3, in 2014 and began placing waste in the new cell in 2015.

2.0 LANDFILL LAYOUT

2.1 Existing Conditions of Landfill

The PPES Class 3N Landfill is approximately 173 acres in size and has been designed to have 12 waste disposal cells (Figure 1, Appendix A). Cells 1 through 10 are about 15 acres in size with approximate dimensions of 1,000 ft by 660 ft. Cells 11 and 12 are narrower and smaller than the remaining cells to accommodate a potential archeological concern located east of the Landfill. Cell 11 is about 9.6 acres (450 ft by 1,000 ft) and Cell 12 is about 10.8 acres (500 ft by 1,000 ft). The permitted disposal capacity (air space) is 22,400,000 cubic yards.

The Landfill has been designed to meet Arkansas Pollution Control and Ecology Commission Regulation No. 22 standards. The bottom of the Landfill is divided to slope north or south to leachate collection sumps. The elevation of the bottom varies from 245 ft National Geodetic Vertical Datum (NGVD) in the center of the Landfill to 230 ft NGVD at the collection sump. The final surface of the Landfill has 4:1 (horizontal to vertical) slopes up to elevation 335 ft NGVD and then slopes at 5% to elevation 365 ft NGVD (Figure 3).

The bottom liner system for Waste Cells 1 and 3 were prepared in accordance with the 2002 permit for the facility (i.e., 12-inch minimum thickness compacted clay liner with a maximum hydraulic conductivity of 1 x 10^{-7} cm/sec, a 60-mil HDPE liner and a leachate collection system).

No final cover system has been installed on Waste Cells 1 and 3. However, as shown on Figure 1, the west, north, and south slopes of Cell 1 have received interim soil cover.

2.2 Changes Made to Landfill Configuration During Reporting Period

During 2015, the facility began utilization of the new Cell 3, which will eventually allow waste to be placed at higher elevations in the adjacent Cell 1, increasing its operational capacity.

The landfill manager that works for the contracted landfill management company, Charah, reported additional improvements during the year. Of note is installation of a new leachate forcemain from Cell 1 to the onsite collection tanks. To prepare for the new CCR rule, Charah staff that are responsible for the landfill facility were trained on conducting weekly inspections, copies of which are included in Appendix B. The inspections began in October 2015 in accordance with the CCR Rule. It appears that the inspections these were done by the same inspector from Charah 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 2010. 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, if any. 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 May 7, 2015 and again on December 22, 2015, a period of approximately eight 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. Current disposal activities resulted in a net fill of approximately 87,600 cubic yards of ash in the active disposal area during the eight-month period.

Cell Number	Status	Area (ac)	Permitted Waste Capacity (cy)	2015 Volume Placed* (cy)	Total Volume Placed (cy)	Operational Remaining Disposal Capacity (cy)	Operational Remaining Life (years)
Cell 1	Active	15.5	1,607,400	20,650	858,200	283,000	1.9
Cell 3	Active	13.6	2,191,700	66,660	66,700	1,142,200	7.5
Totals		29.1	3,799,100	87,310	924,900	1,425,200	9.3

Table 3.1 Summary of waste volume calculations.

* Volume filled during the 8-month period of May through December 2015.

The 5-year average disposal rate, including 2015, is approximately 153,000 cubic yards per year, in-place volume. At this rate, the calculated available airspace, 1,425,200 cubic yards, provides approximately 9 years of remaining operation capacity before a new disposal cell must be opened.

4.0 ASSESSMENT OF LANDFILL FACILITY

This section of the report provides a summary of the inspection of the Plum Point Landfill facility that was conducted on December 17, 2015. The assessment included an interview with the landfill operating company (Charah) 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

Active disposal during 2015 was conducted primarily at the top of Cell 1 and proceeding east into Cell 3.

The side-slopes of the landfill are generally at the required 4:1 external and 3:1 interior slope requirements. Much of the western, northern, and southern slopes of Cell 1 have been covered with interim soil cover and are well vegetated.

The elevated disposal area in Cell 1 is surrounded by berms for safety and to reduce effects of wind, as described in Section 4.7, below. It appears that some sections of 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 weather conditions allow. Charah also plans to place interim cover on these slopes, once graded.

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 on the exterior slopes.

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 and 3. Figure 3 presents contours for the currently permitted final cover system.

Both active cells remain open. Interim cover soil has been placed, as noted, on the western, southern and northern side slopes of Cell 1. The landfill manager plans to begin installation of additional interim cover in 2016.

4.3 Leachate Collection System

Waste Cells 1 and 3 do have leachate collection systems. The cells are graded to drain to sumps in each cell from which leachate is pumped via dual-contained transmission lines to onsite storage tanks. From there the leachate is recirculated to the active cells for dust control or is loaded to trucks for reuse in the Plant's FGD lime slurry system or disposal at an offsite treatment facility. Improvements were made to the leachate transmission lines during 2015 to increase pumping efficiencies.

4.4 Stormwater Control System

Stormwater at the landfill site flows west to the stormwater pond on the western side of Cell 1. To prevent run-on, a stormwater channel and berm was constructed along the north side of the landfill, routing stormwater west around the landfill. Additionally, clay perimeter berms prevent both run-on and run-off. Stormwater from the covered slopes drains to the onsite stormwater pond located west of Cell 1. Stormwater channels, culverts and discharge structures were in good operational condition.

The facility is permitted to discharge stormwater under NPDES General Landfill Stormwater Permit No. ARG160042, as issued by the ADEQ effective April 30, 2009, and renewed March 1, 2015.

4.5 Facility Roads

Facility perimeter and access roads were generally well maintained and allow all-weather access.

4.6 Fugitive Dust Control

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

Fly ash is transported to the landfill using end-dump trucks with tarps. The ash is mixed with water in the pug mill at an appropriate ration to minimize fugitive dust problems during truck loading and dumping, but not create excess free liquids. Water is applied, when necessary, for dust suppression on roads and the landfill using a water truck.

Speed limit signs were posted along the main haul road to the Landfill.

APPENDIX A

Figures



Figure 1. Site location map.







