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Emily Lindley, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 20, 2019

Mr. Scott Trebus
Area 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.: 1550773

Dear Mr. Trebus:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on February 25 and 28, 2019, 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 March 1, 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. Loosmore at this office (713) 767-3706.

Sincerely,

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

Alma L. Jefferson, Manager
Waste Section
Houston Region Office

ALJ/RLL/na

MSW PA_1505A_CO_20190301_Investigation Report
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 # 1550773

Incident Numbers

303601	303432
303394	303395
303398	303397
303396	303433
303393	303435
303391	303401
303402	

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 03/01/2019 -- 03/01/2019

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):

Role	Title	Name	Phone
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone (281) 835-6142
REGULATED ENTITY CONTACT	AREA ENVIRONMENTAL MANAGER	MR SCOTT TREBUS	Phone (713) 726-7506 Fax (713) 675-3660
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MS AMY KUBINSKI	Phone (281) 835-6142
PARTICIPATED IN	FLEET MANAGER	MR CHARLES WALKER	Phone (281) 835-6142

BLUE RIDGE LANDFILL - FRESNO**3/1/2019 Inv. # - 1550773****Page 2 of 4**

Other Staff Member(s):

Role	Name
Investigator	ASUSENA RENTERIA
Supervisor	ALMA JEFFERSON
Investigator	NADINE BALMACEDA
QA Reviewer	BETHANY BATCHELOR

Associated Check List**Checklist Name**

MSW COMPLAINT INVESTIGATION

Unit Name

1505A Complaint

Investigation Comments:**INTRODUCTION**

On February 25 and 28, 2019, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 13 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 February 23 and 28, 2019.

On March 1, 2019, Ms. Asusena Renteria and Ms. Nadine Balmaceda, Environmental Investigators of the TCEQ Houston Region Office Waste Section, conducted odor surveys in the area surrounding BRL. On March 1, 2019, Ms. Reyna L. Loosmore, Environmental Investigator of the TCEQ Houston Region Office Waste Section, Ms. Renteria and Ms. Balmaceda conducted 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:

TCEQ Incident Nos. 303391, 303393, 303394, 303395, 303396, 303397, 303398, 303401, 303402, 303432, 303433, 303435 and 303601.

Description of Alleged Effects:

Headache, nausea, discomfort, irritation of the eyes and nose were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: March 1, 2019

BLUE RIDGE LANDFILL - FRESNO

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Wind Direction: northeast (NE) to north-northeast (NNE)

Wind Speed: average 4.8 mph

Outdoor Temperature: 50.0 – 59.1 °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 9:00 a.m., downwind of BRL at the 400 block of Evergreen Street in Houston. No odors were detected during the 60 minutes spent at OS No. 1.

OS No. 2, located at the 2000 block of Trinity Bay Drive in Pearland and upwind of BRL, was conducted at 9:00 a.m. No odors were detected during the 60 minutes spent at OS No. 2.

OS No. 3, located at the 1900 block of Cayman Bend Drive in Pearland and upwind of BRL, was conducted at 10:05 a.m. No odors were detected during the 60 minutes spent at OS No. 3.

OS No. 4, located at the 2000 block of Lost Bridge Lane in Pearland and crosswind of BRL, was conducted at 10:10 a.m. No odors were detected during the 60 minutes spent at OS No. 4.

OS No. 5, located at the 4800 block of Ridge Harbor Drive in Houston and upwind of BRL, was conducted at 11:30 a.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 logs are included in Attachment 1.

Summary of the on-site investigation:

On March 1, 2019, Ms. Loosmore, Ms. Renteria and Ms. Balmaceda arrived at BRL and met with Mr. Charles Walker, Fleet 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 months of January and February 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:

No odors 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:

No odors were detected off-site by the investigators.

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

BLUE RIDGE LANDFILL - FRESNO

3/1/2019 Inv. # - 1550773

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were previously detected coming from the direction of BRL on December 2, 10 and 16, 2018. Therefore, the frequency of odors documented by the investigators is a quarterly occurrence.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on March 1, 2019. The complaints are closed.

