

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 31, 2019

Mr. Tim Telepak, 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), Texas
Regulated Entity No.: 102610102
TCEQ MSW Permit No.: 1505A
Investigation No.: 1555467

Dear Mr. Telepak:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on April 1, 2, 8 and 9, 2019, requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Katie Phillips and Ms. Asusena Renteria of this office conducted an investigation on April 12, 2019. 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 www.tceq.texas.gov.

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. Reyna Loosmore at this office (713) 767-3706.

Sincerely,


Guadalupe Quiroz, Team Leader
Waste Section
Houston Region Office

GQ/RL/na

MSW PA_1505A_CP_20190412_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 # 1555467

Incident Numbers

306339	306340
306346	305812
306335	306341
305816	306347
305814	305809
306336	306337
306348	306342
305811	306350
305931	306338
306351	306344

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 04/12/2019 -- 04/12/2019

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

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): MSWCMPL - Investigation of MSW
complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

BLUE RIDGE LANDFILL - FRESNO

4/12/2019 Inv. # - 1555467

Page 2 of 5

Role	Title	Name	Phone
PARTICIPATED IN	ENVIRONMENTAL MANAGER	MR TIM TELEPAK	Work (281) 835-6142
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR TIM TELEPAK	Work (281) 835-6142
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR TIM TELEPAK	Work (281) 835-6142
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone (281) 835-6142
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MS AMY KUBINSKI	Phone (281) 835-6142

Other Staff Member(s):

Role	Name
Investigator	ASUSENA RENTERIA
Investigator	KATIE PHILLIPS
Supervisor	GUADALUPE QUIROZ
QA Reviewer	BETHANY BATCHELOR

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
MSW COMPLAINT INVESTIGATION	Complaint

Investigation Comments:**INTRODUCTION**

On April 1, 2, 8 and 9, 2019, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 20 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 March 26 and 30 and April 1, 2, 7, 8 and 9, 2019.

On April 12, 2019, Ms. Asusena Renteria and Ms. Katie Phillips, Environmental Investigators of the TCEQ Houston Region Office Waste Section, conducted an odor survey and an unannounced on-site Odor Complaint Investigation at BRL and the area surrounding it.

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

BLUE RIDGE LANDFILL - FRESNO

4/12/2019 Inv. # - 1555467

Page 3 of 5

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:

TCEQ Incident Nos. 305809, 305811, 305812, 305814, 305816, 305931, 306335, 306336, 306337, 306338, 306339, 306340, 306341, 306342, 306344, 306346, 306347, 306348, 306350 and 306351.

Description of Alleged Effects:

Headache/migraines, nausea and sleeplessness were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: April 12, 2019

Wind Direction: east-northeast (ENE) to east to east-southeast (ESE)

Wind Speed: average 10 mph

Outdoor Temperature: 64.3 – 78.9 °F

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

Odor Survey (OS):

The investigator conducted OS No. 1 at 9:35 a.m., downwind of BRL at the intersection of Evergreen Street and Nail Road in Houston. Garbage odors were intermittently detected during two (2) of the 60 minutes spent at OS No. 1, averaging to a very light intensity.

OS No. 2, located near the intersection of Lost Bridge Lane and Breezeport Court in Pearland and upwind of BRL, was conducted at 9:35 a.m. No odors were detected during the 60 minutes spent at OS No. 2.

OS No. 3, located at the 2000 block of Trinity Bay Drive in Pearland and crosswind of BRL, was conducted at 10:41 a.m. No odors were detected during the 60 minutes spent at OS No. 3.

OS No. 4, located at the 13000 block of Shadow Grove Lane in Pearland and crosswind of BRL, was conducted at 10:48 a.m. No odors were detected during the 60 minutes spent at OS No. 4.

OS No. 5, located at the 1000 block of Cayman Bend Lane in Pearland and crosswind of BRL, was conducted at 12:18 p.m. No odors were detected during the 60 minutes spent at OS No. 5.

An aerial view map of the OS location and the OS log are included in Attachment 1.