-1[water resources/environmental consultants
PI	FTN Associates, Ltd No. 63 No. 63 No. 63 ARKANSAS ENGISTIAN	ORIATION CHILING
PLUM POINT SERVICES COMPANY, LLC	PLUM POINT ENERGY STATION CLASS 3N LANDFILL 2015 ANNUAL ENGINEERING INSPECTION REPORT	OSCEOLA, ARKANSAS
	FIGURE 3 PERMITTED FINAL COVER	
DRAWN BY APPROVED SCALE: 1" SHEET NO	File N PROJE PROJE 1459 DA DA DA DA DA DA	IAME: FG03.DWG CT NO. 0-1102-001 TE: 1/14/2016 1

APPENDIX B

Copies of Weekly Landfill Inspections

Facility Name: Plum Point Ener	gy Station, Class 3N	Landfill		
Facility Address: 2732 South Co	ounty Road 623, Osc	eola, AR 72	370	
Date: 10-20-15 1	Time: 9:45		Weather:	chene
Inspection Representatives				
Charah:				
Others:				
Weekly Inspection Observation				
weekly inspection observation	15	1	Needs	
		Acceptable	Improvement	Comments (See Page 2 for Additional Comments)
1. General Operating Issues				
1a. General stability of landfill	slopes	~		
1b. Condition of exposed waste	e slopes		-	South, west, well slopes
1c. Condition of exposed waste	e grading	r		
1d. Signs of erosion or washour	ts	1		±
1e. Signs of leachate seeps		~		
1f. Condition of dust control m	neasures	-		
1g. Condition of landfill signage	e	-		
2. Cover System				
2a. Condition of interim cover		1		
2b. Condition of final cover		NIA		
2c. Condition of vegetation		-		
2d. Condition of erosion control	ol devices	r		
3. Leachate Collection and Stor	age System			
3a. Condition of leachate pum	ps	-		
3b. Condition of leachate control panels		1		
3c. Status of leachate levels in disposal cells		~		
3d. Condition of leachate colle	ction piping	~	1	
3e. Condition of cleanouts and	headwalls	~		
3f. Condition of leachate transmission piping		-		
3g. Condition of leachate stora	ige system			
4. Stormwater Control Facilitie	s			
4a. Condition of culverts		-		
4b. Condition of ditches	÷	-		
4c. Condition of diversion berr	ns	-		
4d. Condition of letdowns		NA		
4e. Condition of stormwater p	onds	~		
5. Groundwater Monitoring W	ells	1		
5a. Condition of well casings a	nd locks	12		
5b. Condition of well pads and	pipe bollards	~		
5c. Access to wells	• • • • • • • • • • • • • • • • • • •	r		
6. Landfill Access Roads				
6a. Condition of main access r	oad	~		
6b. Condition of active dispose	al area access road	~		1.5
6c. Acceptable dust control m	easures	~		
7. Other Items				
7a.				
7b.				
Bern mang	rum	R	pur p	land
And the second of the second second second	alating Form	~	Signature	Data

cility Name: Plum Point Energy Station, Class 3N Landfill	
cility Address: 2732 South County Road 623, Osceola, AR 72370	
cility Name: Plum Point Energy Station, Class 3N Landfill cility Address: 2732 South County Road 623, Osceola, AR 72370 Iditional Comments: The Southern, wester, And North Stope OF cell ONE Need To be Put To grade AND have Triterin Cover Placed up To the Top So that water CAN be directed To The storm water Poud.	1

Bur Mague

Signature

BRIN MANGRUM

Print Name of Inspector Completing Form

10-20-15

Date

Facility Name: Plum Point Energy Station, Class 3N	Landfill		
Facility Address: 2732 South County Road 623, Osc	ceola, AR 72	370	
Date: 10-23-15 Time: 10:25	5	Weather:	Cleady
Inspection Representatives			
Charah:			
Others:			
Weekly Inspection Observations			
Weekly inspection observations	1	Needs	
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments)
1. General Operating Issues			
1a. General stability of landfill slopes	1		
1b. Condition of exposed waste slopes		1	
1c. Condition of exposed waste grading	~		
1d. Signs of erosion or washouts	/		
1e. Signs of leachate seeps	1		
1f. Condition of dust control measures			
1g. Condition of landfill signage	V		
2. Cover System			
2a. Condition of interim cover	V		
2b. Condition of final cover	NA		
2c. Condition of vegetation	5		
2d. Condition of erosion control devices	1		
3. Leachate Collection and Storage System			
3a. Condition of leachate pumps	1.6		
3b Condition of leachate control panels	1		
3c Status of leachate levels in disposal cells	/		
3d Condition of leachate collection nining	1		
3e. Condition of cleanouts and headwalls	1		
3f Condition of leachate transmission nining	1		
3g. Condition of leachate storage system		1	
A Stormwater Control Eacilities		1	
4. Condition of culverts	1.1	1	
4d. Condition of ditchos			
4b. Condition of diversion borne	V		
4c. Condition of diversion berms	110		
4a. Condition of letdowns	N/A		
4e. Condition of stormwater ponds	V	the second	
5. Groundwater Monitoring Wells	1		
5a. Condition of well casings and locks	1		
5b. Condition of well pads and pipe bollards			
5c. Access to wells		1	
6. Landtill Access Roads		1	
6a. Condition of main access road			
6b. Condition of active disposal area access road	1/		
6c. Acceptable dust control measures	1		
7. Other Items		-	
7a.			
7b.			
E. WAMPTE	6	while	4
Print Name of Inspector Completing Form	4	Signature	Date

VVLLILLI LANDI	
Facility Name: Plum Point Energy Station, Class 3N La	ndfill
Facility Address: 2732 South County Road 623, Osceo	la, AR 72370
Additional Comments: The Southern OF Cell one Need To be Cover Placed up Tothe To To Storm Water Pond	, Western, And Northern Slope put to Grade And Nave Intrim op so That Water Can De Directo
E. WALKE Print Name of Inspector Completing Form	Echiphic 10-23-15 Signature Date

