

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 [www.tceq.texas.gov](http://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,

  
Alma L. Jefferson, Team Leader  
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

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

**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):** MSWC MPL - 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
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):**

<b>Role</b>	<b>Name</b>
QA Reviewer	BETHANY BATCHELOR
Supervisor	ALMA JEFFERSON

**Associated Check List**

**Checklist Name**

MSW COMPLAINT INVESTIGATION

**Unit Name**

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   
Supervisor

Date 07/19/2018

**Attachments: (in order of final report submittal)**

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type) : Notice 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 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



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	
<u>Nitric Oxide</u>	<b>-0.3</b>	-0.3	-0.2	1.0	5.8	<b>11.4</b>	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	
<u>Nitrogen Dioxide</u>	2.0	2.5	2.7	5.6	7.9	<b>8.7</b>	7.3	3.3	1.3	<b>0.4</b>	0.4	0.9	0.6	0.5	PMA	2.1	0.7	0.9	1.1	
<u>Oxides of Nitrogen</u>	1.7	2.2	2.5	6.6	13.5	<b>19.7</b>	16.0	4.7	1.6	<b>0.2</b>	0.3	0.8	0.5	0.4	PMA	2.4	0.6	0.8	1.1	
<u>Ozone</u>	5	4	4	1	<b>0</b>	0	2	11	16	18	20	20	<b>23</b>	21	PMA	19	18	19	16	
<u>Wind Speed</u>	2.2	2.9	2.6	<b>1.1</b>	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	<b>10.3</b>	10.2	
<u>Resultant Wind Speed</u>	2.2	2.9	2.6	<b>0.9</b>	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	<b>10.0</b>	
<u>Resultant Wind Direction</u>	169	164	160	153	124	<b>100</b>	144	S 186	S 189	SSW 203	SSW 209	180	186	186	122	135	174	179	171	
<u>Maximum Wind Gust</u>	4.5	4.8	4.3	<b>2.4</b>	2.7	2.5	6.0	13.4	12.6	15.2	11.8	14.7	15.8	14.4	16.0	12.8	<b>19.1</b>	17.7	17.7	
<u>Std. Dev. Wind Direction</u>	9	<b>8</b>	12	<b>28</b>	24	12	22	16	17	22	26	24	21	23	21	21	18	14	13	
<u>Outdoor Temperature</u>	76.8	76.4	76.2	<b>76.0</b>	76.3	76.9	79.0	82.6	85.1	86.9	88.3	87.7	89.8	<b>89.9</b>	86.9	87.0	89.0	88.1	86.3	
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 <b>bold</b> within the table. Minimum values are <b>bold italic</b> .																			
	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.

