

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 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.: 1511864

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on August 09, 10, 13, 20, 21, 22, 23, and 24, 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 August 22, 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.

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, Team Leader
Waste Section
Houston Region Office

ALJ/RLL/ug

REGION 12

MSW PA_1505A_C1_20180822_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 # 1511864

Incident Numbers

290762	290117
290786	290132
290776	290936
290799	290134
290920	290127
290907	290862
290767	290921
290805	290804
290112	290924
290135	290868
290779	290764
290806	290919
290801	290791
290121	290902
290803	290797
290761	290928
290909	290807
290123	290925
290162	290131
290782	290421
290872	290904
290865	290802
290927	290910
290798	290423
290424	290906

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 08/22/2018 -- 09/04/2018

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

REGION 12

Contact(s):

Role	Title	Name	Phone
PARTICIPATED IN	DIVISION MANAGER	MR MARK MEADOWS	Phone (281) 668-9739
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	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
Supervisor	ALMA JEFFERSON
QA Reviewer	BETHANY BATCHELOR

Associated Check List

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

Investigation Comments:

INTRODUCTION

On August 9, 10, 13, 20, 21, 22, 23 and 24, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 54 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 August 8, 9, 10, 11, 18, 21 and 22, 2018.

On August 22, 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 and in the surrounding area.

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.

By letter to the TCEQ Houston Region Office, dated July 10, 2018, BRL requested additional time to repair erosion caused by 4.8 inches of rain from July 3 to July 9, 2018. The letter (Attachment 1) stated that more than five days was needed to repair the erosion due to wet soil on the slopes. The request for Additional Time to Repair was approved on July 11, 2018 (Attachment 1). Erosion letters received on August 23 and 29, 2018 are further discussed in the Additional Information section.

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. 290112, 290117, 290121, 290123, 290127, 290131, 290132, 290134, 290135, 290162, 290421, 290423, 290424, 290761, 290762, 290764, 290767, 290776, 290779, 290782, 290786, 290791, 290797, 290798, 290799, 290801, 290802, 290803, 290804, 290805, 290806, 290807, 290862, 290865, 290868, 290872, 290902, 290904, 290906, 290907, 290909, 290910, 290919, 290920, 290921, 290924, 290925, 290927, 290928, 290936, 290939, 290942, 291117 and 291120. Some of the incidents for this complaint are included in Data Maintenance File Review No. 1512779.

Description of Alleged Effects:

Nausea, headaches, nasal congestion, irritation of nose/throat and discomfort were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: August 22, 2018

Wind Direction: west (W) to west-northwest (WNW)

Wind Speed: average 7 mph

Outdoor Temperature: 84.3 – 88.2 °F

Meteorological data taken from TCEQ's continuous air monitoring station Manvel Croix Park C84 weather station (Attachment 2).

Odor Survey (OS):

The investigator conducted OS No. 1 at 8:28 a.m., downwind of BRL at the 13000 block of Rainwater Drive in Pearland. No odors were detected during the 15 minutes spent at OS No. 1.

OS No. 2, located near the intersection of Shoalwater Lane and Perdido Bay Lane in Pearland and crosswind of the Sewer Lift Station, was conducted at 8:48 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3, located at the 1900 block of Cayman Bend Lane in Pearland and downwind of Akzo Nobel Surface Chemistry (Akzo), was conducted at 9:11 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

OS No. 4, located near the intersection of Southbelt Industrial Drive and FM 521 Road in Pearland and downwind of Lone Star Landfill, was conducted at 9:34 a.m. No odors were detected during the 15 minutes spent at OS No. 4.

OS No. 5, located at the intersection of Kirby Drive and Fruge Road in Houston and upwind of the Reflection Bay Wastewater Treatment Plant (WWTP), was conducted at 9:56 a.m. No odors were detected during the 15 minutes spent at OS No. 5.

OS No. 6, located near the intersection of N. Spectrum Boulevard and Kirby Drive in Pearland and upwind of

Brenntag Southwest/Syntech Chemicals, was conducted at 10:13 a.m. No odors were detected during the 15 minutes spent at OS No. 6.

An aerial view map of the OS location and the OS log are included in Attachment 2.

