## MSW PA\_1505A\_CP\_20181112\_Investigation

## Texas Commission on Environmental Quality Investigation Report

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## Customer: Blue Ridge Landfill TX, LP Customer Number: CN602820599

Regulated Entity Name: BLUE RIDGE LANDFILL
Regulated Entity Number: RN102610102

Investigation # 1530595	Incident Numbe	rs
	297401	297343
	297389	297402
	297536	297390
	297356	297531
	297323	297324
	297532	297362
	297392	297403
	297357	297320
	297404	297325
	297344	297405
	297533	297406
	297322	297319
	297347	297360
	297534	297398
	297340	297352
	297395	297537
	297535	297388
	297361	297400
200	297326	297396
	297331	

Investigator: REYNA LOOSMORE Site Classification TYPE 1

**Conducted:** 11/12/2018 -- 11/16/2018 **NAIC Code:** 562212

NAIC Code: 486210 SIC Code: 4922 SIC Code: 4953 SIC Code: 1521

**Program(s):** MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD, Local Unit: REGION 12 - HOUSTON

FRESNO, TX, 77545 Activity Type(s): MSWCMPL - Investigation of MSW

complaint

Principal(s):

Role Name

RESPONDENT BLUE RIDGE LANDFILL TX LP

Contact(s):

11/12/2018 to 11/16/2018 Inv. # - 1530595

#### Page 2 of 5

Role	Title	Name	Phone	
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone	(281) 835-6142
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

#### Other Staff Member(s):

Role

Name

QA Reviewer Supervisor Investigator BETHANY BATCHELOR ALMA JEFFERSON

CARLOS GRIGGS

#### **Associated Check List**

Checklist Name

**Unit Name** 

MSW COMPLAINT INVESTIGATION

1505A Complaint

#### **Investigation Comments:**

#### INTRODUCTION

On November 14, 15 and 16, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 39 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 November 13, 14, 15 and 16, 2018.

On November 12, 2018, Ms. Marisol Robertson, Environmental Investigator, Ms. Alma Jefferson, Team Leader and Mr. Jason Ybarra, Special Assistant of the TCEQ Houston Region Office, conducted the on-site portion of the Complaint Investigation via a Focused Leachate Investigation at BRL (TCEQ Consolidated Compliance and Enforcement Data System (CCEDS) Investigation Report No. 1531351). On November 16, 2018, Ms. Reyna L. Loosmore and Mr. Carlos Griggs, Environmental Investigators of the TCEQ Houston Region Office, conducted odor surveys in the area surrounding BRL.

#### BACKGROUND

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

#### GENERAL FACILITY AND PROCESS INFORMATION

BRL is a Type I landfill which is authorized to operate by TCEQ Municipal Solid Waste (MSW) Permit No. 1505A.

The landfill is authorized to dispose of MSW including household solid waste, commercial solid waste, construction and demolition waste, and yard waste; Class 1, Class 2, and Class 3 non-hazardous industrial solid waste; and certain special wastes. Liquid waste will be accepted at the Liquid Waste Bulking Facility for stabilization and subsequent disposal. BRL may not accept regulated hazardous waste, prohibited polychlorinated biphenyls, or untreated medical waste.

#### 11/12/2018 to 11/16/2018 Inv. # - 1530595

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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. 297319, 297320, 297322, 297323, 297324, 297325, 297326, 297331, 297340, 297343, 297344, 297352, 297356, 297356, 297350, 297360, 297361, 297362, 297388, 297389, 297390, 297392, 297395, 297396, 297398, 297400, 297401, 297402, 297403, 297404, 297405, 297406, 297531, 297532, 297533, 297534, 297535, 297536 and 297537.

Description of Alleged Effects:

Headache, nausea, difficulty breathing, dry eyes, sleeplessness and sinus problems were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: November 16, 2018

Wind Direction: east-northeast (ENE) to east-southeast (SE)

Wind Speed: 0.4 - 1.1 mph

Outdoor Temperature: 42.1 - 42.6 °F

Meteorological data taken from TCEQ's continuous air monitoring station Manvel Croix Park C84 weather station (Attachment 1).

Odor Survey (OS):

The investigators conducted OS No. 1 at 3:17 a.m., upwind of BRL at the 2500 block of Mountain Sage Drive in Pearland. No odors were detected during the 60 minutes spent at OS No. 1.

