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AIR CP 5 YD 8613 0000-0000-0026-8119 OCE / Air Compliance AIR CP 102610102

Compliance Public 11/24/2018 12:00AM Investigation 1531729

AIR_CP_102610102_CP_20181124_Investigation_1531729_ 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 # 153	1729	Incident Numbers 297694	
Investigator: NIC	COLE FOSTER	Site Classification MAJOR SOURCE	
Conducted: 11/24/	/2018 11/24/2018	NAIC Code: 562212 NAIC Code: 486210 SIC Code: 4922 SIC Code: 4953 SIC Code: 1521	2
Program(s): AIR	OPERATING PERMITS		2-
Investigation Type:	Compliance Investigation	Location: LOCATED ON 2200 FM 521	
Additional ID(s):	FG0536E 1472		
Address: 2200 FM 52 FRESNO, TX , 77545	21 RD,	Local Unit: REGION 12 - HOUSTON Activity Type(s): AIRCOMPL - AIR CMPL - AIR COMPLAINT INV	
<u>Principal(s):</u> Role	Name		
RESPONDENT	BLUE RIDGE LAN	NDFILL TX LP	
Contact(s):			
Role	Title	Name Phone	
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL Office (713) 676-7669	
Other Staff Membe	er(s):		
Role	Name		
QA Reviewer	TRICIA LESTAR.	JETTE	
Supervisor	ANDREA GUSTA	VSON RECEIVE	
Investigator	TRICIA LESTAR.	IETTE IVSON RECEIVED IETTE FEB 07 2019	
		FEB U/ 2010	
	Associated Che	eck List	
Checklist Name		Unit Name	
AIR COMPLAINT INV		eck List <u>Unit Name</u> Sitewide CENTRAL FILE ROOM	
AIR INVESTIGATION		Sitewide	
MONITORING AND S	SAMPLING revised 06/2013		
Investigation Comn	nents:		

BLUE RIDGE LANDFILL - FRESNO

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INTRODUCTION

Introduction

Between November 20, 2018 and November 24, 2018, 15 odor complaints were received via the Texas Commission on Environmental Quality (TCEQ) online complaint form and Houston Region's air section phone duty line. These complaints are part of the ongoing investigation of various odors occurring in the Shadow Creek Ranch Subdivision and surrounding area. See CCEDS Incident #297694 for more details on the complaints filed. See below for the start dates and times each of the complaints occurred:

- November 20, 2018 at 10:00 AM
- November 22, 2018 at 8:00 PM
- November 23, 2018 at 7:00 AM
- November 23, 2018 at 10:00 AM
- November 23, 2018 at 4:00 PM
- November 23, 2018 at 4:45 PM
- November 23, 2018 at 5:45 PM
- November 23, 2018 at 6:00 PM
- November 23, 2018 at 6:00 PM
- November 23, 2018 at 6:30 PM
- November 23, 2018 at 7:15 PM
- November 23, 2018 at 7:19 PM
- November 23, 2018 at 9:00 PM
- November 24, 2018 at 12:15 AM
- November 24, 2018 at 1:00 AM

Most complainants alleged a putrid garbage or landfill odor occurring in their homes and around the neighborhood early in the morning, mid-morning or during the evening. Other alleged odors include leachate, sewage and chemical odors. In some instances, complainants stated the odor lasted throughout the day. All of the complainants identified Blue Ridge Landfill (Blue Ridge) as the source of the odor.

Meterological conditions during the alleged incidents were as follows: on November 20, 2018, it was approximately 53.9 degrees Fahrenheit (F) with a wind speed of 9.5 miles per hour (mph) from the north-northeast; on November 22, 2018, it was approximately 53.2 F with a wind speed of 1.3 mph from the southeast; on November 23, 2018, it was approximately 71.8 F with a wind speed of 5.1 mph from the west; and on November 24, 2018, it was 59.8 F with a wind speed of 1.9 mph from the south-southwest. This information was provided by the TCEQ Continuous Air Monitioring Station (CAMS) 84 (Manvel Croix Park C84).

The complainants were contacted by phone or email on November 27, 2018 and November 28, 2018 to inform them that an investigation had been conducted on November 24, 2018.

