Blue, Karen

From: Cusher, Annette
Sent: Thursday, March 29, 2018 4:46 PM
To: Blue, Karen
Subject: FW: IESI AEIRs - Cherokee Village Class 1 & 4 and Beebe, Heber Springs, Midway, and Independence Transfer Stations
Attachments: Cherokee Village Class 1 AEIR.PDF; Cherokee Village Class 4 AEIR.PDF; Beebe Transfer Station 2017 AEIR.PDF; Heber Springs TS 2017 AEIR.PDF; Midway Transfer Station 2017 AEIR.PDF; Independence Co Transfer Station 2017 AEIR.PDF

From: Bardella, Tony L [mailto:Tony.Bardella@terracon.com]
Sent: Thursday, March 29, 2018 4:39 PM
To: darrz@adeq.state.ar.us
Cc: Cusher, Annette; McCormick, Dave C.
Subject: IESI AEIRs - Cherokee Village Class 1 & 4 and Beebe, Heber Springs, Midway, and Independence Transfer Stations

Zack,

Please see the following attached Annual Engineering Inspection Reports for your review:

Cherokee Village Class 1 Landfill, permit no. 0299-S1-R1
Cherokee Village Class 4 Landfill, permit no. 0083-S4
Beebe TS, permit no. 0120-STSW-D
Heber Springs TS, permit no. 0032-STSW
Midway TS, permit no. 0010-STSW
Independence TS, permit no. 0014-STSW

Thank you,

Tony Bardella
Field Engineer I Solid Waste Services

Terracon
25809 I-30 South I Bryant, Arkansas 72022
P (501) 847-9292 I F (501) 847-9210
D (501) 943-1049 I M (501) 794-9466
tony.bardella@terracon.com I terracon.com
Join us on Facebook and LinkedIn

Rec'd Digitally

AFIN: 25-00028

PMT#: 0083-S4

RECEIVED
By bluek at 10:02 am, Mar 30, 2018

DOC ID#: 73463

TO: AC>FILE <KMB

S
W
M
D

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

2017 Annual Engineering Inspection Report

IESI AR LANDFILL CORPORATION, CLASS 4 LANDFILL

Permit No. 0083-S4

AFIN: 25-00028

March 2018

Project No. 35177327

3-29-18

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9199
DAVID C. McCORMICK

CERTIFICATE OF AUTHORIZATION
TERRACON CONSULTANTS, INC.
No. 223
ARKANSAS

Prepared for:

IESI AR Landfill Corporation
300 Landfill Road
Cherokee Village, AR 72529

Prepared by:

Terracon Consultants, Inc.
25809 Interstate 30 South
Bryant, Arkansas 72022
(501) 847-9292

terracon.com

Terracon

Environmental • Facilities • Geotechnical • Materials

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ATTACHMENT B UPDATED DRAWINGS
ATTACHMENT C UPDATED FINANCIAL ASSURANCE

PROFESSIONAL ENGINEER'S CERTIFICATION

As required by *Arkansas Regulation 22* (*Reg.22.423*), representatives from Terracon Consultants, Inc. inspected the IESI AR Corporation Cherokee Village Class 4 Landfill (Facility) on February 15, 2018. During this inspection, general Facility operating practices and procedures in relation to *Arkansas Regulation 22* and the Facility's permit were reviewed. Based on site visits, review of the facility operating records, and discussions with the landfill owner/operator, it is my professional opinion that the Facility is being operated and maintained in compliance with *Arkansas Regulation 22* and the Facility's solid waste permit. This opinion is contingent on the fact that all information supplied to the signatory authority as of the date of this certification is unquestionably accurate and provided in good faith.

STATE OF ARKANSAS ★★★ REGISTERED PROFESSIONAL ENGINEER ★★★ No. 9199 DAVID C. McCORMICK

3-29-18

David C. McCormick, P.E.
Arkansas Professional Engineer No. 9199

Date

CERTIFICATE OF AUTHORIZATION TERRACON CONSULTANTS, INC. No. 223 ARKANSAS

ANNUAL ENGINEERING INSPECTION REPORT (AEIR) FORM Reporting Year: 2017

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

Facility Name: IESI Cherokee Village Class 4 Landfill AFIN: 25-00028 Permit #: 0083-S4 Landfill Class: 4

Report Submittal Date: March 30, 2018 Date of Landfill Site Inspection by Certifying Engineer: February 15, 2018

Complete the form as indicated
Instructions are bolded and italicized.