OS No. 2, located at the 13000 block of Rose Bay Court in Pearland and upwind of BRL, was conducted at 4:20 a.m. No odors were detected during the 60 minutes spent at OS No. 2.

OS No. 3, located at the 1900 block of Cayman Bend Lane in Pearland and crosswind of BRL, was conducted at 4:24 a.m. No odors were detected during the 60 minutes spent at OS No. 3.

OS No. 4, located at the 2300 block of Lilac Breeze Lane in Pearland and crosswind of BRL, was conducted at 5:25 a.m. No odors were detected during the 60 minutes spent at OS No. 4.

OS No. 5, located at the 13000 block of Rainwater Drive in Pearland and crosswind of BRL, was conducted at 5:28 a.m. No odors were detected during the 60 minutes spent at OS No. 5.

An aerial view map of the OS location and the OS log are included in Attachment 1.

Summary of the on-site investigation:

On November 12, 2018, Ms. Robertson, Ms. Jefferson and Mr. Ybarra, arrived at BRL and met with Mr. Chance Seely, Environmental Specialist, Mr. Mark Meadows, Division Manager, and Mr. Burgess Stengl, Environmental Manager, to whom the purpose and scope of the investigation were explained.

The facility representatives drove Ms. Robertson and Ms. Jefferson to the MSW and Class 1 working faces, by which piles of soil were observed. No issues were noted. For further information, refer to CCEDS Investigation No. 1531351.

Description of Odor:

#### 11/12/2018 to 11/16/2018 Inv. # - 1530595

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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". Landfill garbage odors were previously detected coming from the direction of BRL on September 20, October 18 and 28, 2018. Therefore, the frequency of odors documented by the investigator is a monthly occurrence.

#### CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on November 12 and 16, 2018. The complaints are closed.

No Violations Associated to this Investigation

Signed Environmental Investigator

Date 12/12/2018

Signed

Supervisor

Date 12/12/2018

11/12/2018 to 11/16/2018 Inv. # - 1530595

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Attachments: (in order of final report subm	ittal)
Enforcement Action Request (EAR)	Maps, Plans, Sketches
Letter to Facility (specify type): No Act (16th)	Photographs
Investigation Report	Correspondence from the facility
Sample Analysis Results	Other (specify):
Manifests	secusi of Attenments
Notice of Registration	

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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 12, 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), Texas

Regulated Entity No.: 102610102 TCEQ MSW Permit No.: 1505A Investigation No.: 1530595

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on November 14 - 16, 2018, requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Reyna L. Loosmore and Mr. Carlos Griggs of this office conducted an investigation on November 16, 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 <a href="https://www.tceq.texas.gov">www.tceq.texas.gov</a>.

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 Manager, Waste Section Houston Region Office

ALJ/RLL/na

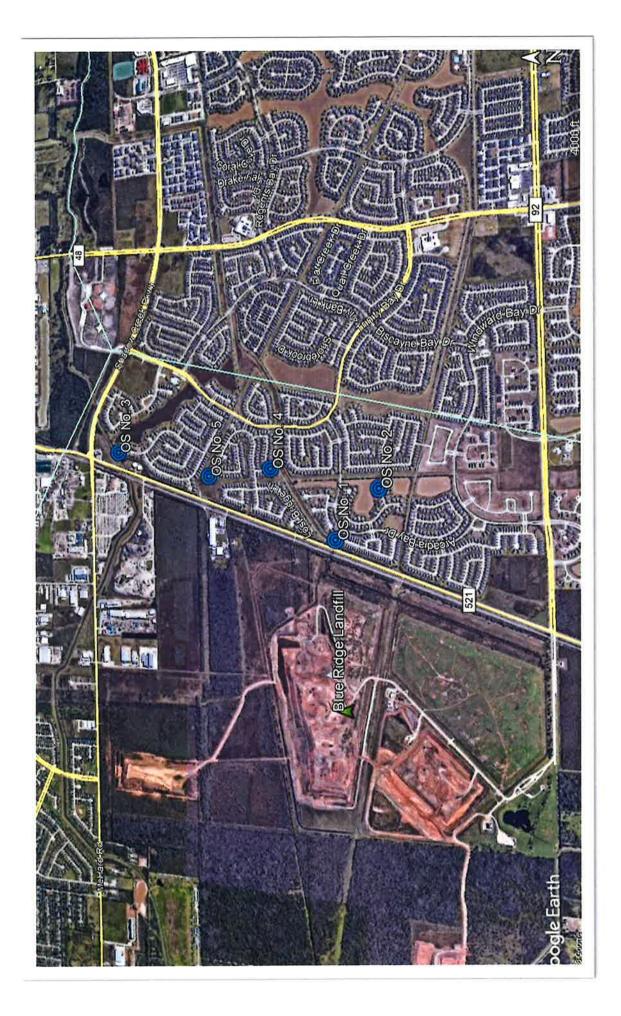
## Blue Ridge Landfill 2200 F.M. 521, Fresno (Fort Bend County), TX 77545 Municipal Solid Waste Permit No. 1505A MSW Complaint Investigation Conducted on November 12 and 16, 2018

