

File Copy

1505A

Investigation # 1368875

| Role | Name |
|-------------|----------------|
| QA Reviewer | CARLOS GRIGGS |
| Supervisor | ALMA JEFFERSON |

Associated Check List**Checklist Name**

MSW COMPLAINT INVESTIGATION

Unit Name

1505A

Investigation Comments:**INTRODUCTION**

On September 29, October 1 and 3, 2016, the Texas Commission on Environmental Quality Houston Region Office Waste Section (TCEQ Houston) received three complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545. The odors were alleged to have occurred on September 29 and October 1, 2016.

On October 13, 2016, Mr. Richard Blackney, Environmental Investigator of TCEQ Houston, conducted an unannounced Odor Complaint Investigation at BRL and the area surrounding it. An On-Site Follow-up Investigation was also conducted to determine the status of an outstanding violation at BRL for erosion of cover.

BACKGROUND

On December 18, 2015, during Investigation No. 1300533, an alleged violation for erosion of cover was noted at BRL and remains outstanding.

On August 15, 2016, TCEQ Houston received a letter (Attachment 1) from Mr. Burgess Stengl, Environmental Manager for BRL. The letter included photographs showing repair made to erosion at BRL.

On August 26, 2016, TCEQ Houston received a letter from Mr. Stengl requesting additional time to repair erosion cause by rain that fell between August 13 and August 22, 2016. On August 30, 2106, TCEQ Houston sent BRL a letter allowing for additional time to make repairs, and requesting documentation demonstrating compliance. The letters are included in Attachment 2.

On October 6, 2016, TCEQ Houston received a letter (Attachment 3) from BRL that included photographs showing repair to landfill cover.

GENERAL FACILITY AND PROCESS INFORMATION

BRL's authorization numbers from the TCEQ Central Registry database are included in Attachment 4. BRL is a Type I landfill which is authorized to operate by TCEQ Municipal Solid Waste (MSW) Permit No. 1505A.

The landfill is authorized to accept municipal solid waste including household solid waste, commercial solid waste, construction and demolition waste, and yard waste; Class 1, Class 2 and Class 3 non-hazardous industrial waste; and liquid wastes. Class 1 waste is buried in the designated Class 1 cell of the landfill. Liquid wastes are sent to a bulking facility/solidification basin prior to disposal in the landfill. Regulated hazardous waste may not be accepted for disposal.

The waste acceptance hours are Monday through Friday, 4:00 am to 5:00 pm, and Saturdays from 5:30 am to 12:00 pm. The surrounding land use includes industrial facilities and residential subdivisions.

Complainant Information:

See confidential files (TCEQ Incident Nos. 244849, 244925 and 246463).

Description of Alleged Effects:

No health effects were alleged.

Meteorological data at the time of the odor survey:

Wind direction: Southeast

Wind Speed: 8.5 mph

Temperature: 86.6 °F

Meteorological data taken from TCEQ's continuous air monitoring stations (Attachment 5).

Odor Survey (OS):

The investigator arrived at the first survey point located at the 11800 block of Sea Shadow Drive in Pearland. OS No. 1 took place upwind of BRL and was conducted at 1:57 p.m. No landfill odors were detected during the 15 minutes spent at OS site No. 1.

The investigator went to OS site No. 2 located at the 12900 block of Meadow Springs Drive in Missouri City. OS No. 2 took place upwind of BRL and was conducted at 2:21 p.m. No landfill odors were detected during the 15 minutes spent at OS site No. 2.

Aerial view maps of the OS locations and the OS logs are included in Attachment 5.

Summary of on-site investigation:

Following the odor survey, the investigator arrived at BRL, and met with Mr. Matt Montagna, Landfill Operations Manager, and Mr. Stengl, to whom the purpose and scope of the investigation were explained.

BRL receives Class 1 waste in its Class 1 disposal cell Monday through Friday, and receives MSW in the MSW cell Monday through Saturday. Six inches of soil is applied to the Class 1 cell and MSW cell at the end of each operating day. The investigator viewed the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained copies of cover logs for September and October 2016 (Attachment 6). The cover logs indicate that soil is applied to the working faces as required.

The investigator observed that since the previous investigation at Blue Ridge Landfill on August 5, 2016, additional soil had been laid on the slopes of the landfill to repair areas of erosion. New letdown structures were also being installed to channel rainwater, in an attempt to prevent erosion from rainfall. However, at least one erosion gully greater than four inches deep was observed to be in need of repair at the time of the investigation.

BRL has a system of misters for the purpose of neutralizing odors. The investigator viewed the misting system in operation.

Description of Odor:

Odors typical of landfill garbage were not detected during the odor survey.

Description of the Effects on the Investigator:

No health effects were experienced by the investigator.

Description of the Terrain Features of the Area:

Terrain is flat with residences and businesses.

Location of the Source of the Odor:

The alleged source of the odor is BRL.

ODOR FIDO CHART EVALUATION:

According to the Frequency, Intensity, Duration, and Offensiveness (FIDO) protocol, the odor of landfill garbage is characterized as "offensive". As landfill odors were not detected during this investigation, nor during investigations conducted within the previous 90 days, a frequency of odors was not determined.

Physical Effects Experienced by the Investigator which are Indicative of Adverse Effects upon Health:

The investigator did not experience any physical effects during the investigation.

Normal use of Property Affected by the Odor and the Manner in which such Odor could Reasonably be Expected to Interfere with this Use:

According to FIDO protocol, a nuisance condition was not confirmed.

