#### Haley Griffith (adpce.ad)

Subject:

RE: Green Bay Packaging 2024 Annual Engineering Inspection Report (AEIR) - Permit No. 0284-S3N; AFIN: 15-00001

From: Jonathan King <jking@promusengineering.com>
Sent: Friday, June 27, 2025 9:57 AM
To: Richard Bennett (adpce.ad) <<u>richard.bennett@arkansas.gov</u>>
Cc: Brad Fureigh <<u>bfureigh@promusengineering.com</u>>; Wesson, Jacob <jwesson@gbp.com>
Subject: Green Bay Packaging 2024 Annual Engineering Inspection Report (AEIR) - Permit No. 0284-S3N; AFIN: 15-00001

Mr. Bennett,

See attached the 2024 Annual Engineering Inspection Report (AEIR) for the Green Bay Packaging Class 3N Landfill. Please let me know if you have any questions or comments.

The financial assurance mechanism will be submitted under separate cover.

Thanks! Jonathan B. King, P.E. Project Engineer | Promus Engineering, LLC M: (501) 398-7785 jking@promusengineering.com www.promusengineering.com



## **2024 ANNUAL ENGINEERING INSPECTION REPORT**

### Green Bay Packaging – Arkansas Kraft Class 3N Landfill Morrilton, Arkansas

Permit No. 0284-S3N AFIN: 15-00001

June 27, 2025 Promus Project No. 250094

Prepared for: Green Bay Packaging Inc. – Arkansas Kraft Division

Prepared by:



### ANNUAL ENGINEERING INSPECTION REPORT (AEIR) FORM Reporting Year: 2024

Note: Check applicable landfill class. Class 1 (Reg 22.423(b)) \_\_\_\_, Class 3 (22.522(a)) X\_\_, Class 4 (22.619(b)) \_\_\_\_\_

 Facility Name:
 Green Bay Packaging – Arkansas Kraft Division
 AFIN:
 15-00001
 Permit #:
 0284-S3N
 Landfill Class:
 3N

Report Submittal Date:June 27, 2025Date of Landfill Site Inspection by Certifying Engineer:June 10, 2025

#### COLUMN TO BE COMPLETED BY REPORTER *Complete the form as indicated* Instructions are bolded and italicized. Regulation Attachment **Item Description Report Information/Comments/Remarks** Item Reference Reference a) 123,400 cubic yards 22.423(b)(1) Remaining volume in current cell. 1 22.522(a)(1)22.619(b)(1) Projected date of opening new cell. b) Date: 2025 Remaining volume of all permitted units. a) 1,545,652 cubic yards 22.423(b)(2)2 22.522(a)(2)22.619(b)(2) b) 62,650 cubic yards Total air space used during the reporting period. Estimated remaining site life (years) based on c) Landfill Unit/Cell remaining life: utilization rate during the reporting period. Landfill unit/cell Areas 1-3, 0 years. Landfill unit/cell <u>Areas 4 & 5</u>, <u>1.7</u> years. *Note: Itemize current permitted unit/cell information* Landfill unit/cell , years. - use attachment if necessary. d) Entire permitted landfill: 25.9\* years remaining life. \*Based on the 5-year average of 60,277 cy/yr of net volume placed. 3 22.423(b)(3) Documentation of fill progression in compliance with a) Progression narrative: Waste is currently being placed along the eastern 22.522(a)(3)permit plans, specs and operating plan and narrative. half of Area 5. Fill progression is from south to north. Area 4 is generally Note: Provide narrative regarding fill progression at capacity with vegetation covering the north, south, and west interim 22.619(b)(3) slopes. Area 5 is approximately 82% filled. during the reporting period. Be specific about landfill unit/cell designations (example: Cell 1, Phase A completely filled; Cell 2, Phase A, 50% full, being filled south to north as of December 31). Specifically note any overfill conditions.

	-			
4	22.423(b)(4) 22.522(a)(4) 22.619(b)(4)	Documentation of compliance with regulatory operating requirements, permit conditions, approved operating plan, and other applicable regulations. <i>Note: Review current operating plans, and permit</i> <i>conditions. Include photographs of engineer's</i> <i>inspection as Attachment A. Check for</i> <i>weekly/monthly operational logs, waste volume</i> <i>records in and out of landfill, unauthorized waste</i> <i>form sheets, waste cover maintenance, stormwater</i> <i>reports to ADEQ, and wet weather repair information.</i>	<ul> <li>a) Weekly/monthly operational logs exist (Y/N)? Y</li> <li>b) Photos of AEIR inspection attached (Y/N)? Y</li> <li>c) Waste volume in and out records exist (Y/N)? Y</li> <li>d) Unauthorized waste forms exist (Y/N)? Y</li> <li>e) Daily/weekly cover adequate at time of inspection (Y/N)? Y</li> <li>f) Alternative Daily Cover (ADC) Plan located onsite (Y/N)? Y</li> <li>operations in compliance with ADC Plan (Y/N)? Y</li> <li>g) Liquid Waste Management (LWM) Plan located onsite (Y/N)? N/A</li> <li>operations in compliance with LWM Plan (Y/N)? N/A</li> <li>h) Liquids received to be bulked during reporting period:</li> <li>N/A gallons N/A tons</li> <li>i) Waste cover of inactive areas maintained adequately (Y/N)? Y</li> <li>j) Net amount of waste disposed in landfill during reporting period:</li> <li>62,650 cubic yards N/A tons</li> </ul>	A
			k) Leachate head level less than 1' on liner at time of inspection (Y/N)? <u>Y</u>	
5	22.423(b)(5) 22.522(a)(5) 22.619(b)(5)	Updated contour map that depicts: Note: Provide updated drawing(s) and final cover permit drawing as Attachment B – discuss any discrepancies. Max. contour interval = 2 feet)	<ul> <li>a) Updated contour drawing attached (Y/N)? <u>Y</u></li> <li>b) Final cover permit drawing attached (Y/N)? <u>Y</u></li> <li>c) <i>List all discrepancies here:</i> <u>No discrepancies observed.</u></li> <li>d) Is there an overfill condition (Y/N)? <u>N</u></li> </ul>	В
		(i) horizontal and vertical extent of active and inactive fill areas;		
		(ii) status of all permitted units/cells; (Note: Label all active (working face, bulking area, stockpiles), inactive, closed and interim cover areas).	<ul> <li>a) Currently, does the facility have sufficient on-site quantities and types of soils for liner and cover construction of permitted units/cells (Y/N)? Y</li> <li>b) If not, where will deficiency shortfalls be obtained (be specific)? N/A</li> <li>c) Is the current Design Narrative earthwork balance accurate (Y/N)? Y</li> <li>Based on permitted plans, stockpiled soils located east of Area 5 and south of the closed area contain sufficient quantity for cell covers.</li> </ul>	
		(iii) survey grid (required by 22.426); Note: Include benchmarks and horizontal controls		
		<ul> <li>(iv) location of other visible surface features or improvements (e.g., roads, buildings, gas control systems, etc);</li> <li>Note: Include leachate risers, manholes, monitoring wells, gas wells, etc.</li> </ul>		
		(v) the person responsible for gathering the survey data and the date survey data was taken to prepare the map. <i>Reminder: Reporting period is calendar</i>	<ul> <li>a) Name: <u>Mason Surveying &amp; Consulting, Inc</u></li> <li>b) Name of person using the data to produce contour map: </li></ul>	