No Violations Associated to this Investigation

Signed 
Environmental Investigator

Date 03/20/19

Signed 
Supervisor

Date 03/20/2019

Attachments: (in order of final report submittal)

 Enforcement Action Request (EAR)

✓ Letter to Facility (specify type) : No Action taken

 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 March 1, 2019**

List of Attachments

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

Attachment 2: January and February 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	0.5	0.0	0.1	0.2	0.5	1.6	4.7	10.3	15.0	21.1	25.5	19.7	21.9	10.7	3.6	2.3	1.3	0.6	0.3	
Nitrogen Dioxide	11.2	8.7	10.5	9.0	8.5	9.1	10.4	9.9	9.1	9.3	11.3	14.9	19.3	19.6	14.2	9.9	8.3	7.1	9.4	
Oxides of Nitrogen	11.9	8.9	10.8	9.4	9.1	10.8	15.3	20.3	24.2	30.6	37.1	34.9	41.5	30.5	18.0	12.4	9.8	7.8	9.8	
Ozone	3	4	2	3	2	1	0	0	1	1	3	7	8	17	21	17	16	18	14	
Wind Speed	6.1	4.8	5.8	5.3	4.9	4.5	5.1	5.0	3.9	4.2	5.2	6.0	3.9	5.1	3.4	2.6	3.3	2.9	4.5	
Resultant Wind Speed	5.8	4.5	5.5	5.0	4.7	4.2	4.9	4.7	3.6	3.8	4.9	5.7	2.9	4.3	2.6	1.9	3.1	2.8	4.4	
Resultant Wind Direction	6	18	359	6	9	20	14	5	14	NE	NE	NNE	38	127	142	105	93	91	100	
Maximum Wind Gust	11.4	9.0	10.2	9.5	9.7	8.6	9.9	10.2	7.1	7.9	10.3	10.8	10.0	9.7	10.0	5.6	6.7	5.5	9.7	
Std. Dev. Wind Direction	17	22	18	18	17	20	18	21	24	24	22	19	41	31	39	44	21	16	12	
Outdoor Temperature	46.7	46.7	46.6	46.6	47.1	47.6	47.9	48.1	48.8	50.0	52.7	54.8	59.1	66.5	68.1	67.8	67.3	67.0	65.5	
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.

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Last Modified Tuesday, 30 Jan 2018



TCEQ Waste Section

March 1, 2019 Odor Surveys

Supplemental Investigator's Odor Intensity Time Log

Investigator: Narcine Balmaceda
Date of Investigation: 3/1/19

Location: Block of Evergreen St.
Start Time: 9:00 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

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
1 Min					
10 Min					
1 Hour					

Supplemental Investigator's Odor Intensity Time Log

Investigator: Arsena Renteng
Date of Investigation: 3/1/2019

Location: Block 4 Trinity Bay Dr.
Start Time: 9:00 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						X
10 Min						X
1 Hour						X

Supplemental Investigator's Odor Intensity Time Log

Investigator: Asusena Renteria
Date of Investigation: 3/1/2019

Location: Block of Cayman Beach Dr.
Start Time: 10:05 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: Nedline Balmarceda
Date of Investigation: 3/1/19

Location: Block of lost bridge lane
Start Time: 10:10 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: Ausena Penferia/Nadine Balmora Location: 4800 Block of Ridge Harbor Dr.
 Date of Investigation: 3/1/19 Start Time: 11:30 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						

