

File Copy

1505A

Investigation # 1344778

MSW PA_1505A_CO_201711_Investigation Report
Texas Commission on Environmental Quality
Investigation Report

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INFORMATION COPY
FOR R12 FILE ROOM

Customer: Blue Ridge Landfill TX, LP
Customer Number: CN602820599

Regulated Entity Name: BLUE RIDGE LANDFILL

Regulated Entity Number: RN102610102

Investigation # 1344778

Incident Numbers

236387 236750
236641 236752
236643

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/11/2016 -- 10/28/2016

NAIC Code: 562212

SIC Code: 4953

SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,
FRESNO, TX , 77545

Local Unit: REGION 12 - HOUSTON

Activity Type(s): MSWCMP - Investigation of MSW
complaint
MSWCSE - On-site followup
investigation

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
PARTICIPATED IN	LANDFILL OPERATIONS MANAGER	MR MATT MONTAGNA	Work (713) 676-7664
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
PARTICIPATED IN	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669

Other Staff Member(s):

Role	Name
QA Reviewer	CARLOS GRIGGS
Supervisor	ALMA JEFFERSON
Investigator	CARLOS GRIGGS

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
MSW COMPLAINT INVESTIGATION	1505A

Investigation Comments:**INTRODUCTION**

On June 27, 29 and 30, and July 1, 2016, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received five complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545.

On July 11, 2016, Mr. Richard Blackney and Mr. Carlos Griggs, Environmental Investigators of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, 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 June 22, 2016, the TCEQ Houston Region Office received a letter from Mr. Burgess Stengl, Environmental Manager for BRL, which included photographs showing repair of cover. The photographs were taken on June 17 and 20, 2016.

On June 29, 2016, the TCEQ Houston Region Office received more photographs by electronic mail (email) from Mr. Stengl that showed repair of cover. The photographs were taken on June 21, 2016.

On June 30, 2016, the TCEQ Houston Region Office received a letter from Mr. Stengl requesting additional time to repair further erosion caused by rain on June 27 and 28, 2016. The letters and email from Mr. Stengl are included in Attachment 1.

GENERAL FACILITY AND PROCESS INFORMATION

BRL's authorization numbers from the TCEQ Central Registry database are included in Attachment 2. 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. 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. 236387, 236641, 236643, 236750 and 236752).

Description of Alleged Effects:

No health effects were alleged.

Meteorological data at the time of the odor survey:

Wind direction: S

Wind Speed: 12.3 mph

Temperature: 90.5°F

Meteorological data taken from TCEQ's continuous air monitoring stations (Attachment 3).

Odor Survey:

The investigators arrived at the first survey point located at the intersection of Chimney Rock Road and Quail Village Drive in Houston. Odor Survey (OS) no. 1 took place crosswind of BRL and was conducted at 9:53 a.m. No landfill odors were detected during the 15 minutes spent at OS site no. 1.

The investigators went to OS site no. 2 located at the 4600 block of Ripple Ridge Drive in Houston. OS No. 2 took place downwind of BRL and was conducted at 10:12 a.m. No landfill odors were detected during the 15 minutes spent at OS site no. 2.

The investigators then went to OS Site no. 3 located at the 16600 block of Sidonie Drive in Houston. OS No. 3 took place downwind of BRL and was conducted at 10:29 a.m. Odors typical of landfill garbage were detected intermittently during the 20 minutes spent at OS Site no. 3, averaging to Very Light.

Aerial view maps of the OS locations and the OS logs are included in Attachment 3.

Summary of on-site investigation:

Following the odor survey, the investigators arrived at BRL, and met with Mr. Matt Montagna, Landfill Operations Manager, and Mr. Stengl, to whom the purpose and scope of the investigation was 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 investigators viewed the MSW and Class 1 working faces, by which piles of soil were observed. The investigators obtained copies of the cover logs for June and July 2016 (Attachment 4). No issues were noted with the cover logs.

On the slopes of the landfill, the investigators observed that soil had been laid as part of BRL's effort to address all areas of erosion. New vegetation was observed to be growing on the soil, indicating that it had been seeded. 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 investigators viewed the misting system in operation.

According to the facility representatives, leachate collected from within the landfill is no longer being piped to the City of Pearland's wastewater treatment plant. Instead, it is being transported off-site by Intergulf Corporation. The investigators viewed a truck from Intergulf Corporation near the leachate storage tanks.

Description of Odor:

Odors typical of landfill garbage were detected during the odor survey.

Description of the Effects on the Investigators:

No health effects were experienced by the investigators.