Summary of the on-site investigation:

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

Six inches of soil is applied at the end of each operating day to the Class 1 and MSW working faces. The facility representatives drove the investigator to the MSW and Class 1 working faces, by which piles of soil were observed. No erosion was observed on the slopes of the landfill during the investigation. The investigator obtained a copy of the MSW and Class 1 cover logs from August 1 to 21, 2018 (Attachment 3). The cover logs indicate that soil is applied to the working faces as required.

Description of Odor:

No 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:

No odors were detected off-site by the investigator.

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

According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive", the odor of landfill gas/leachate is characterized as "highly offensive". Landfill garbage odors were previously detected coming from the direction of BRL on June 28, July 12 and 23, 2018. Therefore, the frequency of odors documented by the investigator is a monthly occurrence.

ADDITIONAL INFORMATION

On August 23, 2018, a letter (Attachment 4) was received from BRL, dated August 20, 2018, regarding the facility's progress to repair erosion. According to the letter, BRL completed repairs on the north slope of Phase 3 between grid markers SS-YY and 48-50, and between SS-YY and 44-48.

During the site investigation, the investigator noted that the repairs had been completed between grid markers SS-YY and 48-50, and between SS-YY and 44-48 by restoring cover material and grading.

On August 29, 2018, a letter (Attachment 4) was received from BRL, dated August 27, 2018. According to the letter, BRL completed repairs on Phase 2.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on August 22, 2018. The complaints are closed.

No Violations Associated to this Investigation

Signed 
Environmental Investigator

Date 09/19/2018

Signed Alma L. Jefferson
Supervisor

Date 09/19/2018

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
-

REGION 12

Signed 
Environmental Investigator

Date 09/19/2018

Signed 
Supervisor

Date 09/19/2018

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : _____
- Investigation Report
- Sample Analysis Results
- Manifests
- Notice of Registration

- Maps, Plans, Sketches
 - Photographs
 - Correspondence from the facility
 - Other (specify) :
-
-

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on August 22, 2018**

List of Attachments

Attachment 1: July 10, 2018 Request to Repair Erosion and July 11, 2018 TCEQ Approval Letter

Attachment 2: Meteorological Information, Map of Odor Survey locations and Odor Logs

Attachment 3: August 2018 Cover Logs

Attachment 4: Erosion Repair Letters Received on August 23 and 29, 2018

ATTACHMENT 1

REGION 12

REGION 12

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 11, 2018

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

Re: Request for Additional Time to Repair Erosion at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545
TCEQ MSW Permit No.: 1505A

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has received your letter, dated July 10, 2018, requesting additional time to repair erosion caused by rain from July 3 - 9, 2018 at the Blue Ridge Landfill. During that period, approximately 4.8 inches of rain fell. The areas in the requests are identified as located as follows:

1. Phase 3: North slope between grid markers I-XX and 48-56;
2. Phase 3: South slope between grid markers I-TT and 35-42;
3. Phase 3: West slope between grid markers I-L and 41-50; and
4. Phase 2: West slope between grid markers O-V and 16-24.

In accordance with Title 30 Texas Administrative Code § 330.165(g), erosion of cover must be repaired within five days of detection unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The TCEQ Houston Region Office's evaluation indicates the information presented is sufficient to allow additional time for repair. Please submit to this office each week the status of your progress in implementing the corrective action and within 30 days of repair the required documentation demonstrating that compliance has been achieved.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding this matter, please feel free to contact me in the Houston Region Office at (713) 767-3615.

Sincerely,

A handwritten signature in black ink that reads "Jason T. Ybarra".

Jason T. Ybarra
Manager, Waste Section
Houston Region Office

JTY/ALJ/rsv

Enclosures: Request for Additional Time to Repair Erosion letter, dated July 10, 2018, and Site Plan

cc: Mr. Matt Montagna, Blue Ridge Landfill TX, LP, P.O. Box 879, Fresno, Texas 77545
Mr. Chance Goodin, Manager, TCEQ MSW Permits, MC-124
TCEQ Region 12 • 5425 Polk St., Ste. H • Houston, Texas 77023-1452 • 713-767-3500 • Fax 713-767-3520



July 10, 2018

Mr. Jason Ybarra, Waste Section Manager
Region 12, Waste Section
Texas Commission on Environmental Quality (TCEQ)
5425 Polk Ave., Ste. H
Houston, TX 77023

**Re: Request for Additional Time to Repair Erosion
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, TX 77545
MSW Permit No: 1505A**