Summary of the on-site investigation:

On April 12, 2019, Ms. Renteria and Ms. Phillips arrived at BRL and met with Mr. Tim Telepak, Environmental Manager, Mr. Chance Seely, Environmental Specialist, and Ms. Amy Kubinski, Environmental Specialist to whom the purpose and scope of the investigation were explained.

The facility representatives drove the investigators to the MSW and Class 1 working faces, by which piles of soil were observed. The investigators obtained a copy of the MSW and Class 1 cover logs for the time period of March 1 to April 11, 2019 (Attachment 2). The cover logs indicate that six (6) inches of soil was applied at the end of each operating day to the Class 1 and MSW working faces as required.

Description of Odor:

BLUE RIDGE LANDFILL - FRESNO

4/12/2019 Inv. # - 1555467

Page 4 of 5

Garbage odors were detected during the odor survey.

Description of the Effects on the Investigator:

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:

While off-site, the investigators detected odors from the direction of BRL.

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

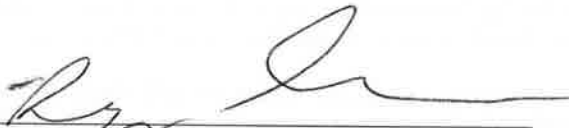
According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive". Landfill garbage odors were detected coming from the direction of BRL on April 12, 2019. Therefore, the frequency of odors documented by the investigator is a quarterly occurrence.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on April 12, 2019. The complaints are closed.

No Violations Associated to this Investigation

Signed


Environmental Investigator

Date 5/31/2019

Signed


Supervisor

Date 5/31/2019

BLUE RIDGE LANDFILL - FRESNO

4/12/2019 Inv. # - 1555467

Page 5 of 5

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type) : No Action letter

☐ Investigation Report

☐ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☐ Photographs

☐ Correspondence from the facility

☒ Other (specify) :

see list of Attachments

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on April 12, 2019**

List of Attachments

Attachment 1: Meteorological Information, Map of Odor Survey locations and Odor Logs

Attachment 2: March and April 2019 Cover Logs

ATTACHMENT 1

Parameter Measured	Morning												Afternoon							
	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	-0.0	0.0	0.1	0.0	0.3	0.7	1.0	2.3	1.9	1.3	1.5	1.2	0.6	0.3	0.4	0.3	0.2	0.1	-0.0	
Nitrogen Dioxide	5.7	5.6	9.6	13.8	10.7	18.6	14.5	13.8	11.2	11.0	8.5	5.6	4.0	2.9	2.9	3.0	2.3	2.6	3.2	
Oxides of Nitrogen	5.7	5.6	9.8	14.0	11.0	19.4	15.5	16.2	13.2	12.3	10.1	6.9	4.6	3.1	3.3	3.3	2.4	2.7	3.1	
Ozone	29	29	23	18	20	11	14	14	21	22	25	34	41	42	43	42	41	40	38	
Wind Speed	6.8	5.9	5.0	5.5	7.6	6.6	8.4	6.8	10.0	8.3	8.9	10.2	12.6	10.8	12.2	13.2	11.9	10.1	7.9	
Resultant Wind Speed	6.5	5.7	4.8	5.3	7.2	6.3	8.0	6.4	9.6	5.8	8.6	9.9	12.0	10.1	11.6	12.7	11.4	9.8	7.6	
Resultant Wind Direction	42	51	38	49	51	37	44	57	58	ENG 71	E 82	E 92	ENE 102	95	105	105	105	97	89	
Maximum Wind Gust	13.9	14.1	9.3	9.9	19.1	14.0	16.8	14.5	18.4	17.9	18.1	18.9	24.7	23.9	23.9	26.3	23.1	24.4	16.4	
Std. Dev. Wind Direction	18	15	16	15	17	18	18	20	14	45	15	14	18	20	18	15	15	12	15	
Outdoor Temperature	66.1	65.4	64.4	63.7	64.0	63.3	62.5	62.9	64.4	64.3	67.5	73.4	78.9	80.0	81.6	78.2	76.3	73.6	73.0	
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	
	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, 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.

