

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 23, 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.: 1507072

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on July 24, 25, 26, 27, 30, 31 and August 1, 2, 3, and 7, 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 7, 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/rsv

MSW PA_1505A_CP_20180807_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 # 1507072

Incident Numbers

289137	289083
289103	289307
289108	289128
289074	289145
289357	289134
289311	289078
289309	289080
289119	289106
289147	289120
289072	289356
289138	289355
289127	289085
289122	289313
289131	289312
289124	289348
289349	289353
289070	289310
289073	289129
289105	289064
289141	289132
289314	289075
289084	289066
289351	289077
289133	289130
289144	289081

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 08/07/2018 -- 08/13/2018

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): MSWCMPL - Investigation of MSW
complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

BLUE RIDGE LANDFILL - FRESNO**8/7/2018 to 8/13/2018 Inv. # - 1507072****Page 2 of 5****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

Other Staff Member(s):

Role	Name
QA Reviewer	BETHANY BATCHELOR
Supervisor	ALMA JEFFERSON

Associated Check List

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

Investigation Comments:**INTRODUCTION**

On July 24, 25, 26, 27, 30, 31 and August 1, 2, 3 and 7, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 89 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 July 24, 25, 26, 27, 28, 30, 31 and August 1, 2, 3 and 7, 2018.

On August 7, 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 the area surrounding it.

BACKGROUND

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

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 July 23, 30 and August 9, 2018 are further discussed in the Additional Information section.

GENERAL FACILITY AND PROCESS INFORMATION

BLUE RIDGE LANDFILL - FRESNO

8/7/2018 to 8/13/2018 Inv. # - 1507072

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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. 289064, 289066, 289070, 289072, 289073, 289074, 289075, 289077, 289078, 289080, 289081, 289083, 289084, 289085, 289103, 289105, 289106, 289108, 289119, 289120, 289122, 289124, 289127, 289128, 289129, 289130, 289131, 289132, 289133, 289134, 289137, 289138, 289141, 289144, 289145, 289147, 289307, 289309, 289310, 289311, 289312, 289313, 289314, 289348, 289349, 289351, 289353, 289355, 289356, 289357, 289359, 289361, 289362, 289363, 289371, 289374, 289379, 289384, 289387, 289389, 289390, 289391, 289458, 289459, 289460, 289461, 289462, 289463, 289466, 289467, 289468, 289469, 289470, 289471, 289472, 289474, 289475, 289685, 289694, 289695, 289697, 289699, 289700, 289709, 289710, 289711, 289715, 289718 and 289859. Some of the incidents for this complaint are included in Data Maintenance File Review No. 1507171.

Description of Alleged Effects:

Nausea, headaches, sinus problems, sleeplessness, irritation of the eyes, nose/throat and discomfort were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: August 7, 2018

Wind Direction: south

Wind Speed: average 6 mph

Outdoor Temperature: 84.6 – 87.7 °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 8:03 a.m., downwind of BRL at the intersection of McHard Road and Amy Ridge Road in Houston. No odors were detected during the 15 minutes spent at OS No. 1.

OS No. 2, located near the intersection of Autumn Falls Drive and Misting Falls Lane in Pearland and crosswind of the Sewer Lift Station, was conducted at 8:29 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3, located at the 4000 block of Miramichi Court in Houston and downwind of Lone Star Landfill, was conducted at 9:01 a.m. Garbage odors were intermittently detected during two (2) of the 15 minutes spent at OS No. 3, averaging to a very light intensity.

OS No. 4, located at the 3800 block of Bluebonnet Drive in Houston and downwind of Akzo Nobel Surface Chemistry (Akzo) and upwind of Lone Star Landfill, was conducted at 9:28 a.m. Sweet chemical/solvent odors were intermittently detected during one (1) of the 15 minutes spent at OS No. 4, averaging to a very light intensity.

OS No. 5, located at 1801 Kingsley Drive in Pearland and crosswind of the Reflection Bay Wastewater Treatment Plant (WWTP), was conducted at 9:53 a.m. No odors were detected during the 15 minutes spent at OS No. 5.