Dear Mr. Ybarra,

In accordance with Section 4.18 of the approved Site Operating Plan (SOP), Blue Ridge Landfill is requesting additional time to repair erosion caused by rain from July 3 to July 9, 2018. During that period of time, approximately 4.8 inches of rain fell at the Blue Ridge Landfill. The SOP requires erosion to be repaired within five days of detection; however, the repairs cannot be made within this timeframe due to the wet soil on the slopes. The area in this request is on Phase 3: the **north** slope between grid markers I-XX and 48-56 the **south** slope between grid markers I-TT and 35-42; **west** slope between grid markers I-L and 41-50. Also, Phase 2: west slope between grid markers 16-24 and O-V. Safety and environmental compliance are at the forefront of the Blue Ridge Landfill; therefore, the repairs will be made as soon as possible. Attached is the site grid map.

If you have any questions regarding this request, please feel free to contact me at 713-676-7669.

Sincerely,

A handwritten signature in cursive script that reads "Burgess Stengl".

Burgess Stengl
Environmental Manager

Attachment

Cc: Mark Meadows, Blue Ridge Landfill

REGION 12

ATTACHMENT 2

REGION 12

REGION 12

Manvel Croix Park C84 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Manvel Croix Park C84. Although this is the most current data, it is not considered official until it has been certified by the technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server from 1:15 p.m. to 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time. During Daylight Savings, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Click on the Plot Data button once the tabular report has been generated to open a separate window containing data plots.

Find Site:

Month: Day: Year: Time Format:

Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Wednesday, August 22, 2018**. All times shown are in CST.

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>	0.1	-0.0	0.1	0.1	0.3	0.3	1.2	2.2	1.9	1.2	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	
<u>Nitrogen Dioxide</u>	2.6	2.2	2.1	2.3	2.8	3.0	3.8	4.0	3.8	3.4	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	
<u>Oxides of Nitrogen</u>	2.5	2.0	2.0	2.3	2.8	3.2	4.8	6.0	5.6	4.3	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	
<u>Ozone</u>	4	4	5	4	2	1	1	4	10	15	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	
<u>Wind Speed</u>	2.4	2.1	2.6	1.4	1.6	2.0	1.8	3.2	6.3	6.9	6.3	5.2	4.7	4.1	3.5	3.5	6.1	10.2	7.8	
<u>Resultant Wind Speed</u>	1.2	1.7	2.4	1.2	1.3	1.6	1.6	2.9	6.0	6.5	5.6	4.3	3.6	2.3	1.5	1.6	4.1	9.9	7.7	
<u>Resultant Wind Direction</u>	221	250	249	215	229	270	239	264	279	283	290	310	296	338	247	17	68	147	154	
<u>Maximum Wind Gust</u>	5.5	3.9	6.5	3.1	3.8	3.9	3.9	8.6	11.4	12.2	13.0	11.6	11.8	11.6	9.0	8.8	13.7	17.5	14.1	
<u>Std. Dev. Wind Direction</u>	58	38	22	32	30	36	24	24	19	19	27	33	39	54	61	60	47	13	10	
<u>Outdoor Temperature</u>	81.0	80.8	81.0	80.5	79.7	79.4	80.1	82.1	84.3	86.2	88.2	90.3	92.3	93.7	95.7	96.2	95.8	92.3	88.7	
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.																				

