#### Haley Griffith (adpce.ad)

#### Subject:

RE: Eco-Vista Class 4 Landfill - 2023 AEIR (Permit 0290-S4-R2; AFIN: 72-00144)

From: Brad Fureigh [mailto:bfureigh@promusengineering.com]
Sent: Friday, March 29, 2024 4:28 PM
To: Greg Banic (adpce.ad) <<u>Greg.Banic@adeq.state.ar.us</u>>; Jason Gilkey (adpce.ad) <<u>jason.gilkey@adeq.state.ar.us</u>>; Cc: Simmons, Carl <<u>csimmons@wm.com</u>>; Small, Blake <<u>bsmall@wm.com</u>>; Tennison, Don <<u>dtenniso@wm.com</u>>; Reynolds, Jodi <<u>jreyno10@wm.com</u>>; Conrad, David <<u>DConrad@wm.com</u>>; Jonathan King<<<u>jking@promusengineering.com</u>>
Subject: Eco-Vista Class 4 Landfill - 2023 AEIR (Permit 0290-S4-R2; AFIN: 72-00144)

Good afternoon Greg,

Please see attached the 2023 Annual Engineering Inspection Report for the Eco-Vista Class 4 Landfill (Permit 0290-S4-R2; AFIN: 72-00144). Please let us know if you have any questions or comments.

Thanks!

Brad N. Fureigh, PE Principal Engineer | Promus Engineering, LLC M: (501) 554-4547 bfureigh@promusengineering.com www.promusengineering.com

AFIN: 72-00144	
PMT#: 0290-S4-R2	
Received	
By Haley Griffith at 9:28 am, Apr 1, 2024	
DOC ID#: 85298	
TO: <u>GB&gt;FILE</u> <hg< td=""><td></td></hg<>	

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### **2023 ANNUAL ENGINEERING INSPECTION REPORT**

### WM Eco-Vista Class 4 Landfill Springdale, Arkansas

Permit No. 0290-S4-R2 AFIN: 72-00144

March 29, 2024 Promus Project No. 240011

> Prepared for: Eco-Vista, LLC.



Prepared by:



ANNUAL F	ENGINEERING	<b>INSPECTION REP</b>	ORT (A	AEIR) FO	RM	Report	ing Year: <u>20</u> 2	23
Note: Check ap	plicable landfill class.	Class 1 (Reg 22.423(b))	9	<b>Class 3 (22</b>	2.522(a))	_, Class 4 (	22.619(b)) <u>X</u>	_
Facility Name:	Waste Management E	co-Vista Class 4 Landfill	AFIN:	72-00144	Permit #:	0290-S4-R2	Landfill Class:	4

 Report Submittal Date:
 March 29, 2024
 Date of Landfill Site Inspection by Certifying Engineer:
 March 21, 2024

Con	plete the	form as indicated	COLUMN TO BE COMPLETED BY REPORTER	
Inst	ructions d	re bolded and italicized.		
Item	Regulation Reference	Item Description	<b>Report Information/Comments/Remarks</b>	Attachment Reference
1	22.423(b)(1) 22.522(a)(1) 22.619(b)(1)	Remaining volume in current cell.	a) <u>309,700</u> cubic yards	
		Projected date of opening new cell.	b) Date: <u>2025</u>	
2	22.423(b)(2) 22.522(a)(2)	Remaining volume of all permitted units.	a) <u>1,369,000</u> cubic yards	
	22.619(b)(2)	Total air space used during the reporting period.	b) <u>221,140</u> cubic yards	
		Estimated remaining site life (years) based on utilization rate during the reporting period. <i>Note: Itemize current permitted unit/cell information</i> - use attachment if necessary.	<ul> <li>c) Landfill Unit/Cell remaining life: Landfill unit/cell <u>Cells 1-8A</u>, <u>1.4</u> years. Landfill unit/cell <u>years</u>, years.</li> <li>d) Entire permitted landfill: <u>6.2</u> years remaining life.</li> </ul>	
3	22.423(b)(3) 22.522(a)(3) 22.619(b)(3)	Documentation of fill progression in compliance with permit plans, specs and operating plan and narrative. <i>Note: Provide narrative regarding fill progression</i> <i>during the reporting period. Be specific about landfill</i> <i>unit/cell designations (example: Cell 1, Phase A</i> <i>completely filled; Cell 2, Phase A, 50% full, being</i> <i>filled south to north as of December 31). Specifically</i> <i>note any overfill conditions.</i>	a) Progression narrative: <u>Currently</u> , the active landfill footprint that is prepared for disposal of waste consists of Cells 1-8A. During the reporting period, waste was placed throughout the active landfill footprint. The cells are being filled to the maximum capacity that can be achieved without affecting the efficiency of waste placement. Cells 1-8A are approximately 91% filled. Based on the review of the Permit Application Drawings, the landfill appears to be following the permitted fill progression.	