BLUE RIDGE LANDFILL - FRESNO

8/7/2018 to 8/13/2018 Inv. # - 1507072

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OS No. 6, located near the 600 block of W Riley Road in Pearland and downwind of Brenntag Southwest/Syntech Chemicals, was conducted at 10:18 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 July 1 to August 6, 2018 (Attachment 3). The cover logs indicate that soil is applied to the working faces as required.

Description of Odor:

Garbage and sweet chemical/solvent 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:

While off-site, the investigator detected odors from the directions of Lone Star Landfill and Akzo.

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", and sweet chemical/solvent odor (such as ketones, esters and alcohols) is characterized as "not unpleasant". Landfill garbage and/or gas/leachate 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 July 23, 2018, a letter (Attachment 4) was received from BRL, dated July 19, 2018 regarding the facility's progress to repair erosion. According to the letter, BRL was not able to complete repairs on the referenced slopes.

On July 30, 2018, a letter (Attachment 4) was received from BRL, dated July 27, 2018. According to the letter, BRL completed repairs on the north slope of Phase 3 between grid markers LL-QQ and 51-55, and between WW-ZZ and 51-55.

During the site investigation, the investigator noted that the repairs had been completed between grid markers LL-QQ and 51-55, and between WW-ZZ and 51-55 by restoring cover material and grading.

On August 9, 2018, a letter (Attachment 4) was received from BRL, dated August 3, 2018. According to the letter, BRL completed repairs on the south slope of Phase 3 between grid markers Y-DD and 37-41, and between T-Y and 37-41.

CONCLUSION

BLUE RIDGE LANDFILL - FRESNO

8/7/2018 to 8/13/2018 Inv. # - 1507072

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According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on August 7, 2018. The complaints are closed.

No Violations Associated to this Investigation

Signed 
Environmental Investigator

Date 8/23/18

Signed Alma L. Jefferson
Supervisor

Date 08/23/2018

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

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 # 1507171

Incident Numbers

289699	289709
289469	289391
289374	289362
289384	289710
289695	289463
289470	289694
289685	289718
289363	289697
289471	289379
289472	289859
289389	289466
289458	289715
289467	289459
289390	289474
289359	289460
289387	289711
289461	289475
289371	289700
289468	289361
289462	

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 08/07/2018 -- 08/13/2018

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Data Maintenance File Review

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,
FRESNO, TX , 77545

Local Unit:
Activity Type(s):

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

BLUE RIDGE LANDFILL - FRESNO

8/7/2018 to 8/13/2018 Inv. # - 1507171

Page 2 of 2

Role	Title	Name	Phone
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Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
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Investigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1507072.

No Violations Associated to this Investigation

Signed


Environmental Investigator

Date

8/23/18

Signed


Supervisor

Date

08/23/2018

Attachments: (in order of final report submittal)

___ Enforcement Action Request (EAR)

___ Maps, Plans, Sketches

___ Letter to Facility (specify type) : _____

___ Photographs

___ Investigation Report

___ Correspondence from the facility

___ Sample Analysis Results

___ Other (specify) : _____

___ Manifests

___ Notice of Registration

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on August 7, 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: July and August 2018 Cover Logs

Attachment 4: Erosion Repair Letters Received on July 23, 30 and August 9, 2018

ATTACHMENT 1

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, appearing to read "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.