		year. Survey data should be collected to reflect the AEIR reporting period.		
6	22.423(b)(6) 22.522(a)(6) 22.619(b)(6)	Quantity, location, and characteristics of leachate collected, recirculated, and disposed. Note: Provide analytical report as Attachment C. Provide brief narrative on this form in space provided about leachate sources, how leachate is collected, measured and disposed. Also explained how the leachate head on the landfill liner is monitored and measured.	<ul> <li>a) Leachate Collected: <u>53,882,963 gallons</u></li> <li>b) Leachate Disposed: <u>53,882,963 gallons</u></li> <li>c) Leachate Recirculated: <u>N/A gallons</u></li> <li>d) Leachate Recirculation Plan exists (Y/N)? <u>N/A</u> ADEQ approval Doc # <u>N/A</u></li> <li>e) Leachate operating records exist (Y/N)? <u>N</u></li> <li>f) Leachate analytical report attached (Y/N)? <u>N</u> the leachate analytical data was included as part of the semi-annual groundwater monitoring reports submitted during the reporting period. 1st Half – 6.27.2024 and 2<sup>nd</sup> Half – 12.13.2024.</li> <li>g) Leachate narrative (collection, measurements, and disposal): <u>Areas 1-5 of the active landfill were constructed with a waste containment berm around the entire perimeter of the landfill. Leachate generated within each area flows to a center collection corridor where it then gravity drains to the northern leachate lift station. The existing landfill to the south has a final cover system installed and therefore the amount of infiltration that would generate leachate is considered negligible. However, the leachate lift station where it is pumped via forcemain to the northern leachate lift station, leachate is pumped into the plant's NPDES permitted wastewater treatment facility. The pump within the lift station is fitted with a run indicator that records the amount of time the leachate pump has operated. The pump run time is then multiplied by the pump flow rate of 461 gallons per minute to estimate the gallons of leachate disposed of during the reporting year.</u></li> <li>h) Leachate narrative (verifying &lt;1' head on liner system): Leachate sumps are inspected to verify depth of leachate. Also, float switches are set to activate the sump pumps at compliance levels.</li> </ul>	C (see note)
7	22.423(b)(7) 22.522(a)(7) 22.619(b)(7)	Maintenance of stormwater controls and best management practices for erosion control. <i>Note: List any upset conditions during the reporting</i> <i>period (i.e., washouts, etc). Also, include narrative</i> <i>about vegetation maintenance and repair.</i>	a) Briefly list maintenance activities and upset conditions here: Stormwater run-on is prevented from entering the active disposal area. The Facility performs routine maintenance at the site to minimize erosion of the Landfill cover system. Routine maintenance includes the removal of silt from the drainage pathways and conduits. Also, the placement of hay bales and/or rock check dams in the drainage pathways are used to control erosion. When required, seeding and mulching are used to control erosion on the landfill slopes and drainage pathways. The Landfill slopes are mowed as needed to manage vegetative growth.	