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)? N/A</li> <li>g) Liquid Waste Management (LWM) Plan located onsite (Y/N)? N/A</li> <li>g) Liquid Waste Management (LWM) Plan located onsite (Y/N)? N/A</li> <li>g) Liquids received to be bulked during reporting period:</li> <li>N/A gallons 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> cubic yards 122,781 tons</li> <li>k) Leachate head level less than 1' on liner at time of inspection (Y/N)? Y</li> </ul>	Α
5	22.423(b)(5) 22.522(a)(5) 22.619(b)(5)	Updated contour map that depicts: <i>Note: Provide updated drawing(s) and final cover</i> <i>permit drawing as Attachment B – discuss any</i> <i>discrepancies. Max. contour interval = 2 feet)</i>	<ul> <li>a) Updated contour drawing attached (Y/N)? Y</li> <li>b) Final cover permit drawing attached (Y/N)? Y</li> <li>c) List all discrepancies here: N/A</li> <li>d) Is there an overfill condition (Y/N)? N</li> <li>* Isolated areas appeared above permitted final grades. The site excavated test pits to show the material above grade was soil cover.</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)?</li> </ul>	
			c) Is the current Design Narrative earthwork balance accurate (Y/N)? <u>Y</u>	
		(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>	a) Name: <u>Southern Resources Mapping</u> b) Name of person using the data to produce contour map: <u>John Matthews, P.E.</u>	
			c) Date survey data was collected: <u>December 5, 2023</u>	

		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>3,074,805 gallons</u></li> <li>b) Leachate Disposed: <u>3,074,805 gallons</u></li> <li>c) Leachate Recirculated: <u>0 gallons</u></li> <li>d) Leachate Recirculation Plan exists (Y/N)? <u>N</u> ADEQ approval Doc # <u>N/A</u></li> <li>e) Leachate operating records exist (Y/N)? <u>Y</u></li> <li>f) Leachate analytical report attached (Y/N)? <u>N</u> (See Doc ID: 84226, 84982).</li> <li>g) Leachate narrative (collection, measurements and disposal): <u>Leachate is collected and pumped from cell sumps via a dual contained forcemain and conveyed to either above ground storage tanks for temporary storage or direct transmission. Leachate is pumped from the tanks to the NACA Wastewater Treatment Plant via forcemain.</u></li> <li>h) Leachate narrative (verifying &lt;1' head on liner system): <u>The two sumps are constructed with a leachate collection system consisting of a sump and 18-inch diameter side slope riser. An automatically activated pump equipped with pressure transducers, with pre-set elevations (head levels) to turn the pump on and off, is located in the side slope riser pipes. The head levels are displayed on the control panels and are recorded by site personnel. Leachate head level table from the site inspection can be found in Attachment C</u></li> </ul>	C
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: Prior to any offsite discharges, storm water is diverted to on-site sedimentation basins via drainage berms and perimeter ditches. During the reporting period, typical silt removal maintenance was performed in ditches and stormwater basins.	
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>Phase 1-8A</u>, <u>34.0</u> acres. Intrm or Final Cover (I/F): <u>I</u></li> <li>b) Lndfl unit/cell ,, acres. Intrm or Final Cover (I/F): <u>I</u></li> <li>e) Acres of disposed waste not under final certified cover: <u>34.0</u> acres f) Acres of disposed waste area that have interim cover: <u>34.0</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.	<ul> <li>a) Briefly list corrective actions events here: During the reporting period, there were no DEQ quarterly inspection comments. No corrective actions required during the reporting period.</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> </ul>	

		Note: If trust fund financial assurance mechanism is utilized, the trust fund must fully fund all acres	d) Did corrective actions permanently solve the conditions (Y/N)? <u>N/A</u> <i>Explain briefly:</i>	
		permitted.		
10	22.423(b)(10)	Updated Financial Assurance documentation as	a) Size of facility property under current permit? <u>609.2</u> acres	D
	22.522(a)(9)	required by Chapter 14.	b) Size of actual permitted disposal area? <u>40.7</u> acres	
	22.619(b)(10)	Note: Include copy of most recent financial assurance	c) What is the current total permitted disposal area that contains disposed	
		documentation as Attachment D. Also, include	waste but is not certified closed? <u>34.0</u> acres	
		updated closure and post closure cost estimated as an	d) Updated closure cost estimate amount: \$ <u>1,163,004</u>	
		attachment- recommend to use the Closure Costs and	e) Is the closure cost estimate based on the largest area ever requiring closure	
		Post-closure Care Costs Worksheet located at	(Y/N)? <u>Y</u>	
		<u> ADEQ - Solid Waste - Technical Branch Home Page</u>	f) Is the existing closure financial assurance adequate for acreage not yet	
		Specific links to the worksheets:	certified closed (Y/N)?: <u>Y</u>	
		http://www.adeq.state.ar.us/solwaste/branch_technical/	g) Updated post closure care cost estimate amount: <u>\$151,379</u>	
		pdfs/closure_costs_worksheet.xlsx and	(with 80% Reduction: \$30,276)	
		http://www.adeq.state.ar.us/solwaste/branch_technical/	h) Is the existing post closure care financial assurance adequate for all	
		pdfs/post_closure_care_costs_worksheet.xlsx Show	permitted areas (Y/N)?: Y	
		detailed calculations of cost items in tabular format	i) Is the financial assurance mechanism a trust fund $(Y/N)$ ? <u>N</u>	
		with specific item breakdowns. Also, show source of	j) Are the sources of information for updated unit cost line items shown on	
		unit cost information and/or inflationary factor	the cost estimate calculations $(Y/N?)$ : <u>Y</u>	
		adjustments – use ADEQ factors where applicable. If	k) Do the unit cost items for soil cover material include actual third party cost	
		updated unit cost information is used instead of	of materials and labor (Y/N?): <u>Y</u>	
		inflationary factors, show the source of unit cost		
		information. Confirm estimates are based on largest		
11	22.423(b)(11)	<i>area ever requiring final cover.</i> Revised or updated facility Closure Plan in accordance	a) Was an updated Closure Plan required during this reporting period	
11	22.425(0)(11) 22.522(a)(10)	with Chapter 13.	(Y/N)?: N	
	22.522(a)(10) 22.619(b)(11)	Note: Provide updated Closure Plan as Attachment E	b) Is an updated Closure Plan attached herein (Y/N)? <u>N</u>	
	22.017(0)(11)	if facility obtained a permit modification during the		
		reporting period that affects the closure and/or post		
		closure care.		

