

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 13, 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.: 1493357


Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on May 18, 22, 23, 29, 30, 31 and June 5, 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 May 31, 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,


Alma L. Jefferson, Team Leader
Waste Section
Houston Region Office

ALJ/RLL/rsv

MSW PA_1505A_CP_20180531_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 # 1493357

Incident Numbers

285106	285427
285410	285438
285429	285671
285673	285451
284419	285043
286149	285075
285682	285687
285404	285459
285679	285676
285435	285412
285064	286150
285444	284415
285456	285680
285670	285683
284422	285397
285675	285413
285407	285102
285424	285431
285688	284330
285109	285428
285408	285048
285426	285035
285447	285684
285666	285104
285677	284417

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 05/31/2018 -- 07/09/2018

NAIC Code: 486210

SIC Code: 1521

SIC Code: 4922

SIC Code: 4953

NAIC Code: 562212

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	
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	OPERATIONS MANAGER	MR MATT MONTAGNA	Office	(281) 668-9739
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone Cell	(281) 835-6142 (832) 835-8839
PARTICIPATED IN	DIVISIONS MANAGER	MR MARK MEADOWS	Phone	(281) 668-9739

Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON
Investigator	KATIE PHILLIPS
QA Reviewer	KATIE PHILLIPS

Associated Check List

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

Investigation Comments:

INTRODUCTION

On May 18, 22, 23, 29, 30, 31, and June 5, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 50 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 May 18, 21, 22, 25, 26, 27, 28, 29, and 31, 2018.

On May 31, 2018, Ms. Reyna L. Loosmore and Ms. Katie Phillips, Environmental Investigators 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 schedule within it.

By letter to the TCEQ Houston Region Office dated May 30, 2018, BRL requested additional time to repair erosion caused by 1.5 inches of rain from May 26 and 27, 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 June 6, 2018 (Attachment 1). Erosion letters received on June 14 and 22, 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 surrounding land use includes industrial facilities and residential subdivisions.

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 am to 5:00 pm, and Saturdays from 5:30 am to 12:00 pm. The surrounding land use includes industrial facilities and residential subdivisions.

Complainant Information:

See confidential files (TCEQ Incident Nos. 284330, 284415, 284417, 284419, 284422, 285035, 285043, 285048, 285064, 285075, 285102, 285104, 285106, 285109, 285397, 285404, 285407, 285408, 285410, 285412, 285413, 285424, 285426, 285427, 285428, 285429, 285431, 285435, 285438, 285444, 285447, 285451, 285456, 285459, 285666, 285670, 285671, 285673, 285675, 285676, 285677, 285679, 285680, 285682, 285683, 285684, 285687, 285688, 286149, and 286150.

Description of Alleged Effects:

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

Meteorological data at the time of the odor survey:

Date: May 31, 2018

Wind Direction: south

Wind Speed: average 10 mph

Outdoor Temperature: average 88 °F

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

Odor Survey (OS):

The investigators conducted OS No. 1 at 9:20 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 at the intersection of Arbor Gate Lane and Canyon Ranch Drive in Pearland and upwind of the Sewer Lift Station was conducted at 10:08 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3 located at the 12400 block of Shadow Creek Ranch Parkway in Pearland and upwind of the Reflection Bay Wastewater Treatment Plant (WWTP)/Brenntag Southwest/Syntech Chemicals was conducted at 10:38 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

OS No. 4 located at the 4200 block of Bluebonnet Drive in Houston and upwind of Lonestar Landfill and downwind of Akzo Nobel Surface Chemistry was conducted at 11:09 a.m. No odors were detected during the 15 minutes spent at OS No. 4.

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

Summary of the on-site investigation:

Following the odor survey, the investigators arrived at BRL and met with Mr. Matt Montagna, Operations Manager; Mr. Chance Seely, Environmental Specialist; and Mr. Mark Meadows, Division Manager, 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 investigators to the MSW and Class 1 working faces, by which piles of soil were observed. The investigators obtained a copy of the cover log from May 1 through 30, 2018 (Attachment 3). The cover log indicated that soil is applied to the MSW face 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 investigators.