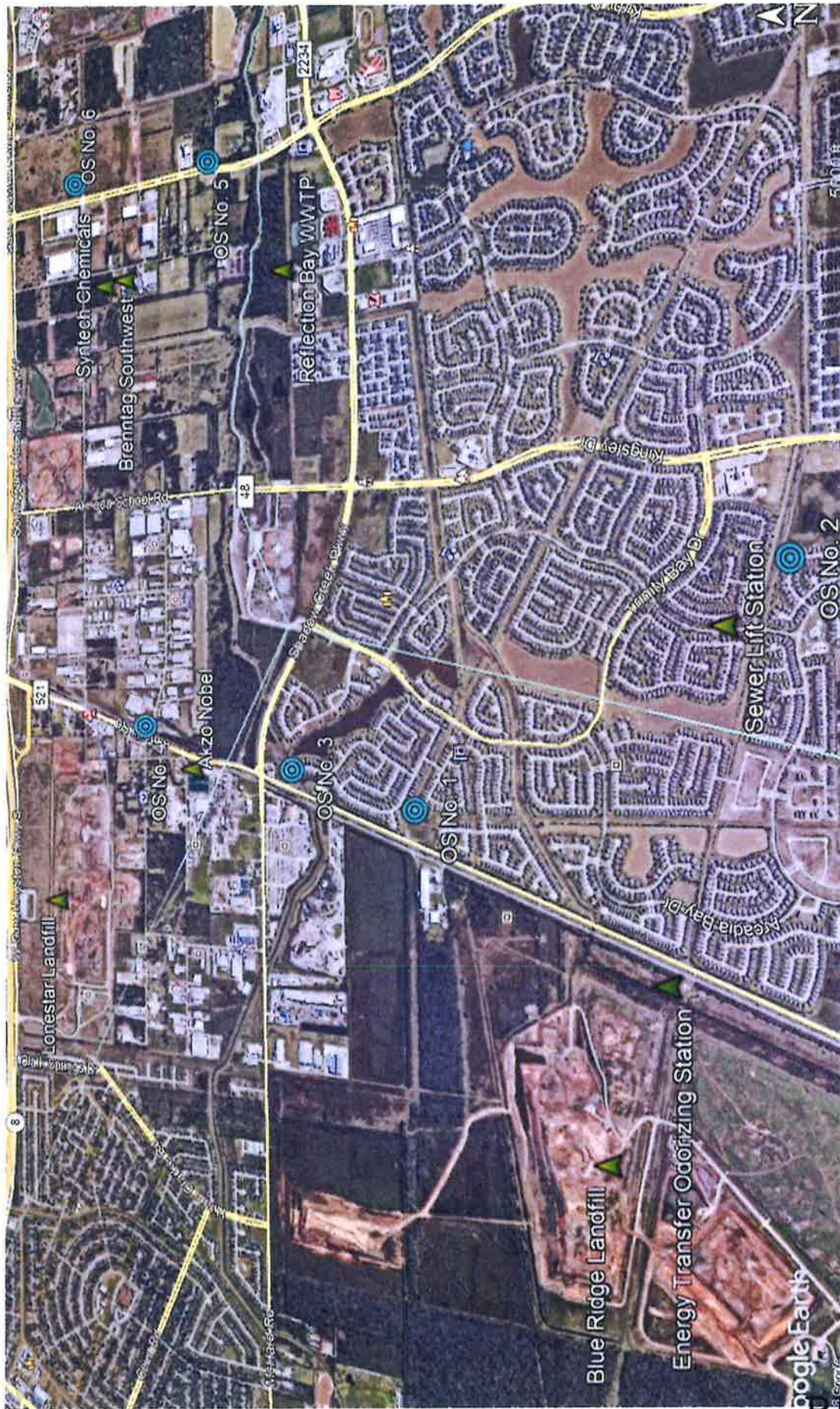
PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is 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



TCEQ Waste Section
August 22, 2018 Odor Surveys

REGION 12

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Loosmore Location: 13000 block of Rainwater Dr.
 Date of Investigation: 8/22/2018 Start Time: 0828h

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: _____

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 Loosmore
 Date of Investigation: 8/22/18

Location: Intersection of Shoalwater Ln & Peldido Bay Ln
 Start Time: 0848ND

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: _____
 Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

REGION 12

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reynold Loosmore
 Date of Investigation: 8/22/18

Location: 1900 block Cayman Bend Lane
 Start Time: 0911 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: _____

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 Loosmore
 Date of Investigation: 8/22/18

Location: Near intersection of Southbell and Dr. R
 Start Time: 0934 hrs
 # 7MS21
RC

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: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

REGION 12

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Lansmore
 Date of Investigation: 8/22/18

Location: Intersection of Kirby Dr & Fringe
 Start Time: 0956 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: _____

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 Loosmore
 Date of Investigation: 8/22/18

Location: near intersection of N. Spectrum Blvd & Kirby Dr
 Start Time: 10:13 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: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