12	22.423(b)(12)	Other items that affect compliance.	a) Are there current ADEQ enforcement actions (Y/N)? <u>N</u>
	22.522(a)(11)	Note: Include an ADEQ enforcement activity	b) Summary of enforcement actions: N/A
	22.619(b)(12)	summary (solid waste, water, air, hazardous waste	c) Are operating and permit fees payments up-to-date (Y/N)? Y
		related) and , status of operating and permit fees.	If not explain:
		summary (solid waste, water, air, hazardous waste	c) Are operating and permit fees payments up-to-date (Y/N)? Y
			<ul> <li>p) 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>
			r) Total current permitted landfill volume: 4,590,000 cubic yards
			1) Total current permitted landing volume. <u>4,570,000</u> cubic yards

13	22.423(b) 22.522(a) 22.619(b)	Certification of AEIR Report: "I have inspected the landfill site and have prepared this report to reflect operational compliance with permit conditions, permit plans, specifications, narrative, and all applicable regulations"	a) Arkansas Licensed Engineer: Sign:	
			PROMUS PROMUS ENGINEERING, LLC. No. 3021 No. 3021 No. 14977 No. 14977 No. 14977 No. 14977	

# **Attachment A** Photographic Log



### PHOTOGRAPHIC RECORD OF CONSTRUCTION -



**Photo No. 1** Looking east towards the active working face of the Class 4 Landfill.



Photo No. 2 Looking north towards the active working face of the Class 4 Landfill.



**Photo No. 3** Looking south at the west slope of the Class 4 Landfill.



### PHOTOGRAPHIC RECORD OF CONSTRUCTION -



**Photo No. 4** Looking west at the south slope of the Class 4 Landfill.



Photo No. 5 Looking southwest at the east slope of the Class 4 Landfill.



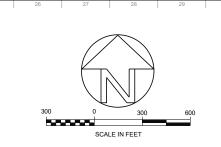
**Photo No. 6** Looking south across top deck of the Class 4 Landfill.



### **Attachment B** Updated Drawings

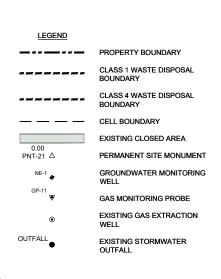






Benchmark Table											
Northing	Easting	Elevation	ID								
666639.51	646397.86	1299.17	PNT-2								
665515.18	644920.35	1296.09	PNT-10								
662089.30	647253.71	1195.31	PNT-21								