Description of the Terrain Features of the Area:

Terrain is flat with residences and businesses.

Location of the Source of the Odor:

No odors were detected off-site by the investigators.

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

According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive" and the odor of landfill gas/leachate is characterized as "highly offensive." The landfill odors were previously detected coming from the direction of BRL on March 6, April 12 and 25, May 9, 15, 16, and 17, 2018. Therefore, the frequency of odors documented by the investigators is a weekly occurrence.

ADDITIONAL INFORMATION

On June 18, 2018, a letter (Attachment 4) was received from BRL, dated June 14, 2018, regarding the facility's progress to repair erosion. According to the letter, BRL has completed repairs on the south slope of Phase 3 between grid markers I-VV and 34-37, the west slope of Phase 3 between grid markers I-L and 41-47, and the north slope of Phase 3 between grid markers X-ZZ and 48-56.

On June 26, 2018, a letter (Attachment 4) was received from BRL dated June 22, 2018. According to the letter, BRL has completed repairs on the west slope of Phase 3 between grid markers I-L and 47-51 and the north slope of Phase 3 between grid markers H-X and 48-56. These repairs complete the June 6, 2018 extension areas.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on May 31, 2018. The complaints are closed.

No Violations Associated to this Investigation

BLUE RIDGE LANDFILL - FRESNO

5/31/2018 to 7/9/2018 Inv. # - 1493357

Page 5 of 5

Signed 
Environmental Investigator

Date 07/12/18

Signed Alma L. Jefferson
Supervisor

Date 07/13/2018

Attachments: (in order of final report submittal)

Enforcement Action Request (EAR)

Letter to Facility (specify type) : Nonreturn 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 May 31, 2018**

List of Attachments

- Attachment 1:** May 30, 2018 Request to Repair Erosion and June 6, 2018 TCEQ Approval Letter
- Attachment 2:** Meteorological Information, Map of Odor Survey locations and Odor Logs
- Attachment 3:** May 2018 Cover Logs
- Attachment 4:** Erosion Repair Correspondence from Facility Received on June 18 and 26, 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

June 6, 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 May 30, 2018, requesting additional time to repair erosion caused by rain on May 26 and 27, 2018 at the Blue Ridge Landfill. During that period, approximately 1.5 inches of rain fell. The areas in the requests are identified as located as follows:

1. **North** slope between grid markers H-XX and 47-56;
2. **South** slope between grid markers I-TT and 34-42; and
3. **West** slope between grid markers I-L and 41-51.

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 May 30, 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

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customersurvey

printed on recycled paper



May 30, 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 May 26 and 27, 2018. During that period of time, approximately 1.5 inches of rain fell. 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: the **north** slope between grid markers H-XX and 47-56 the **south** slope between grid markers I-TT and 34-42; **west** slope between grid markers I-L and 41-51. Safety and environmental compliance are at the forefront of the Blue Ridge Landfill; therefore, the repairs will be made as soon as possible.