Facility Name: Plum Point Energy Station, Cl	ass 3N Landfill			
Facility Address: 2732 South County Road 62	23, Osceola, AR 72	2370		
Date: 10-27-15 Time: 1:00	2m	Weather:	Rain	
Inspection Representatives				
Charah: BRYAN IVIANSRUI	m			
Others:				-
Wookly Inspection Observations				
weekly inspection Observations		1 Norda	1	
	Acceptable	Improvement	Comments (See Page 2 for Additional Com	ments)
1. General Operating Issues				
1a. General stability of landfill slopes	-			
1b. Condition of exposed waste slopes	-	1		
1c. Condition of exposed waste grading	~			
1d. Signs of erosion or washouts	2			
1e. Signs of leachate seeps	5			
1f. Condition of dust control measures	~			
1g. Condition of landfill signage	5			
2. Cover System				
2a. Condition of interim cover	~			
2b. Condition of final cover	2	1		
2c. Condition of vegetation	~		· · · · · · · · · · · · · · · · · · ·	
2d. Condition of erosion control devices	~	1		
3. Leachate Collection and Storage System				
3a. Condition of leachate pumps		-	Power off	
3b. Condition of leachate control panels		-	POWER OFF	
3c. Status of leachate levels in disposal cells	(?	UNKNOWN POUCH OFF	0
3d. Condition of leachate collection piping	-			
3e. Condition of cleanouts and headwalls	-			
31. Condition of leachate transmission piping	g v			
3g. Condition of leachate storage system	15	1,		
4. Stormwater Control Facilities	1 22	1	1	
4a. Condition of cuiverts	-			
4b. Condition of diversion horms	5			
4c. Condition of letdowns	11/0	1		
Ae Condition of stormwater ponds	NIA	1		
5. Groundwater Monitoring Wells	17	4		
5a Condition of well casings and locks		~	MUL LNEEDS Bollard 20	CANE
5b. Condition of well pads and pipe bollards	~		1100 2 1 03 0011-0 1	
5c Access to wells	-			
6. Landfill Access Roads				
6a. Condition of main access road	~	1		
6b. Condition of active disposal area access i	road 🖍	1		
6c. Acceptable dust control measures	-			
7. Other Items				-
7a.				
7b.				
BRYAN IYLANSRUM	Bur	Marp	10-27-15	-
Print Name of Inspector Completing Form		Signature	Date	

Facility Name: Plui	n Point Energy Station, Class 3N Landfill
Facility Address: 2	732 South County Road 623, Osceola, AR 72370
Additional Commer	its: Leachate Levels Are UNKNOWN At This
Time	due to Power out at Herdwalls moniter 5
Romps	pre INDERIVE At This Time.
moniter	well I in NW corner 1445 Two BollArds down.

Berno MANSROM	Bun men	10-27-15
Print Name of Inspector Completing Form	Signature	Date

Facility Address: 2732 South County Pool Coo	SIN Landfill		
Date: 10-30-15 Time: 0.000	Disceola, AR 72	2370	A :
Inspection Representatives	FIN	Weather:	CLEAR
Charab:			
Otherse Skylow IVbyzin			
Others:			
Weekly Inspection Observations			
		Needs	
1 General Operating laws	Acceptable	Improvement	Comments (See Page 2 for Additional Comments
1a. General stability of log df/ll			
1b. Condition of expand used			
1c. Condition of exposed waste slopes	-		
1d Signs of erosion or wash auto			
1e. Signs of leachate scene	M		
1f. Condition of dust control macro	V		
1g. Condition of landfill signame	-		
2. Cover System		1	
2a Condition of interim source	1		
2b. Condition of final sover	N.M.		
20. Condition of vogotation	Att		
2d Condition of erosion control devices	-		
Reachate Collection and Storage Sust			
Condition of leachate number	1 1		
Sh. Condition of looshate control newsla	1		
Status of leachate lovels in dispasel cells		-	Cell 3
Rd. Condition of leachate collection nining			
e. Condition of cleanouts and headwalls	1.5		
Bf. Condition of leachate transmission nining	1		
g. Condition of leachate storage system	1		
Stormwater Control Facilities			
a. Condition of culverts			
b. Condition of ditches	1		
c. Condition of diversion berms			
d. Condition of letdowns	NIA		
e. Condition of stormwater ponds	101.		
. Groundwater Monitoring Wells			
a. Condition of well casings and locks		1	
b. Condition of well pads and pipe bollards		V	mw I week hallada
c. Access to wells	-		- IN - IS BOILIAKAS
. Landfill Access Roads			
a. Condition of main access road	-		
b. Condition of active disposal area access road			
c. Acceptable dust control measures	1		
Other Items			
a.			
b		U	
Berrow Mougrun E	Bur 1	Man	17-30-15
Print Name of Inspector Completing Form		Signaturo	101

Facility Name: Plum Point Energy Station, Class	3N Landfill			
Facility Address: 2732 South County Road 623, 0	Osceola, AR 72	2370		
Date: 11-3-15 Time: 3.00		Weather:	Cloudy	
Inspection Representatives				
Charah: BRYAN MANA	SRUM			
Others:	7.00			
Weekky Inspection Observations				
weekly inspection Observations	T	1		
	Acceptable	Needs Improvement	Comments (See Pag	ge 2 for Additional Comments)
1. General Operating Issues		mprovement		<u>, , , , , , , , , , , , , , , , , , , </u>
1a. General stability of landfill slopes	-	1	1	
1b. Condition of exposed waste slopes	-			
1c. Condition of exposed waste grading	F	1		
1d. Signs of erosion or washouts	-			
1e. Signs of leachate seeps	1			
1f. Condition of dust control measures	-			
1g. Condition of landfill signage				
2. Cover System			1	
2a. Condition of interim cover	1/	1	1	
2b. Condition of final cover	1			
2c. Condition of vegetation				10
2d. Condition of erosion control devices	V			
3. Leachate Collection and Storage System		1		
3a. Condition of leachate numps	V	1	1	
3b Condition of leachate control panels				
3c Status of leachate levels in disposal cells		1	Cell 7 11	ich havela a
3d Condition of leachate collection nining	1.0		Cer L H	high Level Som
3e Condition of cleanouts and headwalls				
3f Condition of leachate transmission pining	1			
3g Condition of leachate storage system				
A Stormwater Control Excilition		1	1	
4. Condition of culverts	1 -	1	T	
Ab. Condition of ditches				
Ac Condition of diversion horms				
Ad Condition of letdowns				
An Condition of stormwater pends	NA		1	
5. Groundwater Monitoring Walls		1	1	
5. Condition of well casings and locks		1	1	
5h. Condition of well pads and pine bollards			paquit.	1. 1011 1 2 allandel
5c. Access to wells	-	-	THOSTPON O	well & pre-shed
6 Landfill Access Roads	1-		1	
6a Condition of main access road	1	1	1	
6h Condition of active disposal area access read				
6. Accentable dust control measures	5			
7 Other Items			1	
72	1		T	
7b	-			
ROMAN ALANCOUM	R			
DISAINIA LALIAM SICOLA	Sur	incom	-	11-3-15
Print Name of Inspector Completing Form		Signature		Date