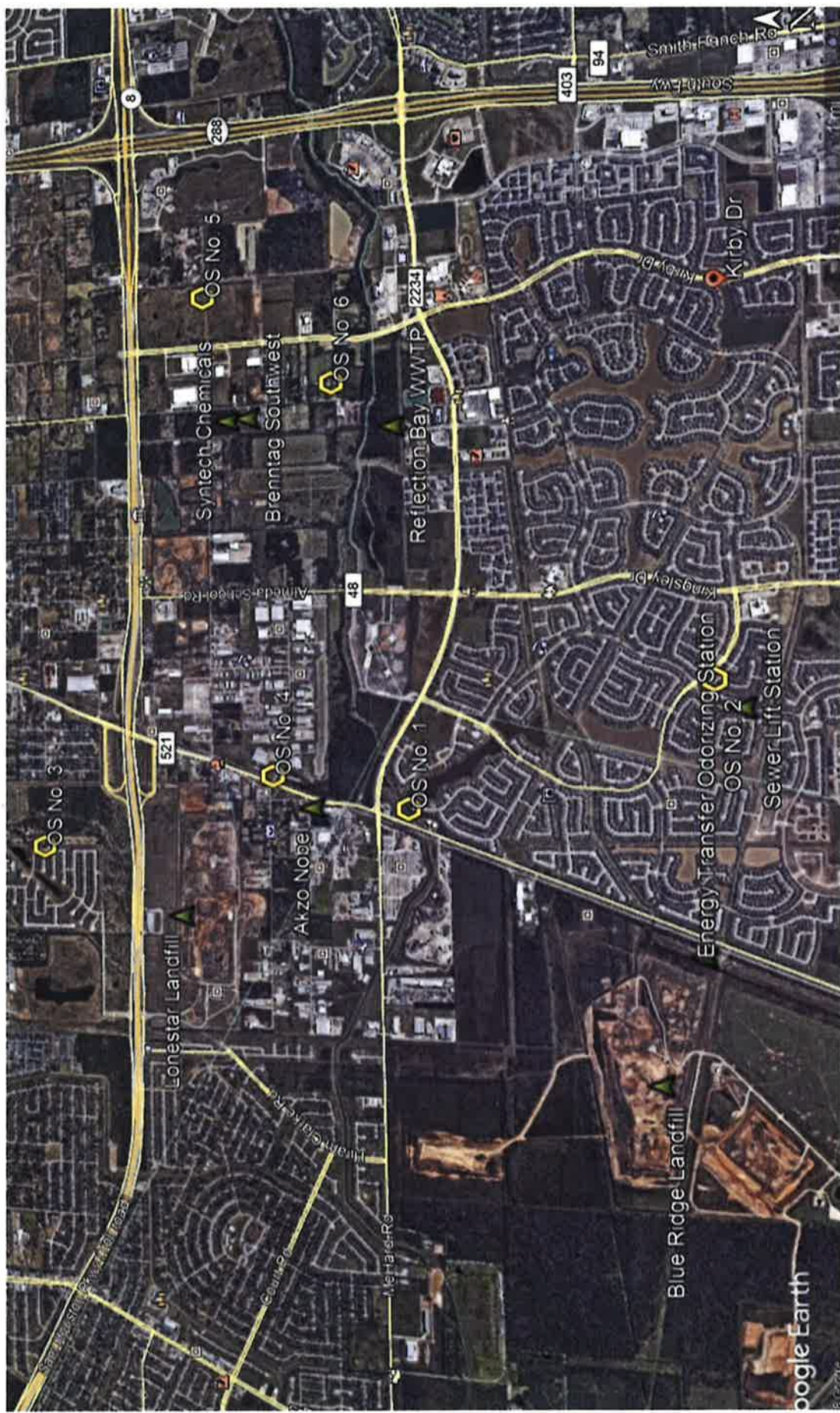
Following EPA reporting guidelines, negative values may be displayed in our hourly criteria air quality data, down to the negative of the EPA listed Method Detection Limit (MDL) for the particular instrument that made the measurements. The reported concentrations can be negative due to zero drift in 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





## TCEQ Waste Section

June 28, 2018 Odor Surveys



# Supplemental Investigator's Odor Intensity Time Log

Investigator: Reynold Lasmore

Location: Cayman Bend Lane (1900Bak)

Date of Investigation: June 28, 2018

Start Time: 0754 hrs

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	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

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: Reynold Lasmore  
Date of Investigation: June 28, 2018

Location: Intersection of Mystic Lake Ln & meadow springs Dr  
Start Time: 0822 hrs

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	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

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: Raquel Longmore  
Date of Investigation: June 28, 2018

Location: Intersection of Hinsdale Springs Ln & Estes Brook Ln  
Start Time: 0857h

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	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

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: Reyna L. Casmore

Location: Intersection of RM 521 & Sam Houston Industrial Dr

Date of Investigation: June 28, 2018

Start Time: 0925 h10

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	VL
8	VL
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	VL
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	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

Odor Description: Trash / Garbage

Offensiveness: Highly \_\_\_\_\_ Offensive ☒ Unpleasant \_\_\_\_\_ Not Unpleasant \_\_\_\_\_

Weighted Average Intensity: 0.1

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



# Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Laismore Location: ~0.19 mi East of intersection of Kirby Dr  
 Date of Investigation: June 28, 2018 Start Time: 10:14 hrs Specimen Bwd

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	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