COLUMN TO BE COMPLETED BY REPORTER

Item	Regulation Reference	Item Description	Report Information/Comments/Remarks	Attachment Reference
1	22.423(b)(1) 22.522(a)(1) 22.619(b)(1)	Remaining volume in current cell.	a) 5,612 cubic yards	
		Projected date of opening new cell.	b) Date: Approx 2020	
2	22.423(b)(2) 22.522(a)(2) 22.619(b)(2)	Remaining volume of all permitted units.	a) 155,420 cubic yards (The facility has placed intermediate cover over all of the cells that took waste).	
		Total air space used during the reporting period.	b) 95 cubic yards 362 cy/month (4,344 cy/yr) was used in 2008. This volume will be used for remaining site life purposes	
		Estimated remaining site life (years) based on utilization rate during the reporting period. ***Note: Itemize current permitted unit/cell information - use attachment if necessary.***	c) Landfill Unit/Cell remaining life: Landfill unit/cell Cells 1-3 , 1.3 years. Landfill unit/cell Cells 4-11 , 34.5 years. Landfill unit/cell _____ , _____ years. d) Entire permitted landfill: 35.8 years remaining life.	
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. ***Note: Provide narrative regarding fill progression 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.***	a) The cell development and fill progression are consistent with the approved plans and operating narrative. Small amounts of waste were disposed in the Class 4 Landfill in 2017, previous waste disposal operations occurred in Cells 1-3. A substantial quantity of waste has not been disposed of since 2008. Cells 4-11 remain undeveloped.	

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. ***Note: Review current operating plans, and permit conditions. Include photographs of engineer's inspection as Attachment A. Check for weekly/monthly operational logs, waste volume records in and out of landfill, unauthorized waste form sheets, waste cover maintenance, stormwater reports to ADEQ, and wet weather repair information.***	a) Weekly/monthly operational logs exist (Y/N)? Y b) Photos of AEIR inspection attached (Y/N)? Y c) Waste volume in and out records exist (Y/N)? Y d) Unauthorized waste forms exist (Y/N)? Y e) Daily/weekly cover adequate at time of inspection (Y/N)? Y f) Alternative Daily Cover (ADC) Plan located onsite (Y/N)? NA Operations in compliance with ADC Plan (Y/N)? NA g) Liquid Waste Management (LWM) Plan located onsite (Y/N)? NA Operations in compliance with LWM Plan (Y/N)? NA h) Liquids received to be bulked during reporting period: None gallons None tons i) Waste cover of inactive areas maintained adequately (Y/N)? Y j) Net amount of waste disposed in landfill during reporting period: 95 cubic yards 32 tons k) Leachate head level less than 1' on liner at time of inspection (Y/N)? NA	**A**
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)***	a) Updated contour drawing attached (Y/N)? Y b) Final cover permit drawing attached (Y/N)? Y c) ***List all discrepancies here:*** _____ _____ _____ _____ d) Is there an overfill condition (Y/N)? N	**B**
		(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)***.	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 b) If not, where will deficiency shortfalls be obtained (be specific)? _____ _____ c) Is the current Design Narrative earthwork balance accurate (Y/N)? Y	
		(iii) survey grid (required by 22.426); ***Note: Include benchmarks and horizontal controls***		
		(iv) location of other visible surface features or improvements (e.g., roads, buildings, gas control systems, etc.); ***Note: Include leachate risers, manholes, monitoring wells, gas wells, etc.***		

		(v) the person responsible for gathering the survey data and the date survey data was taken to prepare the map. *Reminder: Reporting period is calendar year. Survey data should be collected to reflect the AEIR reporting period.*	a) Name: Southern Resource Mapping Coorporation b) Name of person using the data to produce contour map: c) Date survey data was collected: 12/15/2017	
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, explain how the leachate head on the landfill liner is monitored and measured.***	a) Leachate Collected: 0 gallons b) Leachate Disposed: 0 gallons c) Leachate Recirculated: 0 gallons (d) Leachate Recirculation Plan exists (Y/N)? N ADEQ approval Doc # NA e) Leachate operating records exist (Y/N)? NA f) Leachate analytical report attached (Y/N)? NA g) Leachate narrative (collection, measurements and disposal): No leachate requirements for Class 4. h) Leachate narrative (verifying <1' head on liner system): NA	**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. ***Note: List any upset conditions during the reporting period (i.e., washouts, etc…). Also, include narrative about vegetation maintenance and repair.***	a) ***Briefly list maintenance activities and upset conditions here:*** Stormwater runoff is managed in the stormwater sedimentation basin, located to the south of the Class 4 cells. Stormwater is managed in accordance with NPDES Permit ARG 160025. The Facility performs routine maintenance at the site to minimize erosion on the Landfill faces. When required, seeding and mulch are used to control erosion on the landfill slopes and drainage pathways.	
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.***	a) Lndfl unit/cell Cell 1-3 , 1.4 acres. Intrm or Final Cover (I/F): I b) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ c) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ d) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ e) Acres of disposed waste not under final certified cover: 1.4 acres f) Acres of disposed waste area that have interim cover: 1.4 acres	