8	22.423(b)(8) 22.619(b)(8)	Status of capping and closure of completed areas. Note: List areas with acreage that have received interim or final cover. Include total landfilled area acreage not yet under final certified closed cover. Note: "Certified closed" means the facility has received an approval letter from ADEQ accepting the engineer's closure certification report.	<ul> <li>a) Lndfl unit/cell <u>Area 1</u>, <u>9.5</u> acres. Intrm or Final Cover (I/F): <u>F</u> Doc#: <u>30033</u></li> <li>b) Lndfl unit/cell <u>Area 2</u>, <u>8.4</u> acres. Intrm or Final Cover (I/F): <u>F</u> Doc#: <u>58876</u></li> <li>c) Lndfl unit/cell <u>Area 3</u>, <u>6.3</u> acres. Intrm or Final Cover (I/F): <u>F</u> Doc#: <u>62541</u></li> <li>d) Acres of disposed waste not under final certified cover: <u>23.1</u> acres</li> <li><u>Areas 4 and 5 (23.1 acres) do not have interim or final cover.</u></li> <li>e) Acres of disposed waste area that have interim cover: <u>0</u> acres</li> </ul>	
9	22.423(b)(9) 22.522(a)(8) 22.619(b)(9)	Status of remedial or corrective action activities. Note: List corrective action events during reporting period (e.g., seeps and erosion correction, leachate spills, unauthorized waste handling and removal, etc), and indicate whether action was taken in response to an ADEQ inspection. Note: If trust fund financial assurance mechanism is utilized, the trust fund must fully fund all acres permitted.	<ul> <li>a) Briefly list corrective actions events here: <u>The ADEQ conducted four site inspections during the reporting period.</u> <u>No allegations of noncompliance were observed during the site</u> <u>inspections.</u></li> <li>b) Were any of the corrective actions taken in response to an ADEQ inspection (Y/N)? <u>N/A</u></li> <li>c) Current status of corrective actions: <u>N/A</u></li> <li>d) Did corrective actions permanently solve the conditions (Y/N)? <u>N/A</u> <i>Explain briefly:</i></li></ul>	
10	22.423(b)(10) 22.522(a)(9) 22.619(b)(10)	Updated Financial Assurance documentation as required by Chapter 14. <i>Note: Include copy of most recent financial assurance</i> <i>documentation as Attachment D. Also, include</i> <i>updated closure and post closure cost estimated as an</i> <i>attachment– recommend to use the Closure Costs and</i> <i>Post-closure Care Costs Worksheet located at</i> <i>ADEQ - Solid Waste - Technical Branch Home Page</i> <i>Specific links to the worksheets:</i> http://www.adeq.state.ar.us/solwaste/branch_technical/ pdfs/closure_costs_worksheet.xlsx_and http://www.adeq.state.ar.us/solwaste/branch_technical/ pdfs/post_closure_care_costs_worksheet.xlsx Show <i>detailed calculations of cost items in tabular format</i> <i>with specific item breakdowns. Also, show source of</i> <i>unit cost information and/or inflationary factor</i> <i>adjustments – use ADEQ factors where applicable. If</i> <i>updated unit cost information is used instead of</i> <i>inflationary factors, show the source of unit cost</i> <i>information. Confirm estimates are based on largest</i> <i>area ever requiring final cover.</i>	<ul> <li>a) Size of facility property under current permit? <u>185</u> acres</li> <li>b) Size of actual permitted disposal area? <u>100</u> acres</li> <li>c) What is the current total permitted disposal area that contains disposed waste but is not certified closed? <u>23.1</u> acres</li> <li>d) Updated closure cost estimate amount: <u>\$2,760,060</u></li> <li>e) Is the closure cost estimate based on the largest area ever requiring closure (Y/N)? <u>Y</u></li> <li>f) Is the existing closure financial assurance adequate for acreage not yet certified closed (Y/N)?: <u>Y</u></li> <li>g) Updated post closure care cost estimate amount: <u>\$1,028,573</u></li> <li>h) Is the existing post closure care financial assurance adequate for all permitted areas (Y/N)?: <u>Y</u></li> <li>i) Is the financial assurance mechanism a trust fund (Y/N)? <u>N</u></li> <li>j) Are the sources of information for updated unit cost line items shown on the cost estimate calculations (Y/N?): <u>Y</u></li> <li>k) Do the unit cost items for soil cover material include actual third party cost of materials and labor (Y/N?): <u>Y</u></li> </ul>	D

11	22.423(b)(11) 22.522(a)(10) 22.619(b)(11)	Revised or updated facility Closure Plan in accordance with Chapter 13. <i>Note: Provide updated Closure Plan as Attachment E</i> <i>if facility obtained a permit modification during the</i> <i>reporting period that affects the closure and/or post</i> <i>closure care.</i>	<ul> <li>a) Was an updated Closure Plan required during this reporting period (Y/N)?: <u>N</u></li> <li>b) Is an updated Closure Plan attached herein (Y/N)? <u>N</u></li> <li><u>A Closure Plan was updated as part of a Minor Permit Modification Application submitted to the DEQ June 5, 2025. The Minor Permit Modification application is still under review by the DEQ.</u></li> </ul>	
12	22.423(b)(12) 22.522(a)(11) 22.619(b)(12)	Other items that affect compliance. Note: Include an ADEQ enforcement activity summary (solid waste, water, air, hazardous waste related) and, status of operating and permit fees. Also, include brief narrative concerning groundwater monitoring reports, landfill gas, leachate recirculation, alternate daily cover, etc	<ul> <li>a) Are there current ADEQ enforcement actions (Y/N)? <u>N</u></li> <li>b) Summary of enforcement actions: <u>N/A</u></li> <li>c) Are operating and permit fees payments up-to-date (Y/N)? <u>Y</u></li> <li>If not explain: <u>Additional Information</u>:</li> <li>d) Does the facility monitor groundwater (Y/N)?: <u>Y</u></li> <li>If so, is it detection monitoring or assessment monitoring?: <u>Detection</u></li> </ul>	
			<ul> <li>e) What is the groundwater analytical sampling frequency? <u>6</u> months</li> <li>f) Does the facility collect landfill gas (Y/N)?: <u>N</u></li> <li>g) Does the facility have a Gas Monitoring Plan (Y/N)? <u>N</u></li> <li>h) Does the facility have gas monitoring probes (Y/N)? <u>N</u></li> <li>i) Does the facility use an alternate daily cover (ADC)(Y/N)? <u>Y</u></li> <li>If so, what type of ADC is used: <u>Wastewater filter cake "press sludge" &amp; wood bark residue.</u></li> <li>If so, list document id# approving ADC: <u>Specific Condition (12) of the permit and Doc#: 60468.</u></li> <li>j) Does the facility have a Liquid Waste Management (LWM) Plan (Y/N)? <u>N</u></li> <li>If so, list document id# approving the LWM Plan: <u>N/A</u></li> <li>k) Date and document id # of currently approved Operating Plan and Narrative: Date: <u>09/2020</u> Doc#: <u>78965</u></li> <li>Date: <u>10/2020</u> Doc#: <u>78782</u></li> <li>m) Date and document id # of currently approved Closure/ Post Closure Plan: Date: <u>08/2020</u> Doc#: <u>28317</u></li> <li>n) Date and document id # of currently approved Design Narrative: Date: <u>12/1995</u> Doc#: <u>28002</u></li> <li>o) Are weigh scales utilized at the landfill (Y/N)? <u>N</u></li> <li>q) Does the final cap include a synthetic liner (Y/N)? <u>N</u></li> <li>q) Does the final cap include clay liner (Y/N)? <u>Y</u></li> </ul>	

