Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Stephanie Bergeron Perdue, Interim Executive Director



#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 19, 2018

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

Re:

Investigation Request at:

Blue Ridge Landfill, 2200 FM 521 Rd, Fresno (Fort Bend County), TX 77545-8214

TCEQ MSW Permit No.: 1505A Investigation No.: 1499327

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on June 22, 25, and 27, 2018 requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Reyna L. Loosmore of this office conducted an investigation on June 28, 2018. No violations are being alleged as a result of the investigation.

For more information about our complaint process, you may access the publication GI-278: *Do You Want to Make an Environmental Complaint? Do You Have Information or Evidence?* on our website at <a href="https://www.tceq.texas.gov">www.tceq.texas.gov</a>.

We appreciate your assistance in this matter and your interest in protecting the quality of our environment. If you have any questions concerning these findings, or if we can be of further assistance, please contact Ms. Loosmore at this office (713) 767-3706.

Sincerely,

Alma L. Jefferson, Team Leader

Alma L. Jefferson

Waste Section

Houston Region Office

ALJ/RLL/rsv

#### MSW PA\_1505A\_CP\_20180628\_Investigation

#### Texas Commission on Environmental Quality Investigation Report

The TCEQ is committed to accessibility. If you need assistance in accessing this document, please contact oce@tceq.texas.gov

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

Regulated Entity Name: BLUE RIDGE LANDFILL
Regulated Entity Number: RN102610102

Investigation # 1499327

**Incident Numbers** 

287184

287351

287185

Investigator:

REYNA LOOSMORE

Site Classification TYPE 1

**NAIC Code:** 562212 **NAIC Code:** 486210

SIC Code: 4922 SIC Code: 4953

SIC Code: 1521

Program(s):

MUNICIPAL SOLID WASTE DISPOSAL

**Investigation Type:** Compliance Investigation

**Conducted:** 06/28/2018 -- 07/16/2018

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,

Local Unit: REGION 12 - HOUSTON

FRESNO, TX, 77545

Activity Type(s): MSWCMPL - Investigation of MSW

complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

#### Contact(s):

Role	Title	Name	Phone	(0)0
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone	(281) 835-6142
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MS AMY KUBINSKI	Phone	(281) 835-6142
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
PARTICIPATED IN	DIVISION MANAGER	MR MARK MEADOWS	Phone	(281) 668-9739

#### **BLUE RIDGE LANDFILL - FRESNO**

6/28/2018 to 7/16/2018 Inv. # - 1499327

Page 2 of 4

#### Other Staff Member(s):

Role

Name

QA Reviewer Supervisor BETHANY BATCHELOR ALMA JEFFERSON

#### **Associated Check List**

Checklist Name

**Unit Name** 

MSW COMPLAINT INVESTIGATION

1505A Complaint

#### **Investigation Comments:**

#### INTRODUCTION

On June 22, 25, and 27, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received three (3) 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 June 21, 22, and 27, 2018.

On June 28, 2018, Ms. Reyna L. Loosmore, Environmental Investigator of the TCEQ Houston Region Office, conducted an odor survey and an unannounced on-site Odor Complaint Investigation at BRL.

#### BACKGROUND

A Notice of Enforcement was issued to BRL on October 21, 2016 for failure to prevent nuisance odor conditions. On July 12, 2017, Agreed Order Docket No. 2016-1923-AIR-E was signed by the TCEQ. By letter dated April 10, 2018, the TCEQ Enforcement Division approved BRL Odor Control Plan thus requiring BRL to implement all provisions of the plan in accordance with the approved schedule.

#### GENERAL FACILITY AND PROCESS INFORMATION

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 dispose of MSW including household solid waste, commercial solid waste, construction and demolition waste, and yard waste; Class 1, Class 2, and Class 3 non-hazardous industrial solid waste; and certain special wastes. Liquid waste will be accepted at the Liquid Waste Bulking Facility for stabilization and subsequent disposal. BRL may not accept regulated hazardous waste, prohibited polychlorinated biphenyls, or untreated medical waste.

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

Complainant Information:

See confidential files (TCEQ Incident Nos. 287184, 287185, and 287351).

