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AIR CP_102610102_CP_20181210_INVESTIGATION_1537446_
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 # 1537446

Incident Numbers

299344	299362
299313	299369
299326	299233
299355	299350
299253	

Investigator: DAVID BROUSSARD

Site Classification MAJOR SOURCE

Conducted: 12/10/2018 -- 12/16/2018

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

SIC Code: 1521

Program(s): AIR OPERATING PERMITS

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): FG0536E
1472

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

Local Unit: REGION 12 - HOUSTON

Activity Type(s): AIRCOMPL - AIR CMPL - AIR
COMPLAINT INV

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone
REGULATED ENTITY MAIL CONTACT	AREA ENVIRONMENTAL MANAGER	MR SCOTT TREBUS	Phone (713) 726-7506 Fax (713) 675-3660

Other Staff Member(s):

Role	Name
Investigator	NICOLINA FRAIETTA
QA Reviewer	BIANCA LOPEZ
Supervisor	CHRISTOPHER HORTON
Investigator	TRAVIS LAY
Investigator	KENDRA BERNHAGEN

RECEIVED
FEB 19 2019
TCEQ
CENTRAL FILE ROOM

BLUE RIDGE LANDFILL - FRESNO

12/10/2018 to 12/16/2018 Inv. # - 1537446

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Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
AIR COMPLAINT INVESTIGATION	Area Wide
AIR GENERIC INVESTIGATION (10 ITEMS)	Area Wide
AIR INVESTIGATION - EQUIPMENT	Area Wide
MONITORING AND SAMPLING revised 06/2013	

Investigation Comments:

INTRODUCTION

Introduction

Between 12/9/18 and 12/21/18, 114 odor complaints were received via the Texas Commission on Environmental Quality (TCEQ) online complaint form, Houston Region's air section phone duty line or by email. These complaints are part of the ongoing investigation of various odors occurring in the Shadow Creek Ranch Subdivision and surrounding area. See CCEDS Incidents # 299233, 299253, 299313, 299326, 299344, 299350, 299355, 299362, and 299369, for more details on the complaints filed. See below for the date, the complaints occurred:

- 12/9/18
- 12/10/18
- 12/11/18
- 12/13/18
- 12/14/18
- 12/15/18
- 12/16/18
- 12/17/18
- 12/18/18
- 12/19/18
- 12/20/18
- 12/21/18

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 (BR) as the source of the odor.

Meteorological conditions during the alleged incidents were as follows: on 12/10/18, it was approximately 47.5 degrees Fahrenheit (F) with a wind speed of 3.9 miles per hour (mph) from the northwest; on 12/11/18, it was approximately 50.8 F with a wind speed of 4.5 mph from the southeast; on 12/13/18, it was approximately 65.2 F with a wind speed of 10.1 mph from the southwest; on 12/14/18, it was approximately 48.2 F with a wind speed of 13.2 mph from the west; on 12/15/18, it was approximately 53.7 F with a wind speed of 7.0 mph from the west; on 12/16/18, it was approximately 54.0 F with a wind speed of 2.8 mph from the southeast; on 12/17/18, it was approximately 57.3 F with a wind speed of 2.7 mph from the south; on 12/18/18, it was approximately 53.6 F with a wind speed of 4.6 mph from the northeast; on 12/19/18, it was approximately 56.9 F with a wind speed of 3.8 mph from the north; on 12/20/18, it was approximately 56.8 F with a wind speed of 11.1 mph from the northwest; and on 12/21/18, it was approximately 49.2 F with a wind speed of 7.8 mph from the northwest. This information was provided by the TCEQ Continuous Air Monitoring Station (CAMS) 84 (Manvel Croix Park C84). The complainants were contacted by phone or email on 12/20/18 and 12/21/18 to inform them that an investigation had been conducted on 12/10/18 and 12/16/18.

Investigation Narrative

On 12/10/18, TCEQ investigators, Ms. Kendra Bernhagen and Mr. Travis Lay, 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 22:40, Ms. Bernhagen arrived in the area to conduct odor surveys. At approximately 23:00, Mr.

BLUE RIDGE LANDFILL - FRESNO

12/10/2018 to 12/16/2018 Inv. # - 1537446

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Lay, arrived in the area to conduct odor surveys. Meteorological conditions at the beginning of the investigation, taken from CAMS 84, were as follows: 43.9 F with a wind speed of 1.0 mph from the west.

Ms. Bernhagen arrived at (29.5508417, -95.4341111) at approximately 22:40. The investigator completed a 1-hour odor log beginning at 22:40 (Attachment 2 – Page 1). No odors were detected. Following the odor survey, the investigator left the area at approximately 23:40.

Mr. Lay arrived at (29.5607278, -95.4243222) at approximately 23:00. The investigator completed a 1-hour odor log beginning at 22:40 (Attachment 2 – Page 3). Very light and light garbage odors were detected for a total of 9 minutes. Following the odor survey, the investigator left the area at approximately 23:40.

Ms. Bernhagen arrived at (29.5639611, -95.4373805) at approximately 23:45. The investigator completed a 1-hour odor log beginning at 23:45 (Attachment 2 – Page 5). Very light and light garbage odors were detected for all 60 minutes of the survey. Following the odor survey, the investigator left the area at approximately 00:45.