SUMMARY OF INVESTIGATION FINDINGS

OUTSTANDING ALLEGED VIOLATION

The following alleged violation was noted during the investigation conducted on December 18, 2015 and remains outstanding:

Site Operating Plan 4.18 / 30 Texas Administrative Code §330.165(g) – Landfill Cover (Category C4)

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

On August 15, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On August 26, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair erosion cause by rain that occurred between August 13 and August 22, 2016.

On October 6, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On October 13, 2016, repair of many of the areas of crosion was observed, but not all erosion was repaired.

Blue Ridge Landfill is requested to restore the cover material and include the date of completion of repairs in the cover log. The facility is requested to submit documentation to the TCEQ Houston Region Office to verify compliance.

OUTSTANDING ALLEGED VIOLATION(S)

Track Number: 598524

Compliance Due Date: To Be Determined

Violation Start Date: Unknown

30 TAC Chapter 330.165(g)

PERMIT 1505A, Site Operating Plan 4.18.3

Erosion gullies or washed-out areas will be repaired within 5 days of detection by restoring the cover material, grading, compacting, and seeding.

Alleged Violation:

Investigation: 1300533

Comment Date: 03/18/2016

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

Investigation: 1308059

Comment Date: 04/05/2016

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs,

including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

Investigation: 1314675

Comment Date: 04/22/2016

Compliance with this regulation was evaluated during investigations on February 2, 2016 and March 2, 2016.

Investigation: 1320039

Comment Date: 05/16/2016

Compliance with this regulation was evaluated during the investigation on March 14, 2016.

Investigation: 1323599

Comment Date: 06/02/2016

Compliance with this regulation was evaluated during the investigation conducted on April 6, 2016.

Investigation: 1324578

Comment Date: 07/15/2016

Compliance with this regulation was evaluated during the investigation conducted on April 11, 2016.

Investigation: 1329398

Comment Date: 07/28/2016

Compliance with this regulation was evaluated during the investigation on April 25, 2016.

Investigation: 1335255

Comment Date: 09/01/2016

Compliance with this regulation was evaluated during the investigation conducted on May 17, 2016.

Investigation: 1337197

Comment Date: 09/26/2016

Compliance with this regulation was evaluated during the investigation conducted on June 3, 2016.

Investigation: 1341981

Comment Date: 10/10/2016

Compliance with this regulation was evaluated during the investigation conducted on June 20, 2016.

Investigation: 1344778

Comment Date: 10/28/2016

Compliance with this regulation was evaluated during the investigation conducted on July 11, 2016.

Investigation: 1351787

Comment Date: 11/18/2016

Compliance with this regulation was evaluated during the investigation conducted on August 5, 2016.

Investigation: 1368875

Comment Date: 11/30/2016

Compliance with this regulation was evaluated during the investigation conducted on October 13, 2016.

Recommended Corrective Action: On August 15, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On August 26, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair erosion cause by rain that occurred between August 13 and August 22, 2016.

On October 6, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On October 13, 2016, repair of many of the areas of erosion was observed, but not all erosion was repaired.

Blue Ridge Landfill is requested to restore the cover material and include the date of completion of repairs in the cover log. The facility is requested to submit documentation to the TCEQ Houston Region Office to verify compliance.

Signed Richard Bladeney
Environmental Investigator

Date 12/14/16

Signed Alma L. Jefferson
Supervisor

Date 12/14/2016

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type): additional compliance request

☐ Investigation Report

☐ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☐ Photographs

☒ Correspondence from the facility

☒ Other (specify):

see list of attachments



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 14, 2016

CERTIFIED MAIL #7013 3020 0000 9763 2496
RETURN RECEIPT REQUESTED

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
P.O. Box 879
Fresno, Texas 77545

Re: Blue Ridge Landfill, 2200 FM 521 Rd., Fresno (Fort Bend County), Texas 77545
TCEQ Municipal Solid Waste Permit No.: 1505A

Dear Mr. Stengl:

On October 13, 2016, Mr. Richard Blackney of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for municipal solid waste. Enclosed is a summary which lists the investigation findings. During a previous investigation on December 18, 2015, a concern was noted which was an alleged violation and remains outstanding.

We will monitor your progress in implementing corrective action. Please be advised, though, that if we determine during follow-up monitoring that you are not working towards compliance, further enforcement action will be considered.

The TCEQ appreciates your assistance in this matter and anticipates that you will resolve the alleged violation as required in order to protect the State's environment. If you or members of your staff have any questions, please feel free to contact Mr. Blackney in the Houston Region Office at (713) 767-3718.

Sincerely,

A handwritten signature in cursive script that reads "Alma L. Jefferson".

Alma L. Jefferson, Team Leader
Waste Section
Houston Region Office

ALJ/RLB/rsv

Enclosure: Summary of Investigation Findings

SUMMARY OF INVESTIGATION FINDINGS

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on October 13, 2016**

OUTSTANDING ALLEGED VIOLATION

The following alleged violation was noted during the investigation conducted on December 18, 2015, and remains outstanding:

Site Operating Plan 4.18.3 / 30 Texas Administrative Code §330.165(g) – Landfill Cover

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

On August 15, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On August 26, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair erosion cause by rain that occurred between August 13 and August 22, 2016.

On October 6, 2016, TCEQ Houston received a letter from Blue Ridge Landfill that included photographs showing repair of cover.

On October 13, 2016, repair of many of the areas of erosion was observed, but not all erosion was repaired.