Investigation Narrative

On November 24, 2018, TCEQ investigators, Ms. Nicole Foster and Ms. Tricia Lestarjette, conducted odor surveys in the west Pearland area. The area is largely residential with numerous industrial facilities. See Attachment 1 for a map overview of odor survey locations.

At approximately 12:15 AM, Ms. Foster and Ms. Lestarjette, arrived in the area to conduct odor surveys. Meteorological conditions at the beginning of the investigation, taken from CAMS 84, were as follows: 59.8 F with a wind speed of 1.4 mph from the south-southwest.

The investigators arrived at the intersection of McHard Road and Park Manor Street between 12:15 AM and 12:20 AM. Ms. Lestarjette and Ms. Foster each completed a 1-hour odor log beginning at 12:20 AM and 12:25 AM, respectively (Attachment 2 – Pages 1 & 7). No odors were detected. Following the odor survey, the investigators left the area at approximately 1:27 AM.

Ms. Lestarjette arrived at the Diamond Bay Water Park at 1:32 AM. Ms. Lestarjette completed a 1-hour odor log, beginning at 1:34 AM (Attachment 2 – Page 3). The investigator incorrectly documented the start time as 13:34 on the odor log; however the investigation took place in the morning not the afternoon. Very light garbage odors were detected for three minutes out of the 1-hour odor log. Following the odor survey, Ms. Lestarjette left the area at

BLUE RIDGE LANDFILL - FRESNO

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2:35 AM.

Ms. Foster arrived at the intersection of Windward Bay and Baliey Springs Lane at 1:37 AM. Ms. Foster completed a 1-hour odor log, beginning at 1:40 AM (Attachment 2 – Page 9). No odors were detected. Following the odor survey, Ms. Foster left the area at 2:43 AM.

Ms. Lestarjette arrived at the intersection of Golden Creek Lane and Shallow Falls Lane at 2:39 AM. Ms. Lestarjette completed a 1-hour odor log, beginning at 2:40 AM (Attachment 2 – Page 5). The investigator incorrectly documented the start time as 14:40 on the odor log; however the investigation took place in the morning not the afternoon. No odors were detected. Following the odor survey, Ms. Lestarjatte left the area at 3:41 AM.

Ms. Foster arrived at the intersection of Longlake Drive and Rocky Isle Drive at 2:48 AM. Ms. Foster completed a 1-hour odor log, beginning at 2:50 AM (Attachment 2 – Page 11). Meteorological conditions, taken from CAMS 84, were as follows: 55.7 F with a wind speed of 1.1 mph from the southeast. No odors were detected. Following the odor survey, Ms. Foster left the area at 3:53 AM.

The investigators left the Pearland area at approximately 3:55 AM.

In addition to the odor logs, the MultiRAE was utilized during the investigation. No readings were noted.

Facility Authorization Narrative

Blue Ridge operates under Federal Operating Permit O-01472.

Exit Interview

An exit interview was not conducted since there were no alleged violations, additional issues, or records requested.

As stated above, the complainants were contacted by phone or email on November 27, 2018 and November 28, 2018 to inform them of the completion of the investigation.

GENERAL FACILITY AND PROCESS INFORMATION

Process Description

Blue Ridge is a municipal solid waste landfill. More detailed process descriptions can be found in the TCEQ Central File Room.

BACKGROUND

Agreed Orders, Court Orders, and Other Compliance Agreements

Agreed Orders issued by the TCEQ, court orders issued by the Attorney General of Texas, and other compliance agreements, if any, were not reviewed as part of this investigation.

Prior Enforcement Issues

Previous enforcement actions were not reviewed because violations were not discovered during this current investigation.

Complaints

Based on a review of CCEDS during the past five years, numerous odor complaints have been received relating to this area, and other TCEQ nuisance odor investigations are being conducted concurrently by the Region 12 Office.

ADDITIONAL INFORMATION

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Conclusions, Recommendations, and Current Enforcement Actions

Based on this investigation, no violations are being alleged. As stated above, a garbage odor was detected during the investigation. The Frequency, Intensity, Duration, and Offensiveness (FIDO) chart categorizes the garbage odor as offensive. To constitute a nuisance, an offensive odor at a monthly frequency has to last: ten minutes at an very strong intensity; one hour at a strong intensity; four hours at a moderate intensity; or twelve or more hours at a light intensity. Ms. Lestarjette documented an offensive odor at a very light intensity for three minutes.