Mr. Lay arrived at (29.5764444, -95.4255555) at approximately 00:05. The investigator completed a 1-hour odor log beginning at 00:05 (Attachment 2 – Page 7). Very light garbage odors were detected for a total of 4 minutes. Following the odor survey, the investigator left the area at approximately 01:05.

Ms. Bernhagen arrived at (29.5808222, -95.4613277) at approximately 00:55. The investigator completed a 1-hour odor log beginning at 00:55 (Attachment 2 – Page 9). No odors were detected. Following the odor survey, the investigator left the area at approximately 01:55.

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

The investigators left the Pearland area at approximately 01:55.

On 12/16/18, TCEQ investigators, Mr. David Broussard and Ms. Nicolina Fraietta, 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 01:30, Mr. Broussard and Ms. Fraietta, arrived in the area to conduct odor surveys. Meteorological conditions at the beginning of the investigation, taken from CAMS 84, were as follows: 47.2 F with a wind speed of 2.9 mph from the west.

The investigators arrived at (29.5815716, -95.4609316) at approximately 01:30. Mr. Broussard and Ms. Fraietta each completed a 1-hour odor log beginning at 01:35 (Attachment 2 – Pages 11 & 17). No odors were detected. Following the odor survey, the investigators left the area at approximately 02:37.

Mr. Broussard arrived at (29.5778028, -95.4276) at approximately 02:40. Mr. Broussard completed a 1-hour odor log beginning at 02:45 (Attachment 2 – Page 13). No odors were detected. Following the odor survey, Mr. Broussard left the area at approximately 03:47.

Ms. Fraietta arrived at (29.569217, -95.4371740) at approximately 02:45. Ms. Fraietta completed a 1-hour odor log beginning at 02:50 (Attachment 2 – Page 19). Very light garbage odors were detected for 6 minutes, and moderate odors were detected for 2 minutes out of the hour. Following the odor survey, Ms. Fraietta left the area at approximately 03:52 AM.

Mr. Broussard arrived at (29.5569278, -95.4264194) at approximately 04:15. Mr. Broussard completed a 1-hour odor log beginning at 4:20 AM (Attachment 2 – Page 15). Very light garbage odors were detected for 5 minutes out of the hour. Following the odor survey, Mr. Broussard left the area at approximately 05:22.

Ms. Fraietta arrived at (29.5511515, -95.4375572) at approximately 04:20 AM. Ms. Fraietta completed a 1-hour odor log beginning at 4:25 (Attachment 2 – Page 21). No odors were detected. Following the odor survey, Ms. Fraietta left the area at 05:30.

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

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The investigators left the Pearland area at approximately 05:30.

The following records were requested and reviewed. For more information see attachment 4. The Municipal Solid Waste (MSW) and Class 1 cover logs showed the landfill covered and eroded spots were covered with additional soil. The flare observation log showed that the flare was operating without smoke on all days that facility was in operation. Blue Ridge Landfill submitted 26 Odor Complaint logs generated by citizen complaints. Blue Ridge Landfill also submitted their odor survey results for surveys conducted between 12/8/18 and 1/4/19. Blue Ridge Landfill submitted the date of the most recent scheduled surface emissions monitoring, 11/26/18. None of these documents contain information which supports a violation.

Facility Authorization Narrative

BR operates under Federal Operating Permit O-01472.

Exit Interview

On 1/4/19, the investigator conducted an exit interview with Mr. Scott A Trebus. An Exit Interview Form was completed by the Mr. Trey Thumann and acknowledged by Mr. Trebus. The Exit Interview Form is provided in Attachment No. 3.

As stated above, the complainants were contacted by phone or email on 12/20/18 and 12/21/18 to inform them of the completion of the investigation.

GENERAL FACILITY AND PROCESS INFORMATION

Process Description

BR 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

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 a very strong intensity; one hour at a strong intensity; four hours at a moderate intensity; or twelve or more hours at a light intensity. Monthly: The nuisance odor condition has been documented during and investigators odor survey at least two times in a 60-day period.

Additional Issues

BLUE RIDGE LANDFILL - FRESNO

12/10/2018 to 12/16/2018 Inv. # - 1537446

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No additional issues were noted during this investigation.

REPORT ATTACHMENTS

1. Area Map
2. Odor Logs
3. Exit Interview Form
4. Information Provided by Blue Ridge Landfill

No Violations Associated to this Investigation

Signed C.D. Huter (for David Broussard) Date 2/6/19
Environmental Investigator

Signed C.D. Huter Date 2/6/19
Supervisor

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)
☒ Letter to Facility (specify type) : Gen. Comp
Investigation Report
☐ Sample Analysis Results
☐ Manifests
☐ Notice of Registration

☐ Maps, Plans, Sketches
☐ Photographs
☐ Correspondence from the facility
☒ Other (specify) :
See Attachments