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.***	a) ***Briefly list corrective actions events here:*** During ADEQ quarterly inspections no allegations of noncompliance were made. b) Were any of the corrective actions taken in response to an ADEQ inspection (Y/N)? N/A c) Current status of corrective actions: _____ d) Did corrective actions permanently solve the conditions (Y/N)? N/A ***Explain briefly:*** _____	
10	22.423(b)(10) 22.522(a)(9) 22.619(b)(10)	Updated Financial Assurance documentation as required by Chapter 14. ***Note: Include copy of most recent financial assurance documentation as Attachment D. Also, include updated closure and post closure cost estimated as an attachment– recommend to use the Closure Costs and Post-closure Care Costs Worksheet located at ADEQ - Solid Waste - Technical Branch Home Page Specific links to the worksheets:*** 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 detailed calculations of cost items in tabular format with specific item breakdowns. Also, show source of unit cost information and/or inflationary factor adjustments – use ADEQ factors where applicable. If updated unit cost information is used instead of inflationary factors, show the source of unit cost information. Confirm estimates are based on largest area ever requiring final cover.***	a) Size of the facility property under current permit? 20 acres b) Size of actual permitted disposal area? 12 acres c) What is the current total permitted disposal area that contains disposed waste but is not certified closed? 1.4 acres d) Updated closure cost estimate amount: $ 51,129.62 e) Is the closure cost estimate based on the largest area ever requiring closure (Y/N)? N (Based on the current area requiring closure as required by the ADEQ.) f) Is the existing closure financial assurance adequate for acreage not yet certified closed (Y/N)?: Y g) Updated post closure care cost estimate amount: $ 2,769.10 h) Is the existing post closure care financial assurance adequate for all permitted areas (Y/N)?: Y i) Is the financial assurance mechanism a trust fund (Y/N)? (Surety Bond j) Are the sources of information for updated unit cost line items shown on the cost estimate calculations (Y/N?): N k) Do the unit cost items for soil cover material include actual third party cost of materials and labor (Y/N)? Y	**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. ***Note: Provide updated Closure Plan as Attachment E if facility obtained a permit modification during the reporting period that affects the closure and/or post closure care.***	a) Was an updated Closure Plan required during this reporting period (Y/N)?: N b) Is an updated Closure Plan attached herein (Y/N)? N	**E**

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…***	a) Are there current ADEQ enforcement actions (Y/N)? N b) Summary of enforcement actions: NA c) Are operating and permit fees payments up-to-date (Y/N)? Y If not explain: Additional Information: d) Does the facility monitor groundwater (Y/N)?: Y If so, is it detection monitoring or assessment monitoring?: Detection e) What is the groundwater analytical sampling frequency? 6 months f) Does the facility collect landfill gas (Y/N)?: N g) Does the facility have a Gas Monitoring Plan (Y/N)? Y h) Does the facility have gas monitoring probes (Y/N)? Y i) Does the facility use an alternate daily cover (ADC) (Y/N)? Y If so, what type of ADC is used: The site is currently using tarps for ADC (Class 1 area only) If so, list document id# approving ADC: 60417 (7/13/11) j) Does the facility have a Liquid Waste Management (LWM) Plan (Y/N)? Y (Class 1 area only) If so, list document id# approving the LWM Plan: 55686 k) Date and document id # of currently approved Operating Plan and Narrative: Date: 3.13.2000 Doc#: *10412 (0083-S1-R2* l) Date and document id # for currently approved Closure/ Post Closure Plan: Date: 2/2/98 Doc#: *6338* m) Date and document id # of currently approved Permit Drawings: Date: 8/26/1999 Doc#: *9466* n) Date and document id # of currently approved Design Narrative: Date: 3.13.2000 Doc#: *10412 (0083-S1-R2)* o) Are weigh scales utilized at the landfill (Y/N)? Y p) Does the final cap include a synthetic liner (Y/N)? N q) Does the final cap include clay liner (Y/N)? Y r) Total current permitted landfill volume: 178,410 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: see attached Engineer Certification Date: March 30, 2018 b) License Number: 9199 c) ***Attach seal here:***	