REGION 12

ATTACHMENT 3

REGION 12

REGION 12

COVER APPLICATION LOG

AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³	Elevation MSL	Inspection Date of Daily Cover ⁴	Erosion of Leachable Seep Detected	Date of Erosion Leachable Seep Corrected ⁵	Corrective Action ⁶	Soil Susceptible Required ⁷ (Y/N)	Rain (Inches)	Rain (Inches) ≥ 0.5"	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover ⁸	Erosion ≥ 4" Detected	Date Erosion Corrected ⁹	Corrective Action ⁶	Final Cover Certification Report Reference	Signature Date										
																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
1	750	6" 11"	B	-	-	-	-	47.55	8-2-18	✓		G																									
2	750	6" 11"	B	-	-	-	-	55.62	8-3-18	✓		G																									
3	780	6" 11"	B	-	-	-	-	48.48	8-4-18	✓		R+G																									
4	750	6" 11"	B	-	-	-	-	50.88																													
5	750	6" 11"	B	-	-	-	-	58.62																													
6	750	6" 11"	B	-	-	-	-	60.66																													
7	750	6" 11"	B	-	-	-	-	60.66																													
8	750	6" 11"	B	-	-	-	-	66.74																													
9	780	6" 11"	B	-	-	-	-	74.80																													
10	500	6" 11"	B	-	-	-	-	80.82																													
11	500	6" 11"	B	-	-	-	-	60.67																													
12	250	6" 11"	B	-	-	-	-	67.75																													
13	250	6" 11"	B	-	-	-	-	75.82																													
14	250	6" 11"	B	-	-	-	-	40.48																													
15	750	6" 11"	B	-	-	-	-	48.55																													
16	750	6" 11"	B	-	-	-	-	55.57																													
17	500	6" 11"	B	-	-	-	-	40.48																													
18	500	6" 11"	B	-	-	-	-	49.52																													
19	750	6" 11"	B	-	-	-	-	0.5																													
20	750	6" 11"	B	-	-	-	-																														
21	750	6" 11"	B	-	-	-	-																														
22																																					
23																																					
24																																					
25																																					
26																																					
27																																					
28																																					
29																																					
30																																					
31																																					

AMT = Amount of cover (soil) in yd² 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. 8. 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 sponsored 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 = Sealing

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 yd² 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.

MSW

Month / Year: August 2018

1	
2	Graded to remove erosions Phase II West Slope M.S. 13-20
3	Graded to remove erosions Phase II South Slope A-6/17-27
4	Revised Graded to remove erosions & fill-in on Phase III North Slope 00-55/50-54
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	Remove & Graded to remove erosions SS-WY/48-50 Phase III
16	Remove & Graded to remove erosions on slope SS-WY/40-47 Phase III
17	Remove & Graded to remove rocks top deck Phase III MM-144/48-51
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	

COVER APPLICATION LCG CLASS I NON HAZARDOUS

Class 1

Month / Year: *Nov 2017*

AMT ¹	Daily Cover		Approved Alternate Daily Cover		Elevation MSL	Inspection Date of Daily Cover	Erosion of Intermediate Cover	Date Erosion of Intermediate Cover Corrected ⁴	Corrective Action ⁵	Soil Stockpile Required ⁶ (yd ³)	Rain (inches) ≥ 0.5"	Final Cover	Inspection Date of Final Cover	Erosion Corrected ⁴	Corrective Action ⁵	Final Cover Certification Report Reference	Signature	
	Grid Area	T ²	Method ³	AMT ¹														Grid Area
1	500	H-32	6" B	-	56'	✓					Yes	12" Soil						
2	500	H-32	6" B	-	58'	✓					Yes							
3	500	H-32	6" B	-	60'	✓					Yes							
4	500	T-32	6" B	-	42'	✓					Yes							
5	500	T-32	6" B	-	44'	✓					Yes							
6	500	T-32	6" B	-	46'	✓					Yes							
7	500	T-32	6" B	-	48'	✓					Yes							
8	500	T-32	6" B	-	50'	✓					Yes							
9	500	T-32	6" B	-	52'	✓					Yes							
10	500	T-32	6" B	-	54'	✓					Yes							
11	500	T-32	6" B	-	56'	✓					Yes							
12	500	T-32	6" B	-	58'	✓					Yes							
13	500	T-32	6" B	-	60'	✓					Yes							
14	500	T-32	6" B	-	62'	✓					Yes							
15	500	T-32	6" B	-	64'	✓					Yes							
16	500	T-32	6" B	-	66'	✓					Yes							
17	500	T-32	6" B	-	68'	✓					Yes							
18	500	T-32	6" B	-	70'	✓					Yes							
19	500	T-32	6" B	-	72'	✓					Yes							
20	500	T-32	6" B	-	74'	✓					Yes							
21	500	T-32	6" B	-	76'	✓					Yes							
22	500	T-32	6" B	-	78'	✓					Yes							
23	500	T-32	6" B	-	80'	✓					Yes							
24	500	T-32	6" B	-	82'	✓					Yes							
25	500	T-32	6" B	-	84'	✓					Yes							
26	500	T-32	6" B	-	86'	✓					Yes							
27	500	T-32	6" B	-	88'	✓					Yes							
28	500	T-32	6" B	-	90'	✓					Yes							
29	500	T-32	6" B	-	92'	✓					Yes							
30	500	T-32	6" B	-	94'	✓					Yes							
31	500	T-32	6" B	-	96'	✓					Yes							