Attachment 1
Area Map
Blue Ridge Landfill
RN102610102
Permit O-1472
Pages 3



Google earth

miles
km

3
5

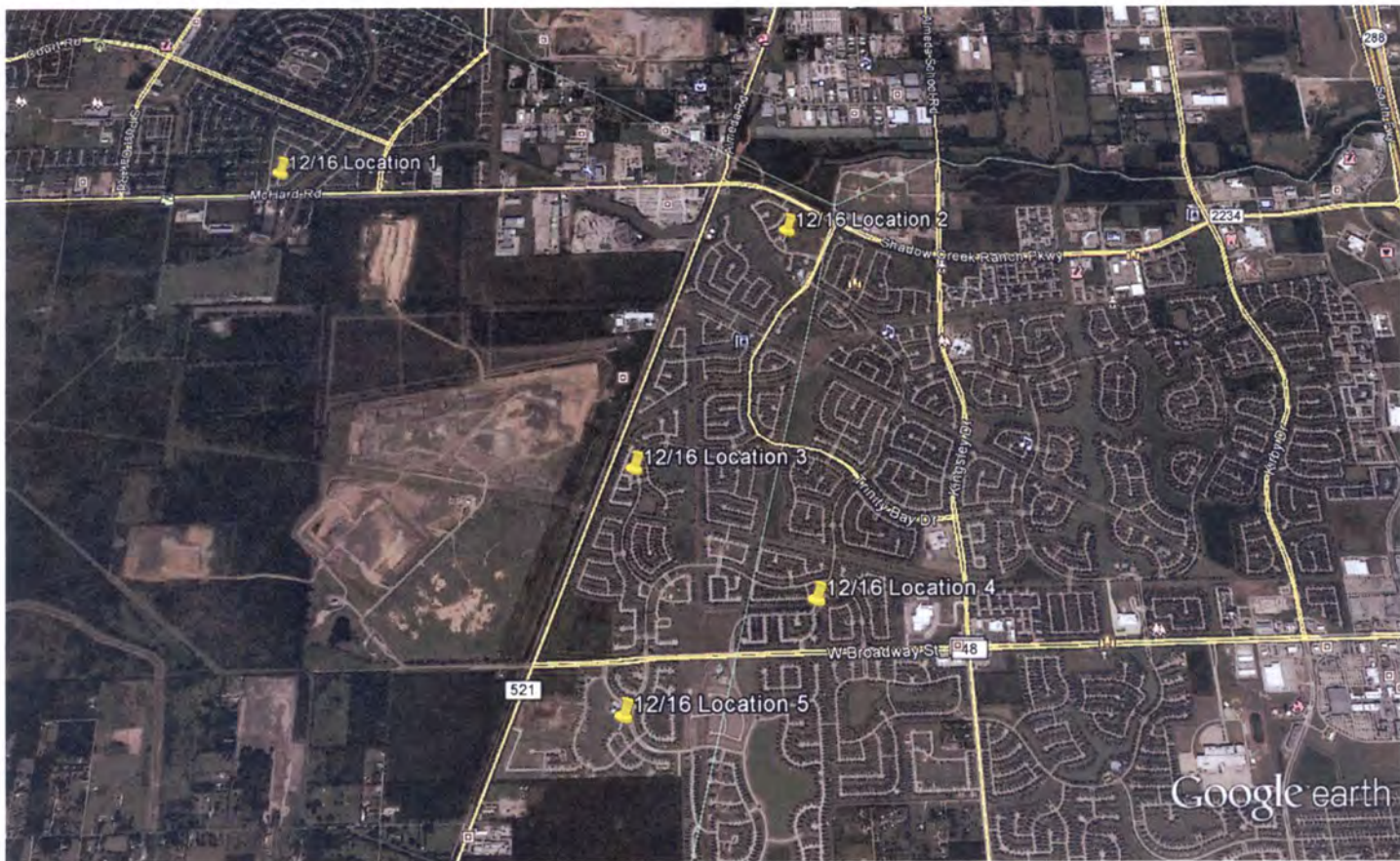
Pearland, TX



Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 1
Page 1 of 3

Blank

Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 1
Page 2 of 3



Google earth

miles 2
km 3
Pearland, TX



Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 1
Page 3 of 3

Attachment 2
Odor Logs
Blue Ridge Landfill
RN102610102
Permit O-1472
Pages 22

finden
beinhalten

~~29.5508417, -95.434111~~
POINT ~~1~~

Point 1

29.5508417, -95.434111

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 12/10/18 Start Time: 10:40 pm

Minutes	Odor Intensity VL, L, M, S, VS
1 min	NA
2	NA
3	NA
4	NA
5	NA
6	NA
7	NA
8	NA
9	NA
10	NA
11	NA
12	NA
13	NA
14	NA
15	NA
16	NA
17	NA
18	NA
19	NA
20	NA
21	NA
22	NA
23	NA
24	NA
25	NA
26	NA
27	NA
28	NA
29	NA
30	NA

Minutes	Odor Intensity VL, L, M, S, VS
31 min	NA
32	NA
33	NA
34	NA
35	NA
36	NA
37	NA
38	NA
39	NA
40	NA
41	NA
42	NA
43	NA
44	NA
45	NA
46	NA
47	NA
48	NA
49	NA
50	NA
51	NA
52	NA
53	NA
54	NA
55	NA
56	NA
57	NA
58	NA
59	NA
60	NA

Investigation Type: CMP
Air Account NO: EG-0536-E
Attachment: 2
Page 1 of 22

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

garbage odor

Investigator FIDO Log

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.