ATTACHMENT A

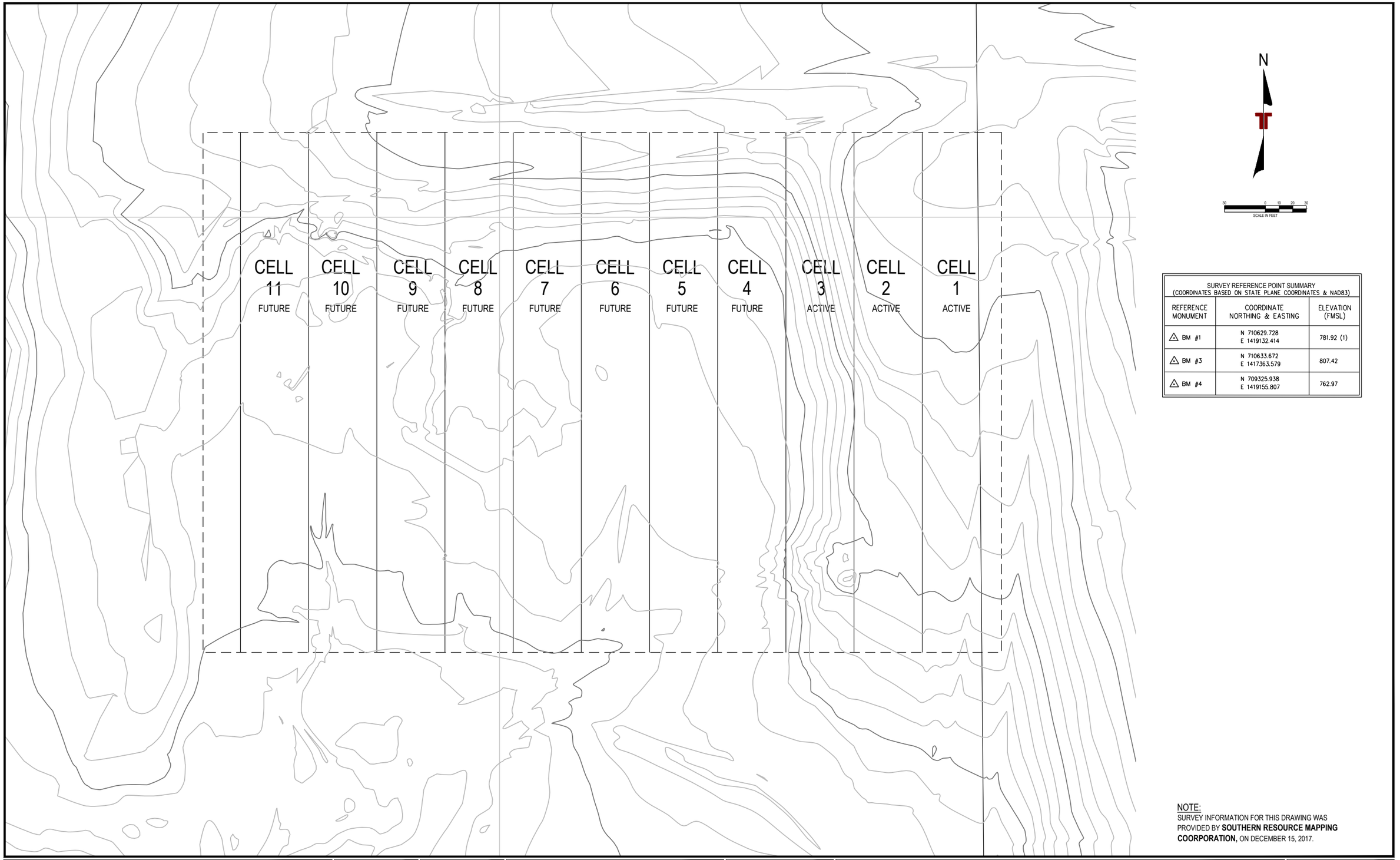
Photographic Log



1. Class 4 Cell.

ATTACHMENT B

Updated Drawings



SURVEY REFERENCE POINT SUMMARY (COORDINATES BASED ON STATE PLANE COORDINATES & NAD83)		
REFERENCE MONUMENT	COORDINATE NORTHING & EASTING	ELEVATION (FMSL)
BM #1	N 710629.728 E 1419132.414	781.92 (1)
BM #3	N 710633.672 E 1417363.579	807.42
BM #4	N 709325.938 E 1419155.807	762.97

NOTE:
SURVEY INFORMATION FOR THIS DRAWING WAS PROVIDED BY **SOUTHERN RESOURCE MAPPING COORPORATION,** ON DECEMBER 15, 2017.

REV.	DATE	BY	DESCRIPTION

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.9199
DAVID C. McCORMICK

CERTIFICATE OF AUTHORIZATION
TERRACON CONSULTANTS, INC.
No.223
ARKANSAS

Terracon
Consulting Engineers and Scientists
25809 I-30 SOUTH BRYANT, AR 72022
PH. (501) 847-9292 FAX. (501) 847-9210