Additional Issues

No additional issues were noted during this investigation.

REPORT ATTACHMENTS

1. Area Map

2. Odor Logs
No Violations Associated to this Investigation

Signed **Environmental Investigator**

Date 12-14-18

- Date 12/17/2018 Signed/ Supervisor

Attachments: (in order of final report submittal)

- ____Enforcement Action Request (EAR)
- X Letter to Facility (specify type): CMPL Letter

Investigation Report

____Sample Analysis Results

____Manifests

____Notice of Registration

- ____Maps, Plans, Sketches
- ____Photographs

____Correspondence from the facility

 $\underline{\chi}$ Other (specify) :

See Report List

Attachment 1 Attachment Name: Area Map RN #: RN102610102 CN#: CN602820599 Regulated Entity: Blue Ridge Landfill Date of Investigation: November 24, 2018

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Attachment:	-				
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Area Map with Odor Survey Locations November 24, 2018



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Attachment 2 Attachment Name: Odor Logs RN #: RN102610102 CN#: CN602820599 Regulated Entity: Blue Ridge Landfill Date of Investigation: November 24, 2018

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Investigator: Trigalestary Charlestary Location: 29.5813704, -95.4620, 25.

Date of Investigation: 11/24/2 018

Start Time: 12:20am

Minutes	Odor Intensity VL, L, M, S,VS
12:20 1 min am	
212:21	Name of Contract o
312:22	
412:23	
512:24	
612:25	
712:26	
812:27	
,12:28	
10/2:29	
112:30	
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14 2:33	
15/2:34	· · · · · · · · · · · · · · · · · · ·
16 2:35	
172:36	
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1912:38	
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21 2:40	
22/2:41	<u> </u>
23 2:42	
24/2.43	~
25 12;44	
26 12:45	
27 12:40	<u> </u>
28/2:47	-
2912:48	
3012:49	_

Minutes	Odor Intensity VL, L, M, S, VS
Minutes	_
32 2.5	
332:52	
342:53	
352:54	
362:55	
372:56	
382:57	<u> </u>
392:58	
42:59	
12:00	
13:01	<u> </u>
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12:08	
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13:10	
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13:12	
13:13	
13:14	·
12.15	
13:16	
13:17	
13:18	_
137:16 137:17 137:18 137:18 137:18	

Odor Description: None

Offensiveness: Highly_____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor	
1 Min					Investi	gadon Bige:	- CMPL
10 Min					Air Acc		-0536-E
1 Hour				6 h 19		. *	
					Allachi	ment. <u>k</u>	
					Page_	<u> </u>	12

1. Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive)

2. Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log.

3. Determine the total Duration of the odor(s) (1 minute to 24 hours)

4. Evaluate the Frequency of odor occurrence (Single Occurrence to Daily)

5. Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists.

			I	ittent?	C	Weathe	er ons	Odo	or Cha	racter	ristic		Odo	r Inte	nsity		Effects/Comments/Concerns
	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Rain (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	
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Supplemental Investigator's Odor Intensity Time Log Investigator: <u>Tricia Lestanette</u> Location: <u>29.5758645, -95.42599</u>22 Date of Investigation: <u>11/24/2018</u> Start Time: <u>13:34</u>

Minutes	Odor Intensity VL, L, M, S,VS
Minutes B:34 1 min g/m	VL
213:35	
313:36	
413:37	· · · · · · · · · · · · · · · · · · ·
513:38	
	·
713:40	
813:41	
913:42	VL
10 3:43	VL
11/3:44	
1213:45	
13 3:4%	
14/3:47	
1513:48	
16 3:49	
1713:50	
18 3:51	
19 3:52	
2013:53	
21)3:54	
22 3:55	
2313;56	<u> </u>
2413:57	
25 3:58	
2613:59	·····
27 4:00	- ,
2814:01	
29 4:02	·
30/4:03	