[illegible]

TRAVIS 104

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 12/10 Start Time: 2300 O.S.-4

Minutes	Odor Intensity VL, L, M, S, VS
1 min	N/O
2	N/O
3	N/O
4	N/O
5	N/O
6	N/O
7	N/O
8	N/O
9	N/O
10	N/O
11	N/O
12	N/O
13	N/O
14	N/O
15	N/O
16	N/O
17	N/O
18	N/O
19	N/O
20	N/O
21	N/O
22	N/O
23	VL
24	VL
25	N/O
26	N/O
27	N/O
28	VL
29	VL
30	L

Minutes	Odor Intensity VL, L, M, S, VS
31 min	L
32	N/O
33	N/O
34	N/O
35	N/O
36	N/O
37	N/O
38	N/O
39	N/O
40	N/O
41	N/O
42	N/O
43	N/O
44	N/O
45	N/O
46	N/O
47	N/O
48	N/O
49	N/O
50	N/O
51	N/O
52	VL
53	VL
54	VL
55	N/O
56	N/O
57	N/O
58	N/O
59	N/O
60	N/O

Investigation Type: CMPL
 Air Account NO: FL-0536-E
 Attachment: 2
 Page 3 of 22

Offensiveness: Highly Offensive Unpleasant Not Unpleasant

Weighted Average Intensity:

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

Investigator FIDO Log

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.

Date <i>11/21-12/11</i>	Time(s) <i>2300-0200</i>	How long did the odor occur?	Was the odor intermittent? <i>(X)/N</i>	Weather Conditions			Odor Characteristic				Odor Intensity					Effects/Comments/Concerns	
				Wind direction	Rain (Y/N) <i>N</i>	Temperature (°F) <i>48°F</i>	Not Unpleasant	Unpleasant	Offensive	Highly Offensive	Very Light	Light	Moderate	Strong	Very Strong		
							<i>✓</i>					<i>✓</i>					<i>Very light odors detected intermittently</i>

Investigation Type: *CMPL*

Air Account NO: *FS-0536-1*

Attachment: *2*

Page *4* of *22*

Kendrick
Bernhard

Point 3

29.5639611, -95.4373805

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 11:45 PM 12/10/18 Start Time: 11:45 pm

Minutes	Odor Intensity VL, L, M, S, VS
1 min	VL
2	VL
3	L
4	L
5	L
6	VL
7	VL
8	VL
9	VL
10	VL
11	L
12	L
13	VL
14	VL
15	VL
16	VL
17	VL
18	VL
19	VL
20	VL
21	VL
22	L
23	L
24	L
25	L
26	VL
27	VL
28	VL
29	VL
30	VL

Investigation Type: CMR

Air Account NO: FG-0536-E

Attachment: 2

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Minutes	Odor Intensity VL, L, M, S, VS
31 min	VL
32	VL
33	L
34	L
35	L
36	L
37	L
38	L
39	VL
40	VL
41	VL
42	VL
43	VL
44	VL
45	VL
46	VL
47	VL
48	L
49	L
50	L
51	VL
52	VL
53	VL
54	VL
55	VL
56	VL
57	VL
58	VL
59	VL
60	VL

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

garbage odor

Investigator FIDO Log

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.

[illegible]

TRAVIS LAY

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 12/11 Start Time: 0005 ~~0600~~ 06-2

Minutes	Odor Intensity VL, L, M, S, VS
1 min	N/O
2	N/O
3	N/O
4	N/O
5	N/O
6	N/O
7	N/O
8	N/O
9	N/O
10	N/O
11	N/O
12	N/O
13	N/O
14	N/O
15	N/O
16	N/O
17	N/O
18	N/O
19	N/O
20	N/O
21	N/O
22	N/O
23	N/O
24	N/O
25	N/O
26	N/O
27	N/O
28	N/O
29	N/O
30	N/O

Minutes	Odor Intensity VL, L, M, S, VS
31 min	N/O
32	N/O
33	N/O
34	N/O
35	VL
36	VL
37	VL
38	VL
39	N/O
40	N/O
41	N/O
42	N/O
43	N/O
44	N/O
45	N/O
46	N/O
47	N/O
48	N/O
49	N/O
50	N/O
51	N/O
52	N/O
53	N/O
54	N/O
55	N/O
56	N/O
57	N/O
58	N/O
59	N/O
60	N/O

Investigation Type: CMPL
 Air Account NO: FG-0536-E
 Attachment: 2
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Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Investigator FIDO Log

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.

Date	12/11	Time(s)	0005-0005	How long did the odor occur?	N/A	Was the odor intermittent?	(Y/N)
Investigation Type: <u>CMP</u> AIF Account NO: <u>16-0530-E</u> Attachment: <u>2</u> Page: <u>22</u>							
Weather Conditions		Wind direction	Rain (Y/N)	Temperature (°F)			
			N	46°F			
Odor Characteristic		Not Unpleasant	Unpleasant	Offensive	Highly Offensive		
		✓					
Odor Intensity		Very Light	Light	Moderate	Strong	Very Strong	
Effects/Comments/Concerns							
No Odors detected							

Kendra
Bernhagen

2905808222-293.400

Point 5

29.5808222
-295.461377

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 12/11/18

Start Time: 12:55am

Minutes	Odor Intensity VL, L, M, S, VS
1 min	NA
2	NA
3	NA
4	NA
5	NA
6	NA
7	NA
8	NA
9	NA
10	NA
11	NA
12	NA
13	NA
14	NA
15	NA
16	NA
17	NA
18	NA
19	NA
20	NA
21	NA
22	NA
23	NA
24	NA
25	NA
26	NA
27	NA
28	NA
29	NA
30	NA

Minutes	Odor Intensity VL, L, M, S, VS
31 min	NA
32	NA
33	NA
34	NA
35	NA
36	NA
37	NA
38	NA
39	NA
40	NA
41	NA
42	NA
43	NA
44	NA
45	NA
46	NA
47	NA
48	NA
49	NA
50	NA
51	NA
52	NA
53	NA
54	NA
55	NA
56	NA
57	NA
58	NA
59	NA
60	NA

Investigation Type: CMP
Air Account NO: FG-0536-E
Attachment: 2
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Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

garbage odor

Investigator FIDO Log

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.