IESI

DECEMBER 2017 AERIAL SURVEY

2017 ANNUAL ENGINEERING INSPECTION REPORT

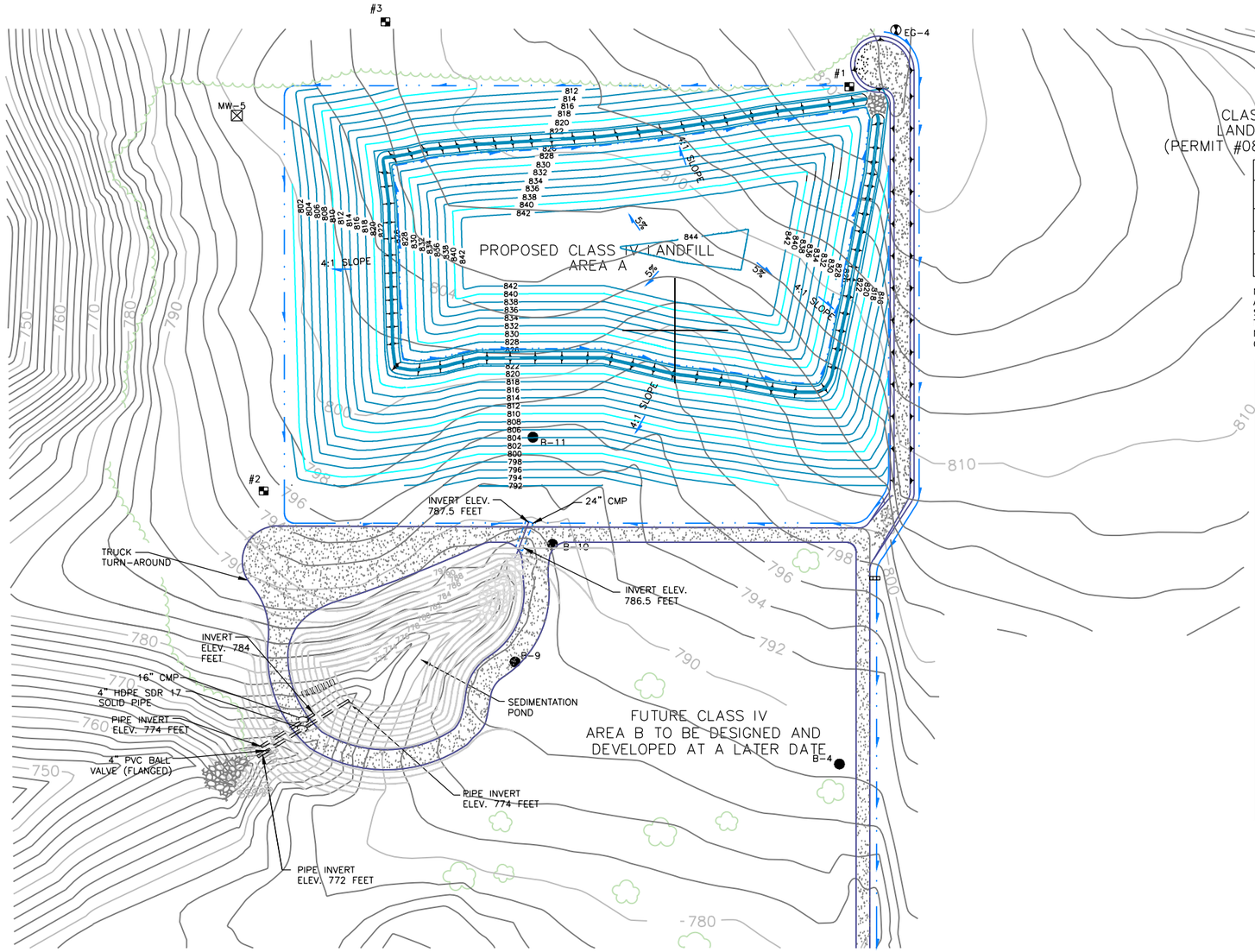
IESI-AR LANDFILL CORPORATION

CHEROKEE SANITARY LANDFILL - CLASS 4 DISPOSAL AREA

FULTON COUNTY ARKANSAS

FIGURE 1

DESIGNED BY:	TLB
DRAWN BY:	TLB
APPVD. BY:	DCM
SCALE:	SEE BARSCALE
DATE:	03/20/2018
JOB NO.	065-001-35177327
ACAD NO.	003
SHEET NO.:	1 OF 2



SURVEY REFERENCE POINT SUMMARY		
REFERENCE MONUMENT	COORDINATE (NORTHING & EASTING)	ELEVATION (FT)
BM #1	N 11244.09 E 8674.37	820.53
BM #2	N 10839.52 E 8088.27	795.02
BM #3	N 11308.94 E 8210.18	807.78

NOTE: SURVEY CONTROL MONUMENTS ARE BASED ON THE FACILITY COORDINATE SYSTEM. AS OF THE DATE OF THESE PLANS, THE FACILITY COORDINATE SYSTEM HAS NOT BEEN TIED TO THE STATE PLANE COORDINATE SYSTEM.