AMT¹ = Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area

T² = 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 > 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 II-2 work 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

REGION 12

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	

ATTACHMENT 4

REGION 12

ATTACHMENT 3



P.O. Box 879 Fresno, TX. 77545
o 281 835-6142 f 281 835 6146 republicservices.com

August 20, 2018

Mr. Jason Ybarra, Waste Section Manager
Texas Commission on Environmental Quality
Houston Region Office
5425 Polk St., Ste. H
Houston, TX 77023-1452

Re: Request for Additional Time to Repair Erosion - Weekly Progress Report
Blue Ridge Landfill, 2200 FM 521 Road, Fresno, (Fort Bend County), Texas;
TCEQ MSW Permit 1505A

Dear Mr. Ybarra:

Per your letter dated July 11, 2018 approving additional time to repair erosion, Blue Ridge Landfill, TX, LP ("Blue Ridge") is providing the TCEQ Region 12 office with the fifth weekly progress in implementing the erosion corrective action. During week 4 (8/12/2018 - 8/19/2018), Blue Ridge completed repairs on the north slope of Phase 3 between grid markers SS-YY and 48-50, and between SS-YY and 44-48.

Please contact me at 713-676-7669 if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Burgess Stengl".

Burgess Stengl
Environmental Manager

Attachment

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED
AUG 23 2018
REGION 12

REGION 12

REGION 12



- LEGEND**
- PERMIT BOUNDARY
 - LIMIT OF WASTE
 - EXISTING FILL AREA
 - CELL BOUNDARY
 - EASEMENT BOUNDARY
 - STATE PLANE COORDINATE SYSTEM
 - EXISTING CONTOUR
 - EXISTING LFG MONITORING PROBE
 - EXISTING REMOTE WELLHEAD
 - EXISTING CONDENSATE PUMP STATION
 - EXISTING LFG COLLECTION PIPING
 - EXISTING ISOLATION VALVE
 - EXISTING CONDENSATE SLUMP
 - EXISTING LGR CONNECTION
 - EXISTING HEADER ACCESS RISER
 - EXISTING SOLAR FLARE LOCATION
 - EXISTING PRESSURE TAP
 - EXISTING BLIND FLANGE
 - EXISTING HDPE CAP
 - EXISTING ROAD CROSSING
 - EXISTING AIR SUPPLY LINE
 - EXISTING CONDENSATE FOREMAN
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING LFGE PIPING
 - INSTALLED LFG ISOLATION VALVE
 - INSTALLED HEADER ACCESS RISER
 - INSTALLED HDPE CAP
 - INSTALLED AIR/CONDENSATION VALVE
 - INSTALLED BLIND FLANGE
 - INSTALLED LFG COLLECTION PIPING
 - INSTALLED AIR SUPPLY LINE
 - INSTALLED CONDENSATE FOREMAN
 - ABANDONED LFG EXTRACTION WELL
 - ABANDONED LFG COLLECTION PIPING
 - ABANDONED CONDENSATE FOREMAN
 - ABANDONED ROAD CROSSING
 - ABANDONED CONDENSATE VALVE

NOTE:
 1. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY COOPER AERIAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY PLANNED ON 11-15-2016.

RECORD DRAWING

2016 PHASE II, III, & IV
 LFG SYSTEM EXPANSION
 SITE PLAN
 BLUE RIDGE LANDFILL
 FORT BEND COUNTY, TEXAS

REGION PLANING FOR AERIAL PHOTOGRAPHY USED FOR CONSTRUCTION		DRAWN BY: VCS CHECKED BY: JCS APPROVED BY: JCS	
DATE: 11/15/16	SCALE: AS SHOWN	DATE: 11/15/16	SCALE: AS SHOWN
WEAVER CONSULTANTS GROUP TYPE REGISTRATION NO. F-3727		BLUE RIDGE LANDFILL TX, LP	
REVISIONS NO. DATE DESCRIPTION		DRAWING NO.	