Facility Name: Plum Point Energy Station, Class 3N Landfill	
Facility Address: 2732 South County Road 623, Osceola, AR 72370	
Facility Address: 2732 South County Road 623, Osceola, AR 72370 Additional Comments: Cell I has - A Level OF 90.1 due To Power Derry host At Headwall Power Resto Powers Dee Rowerts will be at ubernal operation hevel within A couphe hours.	<u>s</u>

BRVAN MANSROM	Bun Manger	11-3-15
Print Name of Inspector Completing Form	Signature	Date

Facility Name: Plum Point Energy Station, Class 3N	N Landfill			
Facility Address: 2732 South County Road 623, Os	ceola, AR 72	370		
Date: 11-10-15 Time: 2!00	Pm	Weather:	Clusic	
Inspection Representatives				
Charah: BRYAN MIANSA	zum			
Others:				
Weekly Inspection Observations	-			
weekly inspection observations	1	Naada	1	
	Acceptable	Improvement	Comments (See Pag	e 2 for Additional Comments)
1. General Operating Issues				
1a. General stability of landfill slopes	V			
1b. Condition of exposed waste slopes	L			
1c. Condition of exposed waste grading	L	1		
1d. Signs of erosion or washouts	2			
1e. Signs of leachate seeps	5		1	
1f. Condition of dust control measures	-			
1g. Condition of landfill signage	4		20 moh to	mit Sicare Preta
2. Cover System		1	201111	1111 219103 10314
2a. Condition of interim cover	1/		1	
2b Condition of final cover	112			
2c Condition of vegetation	NIT			
2d Condition of erosion control devices				
3 Loschate Collection and Storage System			1	
22 Condition of loochate number	1.1	1	1	
Sa. Condition of leachate pumps				
3b. Condition of leachate control panels	~			
3c. Status of leachate levels in disposal cells	-			
3d. Condition of leachate collection piping	-			
3e. Condition of cleanouts and headwalls	-			
3f. Condition of leachate transmission piping	r			
3g. Condition of leachate storage system	-			
4. Stormwater Control Facilities	1	1	1	
4a. Condition of culverts	-			
4b. Condition of ditches				
4c. Condition of diversion berms	-			
4d. Condition of letdowns	MA			
4e. Condition of stormwater ponds	/			
5. Groundwater Monitoring Wells	T	1	1	
5a. Condition of well casings and locks	-			
5b. Condition of well pads and pipe bollards		-	Some Ref	PATRS preced
5c. Access to wells				
6. Landfill Access Roads	1		T	
6a. Condition of main access road	r		SRAdued	This will
6b. Condition of active disposal area access road	-			
6c. Acceptable dust control measures	-			
7. Other Items		-	T	
7a.				
7b.				
BRYAN MIANSRUM	Bun	Margn	-	10-40-15
Print Name of Inspector Completing Form		Signature		Date

Facility Name: Plum Point Energy Station, Class 3N Landfill	
Facility Address: 2732 South County Road 623, Osceola, AR 72370	
Additional Comments:	

BRYAN MIANSRUM	BRISN Mongen	11-10-15
Print Name of Inspector Completing Form	Signature	Date

Facility Address: 2722 Contraction, Class	3N Landfill			
Date: 11 -12 -15 South County Road 623, C	Osceola, AR 72	2370		
Date: 11-13-15 Time: 12145		Weather:	Clean	
Inspection Representatives				
Charah: BEVAN MURACR	() D =			
Others:	ein			
Weekly Inspection Observations				
sector observations				
	Acceptable	Needs	Commente (Sau Di anti anti	
1. General Operating Issues	1	mprovement	Comments (See Page 2 for Additional Con	nments
 General stability of landfill slopes 				
1b. Condition of exposed waste slopes				
1c. Condition of exposed waste grading				
1d. Signs of erosion or washouts				
1e. Signs of leachate seeps	1			
1f. Condition of dust control measures	-			
1g. Condition of landfill signage				_
2. Cover System				
2a. Condition of interim cover				
2b. Condition of final cover	1			
c. Condition of vegetation	NIA			
d. Condition of erosion control devices				
Leachate Collection and Storage System				
a. Condition of leachate numps	1			
b. Condition of leachate control panels	1			
C Status of leachate lovels in disparel calls	1			
d Condition of loachate collection mining				
e. Condition of cloanouts and hand all	-			
f Condition of leachete transmis				
Goodition of leachate transmission piping				
g. Condition of leachate storage system	/			
Condition of a land				
a. Condition of culverts				
D. Condition of ditches	1	12		
c. Condition of diversion berms	1			
Condition of retdowns	NA		<u> </u>	
e. Condition of stormwater ponds	1			
Groundwater Monitoring Wells				
a. Condition of well casings and locks	/			
6. Condition of well pads and pipe bollards		1	mwz s mw 5 bol	lands
C. ACCESS TO WEIIS				
Landill Access Roads				
a. Condition of main access road	1			
 Condition of active disposal area access road 	1			
Characteristic dust control measures	-			
Other Items				
1				
).				
BEXAN MANSRUM .	RAIN	March	- 11-13-15	-
Print Name of Inspector Completing Form	Dingo	Signaturo	11.510	