Description of Alleged Effects:

Nausea and discomfort were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: June 28, 2018

Wind Direction: south (S) to south-southwest (SSW)

Wind Speed: average 6 mph

Outdoor Temperature: average 86 °F

#### BLUE RIDGE LANDFILL - FRESNO

6/28/2018 to 7/16/2018 Inv. # - 1499327

#### Page 3 of 4

Meteorological data taken from TCEQ's continuous air monitoring station Manvel Croix Park C84 weather station (Attachment 1).

Odor Survey (OS):

The investigator arrived at the first OS point located at the 1900 block of Cayman Bend Lane in Pearland and downwind of BRL. OS No. 1 was conducted at 7:54 a.m. No odors were detected during the 15 minutes spent at OS No. 1.

OS No. 2, located at the intersection of Mystic Cove Lane and Meadow Springs Drive in Pearland and downwind of the Sewer Lift Station, was conducted at 8:22 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3, located at the intersection of Hinsdale Springs Lane and Estes Brook Lane in Houston and downwind of Lonestar Landfill, was conducted at 8:57 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

OS No. 4, located near the intersection of FM 521 and Southbelt Industrial Drive in Pearland and downwind of BRL and Akzo Nobel Surface Chemistry (Akzo), was conducted at 9:25 a.m. Trash/garbage odors were intermittently detected during three (3) of the 30 minutes spent at OS No. 4, averaging to a very light intensity.

OS No. 5, located near the intersection of Kirby Drive and N Spectrum Boulevard in Pearland and downwind of Brenntag Southwest/Syntech Chemicals, was conducted at 10:14 a.m. No odors were detected during the 15 minutes spent at OS No. 5.

OS No. 6, located at the 1100 block of Fruge Road in Pearland and downwind of the Reflection Bay Wastewater Treatment Plant (WWTP), was conducted at 10:35 a.m. No odors were detected during the 15 minutes spent at OS No. 6.

An aerial view map of the OS locations and the OS logs are included in Attachment 1.

Summary of the on-site investigation:

Following the odor survey, the investigator arrived at BRL and met with Mr. Mark Meadows, Division Manager; Mr. Chance Seely, Environmental Specialist, and Ms. Amy Kubinski, Environmental Specialist, to whom the purpose and scope of the investigation were explained.

BRL receives MSW in the MSW cell of the landfill from Monday through Saturday. Six inches of soil is applied at the end of each operating day. The facility representatives drove the investigator to the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained a copy of the MSW and Class 1 cover logs for June 2018 (Attachment 2). The cover logs indicated that soil is applied to the working faces as required.

Description of Odor:

Trash/garbage odors were 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:

According to the odor surveys, the investigator detected odors from the direction of Blue Ridge Landfill.

#### **BLUE RIDGE LANDFILL - FRESNO**

6/28/2018 to 7/16/2018 Inv. # - 1499327

Page 4 of 4

Odor Frequency, Intensity, Duration and Offensiveness (FIDO) Chart Evaluation:

According to the FIDO protocol, the odor of trash/garbage is characterized as "offensive" and the odor of landfill gas/leachate as "highly offensive". Landfill garbage and/or gas/leachate odors were previously detected coming from the direction of BRL on April 12 and 25, May 9, 15, 16, and 17, 2018. Therefore, the frequency of odors documented by the investigator is a monthly occurrence.

#### CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on June 28, 2018. The complaints are closed.

No Violations Associated to this Investigation

Signed Environmental Investigator	Date 7/19/18
Signed Alma L. Jefferson Supervisor	Date 07/19/2018
Attachments: (in order of final report subm	ittal)
Enforcement Action Request (EAR)	Maps, Plans, Sketches
Letter to Facility (specify type) : White City	Photographs
Investigation Report	Correspondence from the facility
Sample Analysis Results	Other (specify):
Manifests	See lust of Attachments
Notice of Registration	

#### Blue Ridge Landfill 2200 F.M. 521, Fresno (Fort Bend County), TX 77545 Municipal Solid Waste Permit No. 1505A MSW Complaint Investigation Conducted on June 28, 2018

#### List of Attachments

Attachment 1

Meteorological Information, Map of Odor Survey location and Odor Log

Attachment 2

June 2018 Cover Logs

### ATTACHMENT 1

Air Quality Maps

Data Reports

AutoGC

Water Data

Site Info

# <u>Manvel Croix Park C84</u> 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.

Find Site:	CAMS AQS Description		
CAMS 84 Manvel Croix Pa	ark C84	▼	Select a different site
Month: Day: Year: T	ime Format:		
June ▼ 28 ▼ 2018 ▼ 1	2 Hour (AM/PM) ▼ Generate Report Plot Data		
☑ Green underline for vali	idated data		

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Thursday**, **June 28**, **2018**. All times shown are in CST.