WWW.WCGRP.COM DRAWING 1

REGION 12



P.O. Box 879 Fresno, TX, 77545
o 281 835 6142 | 281 835 6146 republicservices.com

August 27, 2018

Mr. Jason Ybarra, Waste Section Manager
Texas Commission on Environmental Quality
Houston Region Office
5425 Polk St., Ste. H
Houston, TX 77023-1452

Re: Request for Additional Time to Repair Erosion - Weekly Progress Report
Blue Ridge Landfill, 2200 FM 521 Road, Fresno, (Fort Bend County), Texas;
TCEQ MSW Permit 1505A

Dear Mr. Ybarra:

Per your letter dated July 11, 2018 approving additional time to repair erosion, Blue Ridge Landfill, TX, LP ("Blue Ridge") is providing the TCEQ Region 12 office with the sixth weekly progress in implementing the erosion corrective action. During week 6 (8/20/2018 – 8/26/2018), Blue Ridge completed all repairs on Phase 2.

Please contact me at 713-676-7669 if you have any questions.

Sincerely,

Burgess Stengl
Environmental Manager

Attachment

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED
AUG 29 2018
REGION 12

REGION 12

REGION 12



- LEGEND**
- PERMIT BOUNDARY
 - - - LIMIT OF WASTE
 - - - EXISTING FILL AREA
 - - - CELL BOUNDARY
 - - - EASEMENT BOUNDARY
 - - - STATE PLANE COORDINATE SYSTEM
 - - - EXISTING CONTOUR
 - - - EXISTING LFG MONITORING PROBE
 - - - EXISTING REMOTE WELHEAD
 - - - EXISTING CONDENSATE PUMP STATION
 - - - EXISTING LFG COLLECTION PIPING
 - - - EXISTING ISOLATION VALVE
 - - - EXISTING CONDENSATE SUMP
 - - - EXISTING LGR CONNECTION
 - - - EXISTING HEADER ACCESS RISER
 - - - EXISTING SOLAR FLARE LOCATION
 - - - EXISTING PRESSURE TAP
 - - - EXISTING BLIND FLANGE
 - - - EXISTING HDPE CAP
 - - - EXISTING ROAD CROSSING
 - - - EXISTING AIR SUPPLY LINE
 - - - EXISTING CONDENSATE FORCEMAIN
 - - - EXISTING AIR/CONDENSATE VALVE
 - - - EXISTING LFGE PIPING
 - - - INSTALLED LFG ISOLATION VALVE
 - - - INSTALLED HEADER ACCESS RISER
 - - - INSTALLED HDPE CAP
 - - - INSTALLED AIR/CONDENSATION VALVE
 - - - INSTALLED BLIND FLANGE
 - - - INSTALLED LFG COLLECTION PIPING
 - - - INSTALLED AIR SUPPLY LINE
 - - - INSTALLED CONDENSATE FORCEMAIN
 - - - ABANDONED LFG EXTRACTION WELL
 - - - ABANDONED LFG COLLECTION PIPING
 - - - ABANDONED CONDENSATE FORCEMAIN
 - - - ABANDONED ROAD CROSSING
 - - - ABANDONED CONDENSATE VALVE

NOTE:
 1. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY THE ENGINEER ARE BASED ON AERIAL PHOTOGRAPHY DATED 11-15-2016.
 2. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY THE ENGINEER ARE BASED ON AERIAL PHOTOGRAPHY DATED 11-15-2016.

RECORD DRAWING

2016 PHASE II, III, & IV
 LFG SYSTEM EXPANSION
 SITE PLAN
 BLUE RIDGE LANDFILL
 FORT BEND COUNTY, TEXAS

<input type="checkbox"/> OWNER/ISSUES <input type="checkbox"/> SUBMITTAL/ISSUES ONLY <input type="checkbox"/> TRADE FOR CONSTRUCTION	PREPARED FOR BLUE RIDGE LANDFILL TX, LP
DRAWN BY: [] CHECKED BY: [] DATE: []	REVIEWED BY: [] DATE: []
DATE: [] SCALE: [] REVISION: []	REVISION: [] DESCRIPTION: []

Weaver Consultants Group
 ENGINEERING REG. NO. P-3727

REGION 12