PLUM	POINT	SERVICES	COMPANY	CLASS 3N LANDFILL
	WEE	KLY LAND	FILL INSPEC	TION FORM

Facility Address: 2732 So	uth County R	h had	23 0000		72270		
Additional Comments:	MW	7	Ach	Sia, AR	/2370	0.0	
Reparreb.		+	11-0	2	Neee	Fife	bollards
			-				
		-					
						and the second	

BRYAN IVIANISRUN BUN Magn 11-13-15 Print Name of Inspector Completing Form Signature Date

Date: 11-17-15 Time: 2:45		Weather: C	loudy Humid Misty
Inspection Representatives			
Charah: BOYAN MANEDUM			
Others:			
Weekly Inspection Observations	1		1
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments)
1. General Operating Issues			
1a. General stability of landfill slopes	1		
1b. Condition of exposed waste slopes	1		
1c. Condition of exposed waste grading	1		
1d. Signs of erosion or washouts	1	1	
1e. Signs of leachate seeps	1		
1f. Condition of dust control measures	1		
1g. Condition of landfill signage	1		
2. Cover System			
2a. Condition of interim cover	1		
2b. Condition of final cover	1		
2c. Condition of vegetation	1		
2d. Condition of erosion control devices	/		
3. Leachate Collection and Storage System			
3a. Condition of leachate pumps	1		
3b. Condition of leachate control panels	1	1	
3c. Status of leachate levels in disposal cells	1. 1	1	HEAVY RAINFALL
3d. Condition of leachate collection piping			
3e. Condition of cleanouts and headwalls	1		
3f. Condition of leachate transmission piping	1		
3g. Condition of leachate storage system	1		
4. Stormwater Control Facilities			
4a. Condition of culverts	1		
4b. Condition of ditches	1		
4c. Condition of diversion berms	1		
4d. Condition of letdowns	NA		
4e. Condition of stormwater ponds	1		
5. Groundwater Monitoring Wells			
5a. Condition of well casings and locks	1		
5b. Condition of well pads and pipe bollards		1	mw 7 25 Need bolland Rel
5c. Access to wells	/		
6. Landfill Access Roads			
6a. Condition of main access road	1		
6b. Condition of active disposal area access road	1		
6c. Acceptable dust control measures	/		
7. Other Items	-		1
7a.			
7h			

acility Name: Plum Po	oint Energy S	station, Class	3N Land	dfill			-		
acility Address: 2732	South Count	ty Road 623,	Osceola	, AR 72370					
Additional Comments:	Cell	3 15	v7 f	High	Lei	vel du	e To	14.	etvi
RAINS,	monit	enny u	vell	15	5	have	Bolla	rd	damage
									1 No
						_			
					_				-

BRYAN MANSROM	Bur man	11-17-15
Print Name of Inspector Completing Form	Signature	Date

Facility Name: Plum Point Energy Station, Class 3	N Landfill		
Facility Address: 2732 South County Road 623, O	sceola, AR 72	370	
Date: 11-20-15 Time: 1:45	PM	Weather:	Clear
Inspection Representatives			
Charah: BRIDE DAVALLE			
Others:			
oulers.			
Weekly Inspection Observations			
	Acceptable	Needs	Comments (See Page 2 for Additional Comments)
1. General Operating Issues	1	Improvement	comments (see Fage 2 for Additional Comments)
1a. General stability of landfill slopes	10		
1b. Condition of exposed waste slopes	1		
1c. Condition of exposed waste grading	1		
1d. Signs of erosion or washouts			
1e. Signs of leachate seeps	1		
1f. Condition of dust control measures	1		
1g. Condition of landfill signage	11		
2. Cover System			
2a. Condition of interim cover	Tr		1
2b. Condition of final cover	1		
2c. Condition of vegetation	1		
2d. Condition of erosion control devices	1		
3. Leachate Collection and Storage System	1		kan and a second se
3a. Condition of leachate numps	1	1	Pall 1 Pratice
3b. Condition of leachate control nanels		/	Cell I FUMPING Slow
3c. Status of leachate levels in disposal cells			
3d. Condition of leachate collection nining			Cell > High
3e. Condition of cleanouts and headwalls			
3f. Condition of leachate transmission nining			
3g. Condition of leachate storage system			
4. Stormwater Control Facilities			
4a. Condition of culverts			
4b. Condition of ditches	1		
4c. Condition of diversion herms	1		
4d. Condition of letdowns	1102		
4e. Condition of stormwater ponds	NIV	1	Carolina Alexandra
5. Groundwater Monitoring Wells		/	SEEPinge HOUR OUT-how
5a. Condition of well casings and locks			
5b. Condition of well pads and pipe bollards			00757 7 1 11 1 0
5c. Access to wells			Loc w L S S bolland Kuph
6. Landfill Access Boads			
6a. Condition of main access road			
6b. Condition of active disposal area access road			
6c. Acceptable dust control measures	-		
7. Other Items			
7a.	1	1	
7b.			
Kexpo moulin C.	2	. N. Lo.	11 2 2 1
Print Name of Inspector Completing Form	Dun	Nuly	11-20-15
rine name of inspector completing form		Signature	Date

Facility Address: 2732 South	n County Road 623, Osce	eola, AR 72	370		
Date: 11-24-15	Time: 2150		Weather: 📀	ver cast	
Inspection Representatives					
Charah: Bovan 1	MAMPH				
	wo y -				
Others:					
Weekly Inspection Observa	tions				
		Acceptable	Needs Improvement	Comments (See Page 2 fo	or Additional Comments
1. General Operating Issue	S		1	1	
1a. General stability of land	Ifill slopes	-			
1b. Condition of exposed w	aste slopes	1	-		
1c. Condition of exposed w	aste grading	1			
1d. Signs of erosion or was	houts	1			
1e. Signs of leachate seeps		1			
1f. Condition of dust contr	ol measures	1			
1g. Condition of landfill sig	nage	-			
2. Cover System			1	1	
2a. Condition of interim co	ver	1			
2b. Condition of final cover	r 1	No	1		
2c. Condition of vegetation	ı	1			
2d. Condition of erosion co	ontrol devices	1			
3. Leachate Collection and	Storage System				
3a Condition of leachate r	oumps	-	V	Cell 7 Pump	My Slow
3b Condition of leachate of	control panels	1			
3c Status of leachate leve	ls in disposal cells		-	Cell 3 1415	h hevel simp
3d Condition of leachate of	collection piping	-			
3e Condition of cleanouts	and headwalls	1			
3f Condition of leachate t	transmission piping	-			
3g Condition of leachates	storage system	r			
4 Stormwater Control Fac	ilities				
4. Condition of culverts		14			
4b. Condition of ditches		5			
4c. Condition of diversion	berms	~			
4d. Condition of letdowns		NIA			
4e. Condition of stormwat	ter ponds	-			
5. Groundwater Monitorin	ng Wells				
5a Condition of well casir	ngs and locks	-			Contraction of the second
5b. Condition of well pade	and pipe bollards		-	bollseds on	255 MW
5c. Access to wells	and a first of the second		-		
6 Landfill Access Roads					
6a Condition of main acc	ess road	12			
6b. Condition of active dis	posal area access road	-	-		
6c Accentable dust contr	ol measures	~			
7 Other Items					
72					
7h.					
ROYAN N	pypin .	2	in Mr	ias	
UN .		-1)	Cignotur		Date