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 detected today and previously during an investigation conducted on April 25, 2016 (Investigation No. 1329398), the frequency of odors documented by the Waste

Section investigators is a "quarterly occurrence".

Physical Effects Experienced by the Investigators which are Indicative of Adverse Effects upon Health:
The investigators 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 June 22 and 29, 2016 the TCEQ Houston Region Office received documentation from Blue Ridge Landfill which included photographs showing repair of cover.

On June 30, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair further erosion caused by recent rains.

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.

Recommended Corrective Action: On June 22 and 29, 2016 the TCEQ Houston Region Office received documentation from Blue Ridge Landfill which included photographs showing repair of cover.

On June 30, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair further erosion caused by recent rains.

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 Bladon
Environmental Investigator

Date

11/03/16

Signed

Alma L. Jefferson
Supervisor

Date

11/03/2016

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type): additional

☐ Investigation Report

compliance request

☐ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☐ Photographs

☒ Correspondence from the facility

☒ Other (specify):

see list of attachments

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

November 3, 2016

CERTIFIED MAIL #7013 3020 0000 9763 2373
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 July 11, 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 July 11, 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 June 22 and 29, 2016 the TCEQ Houston Region Office received documentation from Blue Ridge Landfill which included photographs showing repair of cover.

On June 30, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill requesting additional time to repair further erosion caused by recent rains.

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 Landfill TX LP Date of Letter: 11-3-16Regarding: Other

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) Michael Med B. Date of Delivery 11/9/16C. Signature [Signature] ☒ Agent ☐ AddresseeD. Is delivery address below: ☒ Yes ☐ No

If YES, enter delivery address below:

RECEIVED

NOV 14 2016

REGION 12

MR. BURGESS STENGL
ENVIRONMENTAL MANAGER
BLUE RIDGE LANDFILL TX, LP
P.O. BOX 879
FRESNO, TX 775453. Service Type ☒ Certified Mail ☐ Express Mail☐ Registered ☐ Return Receipt for Merchandise☐ Insured Mail ☐ C.O.D.4. Restricted Delivery? (Extra Fee) ☐ Yes ☐ No2. Article 7013 3020 0000 9763 2373

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

7013 3020 0000 9763 2373

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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OFFICIAL USE

Postage

\$ R Blacking

Certified Fee

11.3.16Return Receipt Fee
(Endorsement Required)1505ARestricted Delivery Fee
(Endorsement Required)Other

Total Postage

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

Sent To

Street, Apt. No.
or PO Box No.
City, State, ZiPostmark
Here

PS Form 3800, August 2006

See Reverse for Instructions



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:

ATTACHMENT 1



June 21, 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
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 May 31, 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 March 14, 2016. I have attached four photos of the areas that Mr. Blackney observed having erosion of more than four inches in depth (Attachments).

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Burgess Stengl". The signature is written in a cursive, flowing style.

Burgess Stengl
Environmental Manager

Attachments

RECEIVED
JUN 22 2016
REGION 12

Attachment

Picture date
↓



6/20/16



6/17/16

Picture date
↓



6/20/16



6/20/16



Richard Blackney

From: Stengl, Burgess <[REDACTED]>
Sent: Wednesday, June 29, 2016 7:28 AM
To: Richard Blackney
Cc: Montagna, Matthew
Subject: Blue Ridge Erosion on Phase 3
Attachments: XX Repair - 6-21-16.jpg; XX Repair 2 - 6-21-16.jpg; XX Repair 3 - 6-21-16.jpg

Richard, I will be sending a formal letter with pictures to TCEQ Region 12 after the next erosion letter arrives, but wanted to send you these pictures showing the repairs made on Phase 3 near marker XX. These were taken on June 21, 2016.

Please let me know if you have any questions.

Thank you,

Burgess Stengl
Environmental Manager

5757A Oates Road, Houston, TX 77078
e [REDACTED]
o 713-676-7669 c 713-851-0506
f 713-676-7882 w www.RepublicServices.com



We'll handle it from here."