LEGEND

- RIP-RAP
- SURVEY CONTROL MONUMENT
- GROUND WATER MONITORING WELL
- APPROXIMATE LIMITS OF PROPOSED CLASS IV LANDFILL (WASTE BOUNDARY)
- APPROXIMATE PROPERTY BOUNDARY
- EXPLOSIVE GAS MONITORING PROBE
- 800 EXISTING CONTOURS AS OF AUGUST, 1997
- BORINGS AS COMPLETED BY GRUBBS, GARNER AND HOSKYNS IN 1989
- SURFACE WATER RUN-OFF DITCH
- SURFACE WATER DIVERSION BERM
- SILT FENCE
- STRAW BALE SEDIMENT TRAP

N

60 0 10 20 30 60
SCALE IN FEET

NOTE:
THE INFORMATION DEPICTED IN THIS DRAWING WAS DERIVED FROM GENESIS ENVIRONMENTAL CONSULTING, INC. AND RECEIVED BY THE ADEQ ON AUGUST 26, 1999 (SWD# 949/9466).

REV.	DATE	BY	DESCRIPTION

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.9199
DAVID C. McCORMICK

CERTIFICATE OF AUTHORIZATION
TERRACON CONSULTANTS, INC.
No.223
ARKANSAS

Terracon
Consulting Engineers and Scientists
25809 I-30 SOUTH BRYANT, AR 72022
PH. (501) 847-9292 FAX. (501) 847-9210

IESI

FINAL COVER SYSTEM
2017 ANNUAL ENGINEERING INSPECTION REPORT
IESI-AR LANDFILL CORPORATION
CHEROKEE SANITARY LANDFILL - CLASS 4 DISPOSAL AREA
FULTON COUNTY ARKANSAS

FIGURE 2

DESIGNED BY:	TLB
DRAWN BY:	TLB
APPVD. BY:	DCM
SCALE:	SEE BARSCALE
DATE:	3/20/2018
JOB NO.	065-001-35177327
ACAD NO.	004
SHEET NO.:	2 OF 2

ATTACHMENT C

Updated Financial Assurance

CLOSURE COST ESTIMATE
IESI - AR LANDFILL CORPORATION
CHEROKEE CLASS 4 LANDFILL (PERMIT NO. 0083-S4)
LARGEST AREA

ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Surface Preparation	2	AC	$500	$1,000
Compacted Clay Cover (18")	4,840	CY	$2.72	$13,165
Vegetation/Soil Top Layer (6")	1,621	CY	$2.00	$3,241
Seeding/Fertilizing/Mulching	2	AC	$1,000	$2,000
Erosion Control	1	LS	$1,000	$1,000
Quality Assurance/Quality Control	1	LS	$15,000	$15,000
Surveying	1	LS	$1,200	$1,200
Certification	1	LS	$500	$500
TOTAL				**$37,106**

Notes:

All costs are in 2000 Dollars

The cost shown are associated with the largest area ever requiring closure as outlined in the Closure Plan (GEC, December 1997)

Annual Inflation Adjustments:

Year	Inflation Factor (%)	Inflation Adjustment Estimate
2001	2.02%	**$37,855.54**
2002	2.17%	**$38,677.01**
2003	1.30%	**$39,179.81**
2004	1.67%	**$39,834.11**
2005	2.42%	**$40,798.10**
2006	3.03%	**$42,034.28**
2007	2.93%	**$43,265.88**
2008	3.95%	**$44,974.88**
2009	2.18%	**$45,955.34**
2010	0.51%	**$46,189.71**
2011	1.35%	**$46,813.27**
2012	2.63%	**$48,044.46**
2013	1.77%	**$48,894.85**
2014	1.02%	**$49,393.57**
2015	1.46%	**$50,114.72**
2016	1.002%	**$50,616.87**
2017	1.013%	**$51,129.62**

* Information obtained from the ADEQ website.

POST CLOSURE CARE COST ESTIMATE
IESI - AR LANDFILL CORPORATION
CHEROKEE CLASS 4 LANDFILL (PERMIT NO. 0083-S4)

ANNUAL REPAIRS (Subsidence, Settling, Erosion, Roads, Etc.)				
ITEM	**QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
Labor (3 people x 8 hr/day x 4 days/yr)	48	Hours	$15.00	$720
Equipment - Dozer	24	Hours	$98.00	$2,352
Dump Truck	8	Hours	$56.00	$448
Loader	8	Hours	$63.00	$504
Misc. Materials and Services	1	LS	$1,000.00	$1,000
TOTAL ESTIMATED ANNUAL REPAIRS				**$5,024**

TOTAL ESTIMATED ANNUAL POST-CLOSURE CARE COSTS:	**$5,024**
TOTAL ESTIMATED POST-CLOSURE CARE COSTS (2-YEAR PERIOD):	**$10,048**
20% OF ESTIMATED POST-CLOSURE COSTS	**$2,010**

Annual Inflation Adjustments:

Year	Inflation Factor (%)	Inflation Adjusted Estimate
2001	2.02%	**$2,050.19**
2002	2.17%	**$2,094.68**
2003	1.30%	**$2,121.91**
2004	1.67%	**$2,157.35**
2005	2.42%	**$2,209.56**
2006	3.03%	**$2,276.51**
2007	2.93%	**$2,343.21**
2008	3.95%	**$2,435.77**
2009	2.18%	**$2,488.87**
2010	0.51%	**$2,501.56**
2011	1.35%	**$2,535.33**
2012	2.63%	**$2,602.01**
2013	1.77%	**$2,648.06**
2014	1.02%	**$2,675.07**
2015	1.46%	**$2,714.13**
2016	1.002%	**$2,741.33**
2017	1.013%	**$2,769.10**

* Information obtained from the ADEQ website.