Blue Ridge Landfill is requested to restore the cover material and include the date of completion of repairs in the cover log. The facility is requested to submit documentation to the TCEQ Houston Region Office to verify compliance.

CERTIFIED MAIL RECEIPT CARD ("Green Card")

Division/Region: OCE-R12 Section: WasteRecord Series: MSWPrimary Identification Number (Acct/RN): 1505A

Secondary Identification Number (Permit): _____

Facility: Blue Ridge Date of Letter: _____Regarding: Other

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature Burgess StenglD. Is delivery address of Addressee Yes ☒ No ☐If YES, enter delivery address below: ☐ Agent ☒ Addressee

DEC 23 2016

REGION 12

3. Service Type

☒ Certified Mail ☐ Express Mail☐ Registered ☐ Return Receipt for Merchandise☐ Insured Mail ☐ C.O.D.4. Restricted Delivery? (Extra Fee) ☐ Yes ☐ No

7013 3020 0000 9763 2496

Domestic Return Receipt

PS Form 3811, July 1999

102595-00-M-0952

7013 3020 0000 9763 2496

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com™

OFFICIAL USE

Postage \$ 1505ACertified Fee R BlackmanReturn Receipt Fee (Endorsement Required) 12.14.16Restricted Delivery Fee (Endorsement Required) Other

Total Pos

MR. BURGESS STENGL

ENVIRONMENTAL MANAGER

BLUE RIDGE LANDFILL TX, LP

P O BOX 879

FRESNO, TX 77545

PS Form 3800, August 2006

See Reverse for Instructions

ENTERED 12-30-16

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MR. BURGESS STENGL
 ENVIRONMENTAL MANAGER
 BLUE RIDGE LANDFILL TX, LP
 P O BOX 879
 FRESNO, TX 77545

2. 7013 3020 0000 9763 2496

Domestic Return Receipt

PS Form 3811, July 1999

102595-00-M-0952

7013 3020 0000 9763 2496

U.S. Postal Service™

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OFFICIAL USE

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Total Pos

MR. BURGESS STENGL

ENVIRONMENTAL MANAGER

BLUE RIDGE LANDFILL TX, LP

P O BOX 879

FRESNO, TX 77545

PS Form 3800, August 2006

See Reverse for Instructions

ENTERED 12-30-16

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on October 13, 2016**

List of Attachments

| | |
|--------------|---|
| Attachment 1 | Letter from Blue Ridge Landfill |
| Attachment 2 | Letter from Blue Ridge Landfill and response letter from the TCEQ Houston Region Office |
| Attachment 3 | Letter from Blue Ridge Landfill |
| Attachment 4 | Blue Ridge Landfill information from the TCEQ Central Registry Database |
| Attachment 5 | Map of Odor Survey locations and Odor Logs |
| Attachment 6 | September and October 2016 Cover logs |

ATTACHMENT 1



2200 FM 512 Fresno, TX 77545
o 713-676-7669 republicservices.com

August 11, 2016

Ms. Alma L. Jefferson, Team Leader
Region 12, Waste Section
Texas Commission on Environmental Quality (TCEQ)
5425 Polk Ave., Ste. H
Houston, TX 77023

Re: Outstanding Alleged Violations – July 28, 2016
Response to Additional Compliance Documentation Needed
Blue Ridge Landfill – TCEQ Permit No. MSW- 1505A
Fort Bend County, Texas

Dear Ms. Jefferson:

This letter is submitted on behalf of the Blue Ridge Landfill TX, LP (Landfill) to respond to your July 28, 2016 request for additional compliance documentation for an outstanding alleged violation. The outstanding alleged violation involves erosion of cover that was observed at the Landfill by Mr. Richard Blackney on April 11, 2016. I have attached photos of the areas that Mr. Blackney observed having erosion of more than four inches in depth (Attachments).

It is noted that the TCEQ continues to issue Outstanding Alleged Violation Letters to the Landfill on a schedule that does not provide the requested 30 day response. The previous TCEQ letter was dated July 1, 2016 with a response requested within 30 days. The current letter is dated July 28, 2016, and each letter is for investigations dating back to April 2016. To complicate the situation, the TCEQ Region 12 office has issued two letters that allow additional time after rain events to make required repairs. The first letter was dated April 29, 2016, and the second August 2, 2016 (both attached). The Landfill is of the opinion that the Outstanding Alleged Violations for erosion should no longer be issued for investigations after April 29, 2016. Please clarify if this is the understanding of the TCEQ Region 12 office.

This letter, along with the attached photographs, should be adequate documentation that the Blue Ridge Landfill continues to strive for compliance with the TCEQ regulations regardless of weather-related issues.

RECEIVED

AUG 15 2016

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Please contact me at 713-676-7669 if you require additional information or have any questions regarding this documentation.

Sincerely,

A handwritten signature in cursive script, reading "Burgess Stengl".

Burgess Stengl
Environmental Manager

Attachments

RECEIVED

AUG 15 2016

REGION 12

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 29, 2016

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, Texas 77545

Re: Request for Additional Time to Repair Erosion at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545
TCEQ MSW Permit No.: 1505A

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has received your April 25, 2016 letter requesting additional time to repair erosion caused by rain on April 17 and 18, 2016 at the Blue Ridge Landfill.

In accordance with Title 30 Texas Administrative Code §330.165(g), erosion of cover must be repaired within five days of detection unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The TCEQ Houston Region Office's evaluation indicates the information presented is sufficient to allow additional time for repair. Please submit to this office within 30 days of repair the required documentation demonstrating that compliance has been achieved.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding this matter, please feel free to contact me in the Houston Region Office at (713) 767-3615.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason T. Ybarra".