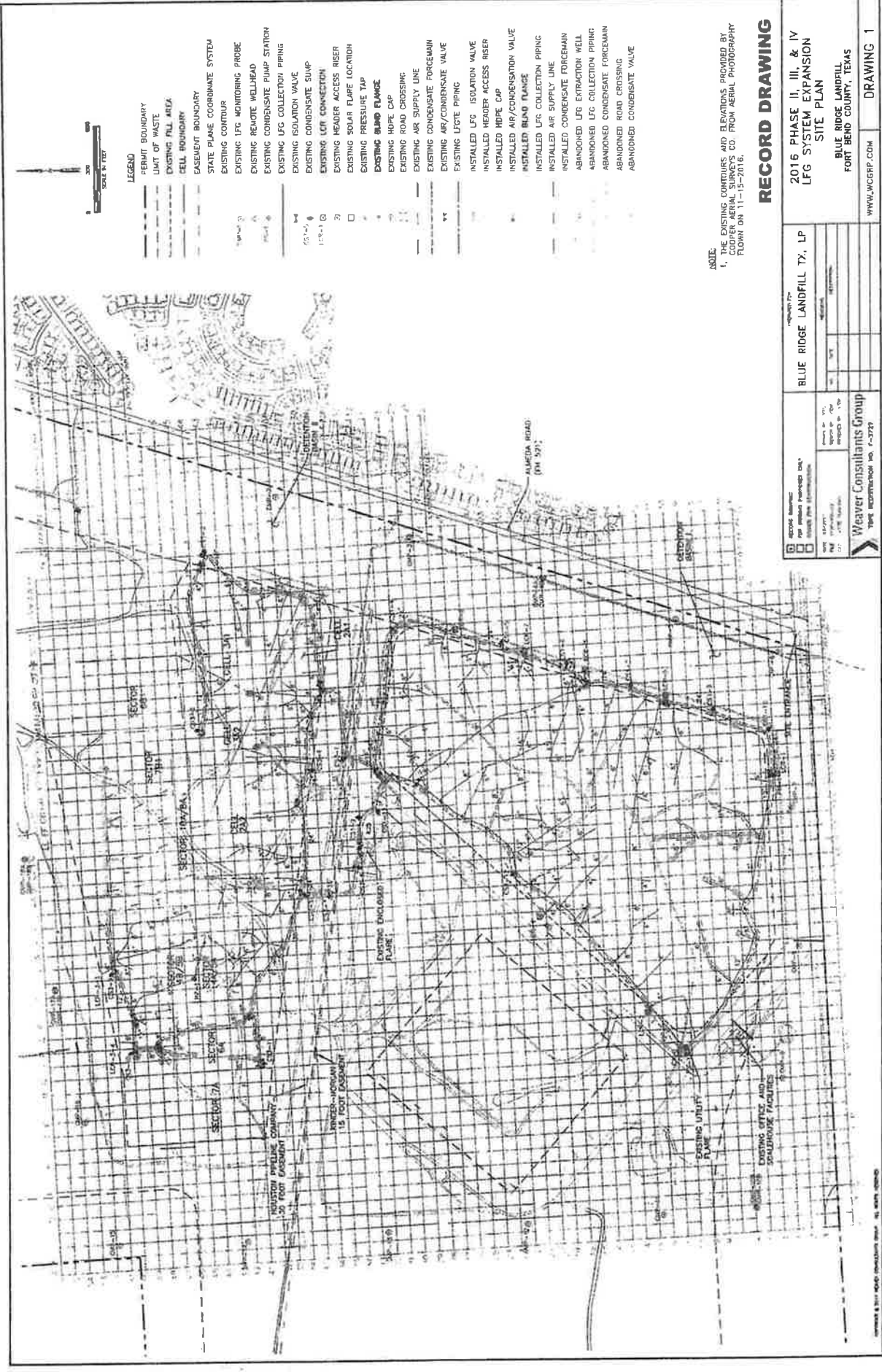
Sincerely,

A handwritten signature in dark ink, appearing to read "Burgess Stengl". The signature is fluid and cursive, written over the printed name.

Burgess Stengl
Environmental Manager

Attachment

Cc: Mark Meadows, Blue Ridge Landfill



NOTE:
1. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY
COPPER AERIAL SURVEY'S CO. FROM AERIAL PHOTOGRAPHY
FLOW ON 11-15-2016.