Facility Name: Plum Point Energy Station, Class 3	N Landfill		
Facility Address: 2732 South County Road 623, Os	sceola, AR 72	370	
Date: 12-1-15 Time: \$:30	DAM	Weather: C	Wercost
Inspection Representatives			
Charah: BOYAU Mar			
Others:		****	
Weekly Inspection Observations			
weekly inspection observations		1 Norda	
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments)
1. General Operating Issues			
1a. General stability of landfill slopes	10		
1b. Condition of exposed waste slopes	1		
1c. Condition of exposed waste grading	1	1	
1d. Signs of erosion or washouts	1		
1e. Signs of leachate seeps	1	1	
1f. Condition of dust control measures	1	1	
1g. Condition of landfill signage	17		
2. Cover System	1	1	
2a. Condition of interim cover	TC	1	
2b. Condition of final cover	NIA		
2c. Condition of vegetation	101.5		
2d. Condition of erosion control devices			
3. Leachate Collection and Storage System	1/	I	I
3a Condition of leachate numps			r
3h Condition of leachate control panels	1		
3c Status of leachate levels in disposal colls	1		
3d Condition of leachate collection nining	1	the second	
3e. Condition of cleanauts and headwalls	1		
3f. Condition of loochate transmission nining	1		
2g. Condition of leachate stars a sustain	1		
4 Stormwater Central Englishes	//		
4. Scondition of autorsta	1	,	
4a. Condition of cuiverts			the second se
4b. Condition of ditches	1		
4c. Condition of diversion berms	/		
4a. Condition of letdowns	NIA		
4e. Condition of stormwater ponds	1		
5. Groundwater Monitoring Wells	1	· · · · · · · · · · · · · · · · · · ·	
Sa. Condition of well casings and locks	/		
5b. Condition of well pads and pipe bollards		/	MW 235 Bollands
Sc. Access to wells			
b. Landfill Access Roads	,		
oa. condition of main access road	1		
ob. Condition of active disposal area access road	1		
bc. Acceptable dust control measures	1		
7. Other Items	1		
/a.			
/D.			
Barlan Manna		2.4	
DISAGN I MOUSTIN	"Dhan	Mera	12-1-15
Print Name of Inspector Completing Form		Signature	Date

1

Date: 12 1-1) Time: 4:15		Weather:	01
Inspection Representatives		weather.	CITAR
Charah:			
Others:			
Weekk to a start and the start	_		
weekly inspection Observations			
	Accounts h	Needs	
1. General Operating Issues	Acceptable	Improvement	Comments (See Page 2 for Additional Comment
La. General stability of landfill slopes	1	1	
b. Condition of exposed waste slopes	tu		
c. Condition of exposed waste grading	10	1	
d. Signs of erosion or washouts			
e. Signs of leachate seens			
f. Condition of dust control measures			
g. Condition of landfill signage			
. Cover System			
a. Condition of interim cover	1		
b. Condition of final cover	1.1	.1/	
c. Condition of vegetation	NH	NA	
d. Condition of erosion control douis	12	4	
Leachate Collection and Starsma Sunt			
Condition of leachate pureas			
Condition of leachate control and l			
Status of leachate lovels in diama la u			
Condition of leachate collection			
Condition of cleanaute and have to all			
Condition of leachate travel			
Condition of leachate transmission piping	~		
Stormwater Control English			
Condition of suborts			
Condition of ditabas			
Condition of discretes	~		
Condition of diversion berms	V		
Condition of letdowns	NA		
Groundwater Marine Ma	-		
Condition of wells			
Condition of well casings and locks	~		
Access to well pads and pipe bollards		~	MINTES Pulate
andfill Accors Paget			The pollences
Condition of main			
Condition of native lite	/		
Acceptable dust as the	/		
Other Itoms	/		
other items			

25

Facility Address: 2732 South County Road 623, Osc	eola, AR 723	370	
Date: 12-8-15 Time: 1:30		Weather: 🤇	Clerk
Inspection Representatives			
Charah: BRYAN MANS	rum		
Others:			
Weekly inspection Observations		Needs	
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments)
1. General Operating Issues			
1a. General stability of landfill slopes	1		
1b. Condition of exposed waste slopes	5		
1c. Condition of exposed waste grading	4		
1d. Signs of erosion or washouts	5		
1e. Signs of leachate seeps	4		
1f. Condition of dust control measures	~		
1g. Condition of landfill signage	-		
2. Cover System			1
2a. Condition of interim cover	-		
2b. Condition of final cover	NIA		
2c. Condition of vegetation	~		
2d. Condition of erosion control devices	-		
3. Leachate Collection and Storage System			La II 2 Dura 10 Clowille
3a. Condition of leachate pumps		1	Cell I POMP is stournes
3b. Condition of leachate control panels	-		11 2 17 21 1 2/10/
3c. Status of leachate levels in disposal cells		-	Cell 3 High Level
3d. Condition of leachate collection piping	r		
3e. Condition of cleanouts and headwalls	1-		
3f. Condition of leachate transmission piping	V		
3g. Condition of leachate storage system	1-	1	1
4. Stormwater Control Facilities	1	-T	1
4a. Condition of culverts	1		
4b. Condition of ditches	r		
4c. Condition of diversion berms			
4d. Condition of letdowns	NIA		
4e. Condition of stormwater ponds	1-	1	1
5. Groundwater Monitoring Wells		1	
5a. Condition of well casings and locks	5		1 main 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5b. Condition of well pads and pipe bollards			111W 7 3 3 6011920 1000
5c. Access to wells	1 5		1
6. Landfill Access Roads			
6a. Condition of main access road	1		
6b. Condition of active disposal area access road	r		
6c. Acceptable dust control measures	-		
7. Other Items	-1		1
7a.		-	
7b.			
BRYAN MANSELN	Bur	Mag	- 12-8-15
Drink Name of Inspector Completing Form		Signature	e Date