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

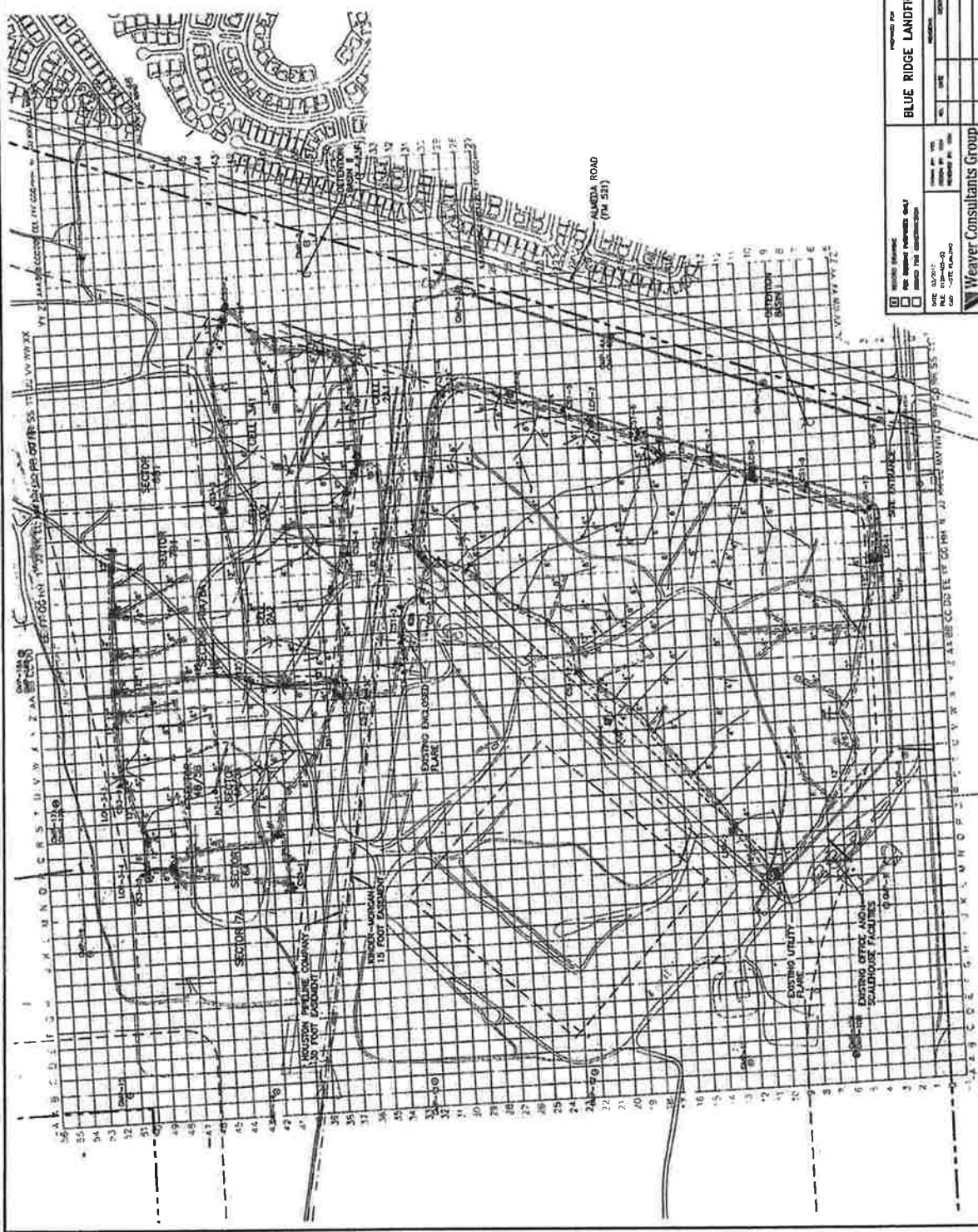
Sincerely,

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

Burgess Stengl
Environmental Manager

Cc: Matt Montagna, Blue Ridge Landfill

RECEIVED
MAY 31 2018
REGION 12



- LEGEND**
- PERMIT BOUNDARY
 - LIMIT OF WASTE
 - EXISTING FILL AREA
 - CELL BOUNDARY
 - FACILITY BOUNDARY
 - STATE PLANE COORDINATE SYSTEM
 - EXISTING CONTOUR
 - EXISTING LFG MONITORING PROBE
 - EXISTING REMOTE WELLS HEAD
 - EXISTING CONDENSATE PUMP STATION
 - EXISTING LFG COLLECTION PIPING
 - EXISTING ISOLATION VALVE
 - EXISTING CONDENSATE SUMP
 - EXISTING LFG 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 FORCEDMAN
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING LFG PIPING
 - EXISTING LFG ISOLATION VALVE
 - EXISTING HEADER ACCESS RISER
 - EXISTING HOPE CAP
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING BLIND FLANGE
 - EXISTING LFG COLLECTION PIPING
 - EXISTING LFG ISOLATION VALVE
 - EXISTING CONDENSATE FORCEDMAN
 - EXISTING LFG EXTRACTION WELL
 - EXISTING LFG COLLECTION PIPING
 - EXISTING CONDENSATE FORCEDMAN
 - EXISTING ROAD CROSSING
 - EXISTING CONDENSATE VALVE

NOTE:
 1. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY COOPER AERIAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY PLANNED ON 11-19-2016.