[illegible]

29.5815 716

-95.4609316

Supplemental Investigator's Odor Intensity Time LogInvestigator: David BroussardLocation: Army Ridge + Lazy RidgeDate of Investigation: 12/16/18Start Time: 01:35

Minutes	Odor Intensity VL, L, M, S, VS
1 min	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

Investigation Type:

Air Account NO:

Attachment:

Page 11

Minutes	Odor Intensity VL, L, M, S, VS
31 min	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0

CMPL

FLG-0536-E

2

12

Odor Description: No Odor

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Arrived @ 01:33

Departed @ 02:37

Blank

Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 2
Page 12 of 22

29.5778028

-95.4276

Supplemental Investigator's Odor Intensity Time LogInvestigator: David BroussardLocation: Horizon View & Swift CreekDate of Investigation: 12/16/18Start Time: 02:45

Minutes	Odor Intensity VL, L, M, S, VS
1 min	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

Investigation Type: CMPAir Account NO: FE-053156-EAttachment: 2Page 13 of 22

Minutes	Odor Intensity VL, L, M, S, VS
31 min	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant X

Weighted Average Intensity:

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

Arrived @ 02:43
Departed @ 03:46

Blank

Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 2
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29.5569278

-95.4264194

Supplemental Investigator's Odor Intensity Time Log

Investigator: David BroussardLocation: Vintage Park + Shadow RidgeDate of Investigation: Vintage 12/16/18Start Time: 04:20

Minutes	Odor Intensity VL, L, M, S, VS
1 min	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	VL
10	VL
11	VL
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	VL
24	0
25	0
26	0
27	0
28	0
29	0
30	0

Minutes	Odor Intensity VL, L, M, S, VS
31 min	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	VL
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0

Investigation Type: CMLLAir Account NO: FG-0536-EAttachment: 2Page 15 of 59Odor Description: Garbage OdorOffensiveness: Highly _____ Offensive X Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Arrived @ 04:19

Departed @ 04:05:21

Blank

Investigation Type: CMPL
Air Account NO: FG-0536-E
Attachment: 2
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GPS: 29.5815716
-95.4609316

Supplemental Investigator's Odor Intensity Time Log

Investigator: Nicolina Frueh

Location: Amy Ridge Rd, & S. Lazy Ridge Dr.

Date of Investigation: 12/16/2018

Start Time: 1:35 a.m.

Minutes	Odor Intensity VL, L, M, S, VS
1 min	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
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20	-
21	-
22	-
23	-
24	-
25	-
26	-
27	-
28	-
29	-
30	-

Minutes	Odor Intensity VL, L, M, S, VS
31 min	-
32	-
33	-
34	-
35	-
36	-
37	-
38	-
39	-
40	-
41	-
42	-
43	-
44	-
45	-
46	-
47	-
48	-
49	-
50	-
51	-
52	-
53	-
54	-
55	-
56	-
57	-
58	-
59	-
60	-

Investigation Type: CMPL
Air Account NO: FD-0536E
Attachment: 2
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Odor Description: None detected

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Investigator FIDO Log

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.

[illegible]

Investigation Type: CML
Air Account NO: FG-0536-F
Attachment: 2
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GPS: 29.5639217,
-95.4371740

Supplemental Investigator's Odor Intensity Time Log

Investigator: N. Frisette
Date of Investigation: 12/16/18

Location: Longlake Dr. & Rocky 1st Dr.
Start Time: 2:50 a.m.

Minutes	Odor Intensity VL, L, M, S, VS	Minutes	Odor Intensity VL, L, M, S, VS
2:50	1 min -	31 min -	
	2 -	32 -	
	3 -	33 -	
	4 -	34 -	
2:55	5 -	35 -	
	6 -	36 -	
	7 -	37 -	
	8 -	38 VL	
	9 -	39 VL	
3:00	10 -	40 M	
	11 -	41 M	
	12 -	42 VL	
	13 -	43 VL	
	14 -	44 VL	
3:05	15 -	45 -	
	16 -	46 -	
	17 -	47 -	
	18 -	48 -	
	19 -	49 -	
3:10	20 -	50 -	
	21 -	51 -	
	22 -	52 -	
	23 -	53 VL	
	24 -	54 -	
3:15	25 -	55 -	
	26 -	56 -	
	27 -	57 -	
	28 -	58 CMPL	
	29 -	59 FG-0536E	
3:20	30 -	60 -	

Investigation Type: 58 CMPL

Air Account NO: FG-0536E

Attachment: 2

Odor Description: _____ Page 19 of 22

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Investigator FIDO Log

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.

[illegible]

Supplemental Investigator's Odor Intensity Time Log

Investigator: Nicola Farietta Location: Regal Park Lane by Pond
Date of Investigation: 12/16/2018 Start Time: 4:25 a.m.