acility Address: 2732 South County Road 623, Ost		Maathar	0.11.1	Clander
ate: 12-11-15 Time: 2:15		weather:	Artiv	LOOUCIY
nspection Representatives				
harah: E. Warbe				
)thers:				
Visition Observations				
veekiy inspection observations	1	Needs	Commonts (See	Page 2 for Additional Comments
	Acceptable	Improvement	Comments (See	and age 2101 Additional and
. General Operating Issues			T	
La. General stability of landfill slopes	V			
Lb. Condition of exposed waste slopes	V			
Lc. Condition of exposed waste grading	V			
1d. Signs of erosion or washouts	V			
1e. Signs of leachate seeps				
1f. Condition of dust control measures				
1g. Condition of landfill signage	-		1	
2. Cover System	1 1 1	1	1	
2a. Condition of interim cover	V			
2b. Condition of final cover			1	
2c. Condition of vegetation				
2d. Condition of erosion control devices		<u> </u>	1	
3. Leachate Collection and Storage System				
3a. Condition of leachate pumps	(
3b. Condition of leachate control panels	1			
3c. Status of leachate levels in disposal cells	(-		
3d. Condition of leachate collection piping	1			
3e. Condition of cleanouts and headwalls	1			
3f. Condition of leachate transmission piping				
3g. Condition of leachate storage system	1	1		
4. Stormwater Control Facilities				eren eren eren eren eren eren eren eren
4a. Condition of culverts		1		
4b. Condition of ditches				
4c. Condition of diversion berms				
4d. Condition of letdowns	MA			
4e. Condition of stormwater ponds		1		
5. Groundwater Monitoring Wells			-1	
5a. Condition of well casings and locks	V		1.4.17	1: c Ballard Per
5b. Condition of well pads and pipe bollards			MW	Tes Isono Par
5c. Access to wells	c	1		
6. Landfill Access Roads			1	
6a. Condition of main access road	F			
6b. Condition of active disposal area access road	1/	_	_	
6c. Acceptable dust control measures		1		
7. Other Items				
7a.			-	
7b.				
E 1 blog	0	11	0	10-11-

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Facility Address: 2732 South County Road 623, Osc	eola, AR 723	370		
Date: 12-15-15 Time: 12200 Weather: Survy & Chan				
Inspection Representatives				
Charah: BRAN Mongen				
Others:				
Weekly Inspection Observations				
		Needs		
	Acceptable	Improvement	Comments (See Page 21	for Additional Comments
1. General Operating Issues	1		r ,	
1a. General stability of landfill slopes	1			
1b. Condition of exposed waste slopes	1			
1c. Condition of exposed waste grading	1			
1d. Signs of erosion or washouts	1		ine les se	
1e. Signs of leachate seeps	1			
1f. Condition of dust control measures	1			
1g. Condition of landfill signage	11			
2. Cover System				
2a. Condition of interim cover	1			
2b. Condition of final cover	NIM			
2c. Condition of vegetation	1-	1		
2d. Condition of erosion control devices	1-			
3. Leachate Collection and Storage System			- 11 00	
3a. Condition of leachate pumps		1	Cell 7 pr	mping Slow
3b. Condition of leachate control panels	1		1	
3c. Status of leachate levels in disposal cells		1	Cell 3 Hi	Sh Level
3d. Condition of leachate collection piping	1			
3e. Condition of cleanouts and headwalls	1			
3f. Condition of leachate transmission piping	1			
3g. Condition of leachate storage system	1			
4. Stormwater Control Facilities				
4a. Condition of culverts	1			
4b. Condition of ditches	1			
4c. Condition of diversion berms	1			
4d. Condition of letdowns	NA			
4e. Condition of stormwater ponds	1			
5. Groundwater Monitoring Wells				
5a. Condition of well casings and locks	11	1.		
5b. Condition of well pads and pipe bollards		1	mw2251	veet Riepan
5c. Access to wells	1			
6. Landfill Access Roads				
6a. Condition of main access road	11			
6b. Condition of active disposal area access road	1/		1	
6c. Acceptable dust control measures	-			
7. Other Items				
7a.		1		
7b.				
<u> </u>	0			
KRIAN MANSHUM	Su	Man		12-15-15
SRYAN MANSRUM	Dur	Signature	1	/2-15-10 Date

Facility Address: 2732 South County Road 623, O	sceola, AR 72	370	
Date: 12-18-15 Time: 11,00		Weather:	oracret
Inspection Representatives			
Charah:			
Others:			
Weekly Inspection Observations			
	1	Neede	
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments
1. General Operating Issues			
1a. General stability of landfill slopes	1		
1b. Condition of exposed waste slopes	1		
1c. Condition of exposed waste grading	1	1	
1d. Signs of erosion or washouts	1		
1e. Signs of leachate seeps	1		
1f. Condition of dust control measures	1		
1g. Condition of landfill signage	1		
2. Cover System			
2a. Condition of interim cover			
2b. Condition of final cover	MA		
2c. Condition of vegetation	100.		
2d. Condition of erosion control devices			
3. Leachate Collection and Storage System			
Ba. Condition of leachate numps	1 1	/	001000
3b. Condition of leachate control papels		/	CELL 2 KOMPANY SLOW
Sc. Status of leachate levels in disposal colls			
d. Condition of leachate collection pining		/	Cell 3 High Level
Be. Condition of cleanouts and headwalls	1		
f Condition of leachate transmission mining			
Generation of leachate starage system			
Stormwater Control Eacilities			
a Condition of subjects	1 1		
h Condition of ditches	-		
Condition of diversion horms	4		
d Condition of latdowns	/		
e Condition of stormwater needs	NA		
Groundwater Menitering Wells	/		
2. Condition of well easing and the			
b. Condition of well casings and locks	/		
b. Condition of well pads and pipe bollards		/	4NZ MW5 Bollseds
Landfill Access D	1		
Canditi Access Roads			
a. Condition of main access road	1		
Condition of active disposal area access road	1		
Other Items	/		
d.			
D			
BOXAN Marson	B	- Man	
Drint Norse of Land O Lat	- Dry	1.000	