RECORD DRAWING

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

Prepared for
BLUE RIDGE LANDFILL TX, LP

WEAVER CONSULTANTS GROUP
 1100 WEST 19TH AVENUE
 SUITE 100
 DENVER, CO 80202
 PHONE: 303.733.4400
 FAX: 303.733.4409
 WWW.WEASCG.COM

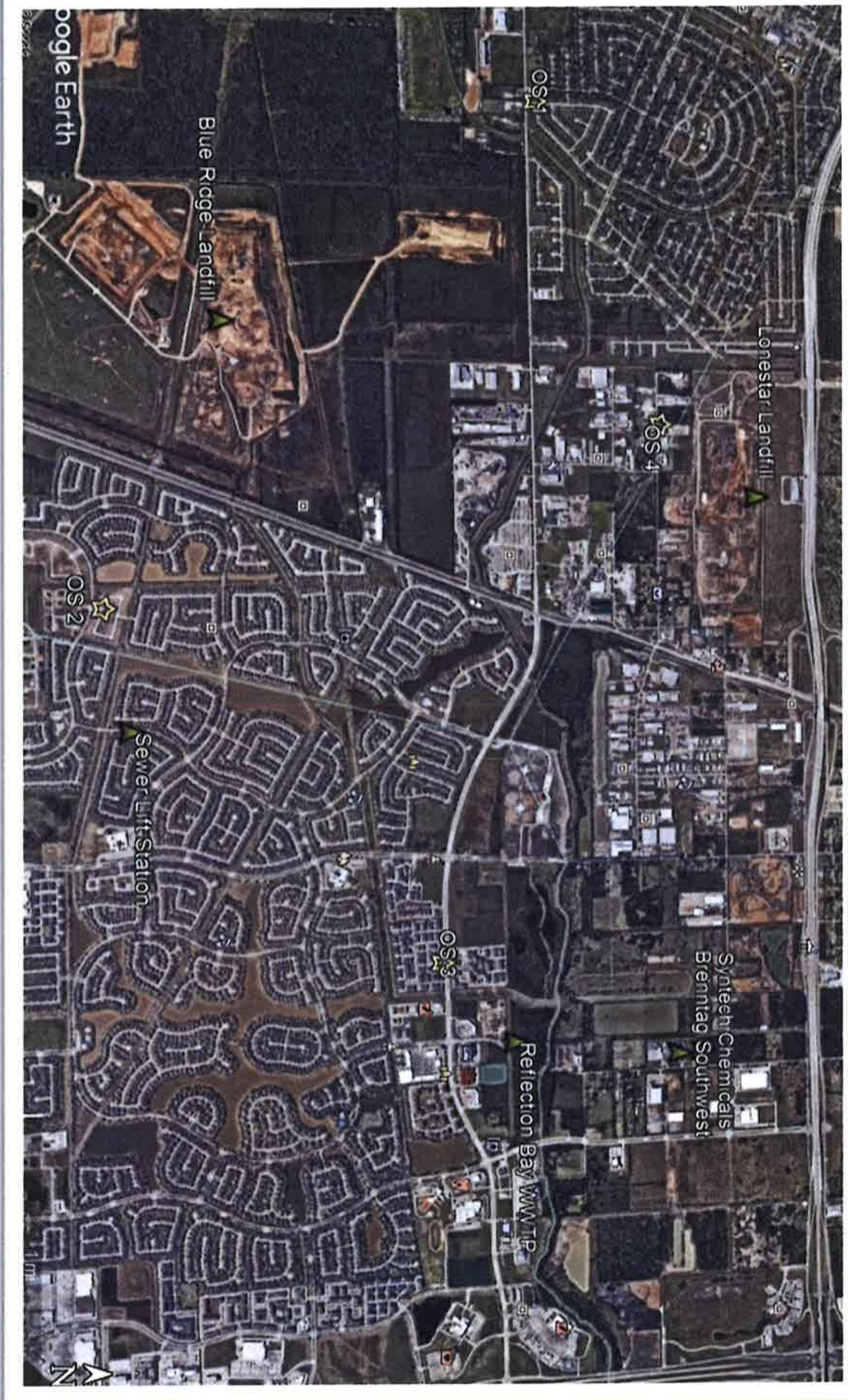
DATE: 03/20/16
 DRAWN BY: J. W. HARRIS
 CHECKED BY: J. W. HARRIS