Jason T. Ybarra
Manager, Waste Section
Houston Region Office

JTY/ALJ/rsv

cc: Chance Goodin, Manager, TCEQ MSW Permits, MC-124
Gulay Aki, P.E., Team Leader, MSW Permits, MC-124

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niemann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 2, 2016

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
5757 Oates Road, Suite A
Houston, Texas 77078

Re: Request for Additional Time to Repair Erosion at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545
TCEQ MSW Permit No.: 1505A

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has received your July 29, 2016 letter requesting additional time to repair erosion caused by rain on July 25, 26, 27, and 28, 2016 at the Blue Ridge Landfill.

In accordance with Title 30 Texas Administrative Code § 330.165(g), erosion of cover must be repaired within five days of detection unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The TCEQ Houston Region Office's evaluation indicates the information presented is sufficient to allow additional time for repair. Please submit to this office within 30 days of repair the required documentation demonstrating that compliance has been achieved.

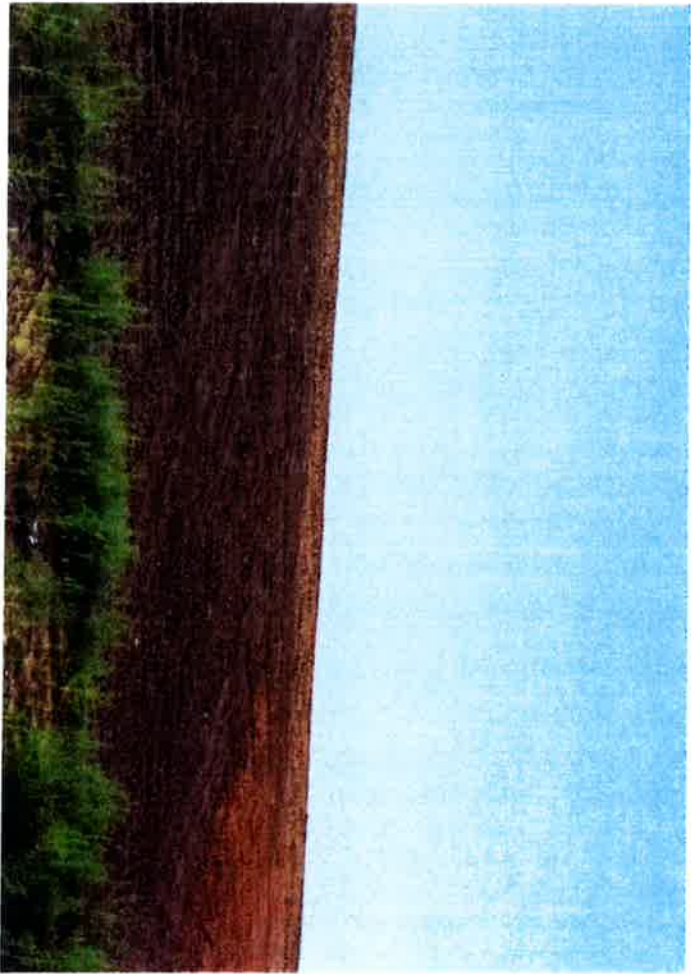
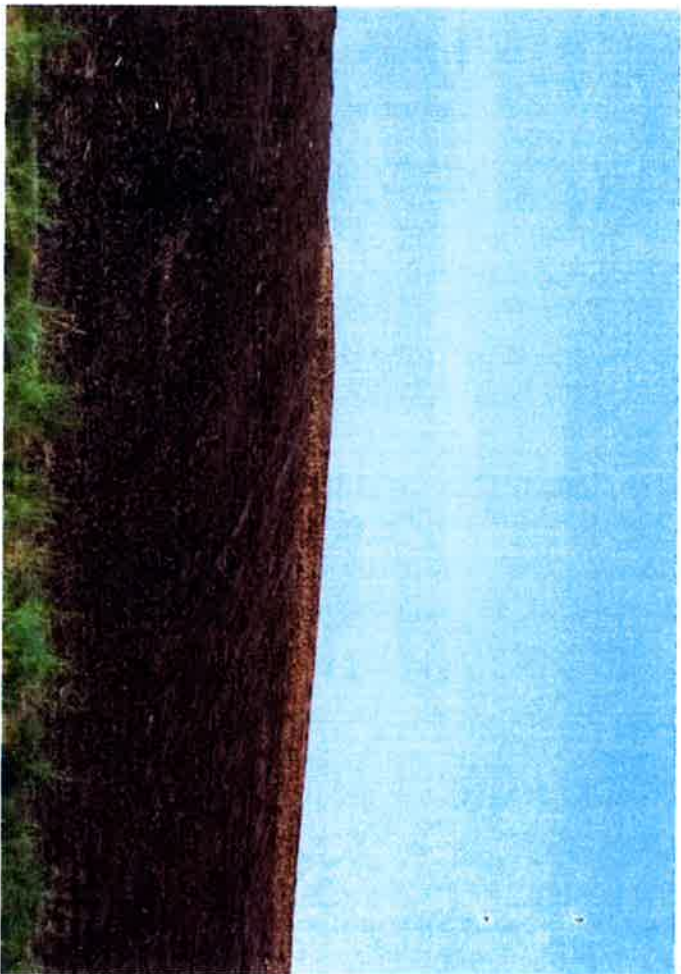
The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding this matter, please feel free to contact me in the Houston Region Office at (713) 767-3615.

