ADEQ
ARKANSAS
Department of Environmental Quality

March 16, 2018

Mr. Robert Hendrix
Craighead SWDA
P.O. Box 16777
Jonesboro, AR 72403

RE: Quarterly Inspection conducted on March 14, 2018
AFIN 16-00199
Permit Number 0254-S1-R4

Dear Mr. Hendrix:

The Arkansas Department of Environmental Quality Office of Land Resources (ADEQ) conducted a routine inspection of your facility pursuant to the Arkansas Solid Waste Management Act (Arkansas Code, Annotated, § 8-6-201 *et seq.*), of 1971, as amended, the Arkansas Pollution Control & Ecology Commission Regulation 22 (Solid Waste Management), and the above-referenced permit. The inspection identified conditions at your facility which the ADEQ alleges constitute violations of APC&EC Regulation No. 22. A copy of the inspection report is attached.

Please refer to the attached inspection report to note the specific allegations. A written response for the noted allegations, describing the corrective action taken, or to be taken, must be submitted within thirty (30) calendar days from the date of this letter to the attention of Tobin Baker. Failure to submit the written response shall be construed as an admission of any allegations. Any items noted that are neglected or persistent may warrant formal enforcement action.

If I can be of any further assistance, please do not hesitate to contact me at (870) 935-7221 or bakert@adeq.state.ar.us.

Sincerely,

Tobin Baker

Tobin Baker
Solid Waste Inspector
Office of Land Resources

Attachment

cc: Charles M. Johnson, Senior Manager, Regulated Waste Operations, Office of Land Resources

ADEQ
ARKANSAS
Department of Environmental Quality

Arkansas Department of Environmental Quality
Office of Land Resources -Solid Waste Management
Class 1 Landfill Inspection

Site Name	Legacy Landfill	**County**	Craighead	**AFIN**	16-00199
Facility Address	238 CR 476 Jonesboro, AR 72404	**Phone Number**	870-972-6353	**Permit Number**	0254-S1-R4
Permittee Address	Craighead SWDA, P.O. Box 16777, Jonesboro AR 72403	**E-Mail Address**	rhendrix@ccswda.com	**PDS #**	101928
Date	**3/14/2018**	**Entry Time**	**1030**	**Exit Time**	**1230**

Regulation 22 – Operational Standards

Category 1

	Regulation	Item Description	Comments
	411(l)	Adequate employee facilities	
	421(a)(b)	Record keeping meets requirements specified by regulations	
	417	Access requirements	
	411(j)	Adequate provisions for backup equipment	
	421(d)	Waste receipt records, ticket system maintained	
	411(k)	Telephone system & written emergency response plan on site	
	423(b)	Annual compliance inspection by registered professional engineer	
	422	Facility implements operating plan and narrative	
	421(f)	Leachate disposal/recirculation records	
	421(g),701	Special waste disposal and procedures records	

Category 2

	Regulation	Item Description	Comments
	411(a)	Operations in accordance with permit documents	
	417(c)	Adequate all weather operational roads	
	411(c)	Smallest practical area, unloading supervised, single working face	
	411(e)	Salvage operations meet approved conditions	
	411(f)(1)	Scavenging of waste prohibited	
	411(p)	Proper wet weather repairs	
	411(b)	Operations by licensed on-site personnel at all times	
	411(d)	Waste spread and compacted as unloaded	
	411(g)	Litter control provisions maintained	
	414(a)	Disease vectors controlled	

Category 2 (continued)

	Regulation	Item Description	Comments
	427	Surface Water Controls	
	411(h)(1)	Contouring prevents surface water flowing into or through waste	
	418(a)(b)	Run-on/off control system present and adequate	
	411(h)(2)	Surface water control prevents off-site sediment accumulation	
	411(i);427(f)	Adequate maintenance of intermediate/final cover vegetation	
	415	Gas monitoring program	
X	411(o)	Leachate leaks or evidence of leachate seepage	See Comments Page
	426	Survey controls	
	429	Leachate collection system	
	420	Liquid Restrictions	

Category 3

	Regulation	Item Description	Comments
	412	Implementation of hazardous/unauthorized waste exclusion plan	
	413(a)(b)	Satisfactory daily/alternative cover	
	413(c)	Satisfactory intermediate cover	
	416(b),411(f)(4)	Open burning prohibited	
	419	Cause discharge/leachate discharge leaving landfill	
	411(f)(3),419(a)(4)	Depositing waste in standing water prohibited	
X	411(o)	Erosion or other cover defects resulting in exposed refuse	See Comments Page
	309(c)	Overfill/Off lined area	