[REDACTED]







June 29, 2016

Mr. Jason Ybarra
Texas Commission on Environmental Quality (TCEQ)
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 on June 27 and 28, 2016. During that period of time, 1.75 inches of rain fell on the 27th, followed approximately 5.0 inches on the 28th. 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,



Burgess Stengl
Environmental Manager

Cc: Matt Montagna, Blue Ridge Landfill

RECEIVED

JUN 30 2016

REGION 12

ATTACHMENT 2

[Questions or Comments >>](#)[Query Home](#)[Customer Search](#)[RE Search](#)[ID Search](#)[Document Search](#)[TCEQ 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	TXR15QJ54	EXPIRED
STORMWATER	PERMIT	TXR15RD60	EXPIRED

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ATTACHMENT 3


**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 [Select a different site](#)

Month: Day: Year: Time Format:

July 11 2016 12 Hour (AM/PM) [Generate Report](#) [Plot Data](#)

☒ 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 **Monday, July 11, 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	0.4	0.3	0.3	0.5	1.8	<u>7.4</u>	1.7	-0.4	0.2	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	0.2	1.1	0.6	-0.0	-0.4	0.2	-0.6	-0.7	-1.0	Nitric Oxide		
Nitrogen Dioxide	-2.1	-1.9	-1.5	-0.5	0.4	3.3	<u>4.0</u>	0.0	-2.0	-2.1	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	-1.0	-1.0	-0.5	-0.8	0.1	0.9	0.2	-0.2	-0.5	Nitrogen Dioxide		
Oxides of Nitrogen	-1.4	-1.5	-1.1	-0.1	0.9	5.0	<u>11.2</u>	1.8	-2.3	-1.8	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	<u>SPN</u>	-0.7	0.1	0.1	-0.8	-0.3	1.0	-0.4	-0.8	-1.4	Oxides of Nitrogen		
Ozone	11	11	11	9	8	4	3	11	16	17	18	20	22	22	19	17	20	16	15	13	9	9	9	8	Ozone		
Wind Speed	6.8	6.2	6.5	5.9	6.3	3.9	<u>3.7</u>	8.1	12.4	13.9	12.7	11.9	13.3	<u>15.7</u>	15.0	15.6	14.5	13.0	11.0	8.4	5.0	5.8	6.0	4.1	Wind Speed		
Resultant Wind Speed	6.6	6.2	6.4	5.8	6.2	3.8	3.6	7.8	12.0	13.5	12.3	11.5	12.9	<u>15.2</u>	14.6	15.2	14.1	12.7	10.8	8.3	4.9	5.8	5.9	4.1	Resultant Wind Speed		
Resultant Wind Direction	170	161	163	168	173	162	145	174	186	181	186	186	169	163	173	161	166	161	166	159	152	160	159	157	Resultant Wind Direction		
Maximum Wind Gust	12.2	10.7	10.3	10.3	10.7	6.5	7.2	15.7	21.8	23.1	21.7	25.4	22.4	30.3	25.1	26.9	24.0	22.8	19.8	14.1	9.7	9.1	9.6	9.1	Maximum Wind Gust		
Std. Dev. Wind Direction	10	9	9	11	10	14	13	14	14	13	13	15	15	14	14	13	12	12	11	9	12	9	8	10	Std. Dev. Wind Direction		
Outdoor Temperature	80.2	80.0	79.9	79.6	79.4	78.7	79.1	83.3	86.7	88.5	90.5	92.0	92.4	91.9	91.5	90.3	89.6	88.2	86.1	83.4	81.3	80.3	79.7	79.1	Outdoor Temperature		
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			
x,xx Indicates the data has been validated.																											
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.

Quail Village + Chimney Rock

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 7-11 Start Time: 9:53

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	
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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	no odor
54	" "
55	" "
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						

100 block of Ripple Ridge

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 7-11-16 Start Time: 10:12

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	no odor
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	
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51	
52	
53	
54	
55	
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						

1660 block of Midorie

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 7-11-16 Start Time: 10:29

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	
22	
23	
24	
25	
26	
27	
28	
29	VL
30	no odor