Facility Name: Plum Point Energy Station, Class 3N	Landfill			
Facility Address: 2732 South County Road 623, Osc	ceola, AR 72	370		
Date: 12-22-15 Time: 2:00		Weather: C	lear	
Inspection Representatives				
Charah: ISPAN MADURAL				
Others:				
Weekly Inspection Observations	•		1	
	Acceptable	Needs Improvement	Comments (See Page 2 for Additional Comments)	
1. General Operating Issues				
1a. General stability of landfill slopes	5			
1b. Condition of exposed waste slopes	-			
1c. Condition of exposed waste grading	5			
1d. Signs of erosion or washouts	~			
1e. Signs of leachate seeps	~			
1f. Condition of dust control measures	1			
1g. Condition of landfill signage	4			
2. Cover System	1		•	
2a. Condition of interim cover	1-			
2b. Condition of final cover	NA			
2c. Condition of vegetation	1	1		
2d. Condition of erosion control devices	1			
3. Leachate Collection and Storage System	1			
3a. Condition of leachate pumps		1	Cell 2 Primpris Story	
3b. Condition of leachate control panels	-			
3c. Status of leachate levels in disposal cells		-	Coll 3 High Level 2 Sun	
3d. Condition of leachate collection piping		-	car s min a	
3e. Condition of cleanouts and headwalls	1.0			
3f. Condition of leachate transmission piping	1			
3g. Condition of leachate storage system	1.			
4. Stormwater Control Facilities				
4a. Condition of culverts	1-	[
4b. Condition of ditches	1		(Propul)	
4c. Condition of diversion berms	1			
4d. Condition of letdowns	AILA			
4e. Condition of stormwater ponds	NI		· · · · · · · · · · · · · · · · · · ·	
5. Groundwater Monitoring Wells	1	later and the second		
5a. Condition of well casings and locks	1.0			
5b. Condition of well pads and pipe bollards	1		my 1 25 Need Balled Report	
5c Access to wells	1000	-	110280 11-01-	
6. Landfill Access Boads			I	
6a. Condition of main access road	1-	1	I	
6h Condition of active disposal area access road				
6c. Acceptable dust control measures				
7. Other Items		1		
7a.	1	1		
7b.	1			
	<u> </u>	1	1	
DRYAN Margum	Bur	males	12-22-15	
Print Name of Inspector Completing Form		Signature	Date	

11

Facility Name: Plum Point Energy Station, Class 31	N Landfill			
Facility Address: 2732 South County Road 623, Os	ceola, AR 72	370		
Date: 12-28-15 Time: 100 Weather: RAIN 10000001 Today				
Inspection Representatives				
Charah:				
Others:				
Weekly Inspection Observations				
	T.	Needs	T	
	Acceptable	Improvement	Comments (See Page 2 for Additional Comments)	
1. General Operating Issues				
1a. General stability of landfill slopes	-			
1b. Condition of exposed waste slopes	~			
1c. Condition of exposed waste grading	r			
1d. Signs of erosion or washouts	~			
1e. Signs of leachate seeps	V			
1f. Condition of dust control measures	V			
1g. Condition of landfill signage	ir			
2. Cover System				
2a. Condition of interim cover	V			
2b. Condition of final cover	NA			
2c. Condition of vegetation	~			
2d. Condition of erosion control devices	-			
3. Leachate Collection and Storage System				
3a. Condition of leachate pumps		1	Cell 2 Franking Slow	
3b. Condition of leachate control panels	-			
3c. Status of leachate levels in disposal cells		V	CELI 3 High Level	
3d. Condition of leachate collection piping	~			
3e. Condition of cleanouts and headwalls	V			
3f. Condition of leachate transmission piping	~	9000 A. 1993		
3g. Condition of leachate storage system	V			
4. Stormwater Control Eacilities	1		I mente	
4a Condition of culverts	IV	1		
4b Condition of ditches	11			
Ac Condition of diversion herms	10			
Ad Condition of letdowns	11/2-			
4e. Condition of stormwater ponds	10m			
5 Groundwater Monitoring Wells			L	
5. Condition of well easings and looks		r		
Sa. Condition of well casings and locks	V		1 1 how and the alexand she	
Sb. Condition of weil paus and pipe bonards	-	V	bollog on mu LIS precient	
Sc. Access to wells	1		m to the first sector sec	
6. Landini Access Roads				
6a. Condition of main access road	1-			
bb. Condition of active disposal area access road	~			
6c. Acceptable dust control measures				
7. Other Items	1			
7a.		S		
7b.				
BRYN Museu	Du	van	12-28-15	
Print Name of Inspector Completing Form		Signature	Date	

5

APPENDIX C

Photos of Annual Engineering Inspection



Photo 1: Cell 3 disposal area, Cell 1 from east



Photo 2: Cell 3 active disposal area, Cell 1 from east



Photo 6: Side slope of landfill, typical of north and west sides of Cell 1



Photo 7: Upper section of Cell 1 west slope, above interim cover



Photo 8: Top of Cell 1, edge berms and chimney drain



Photo 9: Cell 3 northwest chimney drain



Photo 10: Cell 3 stormwater separation berm, from east



Photo 11: Typical leachate pumping system, Cell 1



Photo 3: Typical 'Limit of Waste' and 'Edge of Liner' signage



Photo 4: Leachate storage tanks



Photo 5: Stormwater pond from Northeast