ATTACHMENT 2

COVER APPLICATION LOG

REPUBLIC SERVICES
Blue Ridge Landfill, MSW-1505A

Month / Year: January 2019

MSW

Daily Cover			Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ¹	Erosion or Leachate Seep Detected ²	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 ³	Erosion ≥ 4" Detected ⁶	Date Erosion Corrected ⁵	Corrective Action ⁴	Final Cover Certification Report Reference	Supervisor Signature ⁷	
AMT ¹	Grid Area	T ²	Method ³	AMT ³	Grid Area	T ²								Method ³	AMT ⁴	Grid Area	T ²	Method ³	AMT ⁴	Grid Area	T ²							Method ³
1																												
2	750	MM-24	6"	B				70-78	✓			2.0	✓															
3	750	MM-24	6"	B				70-78	✓			0.3																
4	750	MM-24	6"	B				70-78	✓													✓		1-5-19	R			
5	500	MM-24	6"	B				72-78	✓															1-6-19	R			
6																												
7	750	MM-24	6"	B				72-78	✓															1-8-19	R			
8	750	MM-24	6"	B				72-78	✓																			
9	750	MM-24	6"	B				72-78	✓																			
10	750	MM-24	6"	B				78-80	✓																			
11	750	MM-24	6"	B				78-80	✓													✓						
12	500	MM-24	6"	B				76-80	✓			0.6	✓															
13																												
14	750	MM-24	6"	B				80-86	✓																1-14-19	R		
15	750	MM-24	6"	B				86-92	✓													✓						
16	750	MM-24	6"	B				92-98	✓																1-16-19	R		
17	750	MM-24	6"	B				80-88	✓																			
18	750	MM-24	6"	B				88-96	✓			0.1																
19	500	MM-24	6"	B				80-84	✓			0.5	✓															
20																												
21	750	MM-24	6"	B				80-86	✓													✓			1-21-19	R		
22	750	MM-24	6"	B				86-92	✓			0.9	✓												1-22-19	R		
23	750	MM-24	6"	B				92-98	✓																			
24	750	MM-24	6"	B				80-86	✓																			
25	750	MM-24	6"	B				86-94	✓													✓						
26	500	MM-24	6"	B				94-98	✓																			
27																												
28	750	MM-24	6"	B				80-88	✓																			
29	750	MM-24	6"	B				88-96	✓													✓						
30	750	MM-24	6"	B				92-98	✓																			
31	750	MM-24	6"	B				80-88	✓			0.7	✓															

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	Graded to Repair Erosion Phase III North Slope I-L/48-56 - Graded to Repair Slope Phase III South Slope N-L/40-44
6	Graded to Repair Erosion Phase III North Slope L-P/48-56
7	
8	Graded to Repair Erosion Phase III North Slope S-S-U/48-51 - Graded to Repair Erosion Phase III South Slope K-L/40-44
9	Graded to Repair Erosion Phase III South Slope T-U/40-43
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14	Graded to Repair Drainage Block at Phase III North of Road near Marker T/48-49
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16	Graded to Repair Erosion Phase III North Slope P-R/52-53
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21	Graded to Repair Erosion Phase III West Slope I-M/42-44
22	Graded to Repair Erosion Phase I F-L/16-22, Graded Phase III West Slope I-M/73-48
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Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG

Month / Year: February 2015

MSW

Daily Cover		Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ⁴	Erosion or Leachate Seep Detected ⁵	Corrective Action ⁶	Soil Stockpile Required ⁷ (yd ³)	Rain (inches)	Rain (inches) ≥ 0.5" ⁸	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover ⁹	Erosion or Leachate Seep Detected ¹⁰	Corrective Action ¹¹	Final Cover Certification Report Reference	Supervisor Signature ¹²		
6" Soil		AMT ¹	Grid Area	T ²	Method ³								Spray-On or Tamps	Grid Area	T ²	Method ³	Grid Area	T ²						Method ³	Grid Area
1	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
2	500	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
3	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.5	✓											
4	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
5	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
6	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
7	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
8	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
9	500	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
10	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
11	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.8	✓											
12	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
13	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
14	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
15	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
16	500	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
17	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
18	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
19	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.2												
20	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
21	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.3												
22	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
23	500	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
24	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.5	✓											
25	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		1.2	✓											
26	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.1												
27	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓		0.4												
28	750	44-46	32-34	6"	B	—	—	—	—	88-96	✓														
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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 allocated 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.