RECORD DRAWING

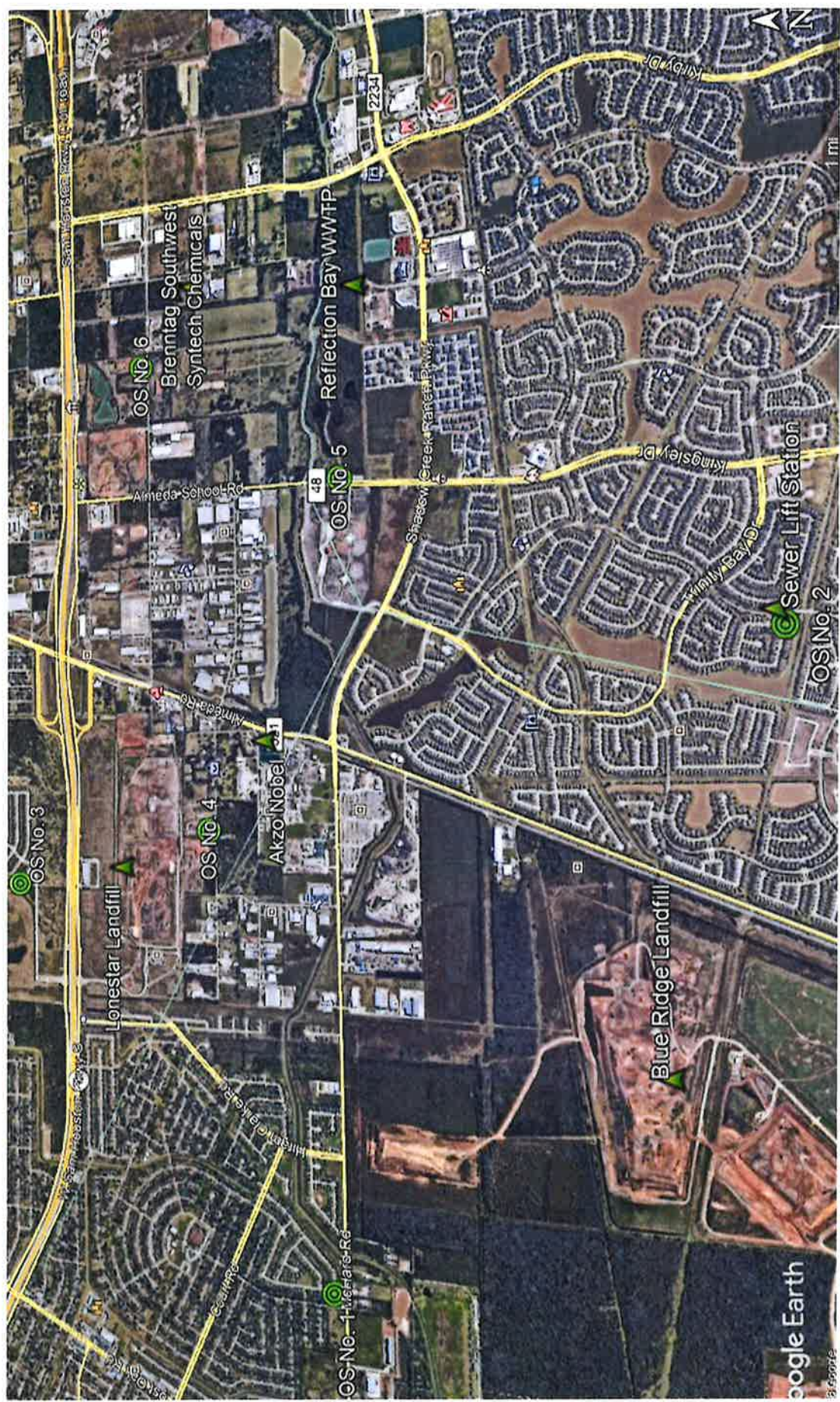
2016 PHASE II, III, & IV
LFG SYSTEM EXPANSION
SITE PLAN

BLUE RIDGE LANDFILL
FORT BEND COUNTY, TEXAS

WWW.WCGRP.COM DRAWING 1

RECORD DRAWING	PROJECT NO.	DATE	BY	CHECKED
2016 PHASE II, III, & IV LFG SYSTEM EXPANSION SITE PLAN	BLUE RIDGE LANDFILL TX, LP	11/15/2016	J. W. WEAVER	J. W. WEAVER
Weaver Consultants Group 10000 W. 10th Street, Suite 100, Fort Worth, TX 76132 Phone: 817.335.1111 Fax: 817.335.1112 www.weaverconsultants.com				