13	22.423(b)	Certification of AEIR Report: "I have inspected the	a) Arkansas Licensed Engineer:		
	22.522(a)	landfill site and have prepared this report to reflect			
	22.619(6)	plans, specifications, narrative, and all applicable regulations"	Sign: <u>Jonathan King</u> b) License Number: <u>14977</u> c) Atlach seal here:	Date:6/27/2025	
			PROMUS ENGINEERING, LLC. No. 3021	ARKANSAS JONATOON LICENSED PROFESSIONAL ENGINEER No. 20682 MAN BRUCE	

June 27, 2025 Project: 250094

# **Attachment A** Photographic Log



#### PHOTOGRAPHIC LOG -



**Photo No. 1** Looking southwest at the active working face in Area 5.

Photo No. 2 Looking south at the eastern slope of Area 5.





**Photo No. 3** Looking southeast at the active working face in Area 5.



#### PHOTOGRAPHIC LOG



**Photo No. 4** Looking north at the future Area 6 footprint, located between Area 3 and Area 4.



Photo No. 5 Looking west at the northern slopes of Areas 1-3.



Photo No. 6 Looking east at the southern slope of Area 4-5.



### PHOTOGRAPHIC LOG -



**Photo No. 7** Vertical leachate sump riser located on the south side of the existing closed landfill.



Photo No. 8 Northern leachate lift station located on the north end of future Area 6.



**Photo No. 9** Looking east at the northern landfill perimeter near the north leachate lift station.



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# **Attachment B** Updated Drawings







NUMBER	NORTHING	EASTING	ELEVATION
B-11	976.0600	4088.0700	304.2000
BM-2	965.3200	3100.5400	310.6800
BM-3	950.0000	3300.0000	313.0200





PERMITTED LANDFILL BOUNDARY
CELL BOUNDARY
EXISTING CONTOURS
EXISTING OVERHEAD ELECTRIC
EXISTING POWERPOLE
EXISTING GROUNDWATER MONITORING WELL
EXISTING LEACHATE MANHOLE
EXISTING SITE BENCHMARK
EXISTING RAILROAD
EXISTING GRAVEL PAVED ROAD
EXISTING CLOSED LANDFILL AREA



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DATE

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NOTES:

 EXISTING TOPOGRAPHY WAS OBTAINED FROM A DRONE SURVEY PERFORMED BY MASON SURVEYING AND CONSULTING, DATED DECEMBER 19, 2024 COMBINED WITH AN AERIAL SURVEY FROM 2009.



