Haley Griffith (adpce.ad)

Subject: RE: Garland County Cedar Glades Class 4 Landfill - Second Notice of Deficiency for Phase 3, Cell 1 Construction Quality Assurance Certification

From: Carpenter, Owen <Owen.Carpenter@terracon.com>
Sent: Thursday, February 12, 2026 10:23 AM
To: Richard Bennett (adpce.ad) <Richard.Bennett@arkansas.gov>
Cc: Greg Banic (adpce.ad) <Greg.Banic@arkansas.gov>; Charles Hurt (adpce.ad) <Charles.Hurt@arkansas.gov>; Christopher Krou (adpce.ad) <Christopher.Krou@arkansas.gov>; Judge, GarlandCo <dmahoney@garlandcounty.org>; Billy Sawyer <bsawyer@garlandcounty.org>; John Rogers <john.rogers@craftontull.com>; Potter, Drew <Drew.Potter@terracon.com>
Subject: RE: Garland County Cedar Glades Class 4 Landfill - Second Notice of Deficiency for Phase 3, Cell 1 Construction Quality Assurance Certification

Good morning Mr. Bennett!

We are in receipt of the Division's Second NOD for the Phase 3, Cell 1 Construction CQA certification report dated February 10, 2026. Pursuant to the request for additional information, we have attached revised cost estimates on behalf of the County that reflect the entire developed acreage. The acreage used within the cost estimate for closure is 27 total acres which was conservatively rounded to the nearest whole acre. The revised cost estimates reflect a closure cost amount of $1,950,628 and a two-year post-closure care cost amount of $175,588. These cost estimates will be provided with the forthcoming 2025 AEIR for the facility.

It is anticipated that the County will provide a hard copy of the appropriate financial assurance mechanism under separate cover.

The partial closure of the west side of Phases 1 and 2 is nearly complete, and once the Division approves the CQA certification of the closure, the County will deduct the acreage from the financial assurance closure cost obligations and provide a revised cost estimate. If you have any questions or need any additional information, please do not hesitate to contact John Rogers or me.

Thanks!
Owen

F. Owen Carpenter, P.E., P.G.
Terracon
D (501) 943 1020 | C (501) 622 0887
owen.carpenter@terracon.com

From: Richard Bennett (adpce.ad) <Richard.Bennett@arkansas.gov>
Sent: Tuesday, February 10, 2026 8:47 AM
To: Judge, GarlandCo <dmahoney@garlandcounty.org>
Cc: Greg Banic (adpce.ad) <Greg.Banic@arkansas.gov>; Charles Hurt (adpce.ad) <Charles.Hurt@arkansas.gov>; Christopher Krou (adpce.ad) <Christopher.Krou@arkansas.gov>; Carpenter, Owen <Owen.Carpenter@terracon.com>
Subject: Garland County Cedar Glades Class 4 Landfill - Second Notice of Deficiency for Phase 3, Cell 1 Construction Quality Assurance Certification

Dear Judge Mahoney,

Please find attached to this email the Second Notice of Deficiency for the Phase 3, Cell 1 Construction Quality Assurance Certification Report for the Garland County Cedar Glades Class 4 Landfill. Please note, no waste can be placed into the cell until DEQ approves the CQA Report. If you have any questions, please feel free to contact me using the information provided below.

Respectfully,

Richard Bennett, PE
Permit Engineer
E&E | Environmental Quality | Land Resources
e: richard.bennett@arkansas.gov
t: 501-682-0861

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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LANDFILL CLOSURE - COST ESTIMATE WORKSHEET CEDAR GLADES CLASS 4 (2025 Dollars) - CT Project 2852-1019

OWNER: GARLAND COUNTY	PERMIT No.: 0300-S4			AFIN No.: 26-00405
OPERATOR: GARLAND COUNTY	ESTIMATOR: F. Owen Carpenter (Ark. Licensed P.E. # 8653)			Date 2/11/2026
TOTAL PERMITTED WASTE DISPOSAL ACRES: 61				
TOTAL PERMITTED ACRES CERTIFIED CLOSED: 0	ACRES CURRENTLY OPEN: 27 Acres (i.e., "open" means areas subject to regulation and have not been certified closed)			
LARGEST ACREAGE EVER REQURING FINAL COVER OVER ACTIVE LANDFILL LIFE: 27 Acres (i.e., largest acreage 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)				