ATTACHMENT 2



TCEQ Waste Section

August 7, 2018 Odor Surveys

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>	-0.0	0.0	0.2	0.2	1.3	6.1	10.9	3.3	0.8	0.1	0.1	0.0	0.0	0.8	0.7	0.5	0.5	0.6	0.5	
<u>Nitrogen Dioxide</u>	2.9	3.7	3.6	2.8	6.4	8.0	6.7	5.0	2.6	1.6	1.4	1.4	1.0	5.1	3.0	2.7	2.9	3.4	5.4	
<u>Oxides of Nitrogen</u>	2.8	3.7	3.8	2.9	7.6	14.0	17.4	8.2	3.3	1.6	1.4	1.4	1.0	5.9	3.7	3.2	3.4	3.9	5.9	
<u>Ozone</u>	8	7	4	1	0	0	0	10	16	22	25	28	27	22	22	19	16	15	12	
<u>Wind Speed</u>	2.3	2.1	0.9	0.9	1.5	1.3	0.9	2.7	4.3	4.9	8.6	8.4	5.3	7.6	7.7	4.7	5.0	5.7	6.1	
<u>Resultant Wind Speed</u>	2.3	2.0	0.3	0.5	1.5	1.3	0.5	2.1	3.8	4.4	8.1	7.7	3.7	7.1	7.5	4.4	4.7	5.5	6.0	
<u>Resultant Wind Direction</u>	130	125	118	60	106	102	35	170	179	185	169	166	221	135	167	133	116	134	148	
<u>Maximum Wind Gust</u>	4.5	3.8	1.9	1.7	3.2	2.4	2.5	7.1	8.9	9.1	15.2	15.0	22.6	22.3	23.7	9.4	9.4	10.3	10.8	
<u>Std. Dev. Wind Direction</u>	11	16	69	54	12	11	55	37	28	28	19	22	45	19	14	19	18	16	11	
<u>Outdoor Temperature</u>	77.1	76.8	76.5	76.6	77.0	77.0	77.8	82.2	84.6	86.6	87.7	90.0	88.7	78.6	79.0	84.9	84.9	84.9	83.9	
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

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reynold Loosmore
Date of Investigation: 8/7/18

Location: Intersection of Mulford Rd & Amy Ridge Rd
Start Time: 0803 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	
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21	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
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42	
43	
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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: Rayny Loosmore
Date of Investigation: 8/7/18

Location: Intersection of Autumn Falls Ln & Misting Falls Ln
Start Time: 0829 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	
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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: Reyni Loosmore
Date of Investigation: 8/7/2018

Location: 4000 block of Miramichi Court
Start Time: 0901 hrs

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No Odor
2	No Odor
3	VL
4	No Odor
5	No Odor
6	No Odor
7	VL
8	No Odor
9	No Odor
10	No Odor
11	No Odor
12	No Odor
13	No Odor
14	No Odor
15	No Odor
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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34	
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Odor Description: Garbage

Offensiveness: Highly _____ Offensive ☒ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity: 0.13

	VS	S	M	L	VL	No Odor
1 Min					2X1	
10 Min						
1 Hour						

Supplemental Investigator's Odor Intensity Time Log

Investigator: Keyna Loosmore
Date of Investigation: 8/7/18

Location: 3800 block of Bluechannel Dr
Start Time: 0928 hrs

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No Odor
2	No Odor
3	No Odor
4	No Odor
5	VL
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
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
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Odor Description: Sweet chemical/solvent

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 Loosmore

Location: 1801 Kingsley Dr

Date of Investigation: 8/7/18

Start Time: 0953hrs

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
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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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 Loosmore

Location: 600 block of W Riley Road

Date of Investigation: 8/7/18

Start Time: 1018 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
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
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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 3