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8	Recover & Graded to Repair from S.E.M. Findings Phase I mm-pd/10-23 and Phase III North Slope V-KK/50-56
9	Recover & Graded to Repair from S.E.M. Findings Phase II H-V/48-53 North Slope
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11	Recover & Graded to Repair from S.E.M. Findings Phase III West Slope H-K/41-52
12	Recover & Graded to Repair from S.E.M. Findings Phase III South Slope H-W/38-42
13	Recover & Graded to Repair Findings from S.E.M. Phase III Sand Slope FT-WW/33-37
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COVER APPLICATION LOG CLASS I NON HAZARDOUS

REPUBLIC SERVICES
Blue Ridge Landfill, MSW-1505A

Month / Year: JANUARY 2019

CLASS I

Line	Daily Cover			Approved Alternate Daily Cover			Elevation	Inspection Date of Daily Cover ^a	Erosion or Leachate Seep Detected ^a	Corrective Action ^a	Soil Stockpile Required? (yd ³)	Rain (inches)	Rain (inches) ≥ 0.5"	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover ^c	Erosion ≥ 4" Detected ^c	Corrective Action ^c	Final Cover Certification Report Reference	Supervisor Signature ^d
	AMT ^b	Grid Area	T ^b	Method ^b	AMT ^b	Grid Area	T ^b							Grid Area	T ^b	Method ^b	Grid Area	T ^b	Method ^b					
1																								
2	500	J-32	6"	B				60'	✓															
3	500	K-32	6"	B				43'	✓															
4	500	K-32	6"	B				46'	✓															
5																								
6																								
7	500	K-32	6"	B				49'	✓															
8	500	K-32	6"	B				52'	✓															
9	500	K-32	6"	B				55'	✓															
10	500	K-32	6"	B				58'	✓															
11	500	K-32	6"	B				60'	✓															
12																								
13																								
14	500	K-33	6"	B				43'	✓															
15	500	K-33	6"	B				47'	✓															
16	500	K-33	6"	B				50'	✓															
17	500	K-33	6"	B				54'	✓															
18	500	K-33	6"	B				57'	✓															
19																								
20																								
21	500	K-33	6"	B				60'	✓															
22	500	K-34	6"	B				44'	✓															
23	500	K-34	6"	B				47'	✓															
24	500	K-34	6"	B				50'	✓															
25	500	K-34	6"	B				53'	✓															
26																								
27																								
28	500	K-34	6"	B				58'	✓															
29	500	K-34	6"	B				60'	✓															
30	500	J-33	6"	B				42'	✓															
31	500	J-33	6"	B				45'	✓															

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.

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Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Page 1 of 2

Month / Year: FEBRUARY 2019

CLASS

Daily Cover										Approved Alternate Daily Cover				Erosion		Inspection		Erosion or Leachate		Corrective Action ⁵		Soil Stockpile Required ⁶ (yd ³)		Rain (inches)		Rain (inches) $\geq 0.5"$		Intermediate Cover				Final Cover				Inspection		Erosion $\geq 4"$ Detected		Date Erosion Corrected ⁵		Corrective Action ⁵		Final Cover Certification Report Reference		Supervisor Signature ⁸																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
6" Soil		Spray-On or Tarps		MSL		Date of Daily Leachate Step Detected		Date of Daily Leachate Step Corrected ⁵		Corrective Action ⁵		Soil Stockpile Required ⁶ (yd ³)		Rain (inches)		Rain (inches) $\geq 0.5"$		Intermediate Cover		Final Cover		Inspection		Erosion $\geq 4"$ Detected		Date Erosion Corrected ⁵		Corrective Action ⁵		Final Cover Certification Report Reference		Supervisor Signature ⁸																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Line	6" Soil	Grid Area	Method ²	Grid Area	Method ²	MSL	AMT ¹	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area	Method ²	Grid Area

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