AFIN: 25-00028
PMT#: 0299-S1 REC'D SCAN

MAY 31 2017

DOC ID#: 71685
TO: AC > FILE 4KMB SWMD

IESI AR Landfill Corporation

May 26, 2017

Ms. Annette Cusher, Solid Waste Engineer Supervisor
Regulated Waste Programs
Office of Land Resources
Arkansas Department of Environmental Quality
5301 Northshore Dr.
Little Rock, AR 72118

RE: Closure & Post Closure Cost Estimate Permit # 0299-S1

Dear Ms. Cusher:

As per Sections 22.1402 and 22.1403, Chapter 14 of Arkansas Regulation 22, IESI AR Landfill Corporation is pleased to provide you with one (1) original and one (1) copy of the required financial assurance for Permit # 0299-S1.

The rider was updated with the annual inflation adjustment for both closure and post closure. The adjustment was at the rates provided by the Arkansas Department of Environmental Quality website.

Please call me at (832) 442-2913 if you have any questions regarding this matter.

Sincerely,
IESI AR Landfill Corporation

Zach Oliver
Southern Region Engineer

Enclosures

Cc: Kendrick Ketchum, District Manager, Waste Connections Inc.
Ronnie Black, Landfill Manager, IESI Cherokee Sanitary Landfill

EVERGREEN NATIONAL INDEMNITY COMPANY

MAYFIELD HEIGHTS, OH

POWER OF ATTORNEY

POWER NO.**850713**

KNOW ALL MEN BY THESE PRESENTS: That the Evergreen National Indemnity Company, a corporation in the State of Ohio does hereby nominate, constitute and appoint: *** **Hilarie D Frankenberry**

its true and lawful Attorney(s)-In-Fact to make, execute, attest, seal and deliver for and on its behalf, as Surety, and as its act and deed, where required, any and all bonds, undertakings, recognizances and written obligations in the nature thereof, PROVIDED, however, that the obligation of the Company under this Power of Attorney shall not exceed **Four Million Nine Hundred Thirteen Thousand Six Hundred Ninety and 62/100 Dollars ($4,913,690.62)**

This Power of Attorney is granted and is signed by facsimile pursuant to the following Resolution adopted by its Board of Directors on the 23rd day of July, 2004:

"RESOLVED, That any two officers of the Company have the authority to make, execute and deliver a Power of Attorney constituting as Attorney(s)-in-fact such persons, firms, or corporations as may be selected from time to time.
FURTHER RESOLVED, that the signatures of such officers and the Seal of the Company may be affixed to any such Power of Attorney or any certificate relating thereto by facsimile; and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company; and any such powers so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the Evergreen National Indemnity Company has caused its corporate seal to be affixed hereunto, and these presents to be signed by its duly authorized officers this 1st day of December, 2014.

EVERGREEN NATIONAL INDEMNITY COMPANY

By: _____
Matthew T. Tucker , President

By: _____
David A. Canzone, CFO

Notary Public)
State of Ohio) SS:

On this 1st day of December, 2014, before the subscriber, a Notary for the State of Ohio, duly commissioned and qualified, personally came Matthew T. Tucker and David A. Canzone of the Evergreen National Indemnity Company, to me personally known to be the individuals and officers described herein, and who executed the preceding instrument and acknowledged the execution of the same and being by me duly sworn, deposed and said that they are the officers of said Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and signatures as officers were duly affixed and subscribed to the said instrument by the authority and direction of said Corporation, and that the resolution of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at Cleveland, Ohio, the day and year above written.

PENNY M HAMM
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
April 04, 2017

_____
Penny M. Hamm, Notary Public
My Commission Expires April 4, 2017

State of Ohio) SS:

I, the undersigned, Secretary of the Evergreen National Indemnity Company, a stock corporation of the State of Ohio, DO HEREBY CERTIFY that the foregoing Power of Attorney remains in full force and has not been revoked; and furthermore that the Resolution of the Board of Directors, set forth herein above, is now in force.

Signed and sealed in Mayfield Hts, Ohio this **12th** day of **May 2017**

_____
Wan C. Collier, Secretary

IESI AR Landfill Corporation

May 26, 2017

Ms. Annette Cusher, Solid Waste Engineer Supervisor
Regulated Waste Programs
Office of Land Resources
Arkansas Department of Environmental Quality
5301 Northshore Dr.
Little Rock, AR 72118

RE: Closure & Post Closure Cost Estimate Permit # 0299-S1

Dear Ms. Cusher:

As per Sections 22.1402 and 22.1403, Chapter 14 of Arkansas Regulation 22, IESI AR Landfill Corporation is pleased to provide you with one (1) original and one (1) copy of the required financial assurance for Permit # 0299-S1.