List of Attachments

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

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## ATTACHMENT 1



TCEQ Waste Section

November 16, 2018 Odor Surveys

Air Quality Maps

Data Reports

AutoGC

Water Data

Site Info

# <u>Manvel Croix Park C84</u> 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:	CAMS AQS Description	
CAMS 84	Manvel Croix Park C84	▼ Select a different site
Month:	Day: Year: Time Format:	
November ▼	16 ▼ 2018 ▼ 12 Hour (AM/PM) ▼ Generate Report Plot Data	
✓ Green ur	nderline for validated data	

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Friday, November 16, 2018.** All times shown are in CST.

Parameter						Мо	rning											Afte	rnoo
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
Nitric Oxide	0.2	0.1	-0.1	0.1	0.5	8.0	24.5	55.9	22.6	5.9	1.8	0.4	0.1	-0.1	0.0	-0.1	0.0	0.0	-0.0
<u>Nitrogen</u> <u>Dioxide</u>	16.5	13.1	10.4	10.2	13.3	15.6	21.4	18.5	21.7	20.5	10.2	4.2	2.2	2.0	1.9	2.0	4.5	11.6	12.2
Oxides of Nitrogen	17.0	13.5	10.5	10.5	14.1	23.8	46.4	<u>75.3</u>	44.9	26.6	12.2	4.7	2.3	1.9	1.9	2.0	4.6	11.9	12.3
<u>Ozone</u>	5	5	5	6	3	o	0	0	9	24	38	47	49	50	50	53	<u>55</u>	47	40
Wind Speed	1.7	1.7	1.0	0.4	0.4	0.5	1.1	1.1	1.4	3.0	3.5	3.8	5.1	5.1	5.6	5.0	7.4	6.2	4.0
Resultant Wind Speed	1.6	1.7	0.9	0.3	0.4	0.2	0.8	1.0	0.8	2.7	3.0	2.6	4.3	4.5	4.6	4.4	6.8	6.1	3.9
Resultant Wind Direction	162	171	195	74	82	130	112	54	281	<u>289</u>	266	242	191	192	184	205	170	153	135
Maximum Wind Gust	2.4	2.5	1.5	1.3	1.3	1.6	2.0	1.9	4.3	6.2	9.1	10.0	15.4	12.6	12.4	10.9	15.3	10.9	6.9
Std. Dev. Wind Direction	10	10	25	52	25	<u>58</u>	41	24	54	25	31	46	32	29	34	28	23	11	11
<u>Outdoor</u> Temperature				42.2								64.4	66.2						
Parameter	Mid	1:00	2:00	3:00	4:00				8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00		
Measured							rning						<u></u>					Afte	rnoo
	Maxi	mum	values	for e	ach pa	rame	ter are	<u>bolo</u>	<u>l</u> withi	n the	table. N	4inimur	n value	es are	bold	italic			
	R - [	Data fi	rom th	nis ins	trume	nt me	ets EF	A qua	lity as	suran	ce crite	ria for	regulat	ory pu	ırpose	es.			