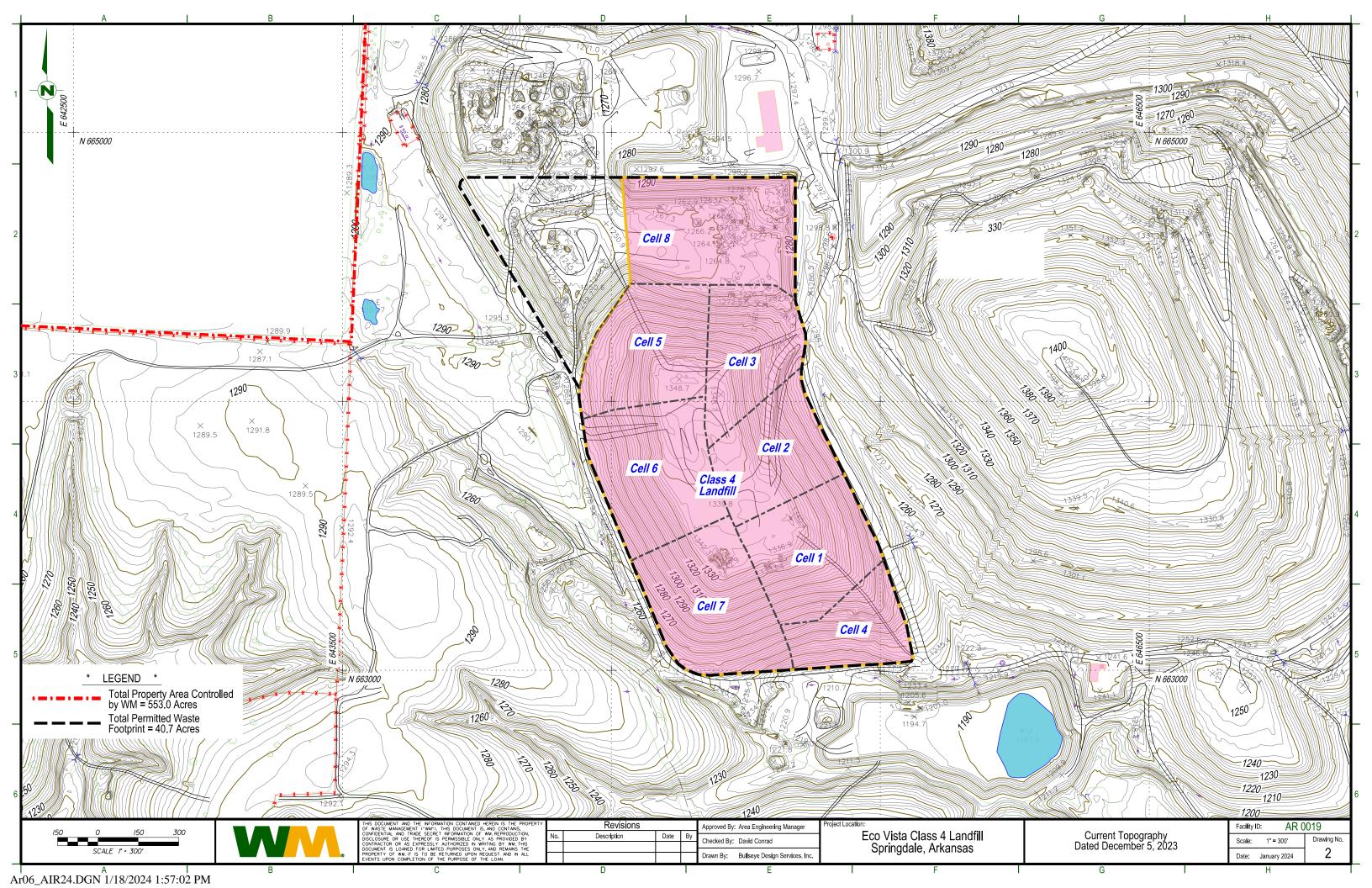


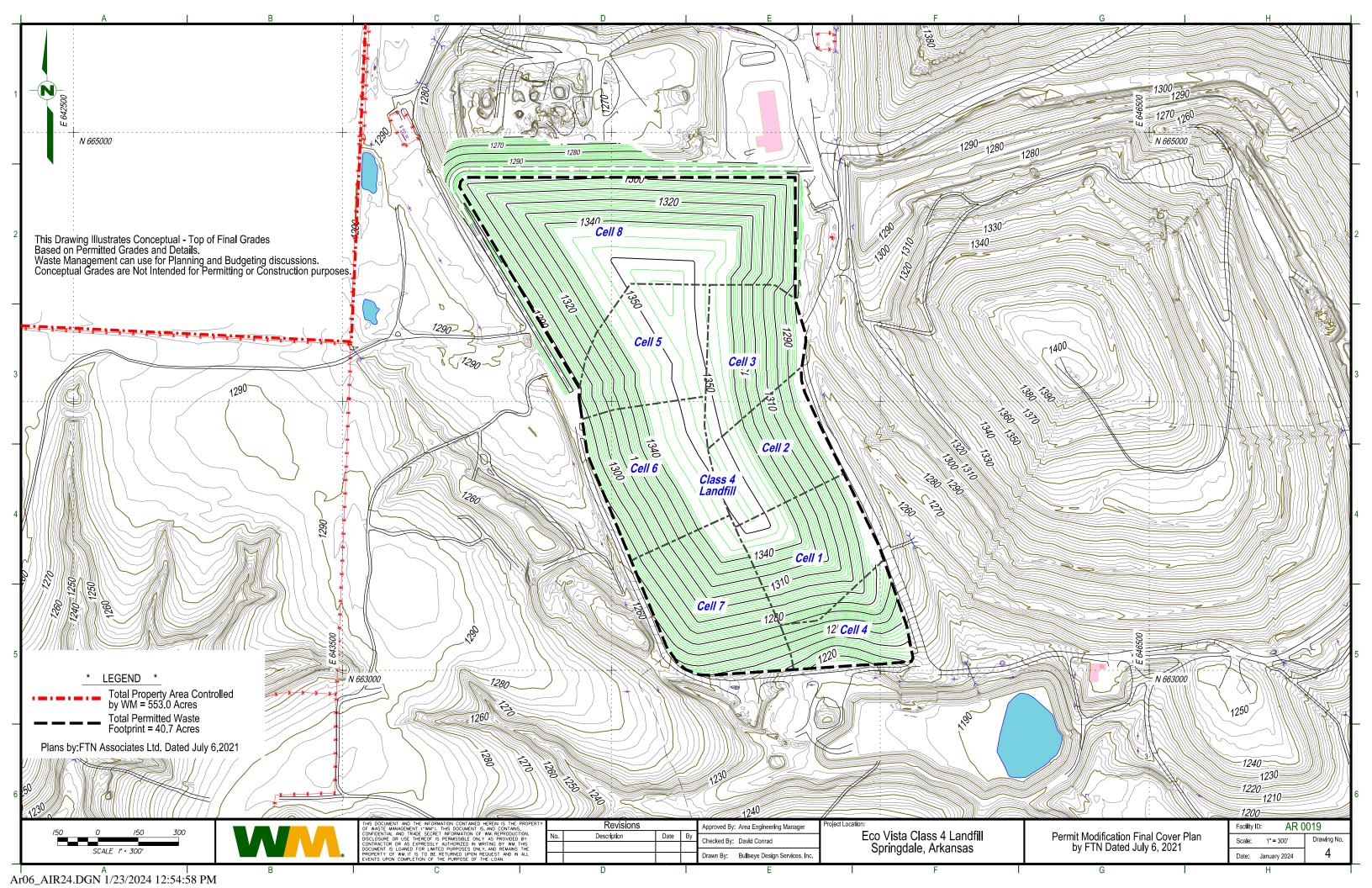


#### NOTE:

TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS FIGURE WAS OBTAINED FROM SOUTHERN RESOURCES MAPPING CORPORATION AND WAS DATED DECEMBER 5, 2023.