4:25

70

35

40

45

50

55

Minutes	Odor Intensity VL, L, M, S, VS
1 min	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-
18	-
19	-
20	-
21	-
22	-
23	-
24	-
25	-
26	-
27	-
28	-
29	-
30	-

5:00

05

10

15

20

05

Minutes	Odor Intensity VL, L, M, S, VS
31 min	-
32	-
33	-
34	-
35	-
36	-
37	-
38	-
39	-
40	-
41	-
42	-
43	-
44	-
45	-
46	-
47	-
48	-
49	-
50	-
51	-
52	-
53	-
54	-
55	-
56	-
57	-
58	-
59	-
60	-

Investigation Type: CMP
Air Account NO: FG-05316-E
Attachment: 2
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Odor Description: No odors detected.

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Investigator FIDO Log

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.

[illegible]

Investigation Type: CMPL
 Air Account NO: FA-0530-E
 Attachment: 2
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Attachment 3
Exit Interview
Blue Ridge Landfill
RN102610102
Permit O-1472
Pages 1

TCEQ EXIT INTERVIEW FORM: Potential Violations and/or Records Request

Regulated Entity/Site Name	Blue Ridge Landfill	TCEQ Add. ID No. RN No (optional)	RN102610102
Investigation Type	CMPL Contact Made In-House (Y/N) Y	Purpose of Investigation	Complaint Investigation
Regulated Entity Contact	Mr. Burgess Stengl, Environmental Manager	Telephone No.	713-676-7669
		FAX #/Email address	
		Date Contacted	1/4/2019
		FAX/Email date	

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and *does not represent final TCEQ findings related to violations*. Any potential or alleged violations discovered after the date on this form will be communicated to the regulated entity representative prior to the issuance of a notice of violation or enforcement. Conclusions drawn from this investigation, including additional violations or potential violations discovered (if any) during the course of this investigation, will be documented in a final investigation report.

Issue		For Records Request, identify the necessary records, the company contact and date due to the agency. For Alleged and Potential Violation issues, include the rule in question with the clearly described potential problem. Other type of issues: fully describe.	
No.	Type ¹	Rule Citation (if known)	Description of Issue
1	RR		Please provide a copy of the 12/8/18 through 1/4/2019 MSW and Class 1 Non-Hazardous Cover Application Logs.
2	RR		Please provide a copy of the 12/8/18 through 1/4/2019 flare logs.
3	RR		Please provide a description of the landfill operating status for 12/8/18 through 1/4/2019. Please include information for any power outages, upsets, spills, malfunctions, and downtime of the gas collection and control system during this time.
4	RR		Please provide a copy of odor complaints received for 12/8/18 through 1/4/2019.
5	RR		Please provide a copy of odor surveys conducted for 12/8/18 through 1/4/2019.
6	RR		Please provide a copy of the most recent notification of scheduled dates of surface emissions monitoring.
• Response Due Date: <DATE>			

Note 1: Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

Did the TCEQ document the regulated entity named above operating without proper authorization?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the investigator advise the regulated entity representative that continued operation is not authorized?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Document Acknowledgment. Signature on this document establishes only that the regulated entity (RE) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, the document will be sent via FAX or Email to RE; therefore, the RE signature is not required.

	1/4/2019		
Investigator Name (Signed & Printed)	Date	Regulated Entity Representative Name (Signed & Printed)	Date

If you have questions about any information on this form, please contact your local TCEQ Regional Office.

Please contact the agency's public information officer with any requests, questions, or comments on access to records or information at 512-239-0800.

White Copy: Regulated Entity Representative
TCEQ 20085 (01/2019)

Yellow Copy: TCEQ

Investigation Type: CMPL
Air Account NO: EG-0536-E of 1
Attachment: 3
Page 1 **of** 1

Attachment 4

Information Provided by Blue Ridge Landfill
Blue Ridge Landfill

RN102610102

Permit O-1472

Pages 95



**REPUBLIC
SERVICES**

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

January 15, 2019

Ms. Karina Rocha
Water Section Assistant Manager
Texas Commission on Environmental Quality
Houston Region 12 Office
5425 Polk St., Suite H, Houston, TX 77023

Dear Ms. Rocha,

Please find attached the Record Request (RR) information for the Blue Ridge Landfill.

If there is additional information needed, please feel free to reach out at the 713-726-7506 (office) or 281-222-8251 (cell).

Sincerely,

Scott A. Trebus, P.E.
Area Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
Page . of 95

msw

COVER APPLICATION LOG

Month / Year: December 2018

[illegible]

AMT = Amount of cover (soil) in m^3 or alternate daily cover in bags or bays area

T = Thickness in inches

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

Impact 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 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 showing

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) stockpile. The contractor certifies work accomplished as stated in the Cover Application Log.