June 27, 2025 Project: 250094

# **Attachment D** Updated Financial Assurance



LAN	ANDFILL CLOSURE - COST ESTIMATE WORKSHEET						
	OWNER: Arkansas Kraft Division			0284-S3N	AFIN No: 15-00001		
	OPERATOR: Green Bay Packaging Inc		ESTIMATO	R: Brad N. Fureigi	n, P.E. (Ark. Lice	nsed P.E. #: 14977)	DATE: June 4, 2025
	TOTAL PERMITTED WASTE DISPOSAL ACRES: ±100						
	TOTAL PERMITTED ACRES CERTIFIED CLOSED: ±69.2	E: +22.0	ACRES CUR	RENTLY OPEN: 23	8.1		
	EILL CLOSURE COST ESTIMATE WORKSHEET	E: 133.0			Peri	nit: 0284-53N	AFIN: 15-00001
ITEM		OUANTITY	UNITS	UNIT COST	COST	SUBTOTALS	
No. 1.0.0	PROFESSIONAL SERVICES						
1.1.0	Engineering (Design, Bid Documents, Procurement, Construction Contract			¢50.000	ć 50.000		Foreing de Fotimente
1.2.0	Mangement) Topographic and Boundary Survey	33	ACRE	\$50,000 \$915	\$ 50,000 \$ 30,195		Engineer's Estimate
1.3.0	Engineering Services (Construction Oversight, Testing, Reporting, Certification)	1	Lump Sum	\$156,750	\$ 156,750		Engineer's Estimate
200	Professional Services Subtotal EINAL COVER					\$ 236,945	
2.0.0	Low Permeability Soil Layer						
2.1.1 2.1.2	Contractor Mobilization/Demobilization Preparation of landfill to receive cover (final grading)	33	ACRE	\$75,000 \$1,500	\$ 75,000 \$ 49,500		Engineer's Estimate Engineer's Estimate
2.1.3	Geosynthetic Clay Liner Clay, On-site (excavate, transport, place, compact) (Quantity must match earthwork	0	SQ. FT.	\$0.00	\$ -		N/A
2.1.4	balance) I nw Permeability Soil Laver Subtotal	106,480	CU. YD.	\$10.00	\$ 1,064,800	\$ 1,189,200	Engineer's Estimate
2.2.0	Geomembrane and Drainage Layer					5 1,185,500	
2.2.1 2.2.2	Drainage materialsand Drainage materialgeocomposite (purchase + install)	0	CU. YD. SQ. FT.	\$0.00 \$0.00	\$ - \$ -		N/A N/A
2.2.3	Geomembrane (40 mil HDPE) Geomembrane and Drainage Laver Subtotal	0	SQ. FT.	\$0.00	\$ -		N/A
2.3.0	Protective Soil and Vegetative Layer						
2.3.1	Protective SOII, UN-SITE (excavate, transport, place, compact) (Quantity must match earthwork balance and must be guaranteed for future availability)	0	CU. YD.	\$0.00	\$ -		N/A
2.3.2	Protective Soil, Off-Site (excavate, transport, place, compact) (Quantity must match earthwork balance)	0	CU. YD.	\$0.00	\$ -		N/A
2.3.3	Vegetative Soil (Topsoil), On-site (excavate, transport, place) (Quantity must match earthwork balance and must be guaranteed for future availability)	0	CU. YD.	\$0.00	\$ -		N/A
2.3.4	Vegetative Soil (Topsoil), Off-site (excavate, transport, place) (Quantity must match earthwork balance)	26,620	CU. YD.	\$20.00	\$ 532,400		Engineer's Estimate
2.3.5	Seeding and mulching	33	ACRE	\$4,000	\$ 132,000 \$ 24,750		Engineer's Estimate
2.3.0	Protective Soil and Vegetative Layer Subtotal	35	ACIL	5750	Ş 24,730	\$ 689,150	Engineer 3 Estimate
3.0.0	EROSION CONTROL	1.0	16	¢35.000	¢ 25.000		Foreing of Fahrende
3.2.0	Checkdams, filters, inlet/outlet protection	1.0	LS Lump Sum	\$25,000	\$ 20,000		Engineer's Estimate
3.3.0 3.4.0	Grass ditching/channels Concrete ditch lining & Concrete Culverts	0	Lin. FT. Lin. FT.	\$0.00 \$0.00	\$ - \$ -		N/A N/A
	Erosion Control Subtotal					\$ 45,000	
4.0.0	GAS SYSTEM Gas vents vents average denth	0	Lin FT	\$0.00	<u>د</u> .		N/A
4.2.0	Passive System			÷0.00			
4.2.1 4.3.0	Passive well head flare Active System	0	EACH	\$0.00	ş -		N/A
4.3.1	Flare, BTU/hour	0	EACH	\$0.00	\$ - \$ -		N/A N/A
4.3.4	Ancillary gas equipment (piping, blowers, condensate collection)	0	ACRE	\$0.00	ş -		N/A
5.0.0						\$ -	
5.1.0	Well installation		EACH	\$0.00	\$ -		N/A
5.2.0	Upgrade existing wells Dedicated pump/sampling system installation/upgrade	1	EACH	\$5,000.00 \$3,000.00	\$ 5,000 \$ 3,000		Engineer's Estimate Engineer's Estimate
5.4.0	Baseline sample collection (4 events per first year, 2 samples per event)	4	EVENT	\$4,000.00	\$ 16,000		Engineer's Estimate
5.5.0	Baseline sample analysis and reporting (4 events per first year, 2 samples per event))	4	EVENT	\$2,500.00	\$ 10.000		Engineer's Estimate
	Groundwater Monitoring System Subtotal				,	\$ 34,000	
6.0.0	LEACHATE COLLECTION SYSTEM	0	Lin FT	\$0.00	¢ .		Ν/Δ
6.2.0	Additional/upgrades to pumps	2	EACH	\$3,000.00	\$ 6,000.00		Engineer's Estimate
6.4.0	Additional/upgrades to storage containers Baseline sample collection	1	EACH	\$0.00	\$ - \$ 5,000.00		N/A Engineer's Estimate
6.5.0	Baseline sample analysis and reporting Leachate Collection System Subtotal	1	EACH	\$10,000.00	\$ 10,000.00	\$ 21,000	Engineer's Estimate
7.0.0	OPERATIONS AND INVENTORY REMOVAL					,	
7.1.0	Excess solid waste Mobile equipment/machinery (e.g., containers. tanks. etc)	0	CU. YD. Lump Sum	\$0.00 \$0.00	\$ - \$ -		N/A N/A
7.3.0	Stored leachate	0	GAL.	\$0.000	\$ -		N/A N/A
7.4.0	Operations and Inventory Removal Subtotal	U	CU. 1D.	\$U.UQ		\$ -	170 
8.0.0	DEMOLITION/REMOVAL SITE IMPROVEMENTS						
8.1.0 8.2 0	UTTICe/snop/maintenace and other ancillary buildings Equipment to be decommisioned (e.g., weigh scales, bulking/solidification pits,	0	Lump Sum	\$0	\$ - •		N/A
8.3.0	collection pits/sumps, piping, etc) Site Utilities	1	Lump Sum Lump Sum	\$25,000 \$10,000	\$ 25,000 \$ 10,000		Engineer's Estimate Engineer's Estimate
	Demolition/Removal Site Improvements Subtotal					\$ 35,000	
9.0.0 9.1.0	REPLACE/REBUILD SITE ACCESS CONTROLS	0	Lin. FT.	ŚO	\$ -		N/A
9.2.0	Gates	2	Lump Sum	\$20,000	\$ 40,000		Engineer's Estimate
9.3.0	20' Wide Perimeter Access road	1,000	Lump Sum	\$5,000	\$ 10,000 \$ 150,000		Engineer's Estimate
10 0 0	Replace/Rebuild Site Access Controls Subtotal BORROW AREA RECLAMATION					\$ 200,000	
10.0.0	Regrade and site prep	5	ACRE	\$7,000	\$ 35,000		Engineer's Estimate
10.2.0 10.3.0	Soil, On-site (excavate, transport, place, compact) Soil, Off-site (excavate, transport, place, compact)	0	CU.YD. CU. YD.	\$0.00 \$0.00	\$ - \$ -		N/A N/A
10.4.0	Seeding and mulching	5	ACRE	\$4,000	\$ 20,000		Engineer's Estimate
10.5.0	Borrow Area Reclamation Subtotal	5	ACKE	\$750	ş 3,/50	\$ 58,750	Engineer's coundle
11.0 0	MISCELLANEOUS			Total Closure Co	ost Subtotal	\$ 2,509,145	
11.1.1	Administration and Contingency	1	LS	\$250,915	\$ 250,915		Approximately 10% of Total Closure Cost
	VIISC. SUD(OTA)	т	DTAL CU	RRENT CLOS	URE COST	\$ 250,915 \$ 2,760,060	