Regulation 22 - Records

421(a)(8), 1203(k)	Date of last groundwater monitoring report			3/12/2018	Site Conditions		Dry		
423(b)	Date of last engineering report			3/30/2017	Weather Conditions		Sunny		
428	Liner construction in progress	Yes/No	No	Notice of liner construction	Yes/No	No	Third party CQA on-site during construction	Yes/No	No
412(a)	Date of last random inspection for unauthorized waste			3/13/2018	Total # for month	20			
415, 421(e)	Date of last quarterly methane monitoring			2/15/2018	Detection level	0 LEL	415(a) Explosive gas records current?	Yes/No	Yes
421(g),412(a)(2),701	Date of last special waste received			9/6/2017	Disposal location	Cell 2/3			
421(d)	Previous quarter waste received			4th Quarter 2017	Tons	Class 1- 22,917.21 Class 4-7,709.13			
427(c)	Surface water DMR records current?	Yes/No	Yes						

Fayetteville Shale Related	Yes/No No	Out of Compliance with Fayetteville Shale	Yes/No No

Operator Name & Number	Robert Hendrix 00336	Signature of Inspector	Tobin Baker

Exit Interview Conducted with	David Passmore	Method	On-site	Date	3/14/2018	Time	1220

For ADEQ Use Only

Arkansas Department of Environmental Quality
Solid Waste Management Division
Comments Page

Site Name	Legacy Landfill	AFIN	16-00199	Permit Number	0254-S1-R4

Category 2 Comments

Reg. 22.411General Operating Requirements (Leachate leaks or evidence of leachate seepage)

(o) Cover Maintenance - The owner or operator shall be responsible for maintaining the cover system integrity and shall promptly repair erosion, washout, tracking, or other defects that result in exposed refuse in either daily or intermediate cover, or exposure of the barrier system of the final cover. Areas of leachate seepage, or areas exhibiting evidence of leachate seepage, such as staining and discoloration of the cover system, shall also be promptly repaired.

Comments: Leachate leaks were observed on the south slope of Cell 4 Unit 1 and on the south slope of Cell 4 Unit 3. (Refer to Photos #1 - #3.)

Date	3/14/2018	Signature of Inspector	John Baker	Page	1

Arkansas Department of Environmental Quality
Solid Waste Management Division
Comments Page

Site Name	Legacy Landfill	AFIN	16-00199	Permit Number	0254-S1-R4

Category 3 Comments

Reg.22.411- General Operating Requirements(Erosion or other cover defects resulting in exposed refuse**)**
(o) Cover Maintenance - The owner or operator shall be responsible for maintaining the cover system integrity and shall promptly repair erosion, washout, tracking, or other defects that result in exposed refuse in either daily or intermediate cover, or exposure of the barrier system of the final cover. Areas of leachate seepage, or areas exhibiting evidence of leachate seepage such as staining and discoloration of the cover system shall also be promptly repaired.

Comment: Erosion cuts with exposed waste were observed on the west slope of Cell 3. (Refer to Photo #4.)

Date	3/14/2018	Signature of Inspector	John Baker	Page	2

Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet

Location	Legacy Landfill			**Permit**	0254-S1-R4	**AFIN**	16-00199
Photographer	Tobin Baker, ADEQ Solid Waste Inspector TB			**Witness**	N/A		
Photo #	1	**Of**	2	**Date**	3/14/2018	**Time**	1117
Description	View of the leachate leaks on the south slope of Cell 4 Unit 1.						



Location	Legacy Landfill			**Permit**	0254-S1-R4	**AFIN**	16-00199
Photographer	Tobin Baker, ADEQ Solid Waste Inspector TB			**Witness**	N/A		
Photo #	2	**Of**	2	**Date**	3/14/2018	**Time**	1117
Description	View of the leachate leaks on the south slope of Cell 4 Unit 1.						



Inspector Signature: Tobin Baker

Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet

Location	Legacy Landfill			**Permit**	0254-S1-R4	**AFIN**	16-00199
Photographer	Tobin Baker, ADEQ Solid Waste Inspector	TB		**Witness**	N/A		
Photo #	3	**Of**	4	**Date**	3/14/2018	**Time**	1121
Description	View of leachate leaks on the south slope of Cell 4 Unit 3.						