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

Investigation Type: CMPL
Air Account NO.: FG-0536-E
Attachment: 4
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Repaired & Graded TO REPAIR AUTO & WATER PUMP PHASE III TOP DECK AA-DD/33-45 + EE-HH/34-51

Repaired & Graded TO REPAIR EROSIONS & LEAKAGE WATER PHASE III SOUTH SLOPE NN/37-40

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE DD-LL/52-56

Graded TO REPAIR EROSIONS PHASE III SOUTH SLOPE KK-TT/35-42

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE KK-LL/48-51

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE I-T/48-56

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE T-EE/48-56

Graded TO REPAIR EROSIONS PHASE II SOUTH SLOPE C-J/14-24 + PHASE II EAST SIDE O-V/14-24

Graded TO REPAIR EROSIONS PHASE II NORTH SLOPE M-V/25-33

Graded TO REPAIR EROSIONS PHASE III SOUTH SLOPE I-T/35-42

Graded TO REPAIR EROSIONS PHASE III SOUTH SLOPE T-CL/35-42

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE AA-AA/48-56 + PHASE III NORTH SLOPE AA-AA/48-56

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE CC-HH/48-56 + PHASE III SOUTH SLOPE CC-GG/35-42

Graded TO REPAIR EROSIONS PHASE III NORTH SLOPE W-LL/48-56

Graded TO REPAIR EROSIONS PHASE III SOUTH SLOPE II-NN/35-41

Graded TO REPAIR EROSIONS PHASE III SOUTH SLOPE NN-TT/35-41

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Month / Year: December 2018

Class 1

Daily Cover																	Intermediate Cover				Final Cover				Inspection Date of Intermediate & Final Cover ⁵	Erosion $\geq 4"$ Detected	Date Erosion Corrected ⁶	Corrective Action ⁷	Final Cover Certification Report Reference	Supervisor Signature ⁸
1" Soil				Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ¹	Erosion or Leachate Seep Detected	Date Erosion or Leachate Seep Corrected ²	Corrective Action ³	Soil Stockpile Required ⁴ (yd ³)	Rain (inches)	Rain (inches) ≥ 0.5 ⁴	12" Soil				Per Final Closure Plan										
AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²	Method ³									Uninspected	Yes	Uninspected	Yes	Uninspected	Yes	Uninspected	Yes	AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²
1																														
2																														
3	500	6-29	6"	B	-	-	-	57'	✓																✓					
4	500	6-29	6"	B	-	-	-	60'	✓																					
5	500	7-30	6"	B	-	-	-	43'	✓																✓					
6	500	7-30	6"	B	-	-	-	46'	✓																✓					
7	500	8-30	6"	B	-	-	-	49'	✓																					
8																														
9																														
10	500	7-30	6"	B	-	-	-	52'	✓																✓					
11	500	7-30	6"	B	-	-	-	55'	✓																					
12	500	7-31	6"	B	-	-	-	43'	✓																					
13	500	7-31	6"	B	-	-	-	46'	✓																					
14	500	7-31	6"	B	-	-	-	49'	✓																					
15																														
16																														
17	500	7-31	6"	B	-	-	-	52'	✓																✓					
18	500	7-31	6"	B	-	-	-	55'	✓																					
19	500	7-31	6"	B	-	-	-	57'	✓																					
20	500	7-31	6"	B	-	-	-	60'	✓																					
21	500	7-32	6"	B	-	-	-	41'	✓																					
22																														
23																														
24	500	7-32	6"	B	-	-	-	44'	✓																✓					
25																														
26	500	7-32	6"	B	-	-	-	47'	✓																					
27	500	7-32	6"	B	-	-	-	50'	✓																					
28	500	7-32	6"	B	-	-	-	53'	✓																					
29																														
30																														
31	500	7-32	6"	B	-	-	-	56'	✓																					

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 4.1B. Address

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

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 stockpiled size of the working face. A 50 yd³ soil stockpile is required within 100 ft of the Regulated Asbestos-Containing

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

Investigation Type: CMPL
Air Account NO.: FG-0536-E
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COVER APPLICATION LOG

MSW

Month / Year: January 2019

Daily Cover				Approved Alternate Daily Cover				Elevation	Inspection	Erosion or	Date	Corrective	Soil	Rain	Rain	Intermediate Cover				Final Cover				Inspection	Erosion	Date	Corrective	Final Cover	Supervisor Signature
6" Soil				Spray-On or Tarps				MSL	State of Daily Cover	Leachate Seep Detected	Leachate Seep Corrected	Action	Stockpile Required (yd)	(inches)	(inches) > 0.5"	12" Soil				Per Final Closure Plan				Date of Intermediate & Final Cover	a 6" Detected	Erosion Corrected	Action	Certification Report Reference	
AMT	Grid Area	T	Method	AMT	Grid Area	T	Method		Inspected	Yes	No			Yes	No	AMT	Grid Area	T	Method	AMT	Grid Area	T	Method	Inspected	Yes				
1																													
2	750	1111-1111	6"	D	-	-	-	70.78	✓					2.0	✓														
3	750	1111-1111	6"	B	-	-	-	70.78	✓					0.3															
4	750	1111-1111	6"	B	-	-	-	70.78	✓																				
5	500	1111-1111	6"	D	-	-	-	72.78	✓															✓					
6																													
7	750	1111-1111	6"	B	-	-	-	72.78	✓																				
8																													
9																													
10																													
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31																													

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 is required if areas are not inspected within 72 hours of a rainfall event of 0.5" or more.

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 reason.

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 stockpiled size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material.