LAN	IDFILL POST-CLOSURE CARE -	ANNU	JAL C	OST EST	IMATE	WORK	SHEET
	OWNER: Advances Keeft Division		DED MIT NO	0204 620		A FINI: 15 00001	
	ORENATOR: Green Ray Daskaging Los			U284-S3N	D.E. (Ark Liconcou	AFIN: 15-00001	DATE: June 4, 2025
	TOTAL PERMITTED WASTE DISPOSAL ACRES: +100		Contractor	a brad iv. i dreign,	r.c. (Ark. Election	ar.c.#. 145777	DATE JULE 4, 2023
	TOTAL PERMITTED ACRES CERTIFIED CLOSED: ±69.2						
LANI	FILL POST-CLOSURE CARE - ANNUAL COST	<b>FESTIMA</b>	TE WOI	RKSHEET	Per	rmit: 0284	S3N AFIN: 15-00001
ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	COST	SUBTOTALS	SOURCE OF UNIT COST INFO
1.0.0	PROFESSIONAL SERVICES	1					
1.1.0	bid, contract management)	1	Lump Sum	\$4,500	\$ 4,500		Engineer's Estimate
1.2.0	required)	1	Lump Sum	\$3,500	\$ 3,500		Engineer's Estimate
1.3.0	Reporting, Certification)	1	Lump Sum	\$60,000	\$ 60,000		Engineer's Estimate
2.0.0	Professional Services Annual Subtotal FINAL COVER ROUTINE MAINTENANCE					\$ 68,000	
2.1.0			51 (F.) (F.)	45.000	4 40.000		
2.2.0	Inspect soil cover, vents, flares, drainage letdowns and outfalls, etc Mowing/Trimming (100 acres twice per year)	2 200	ACRE	\$5,000	\$ 10,000 \$ 12,000		Engineer's Estimate Engineer's Estimate
2.3.0	Clean Drain/Vent Openings	0	EVENT	\$0	\$ -		N/A
	Final Cover Routine Maintenance Annual Subtotal					\$ 22,000	
3.0.0	FINAL COVER REPAIRS Remove/incorporate unacceptable materials (e.g., dead vegetation, solid	1					
3.1.0	waste) Scarify and prepare surface	10	ACRE	\$55 \$1,500	\$ 550 \$ 15.000		Engineer's Estimate Engineer's Estimate
3.3.0	Soil, On-Site (excavate, transport, place, compact)	32,267	CU. YD.	\$7.00	\$ 225,867		Engineer's Estimate
3.4.0 3.5.0	Soil, Off-site (excavate, transport, place, compact) Seeding and mulching	10	CU. YD. ACRE	\$0.00 \$2,500	\$ - \$ 25,000		N/A Engineer's Estimate
3.6.0	Fertilizer Final Cover Repairs Annual Subtotal	10	ACRE	\$500	\$ 5,000	\$ 271.417	Engineer's Estimate
4.0.0	ACCESS ROADS REPAIRS					<i>y 2,12,427</i>	
4.1.0	Reshape/regrade subgrade	1,000	SQ. FT.	\$2.30	\$ 2,300		Engineer's Estimate
4.2.0	Drainage Structures (e.g., culverts,	0	LS	343 \$0	\$ 1,007 \$ -		N/A
4.4.0	Concrete lined ditching/channels Access Roads Repair Annual Subtotal	0	LS	\$0	ş -	\$ 3,967	N/A
5.0.0	SURFACE WATER MANAGEMENT OPERATION AND N	IAINTENAN	ICE (O&N	1)			
5.1.0	Collection system operation and maintenance (ditches, piping conveyances, outfalls, sampling points repair/replace)	0	Lump Sum	\$0	s -		N/A
5.2.0	Stormwater storage (sediment pond) operation/repairs	0	Lump Sum	\$0	\$ - ¢		N/A
5.4.0	Sample collection Sample analysis and reporting	0	EVENT	\$0	\$ -		N/A
6.0.0	Surface Water Management O&M Annual Subtotal IFACHATE COLLECTION SYSTEM O&M					ş -	
	Generation Rate = 35,000,000 gal/yr.						
6.1.0	Collection operation/maintenance (pump, piping, storageoperation/repair/replace)	1	YEAR	\$3,500	\$ 3,500		Engineer's Estimate
6.2.0	Leachate loading, off-loading and off-site transportation	0	EVENT	\$0.00	\$ -		N/A
		0	GAL.	\$0.000	\$ - \$ -		N/A N/A
6.4.0	Additional/upgrades for piping, pumps and storage	0			4		
6.4.0 6.5.0 6.6.0	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting	0	YEAR	\$0 \$3,500	\$ - \$ 3,500		N/A Engineer's Estimate
6.4.0 6.5.0 6.6.0	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System O&M Annual Subtotal	0	YEAR	\$0 \$3,500	\$ - \$ 3,500	\$ 7,000	NA Engineer's Estimate
6.4.0 6.5.0 6.6.0 7.0.0	Additionaryupgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System O&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Number of Wells in Approved System = 11	0	YEAR YEAR	\$0 \$3,500	\$ - \$ 3,500	\$ 7,000	NA Engineer's Estimate
6.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0	Additionar/upgrades for piping, pumps and storage Leachate sample analysis and reporting Leachate sample analysis and reporting GROUNDWATE Collection System O&M Annual Subtotal Womber of Wells in Approved System = 11 Well maintenance (e.g., protective casing (lock & hinges)		YEAR YEAR	\$0 \$3,500	\$ 3,500	\$ 7,000	NA Engineer's Estimate
6.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0 7.2.0	Additionar/upgrades for piping, pumps and storage Leachate sample analysis and reporting Leachate Collection System O&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Number of Wells in Approved System = 11 Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells	0 0 1 1	YEAR YEAR LS LS	\$0 \$3,500 \$1,350 \$1,350 \$1,100	\$ - \$ 3,500 \$ 1,350 \$ 1,100	\$ 7,000	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate
6.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0 7.2.0 7.3.0 7.4.0	Additionar/upgrades for piping, pumps and storage Leachate sample analysis and reporting Leachate collection system O&M Annual Subotal GROUNDWATER MONITORING SYSTEM O&M Number of Wells in Approved System = 11 Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells Well Replacement Sample collection (2 events per year)	0 0 1 1 1 1 2	YEAR YEAR LS LS LS EVENT	\$0 \$3,500 \$1,350 \$1,350 \$1,100 \$1,100 \$5,300	\$ - \$ 3,500 \$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600	\$ 7,000	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate
6.3.0           6.4.0           6.5.0           6.6.0           7.0.0           7.1.0           7.2.0           7.3.0           7.4.0           7.5.0	Additionaryupgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System GMA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevolop existing wells Well Replacement Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year)	0 0 1 1 1 1 1 2 2	YEAR YEAR LS LS EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$1,100 \$1,100 \$5,300 \$14,500	\$ - \$ 3,500 \$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000	\$ 7,000	NA Engineer's Estimate