WEAVER CONSULTANTS GROUP
 ENGINEERING, ARCHITECTURE, ENVIRONMENTAL SCIENCE

PROJECT NO. 16-001
 SHEET NO. 1 OF 1

WWW.WEASCG.COM DRAWING 1

ATTACHMENT 2



TCEQ Waste Section

May 31, 2018 Odor Surveys

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.

CAMS 81 Manvel Croix Park C84 **▼ Select a different site**

Month: **Day:** **Year:** **Time Format:**

May 31 2018 12 Hour (AM/PM)

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 **Thursday, May 31, 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	0.2	0.4	0.5	2.3	8.0	3.4	0.9	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.1	
<u>Nitrogen Dioxide</u>	2.3	2.6	4.2	5.1	9.2	12.4	8.0	2.7	1.5	1.2	0.9	0.9	0.9	1.2	1.2	1.3	1.7	1.2	1.5	
<u>Oxides of Nitrogen</u>	2.3	2.8	4.6	5.6	11.5	20.1	11.3	3.5	1.8	1.5	1.0	1.0	1.0	1.4	1.5	1.6	2.0	1.4	1.6	
<u>Ozone</u>	4	3	2	1	0	0	7	16	21	27	30	30	32	30	26	26	27	26	24	
<u>Wind Speed</u>	2.1	1.6	2.3	1.4	2.5	3.6	4.7	7.0	8.3	10.2	11.0	10.6	10.9	11.0	13.4	12.9	12.5	11.5	10.4	
<u>Resultant Wind Speed</u>	2.1	1.4	2.2	1.3	2.3	3.5	4.6	6.8	7.9	9.8	10.5	10.1	10.4	10.6	13.1	12.3	12.1	11.2	10.2	
<u>Resultant Wind Direction</u>	127	149	143	144	137	144	156	168	182	179	173	173	172	162	153	145	146	151	141	
<u>Maximum Wind Gust</u>	4.5	3.4	5.0	3.2	4.7	6.8	8.9	12.9	16.6	22.0	20.7	19.8	21.3	19.7	22.5	21.3	22.6	18.9	20.1	
<u>Std. Dev. Wind Direction</u>	13	27	14	25	17	11	13	13	18	15	16	16	17	15	13	17	13	13	11	
<u>Outdoor Temperature</u>	74.9	74.2	73.8	73.9	74.3	74.8	77.9	81.8	83.7	85.9	88.1	89.4	89.7	89.4	89.3	87.8	87.1	86.5	83.7	
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.

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Last Modified Tuesday, 30 Jan 2018

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Loosmore
 Date of Investigation: May 31, 2018

Location: Intersection of McHard Road & Amy Ridge Road
 Start Time: 0920 hrs

Amy
Ridge
Road

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	
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55	
56	
57	
58	
59	
60	

Odor Description: No Odors

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

E
NE
NE

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Loosmore
Date of Investigation: May 31, 2018

Location: Intersection of Arbor Gate & Canyon Ranch Dr
Start Time: 1008 HD

Dane
Canyon
Ranch Dr

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	
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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						