**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

Investigator: Record Location: Location: 2500 Work of Munitum Suger Date of Investigation: New Month 16,2018 Start Time: 3: 17 am
Investigator 2-FUNCY LOCATION: 2500 WOCK OF MANIAM DE
investigator. The remove of the start Time: 3. It and
Date of Investigation: NOCITION (0)2010

Minutes	Odor Intensity VI., L, M, S, VS
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3	No odor
4	No ador
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29	NOCOL
30	NOCKOY

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34	No alor
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36	Nocyor
37	No orior
38	No odor
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41	No orbr
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48	Nogar
49	NO CHOY
50	NO COCY
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54	NO COLOR
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58	10000
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MOL DE	scription:					_
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		1 %	LAT.R.			
	VS				1	1
1 Min	νs					_
1 Min 10 Min	78					

Supplemental Investigator's Odor Intensity Time Log
Investigator: Royna Laxmare Location: 13000 block Rose Buy G
Date of Investigation: Number 16, 2018 Start Time: 4:20 am

Minutes	Odor Intensity VL, L, M, S,VS
min	NOOV
2	NO COOP
3	NO Ora
4	No Crox
5	No ora
5	Noar
7	NO ORDY
8	NO Odur
9	No Cror
10	No Orby
11	No oror
12	No Order
13	NO Orby
14	No 900r
15	No Orlar
16	No coor
17	Nocror
18	No mor
19	No ara
20	No ord
21	No cach
22	No over
23	NO CADY
24	NO COO
25	No Orbr
26	No orbr
27	NOOCO
28	No chor
29	NO OCOT

Minutes	Odor Intensity VL, L, M, S, VS
31 min	Noodor
32	NO CHOY
33	No orbr
34	NO CLOX
35	No mor
36	No coor
37	No cor
38	No odor
39	No odor
40	NO Odor
41	No CYOY
42	NO CHOY
43	NOOCOR
44	NO OUOL
45	NO Odor
46	NO OUR
47	NO ONCE
48	Noodor
49	No Orior -
50	MO CAC
51	NO OWY
52	NO COO
53	NO ONO
54	NO CLOK
55	NOW
56	NO CHOY
57	NO OCOY
58	NOCKOY
59	MODOL
60	NO OXX

ldor De	escription:			i_		
Wensis	eness: Hi	ghly	Offensive	Unpleasant	Not U	npleasant
Veighted	Average In	tensity:	M	L	VL	No Odor
	Average In	tensity:	M	ī	VL	No Odor
Veighted 1 Min		s s	M	L	VL	No Odor
		s S	M	L	VL	No Odor

1900 Block of Caynon Bend

Minutes	Odor Intensity VI., L, M, S, VS
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	No odor
	Noodol
	No odor
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4	Loodor
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6	No odol
7	Noudal
8	No oder
9	No udol
0	No odol

Minutes	Odor Intensity VI., L, M, S, VS
31 min	No odor
32	No color
33	No odol
34	NU Odo/
35	No odol
36	No odol
37	NO 0000
38	No odor
39	No odor
40	No odo
41	NO 000
42	No o du
43	NO 000
44	No odo
45	No 000/
46	No odol
47	No odo/
48	No odol
49	NO Odo
50	NO 000
51	NO 000
52	No odol
53	NO odor
54	No odol
55 56	No odor
56	110 0001
57 58	Noodor
	No odor
59 60	No odol

	dor Description: Tensiveness: Highly		Offensive	Unpleasant	Not Unpleasant	
	Average In		M	L	VL	No Odor
						1
1 Min	75					
1 Min 10 Min	42	-				

0,5.4

10 Min 1 Hour

Supplemental Investigator's Odor Intensity Time Log
Investigator: Reynal Commore Location: 2300 block a lac Breese of
Date of Investigation: Nuclear land Start Time: 5:25 am Odor Intensity VL, L, M, S, VS Minutes Odor Intensity VL, L, M, S,VS Minutes 31 min ı min Odor Description: \_ \_\_\_Offensive \_\_\_\_\_ Unpleasant \_\_\_\_ Not Unpleasant \_\_\_\_ Offensiveness: Highly\_\_ Weighted Average Intensity: No Odor VL M VS 1 Min

Minutes	Odor Intensity VL, L, M, S,VS
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5.	Noodo
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1	NO ODO/
3	NO odol
	NO DOOL
0	No odor
ı	No odol
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3	No odo!
4	No odol
5	No odol
6	No odol
7	NO odo
8	No dol
9	No odo
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11	No odol
2	No odol
3	No odor
4	No odol
5	No odol
6	NO OCOL
7	No odor
8	NO Odo
9	NO Odol
0	NO ONO

linutes	Odor Intensity VI., L, M, S, VS
ımin	No odol.
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3	No odor
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5	No odor
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Odor De	scription:			<u> </u>	37 . 17	-3
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1 Min						
1 Min 10 Min						