Sincerely,


Jason T. Ybarra
Manager, Waste Section
Houston Region Office

JTY/ALJ/rsv

cc: Mr. Matt Montagna, Blue Ridge Landfill TX, LP, 2200 FM 521 Road, Fresno, RX 77545
Mr. Chance Goodin, Manager, TCEQ MSW Permits, MC-124



ATTACHMENT 2



August 25, 2016

Mr. Jason Ybarra, Waste Section Manager
Texas Commission on Environmental Quality (TCEQ) Region 12
5425 Polk Avenue, Suite H
Houston, Texas 77023

**Re: Request for Additional Time to Repair Erosion
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, TX 77545
MSW Permit No: 1505A**

Dear Mr. Ybarra,

In accordance with Section 4.18 of the approved Site Operating Plan (SOP), Blue Ridge Landfill is requesting additional time to repair erosion caused by rain between August 13 and 22, 2016. During that period of time, approximately 10.4 inches of rain fell. The SOP requires erosion to be repaired within five days of detection; however, the repairs cannot be made within this timeframe due to the wet soil on the slopes. Safety and environmental compliance are at the forefront of the Blue Ridge Landfill; therefore, the repairs will be made as soon as possible.

If you have any questions regarding this request, please feel free to contact me at 713-676-7669.

Sincerely,

A handwritten signature in cursive script, reading "Burgess Stengl".

Burgess Stengl
Environmental Manager

Cc: Matt Montagna, Blue Ridge Landfill

RECEIVED

AUG 26 2016

REGION 12



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 30, 2016

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
5757 Oates Road, Suite A
Houston, Texas 77078

Re: Request for Additional Time to Repair Erosion at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545
TCEQ MSW Permit No.: 1505A

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has received your August 25, 2016 letter requesting additional time to repair erosion caused by rain between August 13 and 22, 2016 at the Blue Ridge Landfill.

In accordance with Title 30 Texas Administrative Code § 330.165(g), erosion of cover must be repaired within five days of detection unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The TCEQ Houston Region Office's evaluation indicates the information presented is sufficient to allow additional time for repair. Please submit to this office within 30 days of repair the required documentation demonstrating that compliance has been achieved.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding this matter, please feel free to contact me in the Houston Region Office at (713) 767-3615.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason T. Ybarra".

Jason T. Ybarra
Manager, Waste Section
Houston Region Office

JTY/ALJ/rsv

cc: Mr. Matt Montagna, Blue Ridge Landfill TX, LP, P.O. Box 879, Fresno, Texas 77545
Mr. Chance Goodin, Manager, TCEQ MSW Permits, MC-124

ATTACHMENT 3



REPUBLIC
SERVICES

2200 FM 512 Fresno, TX 77545
o 713-676-7669 republicservices.com

October 6, 2016

Mr. Jason Ybarra, Waste Section Manager
Region 12, Waste Section
Texas Commission on Environmental Quality (TCEQ)
5425 Polk Ave., Ste. H
Houston, TX 77023

Re: Response to Additional Time to Repair Approval – April 29, 2016
Blue Ridge Landfill – TCEQ Permit No. MSW- 1505A
Fort Bend County, Texas

Dear Mr. Ybarra:

This letter is submitted on behalf of the Blue Ridge Landfill TX, LP (Landfill) to respond to your April 29, 2016 approval for additional time to repair erosion. The erosion occurred due to heavy rainfall on April 17 and 18, 2016, as well as 1.65 inches of rain on April 24, 2016. I have attached photos of the repaired areas that were observed as having erosion as a result of the rain events.

This letter, along with the attached photographs, should be adequate documentation that the Blue Ridge Landfill continues to strive for compliance with the TCEQ regulations.

Please contact me at 713-676-7669 if you require additional information or have any questions regarding this documentation.

Sincerely,

Burgess Stengl
Environmental Manager

Attachment

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OCT 11 2016
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Blue Ridge LF North Slope



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Blue Ridge LF South Slope



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OCT 11 2016

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ATTACHMENT 4

[Questions or Comments >>](#)[Customer Search](#)[RE Search](#)[ID Search](#)[Document Search](#)[Search Results](#)[TCEQ Home](#)[Query Home](#)

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN102610102**Name:** BLUE RIDGE LANDFILL**Primary Business:** MUNICIPAL SOLID WASTE LANDFILL**Street Address:** 2200 FM 521 RD, FRESNO TX 77545 8214**County:** FORT BEND**Nearest City:** FRESNO**State:** TX**Near ZIP Code:** 77545**Physical Location:** LOCATED ON 2200 FM 521

Affiliated Customers - Current

Your Search Returned **5** Current Affiliation Records ([View Affiliation History](#))

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-5 of 5 Records

| CN Number ▲ | Customer Name | Customer Role(s) | Details |
|-------------|--|------------------|---------|
| CN600343826 | BFI WASTE SYSTEMS OF NORTH AMERICA INC | OWNER OPERATOR | ↔ |
| CN601527963 | BFI WASTE SERVICES OF TEXAS LP | OWNER | ↔ |
| CN601721657 | LONGHORN EXCAVATORS INC | OPERATOR | ↔ |
| CN602820599 | BLUE RIDGE LANDFILL TX LP | OWNER OPERATOR | ↔ |
| CN603713595 | GRISHAM & JHA GROUP LLC | OPERATOR | ↔ |