The rider was updated with the annual inflation adjustment for both closure and post closure. The adjustment was at the rates provided by the Arkansas Department of Environmental Quality website.

Please call me at (832) 442-2913 if you have any questions regarding this matter.

Sincerely,
IESI AR Landfill Corporation

Zach Oliver
Southern Region Engineer

Enclosures

Cc: Kendrick Ketchum, District Manager, Waste Connections Inc.
Ronnie Black, Landfill Manager, IESI Cherokee Sanitary Landfill

EVERGREEN NATIONAL INDEMNITY COMPANY
MAYFIELD HEIGHTS, OH
POWER OF ATTORNEY

POWER NO.**850713**

KNOW ALL MEN BY THESE PRESENTS: That the Evergreen National Indemnity Company, a corporation in the State of Ohio does hereby nominate, constitute and appoint: *** **Hilarie D Frankenberry**

its true and lawful Attorney(s)-In-Fact to make, execute, attest, seal and deliver for and on its behalf, as Surety, and as its act and deed, where required, any and all bonds, undertakings, recognizances and written obligations in the nature thereof, PROVIDED, however, that the obligation of the Company under this Power of Attorney shall not exceed **Four Million Nine Hundred Thirteen Thousand Six Hundred Ninety and 62/100 Dollars ($4,913,690.62)**

This Power of Attorney is granted and is signed by facsimile pursuant to the following Resolution adopted by its Board of Directors on the 23rd day of July, 2004:

"RESOLVED, That any two officers of the Company have the authority to make, execute and deliver a Power of Attorney constituting as Attorney(s)-in-fact such persons, firms, or corporations as may be selected from time to time.
FURTHER RESOLVED, that the signatures of such officers and the Seal of the Company may be affixed to any such Power of Attorney or any certificate relating thereto by facsimile; and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company; and any such powers so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the Evergreen National Indemnity Company has caused its corporate seal to be affixed hereunto, and these presents to be signed by its duly authorized officers this 1st day of December, 2014.

EVERGREEN NATIONAL INDEMNITY COMPANY

By: _____
Matthew T. Tucker, President

By: _____
David A. Canzone, CFO

Notary Public)
State of Ohio) SS:

On this 1st day of December, 2014, before the subscriber, a Notary for the State of Ohio, duly commissioned and qualified, personally came Matthew T. Tucker and David A. Canzone of the Evergreen National Indemnity Company, to me personally known to be the individuals and officers described herein, and who executed the preceding instrument and acknowledged the execution of the same and being by me duly sworn, deposed and said that they are the officers of said Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and signatures as officers were duly affixed and subscribed to the said instrument by the authority and direction of said Corporation, and that the resolution of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at Cleveland, Ohio, the day and year above written.

PENNY M HAMM
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
April 04, 2017

_____
Penny M. Hamm, Notary Public
My Commission Expires April 4, 2017

State of Ohio) SS:

I, the undersigned, Secretary of the Evergreen National Indemnity Company, a stock corporation of the State of Ohio, DO HEREBY CERTIFY that the foregoing Power of Attorney remains in full force and has not been revoked; and furthermore that the Resolution of the Board of Directors, set forth herein above, is now in force.

Signed and sealed in Mayfield Hts, Ohio this **12th** day of **May 2017**

_____
Wan C. Collier, Secretary

SCHEDULE A

The following information in this schedule relates to the original standby trust agreement between the IESI AR Landfill Corporation, a Arkansas corporation (Grantor) and JPMorgan Chase Bank, N.A. (Trustee). It is intended to give specifics about the facility covered by the standby trust agreements.

Facility Permit Number: 0299-S1 – Class 1

Facility AFIN: 25-0028

Facility Name and Address:

* Cherokee Sanitary Landfill
* 300 Landfill Road
* Cherokee Village, AR 72529

The following are taken from the most recent AEIR:

Amount of Closure: $4,136,455.60

Amount of Post-Closure *(If Class 1, Class 3C, or Class 4)**: $777,235.01

**Reg.22.1403 (c) "Post Closure Trust Fund Guarantee – Owners or operators that are required by law to pay disposal fees into the post closure trust fund (Generally, Class 1, Class 3C, and Class 4 landfills) may elect to provide financial assurance in an amount not less than twenty (20) percent of estimated post-closure maintenance costs through a financial mechanism readily negotiable by the department to cash funds (e.g., letter of credit, surety bond, irrevocable trust, insurance, or other mechanism approved by the department) upon default by the owner and operator of post-closure obligations."*

Total Estimated Post-Closure costs are _____. The amount of post-closure required for financial assurance is 20% of this amount.

Zach Oliver

5/26/2017