N
NE
NE

Supplemental Investigator's Odor Intensity Time Log

Investigator: Breyna Loosmore
Date of Investigation: May 31, 2018

Location: 12400 Shadowe Creek Ranch Pkwy
Start Time: 1038 hr

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						

NE
ENB

Supplemental Investigator's Odor Intensity Time Log

Investigator: Rayna Loosmore
 Date of Investigation: May 31, 2018

Location: 4214 Blue bonnet Dr.
 Start Time: 1109 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	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
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						

ATTACHMENT 3

COVER APPLICATION LOG

REPUBLIC SERVICES
Blue Ridge Landfill, MSW-1505A

MSW

Month / Year: MAY 2018

AMT ¹	Grid Area	T ²	Method ³	Daily Cover		Approved Alternate Daily Cover		Elevation	MSL	Inspection Date of Daily Cover ⁴	Subspected	Erosion of Leachate Seep Detected	Corrective Action ⁵	Soil Stockpile Required (yrd ³)	Rain (inches) ≥ 0.5"	Rain (inches) ≥ 0.5"	Intermediate Cover		Final Cover		Date Erosion Corrected ⁶	Corrective Action ⁷	Final Cover Certification Report Reference	Supervisor Signature ⁸	
				6" Soil	8" Soil	Grid Area	AMT ¹										T ²	Method ³	Grid Area	T ²					Method ³
1	1750	51-17	6"	B	-	-	-	85-89	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2750	51-18	6"	B	-	-	-	89-93	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3750	51-19	6"	B	-	-	-	93-97	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	4750	51-20	6"	B	-	-	-	97-102	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	5650	51-21	6"	B	-	-	-	102-104	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	7750	51-22	6"	B	-	-	-	104-108	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	7750	51-23	6"	B	-	-	-	108-112	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	7750	51-24	6"	B	-	-	-	112-116	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	7750	51-25	6"	B	-	-	-	116-120	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	7750	51-26	6"	B	-	-	-	120-125	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7750	51-27	6"	B	-	-	-	125-127	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	600	51-28	6"	B	-	-	-	-	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	14750	51-29	6"	B	-	-	-	85-89	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	750	51-30	6"	B	-	-	-	89-94	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	750	51-31	6"	B	-	-	-	94-98	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	750	51-32	6"	B	-	-	-	98-102	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	750	51-33	6"	B	-	-	-	102-105	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	750	51-34	6"	B	-	-	-	105-106	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	600	51-35	6"	B	-	-	-	-	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	750	51-36	6"	B	-	-	-	90-95	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	750	51-37	6"	B	-	-	-	95-99	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	750	51-38	6"	B	-	-	-	99-103	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	750	51-39	6"	B	-	-	-	103-107	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	750	51-40	6"	B	-	-	-	90-95	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	750	51-41	6"	B	-	-	-	95-97	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	600	51-42	6"	B	-	-	-	-	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	750	51-43	6"	B	-	-	-	97-101	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	750	51-44	6"	B	-	-	-	90-94	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	750	51-45	6"	B	-	-	-	94-97	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	750	51-46	6"	B	-	-	-	-	-	4/23/18	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31																									

AMT = Amount of cover (ft) 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 4.1F. 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 = Replacing cover material; G = Grading; M = Compacting; S = Seeding

SCP 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 1,000 ft of the Regulated Asbestos-Containing Material (R-ACM) disposal area.