Industry Type Codes

| Code | Classification | Name |
|--------|----------------|--|
| 562212 | NAICS | Solid Waste Landfill |
| 1521 | SIC | General Contractors-Single-Family Houses |
| 1629 | SIC | Heavy Construction |
| 1794 | SIC | Excavation Work |
| 4953 | SIC | Refuse Systems |

Permits, Registrations, or Other Authorizations

There are a total of **21** programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-21 of 21 Records

| Program ▲ | ID Type | ID Number | ID Status |
|-----------|---------|-----------|-----------|
| | | | |

| | | | |
|-------------------------------------|----------------------------------|------------|-----------|
| AIR EMISSIONS INVENTORY | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR NEW SOURCE PERMITS | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR NEW SOURCE PERMITS | AFS NUM | 4815700111 | ACTIVE |
| AIR NEW SOURCE PERMITS | REGISTRATION | 32691 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 51882 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 55939 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 77271 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 77703 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 81004 | ACTIVE |
| AIR OPERATING PERMITS | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR OPERATING PERMITS | PERMIT | 1472 | ACTIVE |
| INDUSTRIAL AND HAZARDOUS WASTE | SOLID WASTE REGISTRATION # (SWR) | 89429 | ACTIVE |
| MUNICIPAL SOLID WASTE DISPOSAL | PERMIT | 1505 | INACTIVE |
| MUNICIPAL SOLID WASTE DISPOSAL | PERMIT | 1505A | ACTIVE |
| PETROLEUM STORAGE TANK REGISTRATION | REGISTRATION | 64950 | ACTIVE |
| PETROLEUM STORAGE TANK STAGE II | | | |
| STORMWATER | PERMIT | TXR05N415 | CANCELLED |
| STORMWATER | PERMIT | TXR05S302 | ACTIVE |
| STORMWATER | PERMIT | TXR15NZ96 | CANCELLED |
| STORMWATER | PERMIT | TXR15Q154 | EXPIRED |
| STORMWATER | PERMIT | TXR15RD60 | EXPIRED |

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[Statewide Links: Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

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ATTACHMENT 5

TEXAS COMMISSION
ON ENVIRONMENTAL QUALITY[Air Quality Maps](#)[Data Reports](#)[AutoGC](#)[Water Data](#)[Site Info](#)

Manvel Croix Park C84 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Manvel Croix Park C84. Although this is the most current data, it is not considered official until it has been certified by the technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server from 1:15 p.m. to 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time. During Daylight Savings, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Click on the Plot Data button once the tabular report has been generated to open a separate window containing data plots.

CAMS 84 Manvel Croix Park C84

Month: Day: Year: Time Format:

October 13 2016 12 Hour (AM/PM)

☒ Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Thursday, October 13, 2016**. All times shown are in CST.

| Parameter Measured | Morning | | | | | | | | | | | | Afternoon | | | | | | | | | | | | Parameter Measured | |
|---|---------|-------------|------|------------|----------|------|-------------|------|------|------|-------|-------|-----------|------------|-------------|------------|------------|-------------|------------|------------|------------|------|-------------|------------|--------------------------|--|
| | Mid | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | Noon | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | | |
| Nitric Oxide | 0.6 | 0.6 | 0.6 | 0.5 | 3.3 | 2.8 | 4.3 | 2.3 | 1.9 | PMA | PMA | PMA | CAL | CAL | CAL | CAL | 4.3 | 2.2 | 3.3 | 2.1 | 2.2 | 2.6 | 2.8 | 2.8 | Nitric Oxide | |
| Nitrogen Dioxide | 0.1 | -1.0 | 1.4 | 1.9 | 8.5 | 9.7 | 10.3 | 4.5 | 2.0 | PMA | PMA | PMA | CAL | CAL | CAL | CAL | 1.7 | 2.1 | 3.1 | 3.7 | 2.9 | 4.0 | 4.5 | 2.3 | Nitrogen Dioxide | |
| Oxides of Nitrogen | 0.7 | -0.4 | 2.0 | 2.4 | 11.7 | 12.3 | 14.4 | 6.8 | 3.9 | PMA | PMA | PMA | CAL | CAL | CAL | CAL | 5.8 | 4.0 | 6.1 | 5.5 | 4.9 | 6.3 | 7.0 | 4.9 | Oxides of Nitrogen | |
| Ozone | 13 | 15 | 11 | 9 | 3 | 4 | 4 | 17 | 27 | PMA | PMA | PMA | 38 | 40 | 41 | 41 | CAL | CAL | CAL | 30 | 24 | 18 | 17 | 14 | Ozone | |
| Wind Speed | 2.7 | 1.7 | 2.2 | 1.8 | 2.4 | 2.3 | 2.2 | 3.7 | 5.7 | 7.2 | 5.9 | 6.6 | 6.0 | 8.6 | 8.5 | 8.0 | 9.2 | 8.6 | 4.7 | 3.3 | 1.7 | 2.4 | 2.4 | 1.5 | Wind Speed | |
| Resultant Wind Speed | 2.6 | 1.6 | 1.9 | 1.6 | 2.3 | 2.3 | 2.1 | 3.6 | 5.5 | 6.8 | 5.3 | 6.0 | 5.6 | 8.1 | 8.0 | 7.6 | 9.0 | 8.5 | 4.6 | 3.3 | 1.1 | 2.1 | 2.4 | 1.1 | Resultant Wind Speed | |
| Resultant Wind Direction | 133 | 123 | 97 | 109 | 58 | 79 | 95 | 111 | 138 | 145 | 122 | 125 | 136 | 149 | 142 | 130 | 135 | 144 | 137 | 126 | 57 | 116 | 126 | 331 | Resultant Wind Direction | |
| Maximum Wind Gust | 5.0 | 4.3 | 3.6 | 3.7 | 3.7 | 4.1 | 5.1 | 6.7 | 10.7 | 12.4 | 10.6 | 12.0 | 12.8 | 15.4 | 15.8 | 13.9 | 15.1 | 16.2 | 10.6 | 6.1 | 3.3 | 4.7 | 4.2 | 2.4 | Maximum Wind Gust | |
| Std. Dev. Wind Direction | 18 | 20 | 26 | 26 | 16 | 11 | 13 | 14 | 15 | 18 | 26 | 24 | 21 | 21 | 21 | 18 | 14 | 11 | 12 | 13 | 48 | 29 | 9 | 39 | Std. Dev. Wind Direction | |
| Outdoor Temperature | 73.9 | 73.6 | 73.7 | 73.3 | 73.1 | 72.9 | 73.0 | 75.9 | 80.2 | 82.7 | 84.2 | 85.5 | 85.5 | 86.3 | 86.6 | 85.4 | 84.2 | 80.4 | 77.2 | 75.2 | 74.5 | 73.8 | 72.5 | 72.5 | Outdoor Temperature | |
| Parameter Measured | Mid | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | Noon | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | Parameter Measured | |
| Morning | | | | | | | | | | | | | Afternoon | | | | | | | | | | | | | |
| Maximum values for each parameter are bold within the table. Minimum values are bold italic . | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R - Data from this instrument meets EPA quality assurance criteria for regulatory purposes. | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in local standard time unless otherwise indicated.