COVER APPLICATION LOG

MSW

Month / Year: July 2018

Daily Cover		Approved Alternate Daily Cover		Elevation		Inspection Date of Daily Cover ⁴	Erosion of Leachate Seep Detected ⁵	Date Erosion or Leachate Seep Corrected ⁶	Corrective Action ⁷	Soil Stockpile ⁸ (yd ³)	Rain (inches) ≥ 0.5"	Intermediate Cover		Final Cover		Inspection Date of Intermediate & Final Cover ⁹	Erosion ≥ 4" Detected	Date Erosion Corrected ¹⁰	Corrective Action ¹¹	Final Cover Certification Report Reference	Supervisor Signature ¹²
Grid Area	6" Soil	Spray-On or Tarp	T ¹	Method ²	MSL							Grid Area	T ¹	Method ²	Grid Area	T ¹					
1	AMT ³																				
2	750	34-44	6"	B	-	-															
3	750	34-44	6"	B	-	-															
4	750	34-44	6"	B	-	-															
5	750	34-44	6"	B	-	-															
6	750	34-44	6"	B	-	-															
7	550	34-44	6"	B	-	-															
8	750	34-44	6"	B	-	-															
9	750	34-44	6"	B	-	-															
10	750	34-44	6"	B	-	-															
11	750	34-44	6"	B	-	-															
12	750	34-44	6"	B	-	-															
13	750	34-44	6"	B	-	-															
14	550	34-44	6"	B	-	-															
15	750	34-44	6"	B	-	-															
16	750	34-44	6"	B	-	-															
17	750	34-44	6"	B	-	-															
18	750	34-44	6"	B	-	-															
19	750	34-44	6"	B	-	-															
20	750	34-44	6"	B	-	-															
21	500	34-44	6"	B	-	-															
22	750	34-44	6"	B	-	-															
23	750	34-44	6"	B	-	-															
24	750	34-44	6"	B	-	-															
25	750	34-44	6"	B	-	-															
26	750	34-44	6"	B	-	-															
27	750	34-44	6"	B	-	-															
28	500	34-44	6"	B	-	-															
29	750	34-44	6"	B	-	-															
30	750	34-44	6"	B	-	-															
31	750	34-44	6"	B	-	-															

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

Methods: A = Tarp Machine, B = Soil by Heavy Equipment, S = Spray-On

Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event of 0.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.18. Additional documentation area on back of form.

Erosion of daily cover must be corrected within 24 hours after the area is accessible. Erosion of intermediate or final cover must be corrected within 5 days of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation stating reasons for delay.

Corrective Action: R = Restoring cover material, G = Grid ng, M = Compacting, S = Seeding
30P 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 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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18	Graded to Repair Erosion Phase III North Slope RR-WW / 51-55
19	Coupled Graded to Repair Erosion Phase III North Slope LL-QQ / 51-55
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23	Graded to Repair Pits Phase III Top Deck LL-PQ / 47-50
24	Graded to Repair Erosion's Phase III North Slope WW-22 / 51-55
25	Graded to Repair Pits Phase III Top Deck SS-WW / 45-50
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30	Graded to Repair Erosion's Phase III South Slope Y-DD / 37-41
31	Graded to Repair Erosion's Phase III South Slope T-Y / 37-41

COVER APPLICATION LOG

MSW

Month / Year August 2008

Daily Cover	Approved Alternate Daily Cover		Elevation		Inspection Date of Daily Cover ¹	Erosion or Leachate Detected		Corrective Action ⁴	Soil Stockpile Required ⁵ (yd ³)	Rain (inches) 2.0-5"	Rain (inches) >5"	Intermediate Cover		Final Cover		Inspection Date of Intermediate & Final Cover ⁶	Erosion or Leachate Detected	Date Erosion Corrected ⁷	Corrective Action ⁸	Final Cover Completion Date	Supervisor Signature ⁹
	6" Soil	Spray-On or Tarps	MSL	MSL		Yes	No					12" Soil	T ²	Method ³	Method ³						
1	750 32-48	6" B	—	—	47.55	✓												8-2-18	G		
2	150 32-48	6" B	—	—	55.62	✓												8-3-18	G		
3	200 32-48	6" B	—	—	40.48	✓												8-4-18	R+G		
4	500 32-48	6" B	—	—	48.50	✓															
5	750 32-48	6" B	—	—	50.58	✓															
6	750 32-48	6" B	—	—	50.58	✓															
7																					
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AMT¹ = 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	Graded to Repair Erosions Phase II West Slope M-5/13-20
3	Graded to Repair Erosions Phase II South Slope A-G/17-27
4	Revised & Graded to Repair Erosions & Drainage on Phase III North Slope 00-55/50-54
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Blue Ridge Landfill, MSW-1505A

DAILY RIDGE LANDFILL, MW-11-10024																				Month / Year: 5/04/2018																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Daily Cover				Approved Alternates Daily Cover				Elevation		Inspection		Erosion or		Date		Corrective		Soil		Rain		Intermediate Cover				Final Cover		Inspection		Erosion		Date Erosion		Corrective		Final Cover		Supervisor Signature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
6" Soil				Spray-On or Tarps				MSL		Date of Daily Cover ^a		Leachate Detected		Leachate Detected		Action ^a		Stockpile Required ^b (yd ³)		(inches) ≥ 0.5"		12" Soil				Per Final Closure Plan		Date of Intermediate & Final Cover ^a		Detected		Action ^a		Certification Report Reference																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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AMT^f = 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 (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 yd³ soil stockpile is required within 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

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

Month / Year: August 2011[illegible]

ATTACHMENT 4



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

July 19, 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 first weekly progress in implementing the erosion corrective action. During week 1 (7/11/2018 - 7/18/2018), Blue Ridge was not able to complete repairs on the referenced slopes.