[Site Help](#) | [Disclaimer](#) | [Site Policies](#) | [Accessibility](#) | [Our Compact with Texans](#) | [TCEQ Homeland Security](#)
Statewide Links: [Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

© 2002-2017 Texas Commission on Environmental Quality

Last Modified Tuesday, 30 Jan 2018

Supplemental Investigator's Odor Intensity Time Log

Investigator: Asusena Renteria
Date of Investigation: 4/12/2019

Location: intersection of Evergreen Street and Nail Rd
Start Time: 7:35 AM

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

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

Odor Description: Garbage

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor
1 Min					X	
10 Min						
1 Hour						

Supplemental Investigator's Odor Intensity Time Log

Investigator: Kate Phillips

Location: Intersection

Lost Bridge Ln. & Breezeport Ct.

Date of Investigation: April 12, 2019

Start Time: 9:35 AM

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

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

Odor Description: No odor

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Supplemental Investigator's Odor Intensity Time Log

Investigator: Kate Phillips
Date of Investigation: April 12, 2019

Location: 2000 Block of Trinity Bay Dr.
Start Time: 10:41 AM

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

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

Odor Description: No odor

Offensiveness: Highly Offensive Unpleasant Not Unpleasant

Weighted Average Intensity:

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

Supplemental Investigator's Odor Intensity Time Log

Investigator: Asusena Renteria
Date of Investigation: 4/12/19

Location: 13000 Blvd of Shadow Grove Ln.
Start Time: 10:48 AM

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

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

Odor Description: No Odor

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Supplemental Investigator's Odor Intensity Time Log

Investigator: Katie Phillips & Asusem Renteria Location: 1000 Block of Cayman Bend Ln.
 Date of Investigation: April 12, 2019 Start Time: 12:18 AM

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

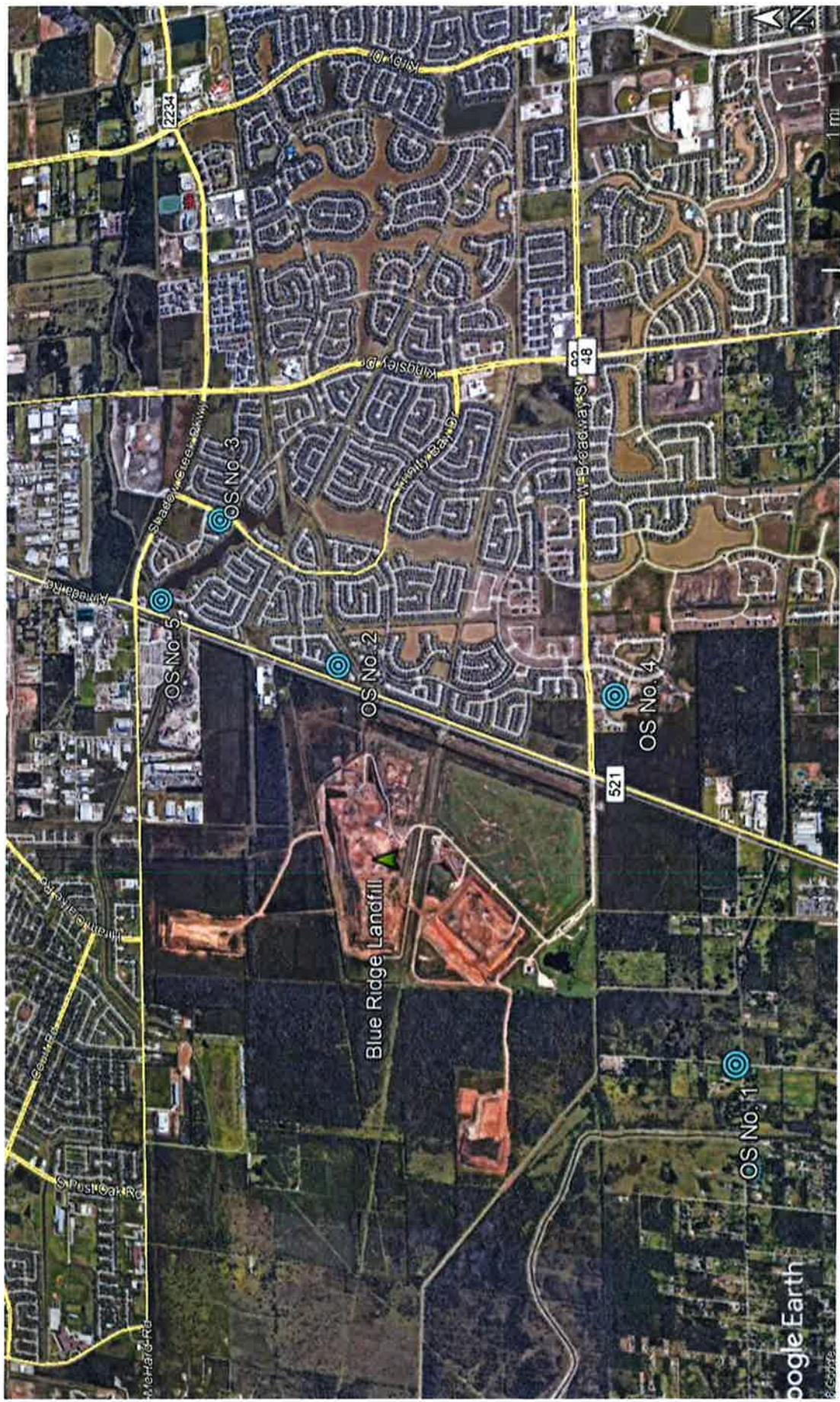
Minutes	Odor Intensity VL, L, M, S, VS
31 min	no odor
32	no odor
33	no odor
34	no odor
35	no odor
36	no odor
37	no odor
38	no odor
39	no odor
40	no odor
41	no odor
42	no odor
43	no odor
44	no odor
45	no odor
46	no odor
47	no odor
48	no odor
49	no odor
50	no odor
51	no odor
52	no odor
53	no odor
54	no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