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

Hard-Rd

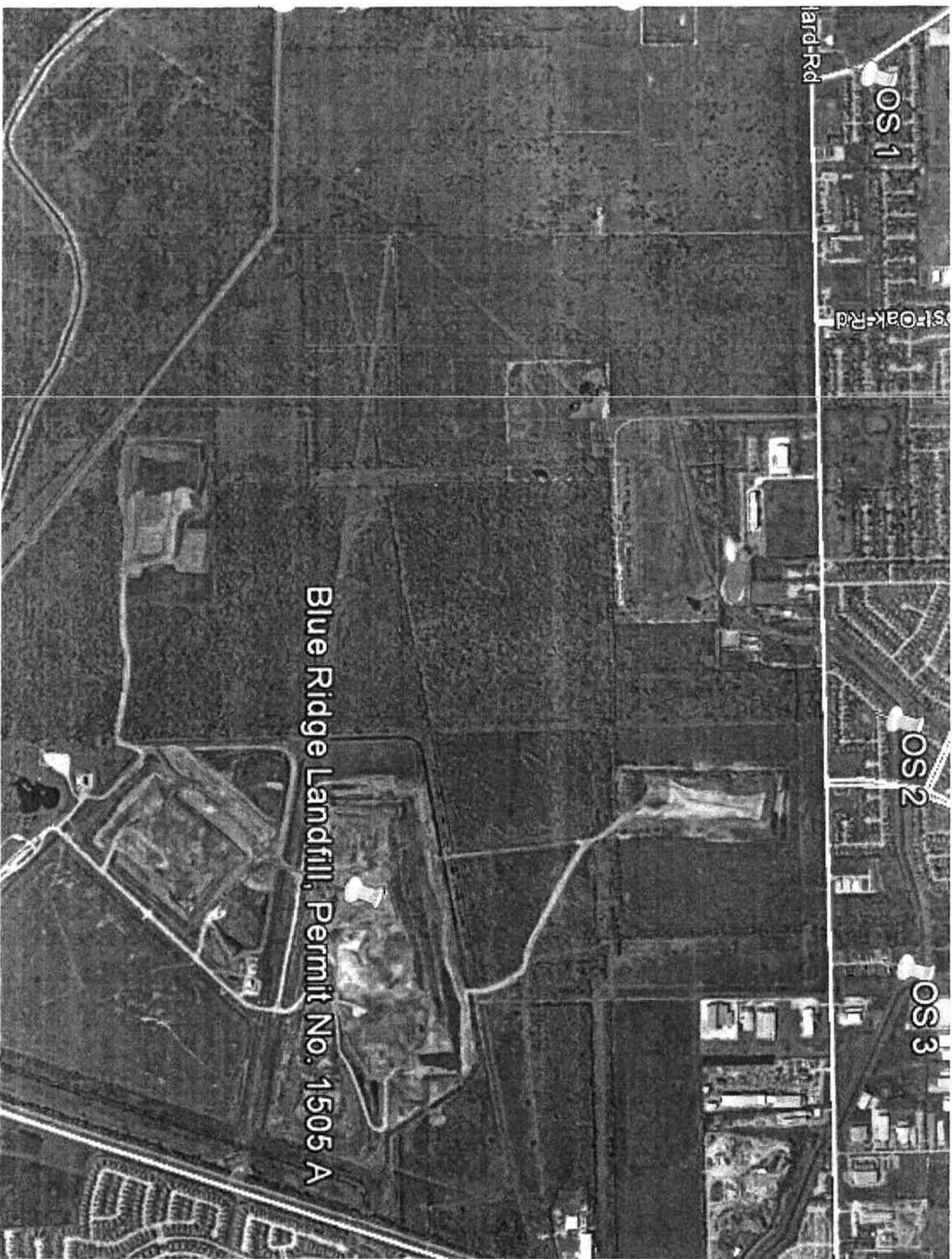
OS 1

St Oak-Rd

OS 2

OS 3

Blue Ridge Landfill, Permit No. 1505 A



ATTACHMENT 4

MSW

COVER APPLICATION LOG

Daily Cover													Approved Alternate Daily Cover			Elevation		Inspection Date of Daily Cover ¹		Erosion or Leachate Seep Detected		Date Erosion or Leachate Seep Corrected ²		Corrective Action ³		Soil Stockpile Required ⁴ (yd ³)		Rain (inches) ≥ 0.5"		Rain (inches) < 0.5"		Intermediate Cover				Final Cover				Inspection Date of Intermediate & Final Cover ⁵		Erosion or Leachate Seep Detected		Date Erosion Corrected ⁶		Corrective Action ⁷		Final Cover Certification Report Reference		Supervisor Signature ⁸																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
6" Soil													Spray-On or Tarps			MSL																12" Soil		Per Final Design Plan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
AMT ¹	Grid Area	T ¹	Method ¹	AMT ¹	Grid Area	T ¹	Method ¹	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL	MSL

T = Thickness in inches
Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area

Methods: A = Tarp Machine, B = Soil by Heavy Equipment, S = Spray-on
Inspected 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. Inspected 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 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area
Signature certifies work accomplished as stated in the Cover Application Log.

1	
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12	
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14	Erosion detected on South slope and North slope @ X = PB, will begin adding dirt on 6/15/14
15	Working on erosion reels on South slope
16	Correcting erosion along side ramp to working face
17	
18	
19	
20	
21	Fixed erosion reel on East slope Phase II @ XX
22	
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30	Connected erosion reel along the ramp to working face
31	

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