Parameter						Мо	rning	1										Afte	rnoo
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
Nitric Oxide	-0.3	-0.3	-0.2	1.0	5.8	11.4	8.9	1.5	0.3	-0.2	-0.1	-0.0	-0.1	-0.1	PMA	0.3	-0.1	-0.1	0.0
Nitrogen Dioxide	2.0	2.5	2.7	5.6	7.9	<u>8.7</u>	7.3	3.3	1.3	0.4	0.4	0.9	0.6	0.5	РМА	2.1	0.7	0.9	1.1
Oxides of Nitrogen	1.7	2.2	2.5	6.6	13.5	19.7	16.0	4.7	1.6	0.2	0.3	0.8	0.5	0.4	РМА	2.4	0.6	0.8	1.1
Ozone	5	4	4	1	o	0	2	11	16	18	20	20	23	21	РМА	19	18	19	16
Wind Speed	2.2	2.9	2.6	1.1	1.4	1.5	2.1	6.3	6.6	6.7	5.7	6.0	7.8	7.7	8.1	6.5	9.8	10.3	10.2
Resultant Wind Speed	2.2	2.9	2.6	0.9	1.3	1.5	1.9	6.1	6.3	6.2	5.1	5.5	7.3	7.1	7.5	6.0	9.3	9.9	10.0
Resultant Wind Direction	169	164	160	153	124	100	144	ું 186	\$ 189	203	209	180	186	186	122	135	174	179	171
Maximum Wind Gust	4.5	4.8	4.3	2.4	2.7	2.5	6.0	13.4	12.6	15.2	11.8	14.7	15.8	14.4	16.0	12.8	19.1	17.7	17.7
Std. Dev. Wind Direction	9	8	12	28	24	12	22	16	17	22	26	24	21	23	21	21	18	14	13
<u>Outdoor</u> Temperature	76.8	76.4	76.2	76.0	76.3	76.9	79.0	82.6	85.1	86.9	88.3	87.7	89.8	89.9	86.9	87.0	89.0	88.1	86.3
Parameter	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		
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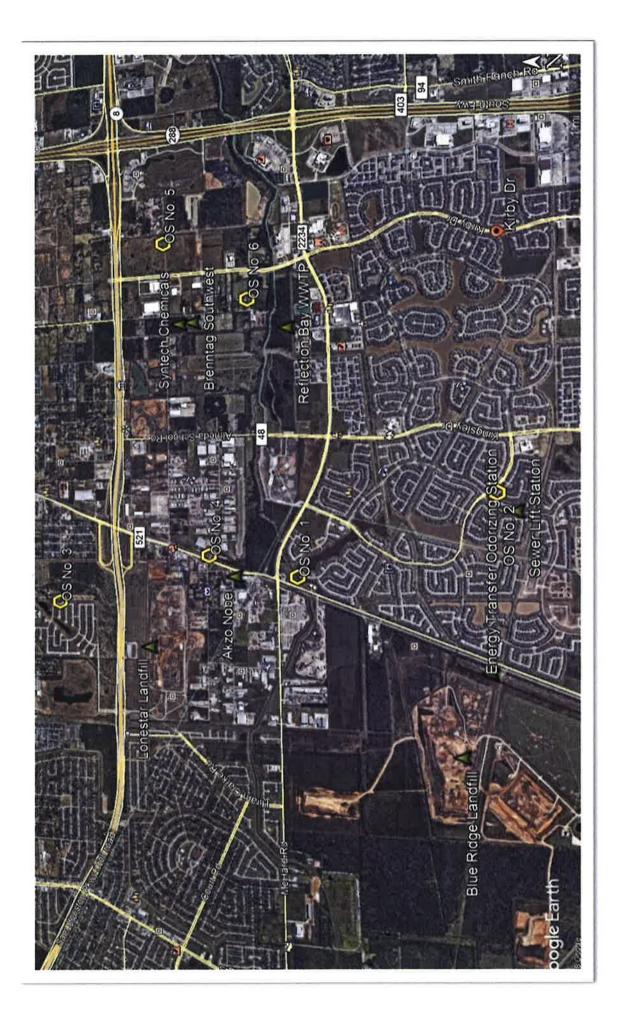
**PLEASE NOTE:** This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data 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, 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.