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

- 1 Repair & Graded to Repair Erosions Phase II West Slope 14-18, Phase I East Slope 23-25, West Slope West to Road 8-20, Phase I South Slope KK-NU
- 2 Repair & Graded to Repair Erosions Phase II West Slope 21-27 & East Slope 30-T, Phase III East Slope 44-51 Phase III - NORTH Slope LL - UU
- 3 Repair & Graded to Repair Erosions Phase III West Slope H-L Graded Phase III West Slope 41-51 Graded Phase III North Slope H-U
- 4 Graded to Repair Erosions Phase III North Slope W-V
- 5
- 6
- 7 Graded to Repair Erosions Phase II South Slope F-L
- 8 Cover & Graded to Repair Locations from S.E.M. Findings on Phase III (U-V), N.A. 37-40, U-V-38-39, NU-00-34-35, PA-40, CC-40 Phase I - 513, T-15, X-4, I-E-8
- 9 Cover & Graded to Repair Locations from S.E.M. Findings Phase III S-4-42-43, O-A-43-44, L-42, I-45, O-Q-47-48, V-II-48-55, II-51-52, FF-53, CC-53
- 10 Graded to Repair Erosions Phase III North Slope DD-SS
- 11 Graded to Repair Erosions Phase III South Slope T-V
- 12
- 13
- 14
- 15 Graded to Repair Erosions Phase III AA-EE North Slope
- 16 Graded to Repair Erosions Phase III North Slope EE-JJ -
- 17 Graded to Repair Erosions Phase III East Slope 45-50
- 18
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- 24
- 25
- 26
- 27
- 28 Graded to Repair Erosions Phase III North Slope JJ-OO
- 29 Graded to Repair Erosions Phase III North Slope OO-TT
- 30 Graded to Repair Erosions Phase III North Slope TT-YY
- 31

ATTACHMENT 4



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

June 14, 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 June 6, 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 (6/6/2018 - 6/12/2018), Blue Ridge completed repairs on the **south** slope of Phase 3 between grid markers I-VV and 34-47. In addition, the **west** slope of Phase 3 between grid markers I-L and 41-47. Lastly, the **north** slope of Phase 3 between grid markers X-ZZ and 48-56.

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

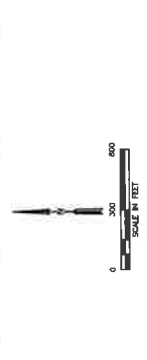
Sincerely,

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

Burgess Stengl
Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED
JUN 18 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 LFGTE 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 COOPER GENERAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY FROM JAN 11-15-2016.

RECORD DRAWING

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

RECORD DRAWING FOR ISSUANCE PURPOSES ONLY	REVISED FOR
DATE: 10/27/17	BLUE RIDGE LANDFILL TX, L3
BY: [Signature]	NO. DATE
FOR: [Signature]	ISSUES
PROJECT: [Signature]	
OWNER: YES	
RECORDED: YES	
WEAVER CONSULTANTS GROUP	
TYPE REGISTRATION NO. F-3727	
WWW.WCGRP.COM	DRAWING 1



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

June 22, 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 June 6, 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 (6/13/2018 - 6/22/2018), Blue Ridge completed repairs on the **west** slope of Phase 3 between grid markers I-L and 47-51. In addition, the **north** slope of Phase 3 between grid markers H-X and 48-56. This completes the repairs within the June 6, 2018 extension areas.

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

Sincerely,

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

Burgess Stengl
Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill

RECEIVED
JUN 26 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 WELHEAD
 - - - - - EXISTING CONDENSATE PUMP STATION
 - - - - - EXISTING LFG COLLECTION PIPING
 - - - - - EXISTING ISOLATION VALVE
 - - - - - EXISTING CONDENSATE SUMP
 - - - - - EXISTING LCF CONNECTION
 - - - - - EXISTING HEADER ACCESS RISER
 - - - - - EXISTING SOAR 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 LFOTE PIPING
 - - - - - INSTALLED LFG ISOLATION VALVE
 - - - - - 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: THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY COOPER AERIAL SURVEYS CO. FROM AERIAL PHOTOGRAPHY FROM 03-11-19-2016

RECORD DRAWING

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

BLUE RIDGE LANDFILL
FORT BEND COUNTY, TEXAS

WWW.WCGRP.COM DRAWING 1

<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY <input type="checkbox"/> VOID FOR CONSTRUCTION	PROJECT NO. DATE SCALE	BLUE RIDGE LANDFILL TX, LP
DATE: 11/20/16 FILE: 16-0000000 PLOT: 16-0000000	SHEET NO. TOTAL SHEETS	WEAVER CONSULTANTS GROUP TUBE REGISTRATION NO. F-3727