# **Attachment C** Leachate Head Level Inspection Results



#### Eco Vista Class 4 Landfill

Leachate Head Level Inspection

	Class 4 ·	- Site 11	Class 4	- Site 6	Ce	Cell 8		Cell 8					
Level Control Data	Elevation (feet)	Display (inches)											
Point of Compliance		36.0		36.0		36.0							
Bottom of Liner		24.0		24.0		24.0							
Bottom of Sump		0.0		0.0		0.0							
Panel Reading		26.4		31.8		0.6							
Depth Above Liner		2.4		7.8		-23.4							

Inspection Date:3/21/2024Inspector Name:Jonathan King, PE

### **Attachment D** Updated Financial Assurance



LAN	IDFILL CLOSURE - COST ESTIMA	TE WO	ORKSH	EET									
	OWNER: Eco-Vista, LLC		PERMIT No.: 0	1290-54-R2			AFIN No.: 72-00144						
	OPERATOR: Eco-Vista, LLC			rad N. Fureigh, P.E	(Ark Licensed P	- #- 14077)	DATE: March 18, 2024						
	TOTAL PERMITTED WASTE DISPOSAL ACRES: 40.7		ESTIMATOR. D	I du N. Fulleigil, F.E	. (AIK. LICEIISEU P.I	. #. 14977)	DATE. Warch 18, 2024						
	TOTAL PERMITTED ACRES CERTIFIED CLOSED: 0		ACRES CURREN	<b>TTLY OPEN:</b> 40.7 (i	.e., "open" means a	reas subject to regulati	ion and have not been certified closed)						
	LARGEST ACREAGE EVER REQURING FINAL COVER OVER ACTIVE LANDFILL LIF	E: 40.7 (i.e., large	est acreage ever o	screage ever open at any one time; NOTE: if approved Closure Plan does not include phased closure then largest area is the total permitted disposal acres)									
LAND	DFILL CLOSURE COST ESTIMATE WORKSHEE	Т			Permi	t: 0290-S4-I	R2 AFIN: 72-00144						
ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	COST	SUBTOTALS	SOURCE OF UNIT COST INFO						
1.0.0	PROFESSIONAL SERVICES					-							
1.1.0	Engineering (Design, Bid Documents, Procurement, Construction Contract				_								
1.2.0	Mangement) Topographic and Boundary Survey	1 40.7	Lump Sum ACRE	\$27,500 \$225	\$ 27,500 \$ 9,158		Engineer's estimate						
	Engineering Services (Construction Oversight, Testing, Reporting,	40.7	ACKE	\$225	\$ 9,158		Engineer's estimate						
1.3.0	Certification)	1	Lump Sum	\$100,000	\$ 100,000		\$60,000 Construction Oberservation + \$20,000 Test & Report + \$20,000 Certification						
	Professional Services Subtotal					\$ 136,658							
	FINAL COVER												
2.1.0	Low Permeability Soil Layer Preparation of landfill to receive cover (final grading)	40.7	ACRE	\$1,500	\$ 61,050		Engineer's estimate based on prior bids						
	Clay Liner, On-site (excavate, transport, place, compact) (Quantity must match earthwork	40.7	ACKE	\$1,500	\$ 61,050								
2.1.2	balance)	103,419	CU. YD.	\$4.65	\$ 480,897		Engineer's estimate based on prior bids						
2.1.3	Clay, Off-site (excavate, transport, place, compact) (Quantity must match earthwork balance)	0	CU. YD.	\$0.00	s -		N/A						
	Low Permeability Soil Layer Subtotal					\$ 541,947							
2.2.0	Geomembrane and Drainage Layer												
2.2.1	Drainage materialsand	0	CU. YD.	\$0.00	\$-		N/A						
2.2.2	Drainage materialgeocomposite	0	SQ. FT.	\$0.00	\$ -		N/A						
2.2.3	Geomembrane Geomembrane and Drainage Layer Subtotal	0	SQ. FT.	\$0.00	\$-	ć	N/A						
2.3.0	Protective Soil and Vegetative Layer					\$ -							
	Protective Soil, On-site (excavate, transport, place, compact) (Quantity must match												
2.3.1	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)	32,831	CU. YD.	\$4.05	\$ 132,967		Engineer's estimate based on prior bids						
2.3.4	Vegetative Soil (Topsoil), Off-site (excavate, transport, place) (Quantity must match earthwork balance)	0	CU. YD.	\$0	¢ .		N/A						
2.3.5	Seeding and mulching	40.7	ACRE	\$2,100	\$ 85,470		Engineer's estimate based on prior bids						
2.3.6	Fertilizer	40.7	ACRE	\$400	\$ 16,280		Engineer's estimate based on prior bids						
	Protective Soil and Vegetative Layer Subtotal					\$ 234,717							
3.0.0	EROSION CONTROL	-	r										
3.1.0	Terraces and letdowns	1,150	Lin. FT.	\$90	\$ 103,500	-	Engineer's estimate based on prior bids (letdowns only)						
3.2.0 3.3.0	Checkdams and filters Grass ditching/channels	1 1,200	Lump Sum Lin. FT.	\$4,000 \$5.00	\$ 4,000 \$ 6,000		Engineer's estimate based on prior bids Engineer's estimate based on prior bids						
	Riprap ditching/channels (includes rock in mid-slope benches)	1,200	Lin. FT.	\$17	\$ 20,400		Engineer's estimate based on prior bids						
	Erosion Control Subtotal					\$ 133,900							
4.0.0	GAS SYSTEM												
4.1.0	Gas vents, vents, average depth	0	Lin. FT.	\$0.00	\$-		N/A						
4.2.0	Passive System		FA	60.00	4								
4.2.1 4.3.0	Passive well head flare Active System	0	EACH	\$0.00	\$-		N/A						
4.3.0	Flare, BTU/hour	0	EACH	\$0.00	\$ -		N/A						
4.3.2	Additonal Well Installation	0	ACRE	\$0.00	\$ -		N/A						
4.3.4	Ancillary gas equipment (piping, blowers, condensate collection)	0	ACRE	\$0.00	\$-		N/A						
1	Gas System Subtotal					\$ -							