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Last Modified Tuesday, 30 Jan 2018



TCEQ Waste Section June 28, 2018 Odor Surveys



Supplemental Investigator's Odor Intensity Time Log
Investigator: Reyna lamore Location: Cayman Bend Lane (1900 Bak)
Date of Investigation: Start Time: 0754 hrs

Minutes	Odor Intensity VI., L, M, S,VS
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1 Min 10 Min						

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1 Hour

Supplemental Investigator's Odor Intensity Time Log Investigator: Remove Location: Interesting Control of Hindute Start Time: Oss Hills Start Time: Minutes Odor Intensity VL, L, M, S,VS Minutes Odor Intensity VL, L, M, S, VS Noodor 1 min 31 min NO OCON No odor Odor Description: No Odor Offensiveness: Highly \_\_\_\_\_ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_\_ Not Unpleasant \_\_\_\_ Weighted Average Intensity: VS M VL No Odor 1 Min 10 Min 1 Hour

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Supplemental Investigator's Odor Intensity Time Log Location: Intercharof PMS218 Sature 1+. Investigator: Reyna Lacomore Start Time: 0925 hD Date of Investigation: 5 ne. 28,2018 Odor Intensity VL, L, M, S,VS Minutes Odor Intensity VL, L, M, S, VS Minutes 31 min 1 min Odor Description: Trosh / Garbage \_\_Offensive \_\_\_\_ Unpleasant \_\_\_\_ Not Unpleasant \_ Offensiveness: Highly\_\_\_\_ Weighted Average Intensity: O. No Odor

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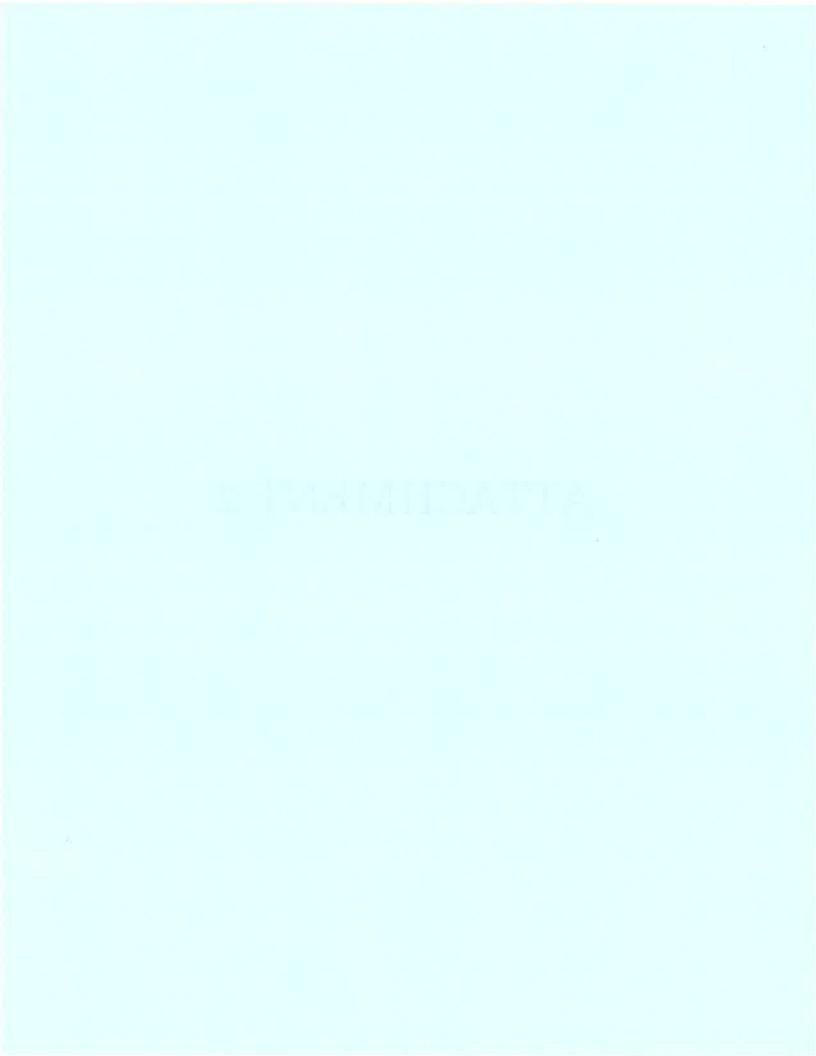
Supplemental Investigator's Odor Intensity Time Log Investigator: Remainder Location Date of Investigation: She 28, 2018 Start Time: 1014 hrs Interaction of Kirby Dr NB Speckum BWd Odor Intensity VL, L, M, S,VS Minutes Odor Intensity VL, L, M, S, VS Minutes No orhr 31 min 1 min Nachor Odor Description: No odor Offensiveness: Highly\_\_\_\_\_ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_ Not Unpleasant \_\_\_\_ Weighted Average Intensity: VL No Odor M VS 1 Min 10 Min 1 Hour