6.3.0           6.4.0           6.5.0           6.6.0           7.0.0           7.1.0           7.2.0           7.3.0           7.4.0           7.5.0           8.0.0	Additionaryupgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System GMA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevolop existing wells Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M	0 0 1 1 1 1 1 2 2	YEAR YEAR LS LS EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$1,100 \$5,300 \$14,500	\$ - \$ 3,500 \$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000	\$ 7,000 \$ \$ 43,150	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate
6.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0 7.1.0 7.2.0 7.3.0 7.4.0 7.5.0 8.0.0 8.0.0	Additionaryupgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System C&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells	0 0 1 1 1 1 2 2	YEAR YEAR LS LS LS EVENT EVENT	\$0 \$3,500 \$1,00 \$1,100 \$5,300 \$14,500 \$14,500	\$ 1,350 \$ 1,100 \$ 1,100 \$ 1,100 \$ 29,000	\$ 7,000 \$ \$ 43,150	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate
6.3.0           6.4.0           6.5.0           6.6.0           7.0.0           7.1.0           7.2.0           7.3.0           7.3.0           7.5.0           8.0.0           8.1.0           8.2.0	Additionaryupgrades for piping, pumps and storage Leachate sample collection Leachate sample collection Leachate Collection System S4M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring of probes/Wells Methane monitoring of probes/Wells	0 0 1 1 1 2 2 0 0	YEAR YEAR LS LS LS EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$1,100 \$5,300 \$14,500 \$2,200 \$1,700	\$ 1,350 \$ 1,350 \$ 1,100 \$ 1,100 \$ 1,000 \$ 29,000 \$ 29,000 \$ - \$ - \$ -	\$ 7,000 \$ 43,150	NA Engineer's Estimate N/A N/A N/A N/A
6.3.0           6.4.0           6.5.0           6.6.0           7.0.0           7.1.0           7.2.0           7.3.0           7.3.0           7.4.0           7.5.0           8.0.0           8.1.0           8.2.0           8.3.0           8.4.0	Additionar/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System C&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal	0 0 1 1 1 2 2 2 0 0 0 0	YEAR YEAR LS LS LS EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,300 \$1,100 \$5,300 \$14,500 \$1,700 \$2,300 \$1,700	\$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000 \$ 29,000 \$ 29,000	\$ 7,000 \$ 43,150 \$ -	NA Engineer's Estimate N/A N/A N/A N/A N/A N/A
b.3.0           6.4.0           6.5.0           6.5.0           7.0.0           7.1.0           7.2.0           7.3.0           7.5.0           8.0.0           8.1.0           8.2.0           8.3.0           8.3.0           9.0.0	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System C&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Sample analysis and reporting (2 events per year) Gas Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS CASING Street O&M Annual Subtotal GAS CASING Street O&M Annual Subtotal GAS CASING Street O&M Annual Subtotal GAS MONITORING SYSTEM O&M	0 0 1 1 1 2 2 2 0 0 0 0	YEAR YEAR LS LS LS EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,300 \$1,100 \$5,300 \$14,500 \$1,700 \$2,300 \$1,700	\$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000 \$ 5 - \$ - \$ - \$ -	\$ 7,000 \$ 43,150 \$ -	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate N/A N/A N/A N/A
6.3.0 6.4.0 6.5.0 7.0.0 7.1.0 7.2.0 7.3.0 7.3.0 7.3.0 7.4.0 7.5.0 8.0.0 8.1.0 8.2.0 8.3.0 8.3.0 9.0.0 9.1.1	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System C&M Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample collection (2 events per year) Sample collection (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive System	0 0 1 1 1 1 1 2 2 2 2 0 0 0 0 0	YEAR YEAR LS LS LS EVENT EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,300 \$1,100 \$5,300 \$1,100 \$5,300 \$1,700 \$550 \$1,700 \$550 \$1,700 \$550	\$ 1,350 \$ 1,350 \$ 1,100 \$ 1,100 \$ 1,100 \$ 1,100 \$ 1,100 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 3,500 \$ 3,50	\$ 7,000 \$ 43,150 \$ -	NA Engineer's Estimate N/A N/A N/A N/A N/A N/A N/A N/A
6.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0 7.1.0 7.2.0 7.3.0 7.4.0 7.3.0 7.4.0 7.3.0 7.4.0 8.0.0 8.1.0 8.1.0 8.2.0 8.4.0 8.4.0 9.0.0 9.1.1 9.2.0	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System & MA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Mumber of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive well head flare maintenance Active System		YEAR YEAR LS LS LS EVENT EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,100 \$5,100 \$5,100 \$1,100 \$5,200 \$1,700 \$1,700 \$550 \$1,700 \$1,700 \$550 \$1,700 \$1,700 \$1,700 \$1,700 \$1,700 \$1,700 \$1,700 \$1,800 \$1,800 \$1,800 \$1,800 \$1,800 \$1,800 \$1,800 \$1,800 \$1,800 \$1,100 \$1,000 \$1,	\$ 1,350 \$ 1,350 \$ 1,100 \$ 1,100 \$ 1,100 \$ 1,100 \$ 1,0600 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 29,000 \$ 3,500 \$ 3,5000 \$ 3,500	\$ 7,000 \$ 43,150 \$ -	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate N/A N/A N/A N/A N/A N/A N/A N/A