Following EPA reporting guidelines, negative values may be displayed in our hourly criteria air quality data beginning 1/1/2013, down to the negative of the EPA listed Method Detection Limit (MDL) for the particular instrument that made the measurements. The reported concentrations can be negative due to zero drift in the electronic instrument output, data logger channel, or calibration adjustments to the data. Prior to 1/1/2013, slightly negative values were automatically set to zero.

McHard Rd

Blue Ridge Landfill, Permit No. 1505 A

Shadow Creek Pkwy

Trinity Way Dr

OS 2

Kingsley Dr

OS 1

WBRoadway St 48

22

11800 block of Sea Shadow Drive

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 10-13-16 Start Time: 1:57 pm

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min | no odor |
| 2 | " " |
| 3 | " " |
| 4 | " " |
| 5 | " " |
| 6 | " " |
| 7 | " " |
| 8 | " " |
| 9 | " " |
| 10 | " " |
| 11 | " " |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 31 min | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |
| 41 | |
| 42 | |
| 43 | |
| 44 | |
| 45 | |
| 46 | |
| 47 | |
| 48 | |
| 49 | |
| 50 | |
| 51 | |
| 52 | |
| 53 | |
| 54 | |
| 55 | |
| 56 | |
| 57 | no odor |
| 58 | " " |
| 59 | " " |
| 60 | " " |

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

| | VS | S | M | L | VL | No Odor |
|--------|----|---|---|---|----|---------|
| 1 Min | | | | | | |
| 10 Min | | | | | | |
| 1 Hour | | | | | | |

12900 block of Meadow
Spring
Drive

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 10-13-16 Start Time: 2:21

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | no odor |
| 22 | " " |
| 23 | " " |
| 24 | " " |
| 25 | " " |
| 26 | " " |
| 27 | " " |
| 28 | " " |
| 29 | " " |
| 30 | " " |

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 31 min | " " |
| 32 | " " |
| 33 | " " |
| 34 | " " |
| 35 | " " |
| 36 | |
| 37 | |
| 38 | |
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| 56 | |
| 57 | |
| 58 | |
| 59 | |
| 60 | |

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

| | VS | S | M | L | VL | No Odor |
|--------|----|---|---|---|----|---------|
| 1 Min | | | | | | |
| 10 Min | | | | | | |
| 1 Hour | | | | | | |