Odor Description: No odor

Offensiveness: Highly Offensive Unpleasant Not Unpleasant

Weighted Average Intensity:

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



TCEQ Waste Section

April 12, 2019 Odor Surveys

ATTACHMENT 2



Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG

Page 1 of 2

Month / Year: March 2019

MSW

Supervisor Signature: _____

Daily Cover		Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ¹	Erosion or Leachate Seep Detected	Corrective Action ⁴	Soil Stockpile Required ⁷ (yd ³)	Rain (inches) ≥ 0.5"	Rain (inches) ≥ 0.5"	Intermediate Cover				Final Cover				Inspection Date of Intermediate & Final Cover ⁸	Erosion & 4' Detected	Corrective Action ⁵	Final Cover Certification Report Reference	Month / Year	Supervisor Signature ⁶																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T

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

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 7.7.4 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 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Signature certifies work accomplished as stated in the Cover Application Log.

1	
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	
31	

COVER APPLICATION LOG

Month / Year: **APRIL 2019**

MSW

Line	Daily Cover				Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ¹	Erosion or Leachate Seep Detected	Corrective Action ²	Soil Stockpile Required (yd ³)	Rain (inches) ≥ 0.5"	Rain (inches)	Intermediate Cover				Final Cover				Inspection Date of Intermediate & Final Cover ³	Erosion Detected	Date Erosion Corrected ⁴	Corrective Action ⁵	Final Cover Certification Report Reference	Supervisor Signature ⁶	
	AMT ⁷	Grid Area	T ⁸	Method ⁹	AMT ⁷	Grid Area	T ⁸	Method ⁹								AMT ⁷	Grid Area	T ⁸	Method ⁹	AMT ⁷	Grid Area	T ⁸	Method ⁹							
1	750	32-AAA	6"	B	-	-	-	-	104-112	✓																				
2	750	56-57	6"	B	-	-	-	-	112-120	✓																				
3	750	56-57	6"	B	-	-	-	-	90-96	✓																				
4	750	52-58	6"	B	-	-	-	-	40-47	✓																				
5	750	52-58	6"	B	-	-	-	-	47-56	✓																				
6	6500	60-59	6"	B	-	-	-	-	56-59	✓																				
7	750	52-58	6"	B	-	-	-	-	90-93	✓																				
8	750	52-58	6"	B	-	-	-	-	98-105	✓																				
9	750	52-58	6"	B	-	-	-	-	105-112	✓																				
10	750	52-58	6"	B	-	-	-	-	112-120	✓																				
11	750	52-58	6"	B	-	-	-	-																						
12																														
13																														
14																														
15																														
16																														
17																														
18																														
19																														
20																														
21																														
22																														
23																														
24																														
25																														
26																														
27																														
28																														
29																														
30																														
31																														