Supplemental Investigator's Odor Intensity Time Log

Perma Lasmye Location: 100 black of page Rock Investigator: Vecuno Location: 100

Date of Investigation: Me 28, 2018 Start Time: 1035 Start Time: 1035 Minutes Odor Intensity VL, L, M, S, VS Odor Intensity VL, L, M, S,VS Minutes 31 min ı min Odor Description: NO OOV Offensive \_\_\_\_\_ Unpleasant \_\_\_\_ Not Unpleasant \_\_\_ Offensiveness: Highly Weighted Average Intensity: VL No Odor M VS 1 Min 10 Min 1 Hour

## ATTACHMENT 2



	MSE
SP REPUBLIC	Blue Ridge Landfill, MSW-1505A

# COVER APPLICATION LOG

Manth / Year June 2013

Page 1 of 2

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inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermed are and lined cover weekly or within 72 hours of a rainfall event at 0.5" or more, inspect at larves in accordance with 28 hours after the area is accessible. Eroston of intermedate or final cover must be corrected within 5 days of defection unless approved by TCEO Regional Office. If not corrected within 5 days, after the area is accessible. Eroston of intermedate or final cover must be corrected within 5 days of defection unless approved by TCEO Regional Office. If not corrected within 5 days, after the area is accessible.

Corrective Action: R = Restoining cover material; G = Grading, M = Compaciling, S = Seeding
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# COVER APPLICATION LOG CLASS I NON HAZARDOUS

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T = Thickness in notes
Methods, A = Tapp Machine, B = Soli by Heavy Equipment, S = Spray.On
Methods, A = Tapp Machine, B = Soli by Heavy Equipment, S = Spray.On
Inspect a seas with day over each day the site is in operation and areas with intermedate and final cover weeky or within 72 hours of a rainfall event of 0.5° or more, impect at areas in accordance with Site Operating Plan Section 4.18. Additional documentation along the season of intermediate or final cover must be corrected within 5 days of detection unless approved by TCEO Regional Office, if not corrected within 24 hours after the area is accessible. Ensign or intermediate or final cover must be corrected within 5 days of detection unless approved by TCEO Regional Office, if not corrected within 24 hours after the area is accessible. Ensign or final cover must be corrected within 24 hours after the area is accessible.

Corrective Action R = Restoring cover material; G = Grading, M = Compacting; S = Seeding

SOP Section 7.74 requires a sort stockpile to be maintained within 1,000 ft of the working face. The mount of soil required is dependent upon the maximum ancipated size of the working face. A 50 yd soil stockpile is required within 1,001 to the Regulated Asbeeto-Containing Maleria. (RACM) disposal area.

Signature certifies work accomplished as stated in the Cover Application Log

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