Minutes Odor Intensity VL, L, M, S, VS 31 min		
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527,00	524:25	·
5314:26		
5414:27	5414:27	
5514:28	5514:28	·,
5614:29	5614:20	
111:27	111.20	· · ·
584:31	584:31	
5914:32	5914:3	2
53(4:3)	6014:3	3 —

Odor Description: ____ anbag

Offensive _ 3 Offensiveness: Highly_

Unpleasant _____ Not Unpleasant _

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor	IMPL
1 Min					givesuga	abu 246:	TUMPE
10 Min					Air Accou	nt NO: FG	-0536E
1 Hour					Altana		
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1. Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive)

2. Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log.

3. Determine the total Duration of the odor(s) (1 minute to 24 hours)

Page.

Attachment

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4. Evaluate the Frequency of odor occurrence (Single Occurrence to Daily)

5. Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists.

			or	ittent?	C	Weathe onditio	er ons	Odo	or Cha	racter	ristic		Odo	r Inte	nsity		Effects/Comments/Concerns
•	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Rain (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	·
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Supplemental Investigator's Odor Intensity Time Log Investigator: 1/1/24/2018 Location: 29.5606578, -95.4242595 Date of Investigation: 11/24/2018 Start Time: 14:40

Minutes Odor Intensity VL, L, M, S,VS 1 min 40 Garre 214:41 214:42 dell'artes a 14:43 4.44 4:45 4.110 84:47 14:48 10 14:49 114:50 124:51 12452 1414:53 154:54 16 4:55 1714:56 1814:57 19 4:58 2014:59 21 5:00 22 5:01 2315:02 2415:03 2515:04 2615:05 2715:06 - . 28(5:07 2915:08 3015:09

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Minutes	Odor Intensity VL, L, M, S, VS
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32 5:11	
3315:12	
34 5:1-	
35 5:14	
36 5:14	
3715:16	
3815,1	
3915:19	s
40 5:19	
41 5:2	
4215:21	
4315:2	
4415:2	
45 5:24	
46 5:29	
4715:26	
48 5:2	
4915:28	
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52 5:31	
53 5:38	
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5515:34	·
5615:35	5
15 20	
58 5:3]
57 0.20 58 5:3 59 5:3 60 5:3	3
605:30	1
6	

Odor Description: NON

Offensiveness: Highly_____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

1 Min 10 Min Alf Account NO: F	
10 Min Alf Account NO: F	CMPL
	2-0536-E
1 Hour Attachment 2	

1. Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive)

2. Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log.

3. Determine the total Duration of the odor(s) (1 minute to 24 hours)

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4. Evaluate the Frequency of odor occurrence (Single Occurrence to Daily)

5. Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists.

ΰ.		•	10	ittent?	C	Weathe onditio	er ens	Od	or Cha	racter	ristic	Odor Intensity					Effects/Comments/Concerns
•	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Rain (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	
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Supplemental Investigator's Odor Intensity Time Log Investigator: <u>Ni Cole Foster</u> Location: <u>Mc Hard & Park Manor</u> St. Date of Investigation: <u>11/24/2018</u> Start Time: <u>12:25 AM</u>

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	Minutes	Odor	Intensity VL, L, M	. S.VS	Minutes		Odor Intensity VL, L, M, S, VS	
12:26	1 min	Ð			31 min	Ð		12:56
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	3	Ð			33	Ð		
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[2:30	5	Ð			35	A		1:00
	6	Ø			36	0		
	7	Ð		*	37	A		
	8	ø			38	Ø		
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12:35	10	Ð			40	0		1:05
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	29	d d			59	a	· · · · · · · · · · · · · · · · · · ·	1:25
12:55		0			60	Ø		
	Odor Desc	ription:	NA		-			
				siveU	Inpleasant		Not Unpleasant	
	Weighted Av	erage Intens	ity:					a.
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	1 Min 10 Min						Air Account NO: FG -	-0536-E
	1 Hour						Attachment: 2	A CONTRACTOR OF THE OWNER
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1. Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive)

Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log. 2.

Determine the total Duration of the odor(s) (1 minute to 24 hours) 3.

Page

Evaluate the Frequency of odor occurrence (Single Occurrence to Daily) 4.

Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists. 5.

			or	ittent?	C	Weathe	er ons	Odd	or Cha	racter	ristic		Odor Intensity				Effects/Comments/Concerns
	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Raín (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	
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Supplemental Investigator's Odor Intensity Time Log Investigator: <u>Wicole Foster</u> Location: <u>Windward Bay & Bailey Springs Lane</u> Date of Investigation: <u>11/24/18</u> Start Time: <u>1:40 Am</u> Minutes Odor Intensity VL, L, M, S, VS Minutes Odor Intensity VL, L, M, S, VS 1:41 2:11 0 P 31 min 1 min QE 0 32 2 33 Ð 0 34 1:45 A 2:15 35 5 P P 6 36 37 8 38 Ł 39 9 Ð 2:20 1:50 10 40 Ø 11 41 Ø ð 42 12 0 C 43 13 Ø 44 14 2:25 1:55 C Ø 2 15 45  $\Theta$ P 46 16 P £ 17 47 Ø l 18 48 Ø Ø 19 49 Ō 2:30 50 2:00 20 21 51 22 52 l 23 53 Ć 24 54 2:35 2:05 25 55 26 56 . 27 57 28 58 29 59 2:40 2:10 30 60 N/A Odor Description: _ Offensiveness: Highly_____ Offensive _____ Unpleasant _____ Not Unpleasant _____ Weighted Average Intensity: CMPL vilnvestigation No. Odor M L VS S 1 Min 0536-E Air Account NO: FG 10 Min Attachment: 1 Hour 9 12 Page of

#2

1. Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive)

2. Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log.

3. Determine the total Duration of the odor(s) (1 minute to 24 hours)

4. Evaluate the Frequency of odor occurrence (Single Occurrence to Daily)

5. Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists.

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•	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Rain (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	-
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Investigator:	NIC	ole	Foster
Date of Investig	ation: _	11/2	4/2018

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10 Min 1 Hour			- 2			Attachme			

Characterize the odor to determine which Offensiveness table to use (Not Unpleasant to Highly Offensive) 1.

Assess the Intensity of odor (Very Light to Very Strong), for variable intensities use Supplemental Investigator's Odor Intensity Time Log. 2.

Determine the total Duration of the odor(s) (1 minute to 24 hours) 3.

Evaluate the Frequency of odor occurrence (Single Occurrence to Daily) 4.

Identify the block on the chart that corresponds to the information from Steps 1-4 and determine if a nuisance condition exists. 5.

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•	Date	Time(s)	How long did the odor occur?	Was the odor intermittent? (Y/N)	Wind direction	Rain (Y/N)	Temperature (°F)	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong	
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Jon Niermann, *Chairman* Emily Lindley, *Commissioner* Toby Baker, *Executive Director* 

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## **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

Protecting Texas by Reducing and Preventing Pollution

December 17, 2018

Mr. Burgess Stengl, Environmental Manager Blue Ridge Landfill TX, LP 2200 FM 521 Road Fresno, Texas 77545

Re: Complaint Investigation Conducted for: Blue Ridge Landfill TX, LP, 2200 FM 521 Road, Fresno (Fort Bend County), Texas TCEQ ID No.: FG-0536-E, Investigation No.: 1531729, Incident No.: 297694

Dear Mr. Stengl:

From November 20, 2018 to November 24, 2018, the Houston Region Office of the Texas Commission on Environmental Quality (TCEQ) received multiple complaints concerning activities performed at your facility. In response to these complaints, Ms. Nicole Foster, investigator with the Air Section, conducted an investigation on November 24, 2018.

No violations were noted concerning the activities alleged in the original complaint; however, it should be noted that a comprehensive compliance investigation was not performed. This letter should not be interpreted as a blanket notice of compliance with state and federal regulations governing air quality.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you have any questions concerning this investigation, please contact Ms. Foster at 713-422-8953.

Sincerely,

Indrea Austanson

Andrea Gustavson, Air Section Team Leader Houston Region Office

AG/NF/swf

TCEQ Region 12 • 5425 Polk St., Ste. H • Houston, Texas 77023-1452 • 713-767-3500 • Fax 713-767-3520