Location	Legacy Landfill			**Permit**	0254-S1-R4	**AFIN**	16-00199
Photographer	Tobin Baker, ADEQ Solid Waste Inspector	TB		**Witness**	N/A		
Photo #	4	**Of**	4	**Date**	3/14/2018	**Time**	1134
Description	View of erosion with exposed waste on the west slope of Cell 3.						



Inspector Signature: Tobin Baker

ADEQ

A R K A N S A S
Department of Environmental Quality

Regulated Waste Operations Compliance Branch
OFFICE OF LAND RESOURCES
ROUTING SLIP

Date: 3/15/2018

Subj: Legacy Class 1 Landfill – 0254-S1-R4 Q1 2018 – Inspection Report

From: Tobin Baker, ADEQ Solid Waste Inspector

Route in turn to:	***Action Needed***	***Date Received***	***Date Reviewed***	***Initials***
Ryan Hayden	■Concurrence ■Review	3/15/18	3/15/18	RH
Chris Krou	■Concurrence ■Review	3/15/18	3/15/18	qc

****Note: Marking the Concurrence box indicates the individual agrees with the applicable text as it relates to their individual discipline and Work Section (e.g., Engineer; Risk Assessor; Geology; Compliance; Policy/Management), as applicable. Marking the Review box indicates the individual has read the document.***

COMMENTS:

Blue, Karen

To: Baker, Tobin
Subject: RE: Response to 3-14-18 Inspection

From: Robert Hendrix [mailto:rhendrix@ccswda.com]
Sent: Friday, April 13, 2018 2:03 PM
To: Baker, Tobin
Subject: Response to 3-14-18 Inspection

Attached is our comments and photographs of the repairs made after your most recent inspection.

Robert D. Hendrix, PE, CFM
Executive Director
Craighead County Solid Waste Disposal Authority
PO Box 16777 - Jonesboro, AR 72403
238 CR 476 - Jonesboro, AR 72404
PH (870) 972-6353, Ext. 5
FAX (870) 972-0495
E-Mail: rhendrix@ccswda.com

Virus-free. www.avast.com

Rec'd Digitally

AFIN: 16-00199

PMT#: 0254-S1-R4

RECEIVED
By bluek at 9:43 am, Apr 16, 2018

DOC ID#: 73654

TO: RH>FILE <KMB

SWMD

Craighead County Solid Waste Disposal Authority
P.O. Box 16777 • Jonesboro, AR 72403 • 870-972-6353 • fax: 870-972-0495

April 11, 2018

Mr. Tobin Baker, ADEQ Inspector
Solid Waste Management Division
Arkansas Department of Environmental Quality
5301 North Shore Drive
North Little Rock, AR 72118-5317

Re: Quarterly Inspection; AFN16-00199; Permit Number 0254-S1-R3

Dear Mr. Baker:

I have reviewed the latest Quarterly Inspection Report dated March 16, 2018 and would like to address your comments in the following paragraphs.

The following comments are not to present an excuse but rather a factual explanation of our status at the Legacy Landfill. First, we have suffered an unusually wet winter in northeast Arkansas as has much of the state. Since January 1, 2018 to March 14, 2018 we have recorded over 18 inches of rainfall and 14 inches of that has fallen during the 28 days of February. Due to the cold, cloudy, rainy weather we were unable to maintain our normal maintenance routine of repairing erosion and leachate leaks. We worked on areas when and where we could safely operate a dozer, skid-steer, excavator, etc.

Reg. 22.411General Operating Requirements (<u>Leachate leaks or evidence of leachate seepage</u>)

(o) Cover Maintenance - The owner or operator shall be responsible for maintaining the cover system integrity and shall promptly repair erosion, washout, tracking, or other defects that result in exposed refuse in either daily or intermediate cover, or exposure of the barrier system of the final cover. Areas of leachate seepage, or areas exhibiting evidence of leachate seepage, such as staining and discoloration of the cover system, shall also be promptly repaired.

Comments: Leachate leaks were observed on the south slope of Cell 4 Unit 1 and on the south slope of Cell 4 Unit 3. (Refer to Photos #1 - #3.)