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

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 mound 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

1	
2	
3	
4	
5	
6	
7	
8	
9	Recover + Graded Top Deck Phase III - FF-11/46-50
10	Recover + Graded Top Deck Phase III - LL-PP/46-50
11	Recover + Graded Top Deck Phase III - PP-SS/46-50
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	



Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Page 1 of 2

Daily Cover				Approved Alternate Daily Cover				Intermediate Cover				Final Cover				Final Cover				Month / Year		Supervisor Signature	
6" Soil				Spray-On or Taps				12" Soil				Per Final Closure Plan				Per Final Closure Plan				Class One		Final Cover	
AMT ¹	Grid Area	T ²	Method ³	MSL	Inspection Date or Daily Cover ⁴	Erosion of Intermediate Soil ⁵	Date of Erosion or Seep ⁶	Corrective Action ⁷	Soil Stockpile Required ⁸ (yd ³)	Rain (inches) ≥ 0.5"	Rain (inches)	Grid Area	AMT ¹	Grid Area	T ²	Method ³	Inspection Date or Intermediate Cover ⁴	Erosion 2' 4" Detected ⁵	Date Erosion Corrected ⁶	Corrective Action ⁷	Final Cover Certification Report Reference	Supervisor Signature	
1	1600	4-32	6" B	-	53	✓				✓								✓					
2																							
3																							
4	500	6-32	6" B	-	43	✓																	
5	500	6-32	6" B	-	46	✓																	
6	500	6-32	6" B	-	48	✓																	
7	500	6-32	6" B	-	50	✓																	
8	500	6-32	6" B	-	53	✓																	
9																							
10																							
11	500	6-32	6" B	-	56	✓																	
12	500	6-32	6" B	-	60	✓																	
13	500	6-31	6" B	-	44	✓																	
14	500	6-31	6" B	-	48	✓																	
15	500	6-31	6" B	-	52	✓																	
16																							
17																							
18	500	6-31	6" B	-	55	✓																	
19	500	6-31	6" B	-	58	✓																	
20	500	6-31	6" B	-	60	✓																	
21	500	6-30	6" B	-	42	✓																	
22	500	6-30	6" B	-	45	✓																	
23																							
24																							
25	500	6-30	6" B	-	47	✓																	
26	500	6-30	6" B	-	50	✓																	
27	500	6-30	6" B	-	53	✓																	
28	500	6-30	6" B	-	57	✓																	
29	500	6-30	6" B	-	60	✓																	
30																							
31																							

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

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.

1	
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	
31	



Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Page 1 of 2

Month / Year: APRIL 2019

Class I

Daily Cover		Approved Alternate Daily Cover		Elevation	Inspection Date of Daily Cover ²	Erosion of Leachate Seep Deleted ³	Corrective Action ⁴	Soil Stockpile Required ⁵ (yd ³)	Rain (inches)	Rain (inches) ≥ 0.5"	Intermediate Cover		Final Cover		Inspection Date of Intermediate & Final Cover ⁶	Erosion 2.4' Deleted ⁷	Date Erosion Corrected ⁸	Corrective Action ⁹	Final Cover Certification Report Reference	Supervisor Signature ¹⁰
6" Soil		Spray-On or Tarps		MSL							12" Soil		Per Final Closure Plan							
AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³
1	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	500	F-30	6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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.

1	
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	
31	