b.3.0           6.4.0           6.5.0           6.5.0           6.5.0           6.5.0           6.5.0           6.6.0           7.0.0           7.1.0           7.2.0           7.3.0           7.4.0           7.5.0           8.0.0           8.1.0           8.2.0           8.3.0           8.3.0           9.0.0           9.1.1           9.2.0           9.2.1           9.2.1	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System & MA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement, well pad repair/replace, etc) Sample analysis and reporting (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structure (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive System Passive well head flare maintenance Active System Flare Additional Well Installation/Upgrades	0 0 1 1 1 1 1 1 2 2 2 2 0 0 0 0 0 0 0 0	VEAR VEAR VEAR LS LS LS EVENT EVENT EVENT EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,300 \$14,500 \$14,500 \$14,500 \$14,500 \$1,700 \$550 \$1,700 \$550 \$1,700 \$550 \$1,700\$1,700 \$1	\$ 1,350 \$ 1,350 \$ 1,350 \$ 1,100 \$ 1,100 \$ 1,100 \$ 29,000 \$ 29,000 \$ 29,000 \$ 5 - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 7,000 \$ 43,150 \$ -	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate N/A N/A N/A N/A N/A N/A N/A
0.3.0         6.4.0           6.5.0         6.6.0           7.0.0         7.0.0           7.1.0         7.2.0           7.3.0         7.3.0           8.0.0         8.0.0           8.3.0         8.4.0           9.0.0         9.1.1           9.2.1         9.2.2           9.2.2         9.2.3	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate sample analysis and reporting Leachate Collection System & MA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Uggrade/redevelop existing wells Well Replacement, well pad repair/replace, etc) Uggrade/redevelop existing vells Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive System Passive well head flare maintenance Active System Flare Additional Well Installation/Upgrades Ancillary gas equipment repair/replacement (piping, blowers, condensate collection)	0 0 1 1 1 1 1 1 2 2 2 2 2 0 0 0 0 0 0 0	VEAR VEAR LS LS LS EVENT EVENT EVENT EVENT EVENT EVENT EVENT	\$0 \$3,500 \$1,350 \$1,100 \$5,300 \$1,100 \$5,300 \$1,100 \$5,300 \$1,100 \$5,300 \$1,700 \$550 \$1,700 \$550 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ -5 \$ 3,500 \$ 1,350 \$ 1,100 \$ 1,100 \$ 1,100 \$ 29,000 \$ 29,000 \$ 29,000 \$ -5 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 7,000 \$ 43,150 \$	NA Engineer's Estimate N/A
0.3.0 6.4.0 6.5.0 6.6.0 7.0.0 7.1.0 7.2.0 7.3.0 7.4.0 7.3.0 7.4.0 7.3.0 7.4.0 7.3.0 7.4.0 7.	Additional/upgrades for piping, pumps and storage Leachate sample collection Leachate collection System & MA Annual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells Well Replacement Well Replacement Well Replacement (et al. 2006) Sample analysis and reporting (2 events per year) Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System & MA nnual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System Ø&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive System Passive well head flare maintenance Active System Flare Additional Well Installation/Upgrades Ancillary gas equipment repair/replacement (piping, blowers, condensate collection)		VEAR VEAR VEAR LS LS EVENT EVENT EVENT EVENT EVENT EVENT EVENT EVENT LUMP Sum	\$0 \$3,500 \$1,000 \$1,100 \$5,300 \$1,100 \$5,300 \$1,200 \$550 \$1,200 \$550 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ - \$ 3,500 \$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000 \$ 29,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 7,000 \$ 43,150 \$ \$	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate N/A N/A N/A N/A N/A N/A N/A N/A
0.5.0         6.6.0           6.5.0         6.6.0           7.0.0         7.1.0           7.1.0         7.3.0           7.3.0         7.3.0           7.5.0         8.0.0           8.0.0         8.1.0           8.1.0         9.1.1           9.2.1         9.2.1           9.2.2         9.2.3           100.00         0	Additional/upgrades for piping, pumps and storage Leachate sample analysis and reporting Leachate collection Automatical System Call Manual Subtotal GROUNDWATER MONITORING SYSTEM O&M Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc) Upgrade/redevelop existing wells Well Replacement Sample collection (2 events per year) Sample analysis and reporting (2 events per year) Sample analysis and reporting (2 events per year) Groundwater Monitoring System O&M Annual Subtotal GAS MONITORING SYSTEM O&M Number of Gas Monitoring Probes/Wells Methane monitoring at the boundary and structures (4 per year) Sample analysis and reporting Gas Monitoring System O&M Annual Subtotal GAS EXTRACTION SYSTEM O&M Passive System Fare Additional Well Installation/Upgrades Anciliery gas equipment repair/replacement (piping, blowers, condensate collection) Gas Extraction System O&M Annual Subtotal CORECTIVE ACION EVALUATION AND IMPLEMENT	0 0 1 1 1 1 1 2 2 2 2 0 0 0 0 0 0 0 0 0	VEAR VEAR VEAR LS LS EVENT EVENT EVENT EVENT EVENT EVENT EVENT EVENT	\$0 \$3,500 \$1,100 \$1,100 \$5,300 \$1,100 \$5,300 \$1,200 \$5,300 \$1,200 \$5,50 \$1,200 \$5,50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ 1,350 \$ 1,350 \$ 1,100 \$ 1,100 \$ 10,600 \$ 29,000 \$ 29,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 7,000 \$ 43,150 \$ \$	NA Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate Engineer's Estimate N/A N/A N/A N/A N/A N/A N/A
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