LAN	DFILL CLOSURE COST ESTIMATE WORKSHEE	Т			ermit	: 0290-S4-F	R2 AFIN: 72-00144					
ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	co	DST	SUBTOTALS	SOURCE OF UNIT COST INFO				
5.0.0	5.0.0 GROUNDWATER MONITORING SYSTEM											
5.1.0	Well installation	0	EACH	\$0.00	\$	-		N/A				
	Upgrade existing wells	0	LS	\$0.00	\$	-		N/A				
5.3.0		0	EACH	\$0.00	\$	-		N/A				
5.4.0	Baseline sample collection (4 events per first year, samples per event)	0	EVENT	\$0.00	\$			N/A				
5.5.0	Baseline sample analysis and reporting (4 events per first year,											
5.5.0	samples per event))	0	EVENT	\$0.00	\$	-	•	N/A				
	Groundwater Monitoring System Subtotal						Ş -					
6.0.0	LEACHATE COLLECTION SYSTEM		-									
6.1.0		0	Lin. FT	\$0.00	\$	-		N/A				
6.2.0		0	EACH	\$0.00	\$	-		N/A				
6.3.0		0	EACH	\$0.00	\$	-		N/A				
	Baseline sample collection	0	EACH	\$0.00	\$	-		N/A				
6.5.0	Baseline sample analysis and reporting	0	EACH	\$0.00	\$		*	N/A				
	Leachate Collection System Subtotal						Ş -					
	OPERATIONS AND INVENTORY REMOVAL											
7.1.0		0	CU. YD.	\$0.00	\$	-		N/A				
	Mobile equipment/machinery (e.g., containers, tanks, etc)	0	Lump Sum	\$0.00	\$	-		Included in EVLF Class 1 Landfill Closure Cost Estimates				
7.3.0		0	GAL.	\$0.00	\$	-		N/A				
7.4.0		0	CU. YD.	\$0.00	\$	-	<i>*</i>	N/A				
	Operations and Inventory Removal Subtotal						Ş -					
-	DEMOLITION/REMOVAL SITE IMPROVEMENTS											
8.1.0		0	Lump Sum	\$0.00	\$	-		Included in EVLF Class 1 Landfill Closure Cost Estimates				
8.2.0	Equipment to be decommisioned (e.g., weigh scales, bulking/solidification pits, collection pits/sumps, piping, etc)	0	Luna Curr	\$0.00	ć			Included in EVLF Class 1 Landfill Closure Cost Estimates				
8.3.0	Site Utilities	0	Lump Sum Lump Sum	\$0.00	\$	-		Included in EVLF Class 1 Landfill Closure Cost Estimates				
0.5.0	Demolition/Removal Site Improvements Subtotal	0	Eurip Sum	30.00	2	-	<u>ج</u> ج					
9.0.0							Ŧ					
9.1.0	-	0	Lin. FT.	\$0.00	Ś			Included in EVLF Class 1 Landfill Closure Cost Estimates				
9.1.0		0	LIII. FT.	\$0.00	ş			Included in EVLF class 1 Landfill Closure Cost Estimates				
9.3.0		1	Lump Sum	\$2,800	ŝ	2,800		Engineer's Estimate				
	Other security equipment	0	Lump Sum	\$0.00	Ś	-		Included in EVLF Class 1 Landfill Closure Cost Estimates				
	Replace/Rebuild Site Access Controls Subtotal				1		\$ 2,800					
10.0.0	BORROW AREA RECLAMATION											
	Regrade and site prep	0	ACRE	\$0.00	Ś	. 1		Included in EVLF Class 1 Landfill Closure Cost Estimates				
	Soil, On-site (excavate, transport, place, compact)	0	CU.YD.	\$0.00	ş Ś			N/A				
	Soil, Off-site (excavate, transport, place, compact)	0	CU. YD.	\$0.00	\$			N/A				
	Seeding and mulching	0	ACRE	\$0.00	\$			Included in EVLF Class 1 Landfill Closure Cost Estimates				
	Fertilizer	0	ACRE	\$0.00	\$	-		Included in EVLF Class 1 Landfill Closure Cost Estimates				
	Borrow Area Reclamation Subtotal						\$-					
				Total Closure	Cost Sub	ototal	\$ 1,050,021					
11.0.0	MISCELLANEOUS											
	Administration and Contingency			\$42,001	\$	42,001		Approximately 4% of Total Closure Cost				
	Misc. Subtotal					,	\$ 42,001					
				ΤΟΤΑΙ	L CLOSUR	RE COST	\$ 1,092,022					
12.0.0	ANNUAL INFLATION FACTOR ADJUSTMENTS			Year	Infla		Adjusted Total					
	2023 Inflation Adjustment			2023	1.0		•	http://www.adeg.state.ar.us/sw/permits/financial.aspx				
			I	2020	1.0		- 2,203,034					