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: Peyna Lasmone

Location: 1100 block of Fudge Road

Date of Investigation: June 28, 2018

Start Time: 1035 hrs

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	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

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





Blue Ridge Landfill, MSW-1505A

# COVER APPLICATION LOG

MSW

Month / Year

June 2018

Line	Daily Cover			Approved Alternate Daily Cover			Elevation	Inspection Date of Daily Cover	Leachate Seep Detected	Corrective Action	Soil Sampling Required (yd <sup>3</sup> )	Rain (inches) ≥ 0.5"	Rain (inches) ≥ 0.5"	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover	Erosion ≥ 4" Detected	Corrective Action	Final Cover Certification Report Reference	Supervisor Signature		
	AMT	Grid Area	T	Method	AMT	Grid Area								T	Method	AMT	Grid Area	T	Method						AMT	Grid Area
1	750	51-52	6"	B	—	—	—	100-105	✓																	
2	650	51-52	6"	B	—	—	—	105-107	✓																	
3																										
4	780	51-52	6"	B	—	—	—	107-111	✓																	
5	780	51-52	6"	B	—	—	—	111-114	✓																	
6	750	51-52	6"	B	—	—	—	114-117	✓																	
7	750	51-52	6"	B	—	—	—	117-120	✓																	
8	750	51-52	6"	B	—	—	—	120-124	✓																	
9	600	51-52	6"	B	—	—	—	124-126	✓																	
10																										
11	750	51-52	6"	B	—	—	—	126-127	✓																	
12	750	51-52	6"	B	—	—	—	127-128	✓																	
13	750	51-52	6"	B	—	—	—	128-129	✓																	
14	750	51-52	6"	B	—	—	—	129-130	✓																	
15	750	51-52	6"	B	—	—	—	130-131	✓																	
16	650	51-52	6"	B	—	—	—	131-132	✓																	
17																										
18	750	51-52	6"	B	—	—	—	132-133	✓																	
19	750	51-52	6"	B	—	—	—	133-134	✓																	
20	750	51-52	6"	B	—	—	—	134-135	✓																	
21	750	51-52	6"	B	—	—	—	135-136	✓																	
22	750	51-52	6"	B	—	—	—	136-137	✓																	
23	600	51-52	6"	B	—	—	—	137-138	✓																	
24																										
25	750	51-52	6"	B	—	—	—	138-139	✓																	
26	750	51-52	6"	B	—	—	—	139-140	✓																	
27	750	51-52	6"	B	—	—	—	140-141	✓																	
28																										
29																										
30																										

AMT = Amount of cover (soil) in yd<sup>3</sup> for 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 on 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. 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 anticipated size of the working face. A 50 yd<sup>3</sup> 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

[illegible]

COVER APPLICATION LOG CLASS I NON HAZARDOUS

REPUBLIC SERVICES  
Blue Ridge Landfill, NSW-1505A

CLASS 1

Month / Year: June 2013

Daily Cover	6" Soil	Approved Alternate Daily Cover			Erosion of Leachate Seep Detected	Date of Daily Leachate Seep Corrected	Corrective Action	Soil Stockpile Required (yd <sup>3</sup> )	Rain (inches) ≥ 0.5"	Rain (inches) ≥ 0.5"	Intermediate Cover		Final Cover		Inspection Date of Intermediate & Final Cover	Erosion of Intermediate & Final Cover	Date Erosion Corrected	Corrective Action	Final Cover Construction Reference	Supervisor Signature
		AMT	Grid Area	Method							12" Soil	Grid Area	AMT	Grid Area						
1	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
2																				
3																				
4	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
5	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
6	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
7	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
8	500 H-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
9																				
10																				
11	500 G-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
12	500 G-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
13	500 G-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
14	500 G-32 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
15	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
16																				
17																				
18	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
19	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
20	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
21	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
22	500 G-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
23																				
24																				
25	500 F-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
26	500 F-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
27	500 F-30 6"	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roy Conroy
28																				
29																				
30																				
31																				

AMT = Amount of cover (soil) in yd<sup>3</sup> 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 anticipated size of the working face. A 50 yd<sup>3</sup> 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