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

Sincerely,

Burgess Stengl
Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED

JUL 23 2018

REGION 12



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

July 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 second weekly progress in implementing the erosion corrective action. During week 2 (7/19/2018 - 7/25/2018), Blue Ridge completed repairs on the north slope of Phase 3 between grid markers LL-QQ and 51-55, and between WW-ZZ and 51-55.

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

Sincerely,

Burgess Stengl
Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED
JUL 30 2018
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 SUMP
 - EXISTING LGR CONNECTION
 - EXISTING HEADER ACCESS RISER
 - EXISTING SOLAR FLARE LOCATION
 - EXISTING PRESSURE TAP
 - EXISTING BLIND FLANGE
 - EXISTING HOPE CAP
 - EXISTING ROAD CROSSING
 - EXISTING AIR SUPPLY LINE
 - EXISTING CONDENSATE FORCEMAIN
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING LFG PIPING
 - INSTALLED LFG ISOLATION VALVE
 - INSTALLED HEADER ACCESS RISER
 - INSTALLED HOPE 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 COOPER AERIAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY - LOWIN CN 11-15-2016.

RECORD DRAWING

RECORD DRAWING <input type="checkbox"/> FOR RECORD PURPOSES ONLY <input type="checkbox"/> USED FOR CONSTRUCTION		BLUE RIDGE LANDFILL TX, LP SHEET NO. 105 REGION NO. 105 DATE 08/2016 FILE 005-00-05 DATE 08/2016		2016 PHASE II, III, & IV LFG SYSTEM EXPANSION SITE PLAN BLUE RIDGE LANDFILL FORT BEND COUNTY, TEXAS	
Weaver Consultants Group TITLE REGISTRATION NO. F-3737		DRAWN BY: JES CHECKED BY: JES DATE: 08/2016		NO. 105 DATE 08/2016 DESCRIPTION	
WWW.WCGRP.COM		DRAWING 1			



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

August 3, 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 third weekly progress in implementing the erosion corrective action. During week 3 (7/26/2018 - 8/2/2018), Blue Ridge completed repairs on the south slope of Phase 3 between grid markers Y-DD and 37-41, and between T-Y and 37-41.

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 09 2018
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 SUMP
 - EXISTING LCR CONNECTION
 - EXISTING HEADER ACCESS RISER
 - EXISTING SOLAR FLARE LOCATION
 - EXISTING PRESSURE TAP
 - EXISTING BLIND FLANGE
 - EXISTING HOPE CAP
 - EXISTING ROAD CROSSING
 - EXISTING AIR SUPPLY LINE
 - EXISTING CONDENSATE FORCEMAIN
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING LFG PIPING
 - INSTALLED LFG ISOLATION VALVE
 - INSTALLED HEADER ACCESS RISER
 - INSTALLED HOPE 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 COOPER AERIAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY FLOWN ON 11-15-2016.

RECORD DRAWING

RECORD DRAWING FOR RECORD PURPOSES ONLY NOT FOR CONSTRUCTION	DATE: 04/20/21 BY: J. L. WEAVER FOR: THE CLIENT	OWNER: WCC PROJECT: BLUE RIDGE LANDFILL TX, LP LOCATION: FORT BEND COUNTY, TEXAS	WEAVER CONSULTANTS GROUP TYPE REGISTRATION NO. F-3727	REVISIONS	
				NO.	DESCRIPTION
				1	DATE
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**2016 PHASE II, III, & IV
LFG SYSTEM EXPANSION
SITE PLAN**
BLUE RIDGE LANDFILL
FORT BEND COUNTY, TEXAS
WWW.WCGRP.COM
DRAWING 1