ADEQ Photo #1



ADEQ Photo #2



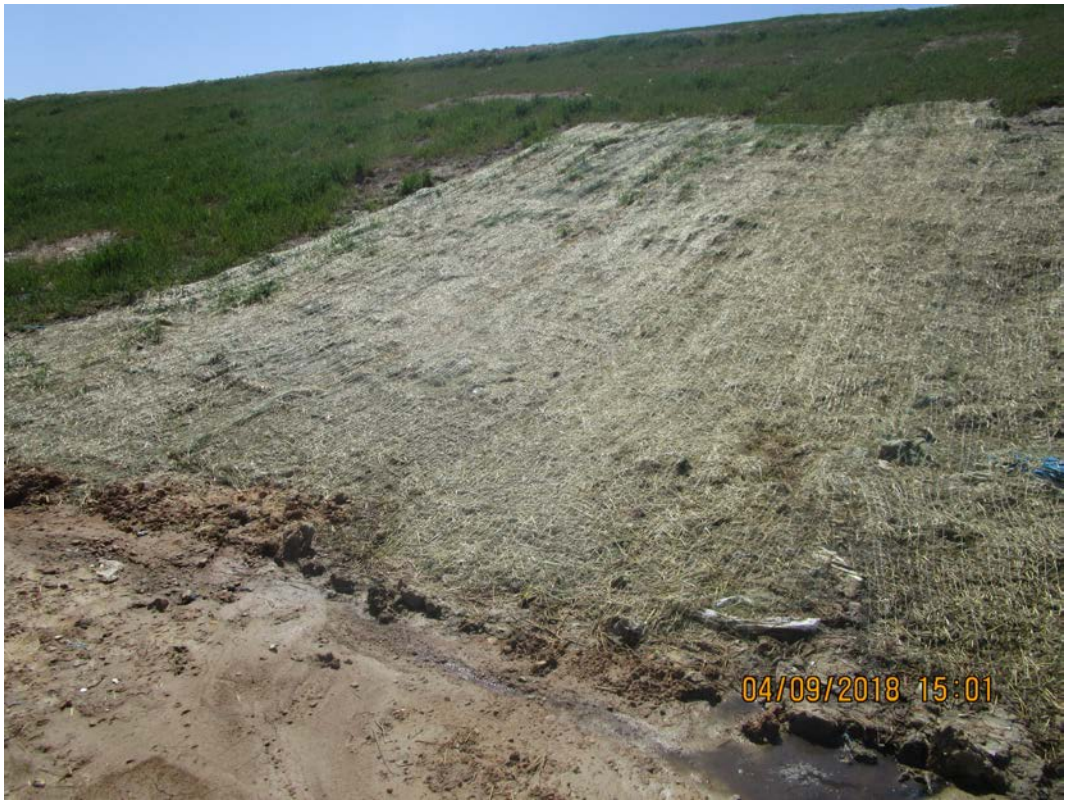
ADEQ Photo #3

Response:

Once the ground conditions were suitable to access the site, the leachate leaks were excavated and washed rock was placed in the blockage to allow the flow of leachate to travel vertically into the waste mass rather than horizontally out to the surface. The washed rock was covered with soil, seeded and then a temporary erosion control fabric was stapled down to protect the area until grass could take over. At no time was leachate observed leaving the lined area of the cell.



CCSWDA Photo #1



CCSWDA Photo #2

Reg.22.411- General Operating Requirements(<u>Erosion or other cover defects resulting in exposed refuse</u>)

(o) Cover Maintenance - The owner or operator shall be responsible for maintaining the cover system integrity and shall promptly repair erosion, washout, tracking, or other defects that result in exposed refuse in either daily or intermediate cover, or exposure of the barrier system of the final cover. Areas of leachate seepage, or areas exhibiting evidence of leachate seepage such as staining and discoloration of the cover system shall also be promptly repaired.

Comment: Erosion cuts with exposed waste were observed on the west slope of Cell 3. (Refer to Photo #4.)



ADEQ Photo #4

Response:

The eroded area was repaired as shown in the following photograph.



CCSWDA Photo #3

Mr. Baker, I sincerely appreciate you working with us and the cooperation we receive during these inspections. I can assure you and the Department that we will continue with all diligence to maintain the Legacy Landfill to the very best of our ability and in accordance with Regulation 22.

Thanks again for your understanding and consideration.

Respectfully,

Robert D. Hendrix, PE, CFM
Executive Director

RDH:rdh
CC: CCSWDA Board; CCSWDA Staff