LAN	LANDFILL POST-CLOSURE CARE - ANNUAL COST ESTIMATE WORKSHEET												
	OWNER:Eco-Vista, LLC	PERMIT NO.: 0	200 54 82	AFIN: 72-00144									
					I								
	OPERATOR: Eco-Vista, LLC	ESTIMATOR: B	rad N. Fureigh, P.E.	(Ark. Licensed P.E. #: 14	1977)	DATE: March 18, 2024							
	TOTAL PERMITTED WASTE DISPOSAL ACRES: 40.7												
	TOTAL PERMITTED ACRES CERTIFIED CLOSED: 0												
LAN	NDFILL POST-CLOSURE CARE - ANNUAL COST ESTIMATE WORKSHEET Permit: 0290-S4-R2 AFIN: 72-00144												
ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	соѕт	SUBTOTALS	SOURCE OF UNIT COST INFO						
1.0.0	PROFESSIONAL SERVICES												
1.1.0	Engineering (Annual inspection and reporting, corrective action design and bid, contract management)	1	Lump Sum	\$2,750	\$ 2,750		Engineer's Estimate						
1.2.0	Topographic and Boundary Survey (annual, final, and corrective action, if required)	1	Lump Sum	\$2,300	\$ 2,300		Engineer's Estimate						
1.3.0	Corrective Action Engineering Services (Construction Oversight, Testing, Reporting, Certification)	1		\$7,700	\$ 7,700								
	Professional Services Annual Subtotal	1	Lump Sum	\$7,700	\$ 7,700	\$ 12,750	Engineer's Estimate						
2.0.0	FINAL COVER ROUTINE MAINTENANCE					+							
2.1.0													
	Inspect soil cover, vents, flares, drainage letdowns and outfalls, etc	2	EVENT	\$1,150	\$ 2,300		Engineer's Estimate						
2.2.0	Mowing/Trimming ( 40.7 acres twice per year) Clean Drain/Vent Openings	81.4 2	ACRE EVENT	\$60 \$1,150	\$ 4,884 \$ 2,300		Engineer's Estimate Engineer's Estimate						
2.3.0		2	EVENT	\$1,150	\$ 2,300								
	Final Cover Routine Maintenance Annual Subtotal					\$ 9,484							
3.0.0	FINAL COVER REPAIRS												
3.1.0	Remove/incorporate unacceptable materials (e.g., dead vegetation, solid waste)	1	ACRE	\$55	\$ 55.00		Engineer's estimate based on prior bids						
3.2.0	Scarify and prepare surface	1	ACRE	\$1,500	\$ 1,500.00		Engineer's estimate based on prior bids						
3.3.0	Soil, On-Site (excavate, transport, place, compact)	3,227	CU. YD.	\$4.65	\$ 15,004.00		Engineer's estimate based on prior bids						
3.4.0	Soil, Off-site (excavate, transport, place, compact)		CU. YD.	\$0	\$ -		N/A						
3.5.0 3.6.0	Seeding and mulching Fertilizer	1	ACRE ACRE	\$2,100 \$400	\$ 2,100.00 \$ 400.00		Engineer's estimate based on prior bids Engineer's estimate based on prior bids						
3.0.0	Final Cover Repairs Annual Subtotal	1	ACRE	\$400	\$ 400.00	\$ 19,059.00							
4.0.0	ACCESS ROADS REPAIRS					, ,,,,,,,,							
4.1.0	Reshape/regrade subgrade	0	SQ. FT.	\$0.00	Ś -		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
4.2.0	Gravel (transport, place, compact)	0	TON	\$0.00	\$ -		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
4.3.0	Drainage Structures (e.g., culverts,	0	LS	\$0.00	\$-		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
4.4.0	Riprap ditching/channels Access Roads Repair Annual Subtotal	0	LS	\$0.00	\$ -	\$ -	Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
						\$ -							
5.0.0	SURFACE WATER MANAGEMENT OPERATION AND M	AINTENANG		1	T								
5.1.0	Collection system operation and maintenance (ditches, piping conveyances, outfalls, sampling points repair/replace)	0	Lump Sum	\$0.00	s -		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
5.2.0	Stormwater storage (sediment pond) operation/repairs	0	Lump Sum	\$0.00	\$ -		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
5.3.0	Sample collection ( 2 events per year)	0	EVENT	\$0.00	\$-		Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
5.4.0	Sample analysis and reporting ( 2 events per year) Surface Water Management O&M Annual Subtotal	0	EVENT	\$0.00	\$ -	<i>¢</i>	Included in EVLF Class 1 Landfill Post Closure Cost Estimates						
600						Ş -							
6.0.0	LEACHATE COLLECTION SYSTEM O&M Generation Rate = 1,972,000 gal/yr.												
	Collection operation/maintenance (pump, piping,												
6.1.0	storageoperation/repair/replace)	1	YEAR	\$2,800	\$ 2,800		Engineer's Estimate						
6.2.0	Leachate loading, off-loading and off-site transportation		EVENT	\$0.00	\$ -		Forcemain in place to transport to NW Arkansas Conservation Authority Wastewater Treatment Facility						
6.3.0 6.4.0	Leachate Treatment/Disposal	1,972,000 0	GAL. Lump Sum	\$0.01166 \$0.00	\$ 22,994 \$ -		NACA WWTP Agreement N/A						
6.4.0	Additional/upgrades for piping, pumps and storage Leachate sample collection	0	YEAR	\$0.00	\$ -		N/A Engineer's Estimate						
6.6.0	Leachate sample analysis and reporting	1	YEAR	\$750	\$ 750		Engineer's Estimate						
	Leachate Collection System O&M Annual Subtotal		1		1	\$ 27,044							