ATTACHMENT 6

MSW

COVER APPLICATION LOG

| Daily Cover | Approved Alternate Daily Cover | Elevation | Inspection Date of Daily Cover | Erosion of Step | Date of Erosion or Leadline | Corrective Action | Soil Stockpile Required (yds) | Rain (inches) | Rain (inches) ≥ 0.5" | Intermediate Cover | Final Cover | Inspection Date of Intermediate & Final Cover | Erosion of Step | Date of Erosion or Leadline | Corrective Action | Final Cover Configuration Report Reference | Supervisor Signature |
|-------------|--------------------------------|-----------|--------------------------------|-----------------|-----------------------------|-------------------|-------------------------------|---------------|----------------------|--------------------|------------------------|---|-----------------|-----------------------------|-------------------|--|----------------------|
| 6" Soil | Spray-On or Tarps | MSL | 11/10/16 | 11/10/16 | 11/10/16 | | | | | 12" Soil | Per Final Closure Plan | 11/10/16 | 11/10/16 | | | | |
| 1 500 | 6" B | 40-44 | ✓ | | | | | | | 1000 FF-5J | 12" B | 9-1-16 | | | | | CHA |
| 2 500 | 6" B | 44-48 | ✓ | | | | | | | 750 FF-5J | 12" B | | | | | | CHA |
| 3 750 | 6" B | 48-52 | ✓ | | | | | | | 750 FF-5J | 12" B | | | | | | CHA |
| 4 | | | | | | | | | | | | | | | | | |
| 5 150 | 6" B | 50-54 | ✓ | | | | | | | | | | | | | | CHA |
| 6 750 | 6" B | 40-44 | ✓ | | | | | | | | | 9-6-16 | | | | | CHA |
| 7 750 | 6" B | 44-48 | ✓ | | | | | | | 500 FF-5J | 12" B | | | | | | CHA |
| 8 750 | 6" B | 48-52 | ✓ | | | | | | | 500 FF-5J | 12" B | | | | | | CHA |
| 9 750 | 6" B | 40-44 | ✓ | | | | | | | | | 9-10-16 | | | | | CHA |
| 10 750 | 6" B | 44-48 | ✓ | | | | | | | | | | | | | | CHA |
| 11 | | | | | | | | | | | | | | | | | |
| 12 500 | 6" B | 40-44 | ✓ | | | | | | | | | | | | | | CHA |
| 13 500 | 6" B | 44-48 | ✓ | | | | | | | | | | | | | | CHA |
| 14 750 | 6" B | 48-52 | ✓ | | | | | | | | | 9-14-16 | | | | | CHA |
| 15 750 | 6" B | 50-54 | ✓ | | | | | | | | | | | | | | CHA |
| 16 750 | 6" B | 54-58 | ✓ | | | | | | | | | | | | | | CHA |
| 17 500 | 6" B | 40-44 | ✓ | | | | | | | | | | | | | | CHA |
| 18 500 | 6" B | 44-48 | ✓ | | | | | | | | | | | | | | CHA |
| 19 500 | 6" B | 48-52 | ✓ | | | | | | | | | | | | | | CHA |
| 20 500 | 6" B | 50-54 | ✓ | | | | | | | | | | | | | | CHA |
| 21 500 | 6" B | 54-58 | ✓ | | | | | | | | | | | | | | CHA |
| 22 500 | 6" B | 40-44 | ✓ | | | | | | | | | | | | | | CHA |
| 23 500 | 6" B | 44-48 | ✓ | | | | | | | | | | | | | | CHA |
| 24 500 | 6" B | 48-52 | ✓ | | | | | | | | | | | | | | CHA |
| 25 | | | | | | | | | | | | | | | | | |
| 26 500 | 6" B | 40-44 | ✓ | | | | | | | | | | | | | | CHA |
| 27 500 | 6" B | 44-48 | ✓ | | | | | | | | | | | | | | CHA |
| 28 500 | 6" B | 48-52 | ✓ | | | | | | | | | | | | | | CHA |
| 29 500 | 6" B | 50-54 | ✓ | | | | | | | | | | | | | | CHA |
| 30 500 | 6" B | 40-44 | ✓ | | | | | | | | | | | | | | CHA |

T = Thickness in inches
 Methods: A = Tarp Machine, B = Soil by Heavy Equipment, S = Spray-On
 Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event of 0.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.18. Additional documentation area on back of form
 Erosion of daily cover must be corrected within 24 hours after the area is accessible. Erosion of intermediate or final cover must be corrected within 5 days of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation stating reasons for delay.
 Corrective Action: R = Restoring cover material; G = Grading; M = Compacting; S = Seeding
 SOP Section 7.74 requires a soil stockpile to be maintained within 1,000 ft of the working face. The amount of soil required is dependent upon the maximum anticipated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area
 Signature certifies work accomplished as stated in the Cover Application Log

Third party sharing, these 3 sharing sept 2016

Third party sharing, these 3 sharing sept 2016

Third party sharing, these 3 sharing sept 2016

MSU

COVER APPLICATION LOG

| Daily Cover | | Approved Alternate Daily Cover | | | | Elevation | Inspection | Erosion or | Date | Corrective | Soil | Rain | Rain | Intermediate Cover | | | | Final Cover | | | | Inspection | Erosion | Date Erosion | Corrective | Final Cover | Supervisor Signature | | | | | | | | | |
|-------------|---------|--------------------------------|----|---|------------------|-----------|---------------------|------------------------|-------------------------|---------------------|--|-----------------|-----------------|--------------------|-----------|---|--------|-------------|-----------|---|--------|------------|-----------|--------------|------------|---|----------------------|-----------|--------|-----------|--|--|--|--|--|--|
| | 6" Soil | | | | Spray-On or Taps | MSL | Date of Daily Cover | Leachate Seep Detected | Leachate Seep Corrected | Action ¹ | Stockpile Required ² (yd ³) | (inches) 2.0-5" | (inches) 5.0-6" | | Grid Area | T | Method | AMT | Grid Area | T | Method | AMT | Grid Area | T | Method | Date of Intermediate & Final Cover ³ | Detected | Corrected | Action | Reference | | | | | | |
| 1 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 42-48 | 6" | B | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 500 | 42-48 | 6" | B | - | - | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area

10-10-16

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T = Thickness in inches

Methods: A = Tarp Machine, B = Soil by Heavy Equipment, S = Spray-On
 Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event 3/10.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.18. Additional documentation area on back of form
 Erosion of daily cover must be corrected within 24 hours after the area is accessible. Erosion of intermediate or final cover must be corrected within 5 days of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation stating reasons for delay.
 Corrective Action: R = Restoring cover material, G = Grading, M = Compacting, S = Seeding
 SOP Section 7.74 requires a soil stockpile to be maintained within 1,000 ft of the working face. The amount of soil required is dependent upon the maximum allocated size of the working face. A 50 yd³ soil stockpile is required within 1,000 ft of the Regulated Asbestos-Containing Material (RACM) disposal area.
 Signature certifies work accomplished as stated in the Cover Application Log.

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