LANDFILL CLOSURE COST ESTIMATE WORKSHEET Permit: 0300-S4 AFIN: 26-00405

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 Mangement)	1	Lump Sum	$ 30,000.00	$ 30,000.00		CRAFTON TULL, STANDARD FEE SCHEDULE
1.2.0	Topographic and Boundary Survey	1	Lump Sum	$ 5,000.00	$ 5,000.00		CRAFTON TULL, STANDARD FEE SCHEDULE
1.3.0	Engineering Services (Construction Oversight, Testing, Reporting, Certification)	1	Lump Sum	$ 189,000.00	$ 189,000.00		CRAFTON TULL ESTIMATE
	Professional Services Subtotal					$ 224,000.00	
2.0.0	FINAL COVER						
2.1.0	Low Permeability Soil Layer						
2.1.1	Preparation of landfill to receive cover (final grading)	27.0	ACRE	$ 775.00	$ 20,925.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
2.1.2	Clay, On-site (excavate, transport, place, compact) (Quantity must match earthwork balance and must be garanteed for future availability)	-	CU. YD.	$7.50	$ -		
2.1.3	Clay, Off-site (excavate, transport, place, compact) (Quantity must match earthwork balance)	65,340	CU. YD.	$15.75	$ 1,029,105.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Low Permeability Soil Layer Subtotal					$ 1,050,030.00	
2.3.0	Protective Soil and Vegetative Layer						
2.3.1	Vegetative Soil (Topsoil), On-site (excavate, transport, place) (Quantity must match earthwork balance and must be garanteed for future availability)	-	CU. YD.	$5.15	$ -		LOCAL BID DOCUMENTS FOR SIMILAR WORK
2.3.2	Vegetative Soil (Topsoil), Off-site (excavate, transport, place) (Quantity must match earthwork balance)	21,780	CU. YD.	$20.60	$ 448,668.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
2.3.3	Seeding, mulching, and fertilizing	27.0	ACRE	$1,050.00	$ 28,350.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Protective Soil and Vegetative Layer Subtotal					$ 477,018.00	
3.0.0	EROSION CONTROL						
3.1.0	Silt Fence, check dams, rip-rap, grass ditching, letdown structures	1	Lump Sum	$20,600.00	$ 20,600.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Erosion Control Subtotal					$ 20,600.00	
4.0.0	DEMOLITION/REMOVAL SITE IMPROVEMENTS						
4.1.0	Office/shop/maintenace and other ancillary buildings	1	Lump Sum	$ 825.00	$ 825.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
4.2.0	Equipment to be decommisioned (e.g., weigh scales, bulking/solidification pits, collection pits/sumps, piping, etc...)	1	Lump Sum	$ 310.00	$ 310.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
4.3.0	Site Utilities	1	Lump Sum	$ 515.00	$ 515.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Demolition/Removal Site Improvements Subtotal					$ 1,650.00	
					Total Closure Cost Subtotal	$ 1,773,298.00	
5.0.0	MISCELLANEOUS						
5.1.0	10% Administration and Contingency (Total Closure Cost Subtotal x 10%)				$ 177,329.80		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Misc. Subtotal					$ 177,329.80	
					TOTAL CURRENT CLOSURE COST	$ 1,950,627.80	

LANDFILL POST CLOSURE CARE - ANNUAL COST ESTIMATE WORKSHEET CEDAR GLADES CLASS 4 (2025 Dollars) - CT Project

OWNER: GARLAND COUNTY	PERMIT NO. 0300-S4		AFIN: 26-00405	
OPERATOR: GARLAND COUNTY	ESTIMATOR: F. Owen Carpenter (Ark. Licensed P.E. #: 8653)			Date 2/11/2026
TOTAL PERMITTED WASTE DISPOSAL ACRES: 61				
TOTAL PERMITTED ACRES CERTIFIED CLOSED: 0				

LANDFILL POST CLOSURE CARE - ANNUAL COST ESTIMATE WORKSHEET Permit: 0300-S4 AFIN: 26-00405

ITEM No.	ITEM	QUANTITY	UNITS	UNIT COST	COST	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	$ 4,500.00	$ 4,500.00		Crafton Tull Standard Fee Schedule
1.2.0	Topographic and Boundary Survey (annual, final, and corrective action, if required)	1	Lump Sum	$ 3,500.00	$ 3,500.00		Crafton Tull Standard Fee Schedule
1.3.0	Corrective Action Engineering Services (Construction Oversight, Testing, Reporting, Certification)	1	Lump Sum	$ 7,000.00	$ 7,000.00		Crafton Tull Standard Fee Schedule
	Professional Services Annual Subtotal					$ 15,000.00	
2.0.0	**FINAL COVER ROUTINE MAINTENANCE**						
2.2.0	Mowing/Trimming (2 times per year)	61	ACRE	$425.00	$25,925.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Final Cover Routine Maintenance Annual Subtotal					$25,925.00	
3.0.0	**FINAL COVER REPAIRS (4 MAN CREW 3 DAYS/YEAR)**						
3.1.0	(2) Laborers	3	day	$1,050.00	$3,150.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
3.2.0	Soil Import Cover Repair	625	CY	$15.75	$9,843.75		
3.3.0	Dozer (200 HP)	3	day	$1,910.00	$5,730.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
3.4.0	Dump Truck (12 yard)	3	day	$1,290.00	$3,870.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Final Cover Repairs Annual Subtotal					$22,593.75	
4.0.0	**SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE (O&M)**						
4.1.0	Collection system operation and maintenance (ditches, piping conveyances, outfalls, sampling points repair/replace)	1	ANNUAL	$ 2,215.00	$ 2,215.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
4.2.0	Stormwater storage (sediment pond) operation/repairs	1	ANNUAL	$ 1,800.00	$ 1,800.00		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Surface Water Management O&M Annual Subtotal					$ 4,015.00	
	Total Post Closure Care Annual Cost Subtotal					$ 67,533.75	
5.0.0	**MISCELLANEOUS**						
5.1.0	10% Administration (Total Closure Cost Subtotal x 10%)				$ 6,753.38		LOCAL BID DOCUMENTS FOR SIMILAR WORK
5.2.0	10% Contigency (Total Closure Cost Subtotal x 20%)				$ 13,506.75		LOCAL BID DOCUMENTS FOR SIMILAR WORK
	Misc. Subtotal					$ 20,260.13	
	TOTAL ESTIMATED ANNUAL POST CLOSURE CARE COST					$ 87,793.88	
ESTIMATED 2 YEAR POST CLOSURE CARE PERIOD			2 x "Total Estimated Annual Post Closure Care Cost".			$ 175,587.75	