LAND	FILL POST-CLOSURE CARE - ANNUAL COST ESTIMATE WORKSHEET					Permit: 0290-S4-R2 AFIN: 72-00144			
ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	COST	SUBTOTALS	SOURCE OF UNIT COST INFO		
7.0.0	GROUNDWATER MONITORING SYSTEM O&M								
	Number of Wells in Approved System								
7.1.0	Well maintenance (e.g., protective casing (lock & hinges) repair/replacement, well pad repair/replace, etc)	0	LS	\$0.00	\$ .		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
7.2.0	Upgrade/redevelop existing wells	0	LS	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
7.3.0	Well Replacement	0	LS	\$0.00	\$.		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
7.4.0	Sample collection (2 events per year)	0	EVENT	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
7.5.0	Sample analysis and reporting (2 events per year)	0	EVENT	\$0.00	\$.		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
	Groundwater Monitoring System O&M Annual Subtotal					\$ -			
8.0.0	GAS MONITORING SYSTEM O&M								
8.1.0	Number of Gas Monitoring Probes/Wells								
8.2.0	Methane monitoring of probes/wells (4 per year)	0	EVENT	\$0.00	\$.		N/A		
8.3.0	Methane monitoring at site boundary and structures (4 per year)	0	EVENT	\$0.00	\$ .		N/A		
8.4.0	Sample analysis and reporting	0	EVENT	\$0.00	\$		N/A		
	Gas Monitoring System O&M Annual Subtotal					\$ .			
9.0.0	GAS EXTRACTION SYSTEM O&M			-	-				
	Passive System								
9.1.1	Passive well head flare maintenance	0	EACH	\$0.00	\$.		N/A		
9.2.0	Active System								
9.2.1	Flare, BTU/hour	0	EACH	\$0.00	\$.		N/A		
9.2.2 9.2.3	Additional Well Installation/Upgrades Ancillary gas equipment repair/replacement (piping, blowers, condensate	0	EACH	\$0.00	\$.		N/A		
5.2.5	collection)	0	Lump Sum	\$0.00	\$.		N/A		
	Gas Extraction System O&M Annual Subtotal					Ş -			
10.0.0	CORRECTIVE ACTION EVALUATION AND IMPLEMENT	ATION		-	-				
10.1.0	Resurvey monitoring well reference points and site benchmarks (prorate for annual expenses)	0	EACH	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
10.2.0	Remove sediments from stormwater basin(s) (prorate for annual expenses)	0	EACH	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
10.3.0	Groundwater exceedances statistical evaluation	0	EACH	\$0.00	\$.		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
10.4.0	Groundwater alternate source determination) (prorate for annual expenses)	0	EACH	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
10.5.0	Groundwater compliance monitoring (prorate for annual expense)	0	EACH	\$0.00	\$		Included in EVLF Class 1 Landfill Post Closure Cost Estimates		
10.6.0	Other:		EACH	\$0.00	\$ .				
	Corrective Action Evaluation and Implementation Annual Subtotal					\$ -			
	Total Post-Closure Care Annual Cost Subtotal			\$ 68,3	37				
11.0.0	MISCELLANEOUS								
	Administration and Contingency				\$ 2,7	33	Approximately 4% of Total Post Closure Cost		
	Misc. Subtotal					\$			
					CLOSURE CARE CO	ST \$ 71,0	170		
	ESTIMATED 2 YEAR POST-CLOSURE CARE PERIOD	2 x		Annual Post-Closure (		\$ 142,1			
	CERTIFICATE OF INSURANCE	20% of Total Post-Closure Care Cost				\$ 28,4	128		
12.0.0	ANNUAL INFLATION FACTOR ADJUSTMENTS	Year Inflation 2 Year Post-Closure Cost			st-Closure Cost	Adjusted Tota			
	2023 Inflation Adjustment	2023	1.065		.51,379				