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

Investigation Type: CMPL
Air Account NO.: FG-0536-E
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Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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COVER APPLICATION LOG CLASS I NON HAZARDOUS

Class 1

Month / Year: January 2019

Daily Cover				Approved Alternate Daily Cover				Elevation	Inspection	Erosion or	Date	Corrective	Soil	Rain	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	Leachate Seep Detected	Leachate Seep Corrected	Action	Stockpile Required (yd)	(inches)	(inches) $\pm 0.5"$	12" Soil				Per Final Closure Plan				Date of Intermediate & Final Cover	a 4" Detected	Corrected	Action	Certification Report Reference	
AMT	Grid Area	T	Method	AMT	Grid Area	T	Method		Inspected	Yes				Yes		AMT	Grid Area	T	Method	AMT	Grid Area	T	Method	Inspected	Yes				
1																													
2	500	J-32	6"	B	-	-	-	60'	✓																				
3	500	K-32	6"	B	-	-	-	43'	✓																				
4	500	K-32	6"	B	-	-	-	46'	✓																				
5																													
6																													
7	500	K-32	6"	B	-	-	-	49'	✓																				
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AMT = Amount of cover (soil) in yd^3 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 4.16. Additional documentation is required if 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 yd^3 soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM). Signature certifies work accomplished as stated in the Cover Application Log.

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Flare Operations

Date	Time	Flare #1		Flare #2		Month / Year: <u>December 2012</u>
		Smoking*	Not Smoking	Smoking*	Not Smoking	Signature
1	10:00		✓		✓	<i>[Signature]</i>
2						
3	11:00		✓		✓	<i>[Signature]</i>
4	15:00		✓		✓	<i>[Signature]</i>
5	16:30		✓		✓	<i>[Signature]</i>
6	17:00		✓		✓	<i>[Signature]</i>
7	14:00		✓		✓	<i>[Signature]</i>
8	11:00		✓		✓	<i>[Signature]</i>
9						
10	15:00		✓		✓	<i>[Signature]</i>
11	14:30		✓		✓	<i>[Signature]</i>
12	14:20		✓		✓	<i>[Signature]</i>
13	10:50		✓		✓	<i>[Signature]</i>
14	12:15		✓		✓	<i>[Signature]</i>
15	11:30		✓		✓	<i>[Signature]</i>
16						
17	14:00		✓		✓	<i>[Signature]</i>
18	12:00		✓		✓	<i>[Signature]</i>
19	15:30		✓		✓	<i>[Signature]</i>
20	13:30		✓		✓	<i>[Signature]</i>
21	13:15		✓		✓	<i>[Signature]</i>
22	11:10		✓		✓	<i>[Signature]</i>
23						
24	13:30		✓		✓	<i>[Signature]</i>
25						
26	10:30		✓		✓	<i>[Signature]</i>
27	13:45		✓		✓	<i>[Signature]</i>
28	14:15		✓		✓	<i>[Signature]</i>
29	10:30		✓		✓	<i>[Signature]</i>
30						
31	11:55		✓		✓	<i>[Signature]</i>

* If smoking detected, contact Environmental Manager.

Rule Citation: 30 TAC §111.111(a)(4)(A)(ii)




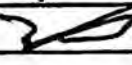

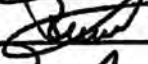


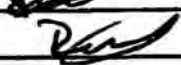


Investigation Type: CMPL
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Blue Ridge Landfill, MSW-1505A

* = closed

Flare Operations

		Flare #1		Flare #2		Month / Year: <u>JANUARY 2019</u>
Date	Time	Smoking*	Not Smoking	Smoking*	Not Smoking	Signature
1						
2	15:10		✓		✓	
3	14:00		✓		✓	
4	15:00		✓		✓	
5	12:05		✓		✓	
6						
7	11:30		✓		✓	
8	13:30		✓		✓	
9	14:30		✓		✓	
10	11:00		✓		✓	
11	13:15		✓		✓	
12	11:00		✓		✓	
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14	14:00		✓		✓	
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* If smoking detected, contact Environmental Manager.

Rule Citation: 30 TAC §111.111(a)(4)(A)(ii)

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Date	Enclosed Flare (SCFM)	Rental Candlestick Flare (SCFM)	South Utility Candlestick Flare (SCFM)	Gas Plant (SCFM)	Total Flow (SCFM)
12/8/2018	0.00	1111.50	1279.08	4782.30	7172.88
12/9/2018	0.00	1184.46	1035.12	5566.62	7786.20
12/10/2018	0.00	1162.80	1183.32	5484.54	7830.66
12/11/2018	0.00	1214.10	1267.68	5551.80	8033.58
12/12/2018	0.00	539.22	1154.82	5429.82	7123.86
12/13/2018	0.00	0.00	1181.04	5874.42	7055.46
12/14/2018	0.00	0.00	906.30	5874.42	6780.72
12/15/2018	0.00	0.00	909.72	5793.48	6703.20
12/16/2018	0.00	0.00	912.00	5844.78	6756.78
12/17/2018	0.00	0.00	1267.68	6259.74	7527.42
12/18/2018	0.00	0.00	1192.44	6356.64	7549.08
12/19/2018	0.00	0.00	1217.52	6443.28	7660.80
12/20/2018	0.00	0.00	1455.78	7661.94	9117.72
12/21/2018	0.00	0.00	1238.04	5997.54	7235.58
12/22/2018	0.00	0.00	1459.20	6200.46	7659.66
12/23/2018	0.00	0.00	1218.66	6564.12	7782.78
12/24/2018	0.00	0.00	1346.34	6349.80	7696.14
12/25/2018	0.00	0.00	1232.34	6046.56	7278.90
12/26/2018	0.00	0.00	1395.36	7520.58	8915.94
12/27/2018	0.00	0.00	1141.14	7444.20	8585.34
12/28/2018	0.00	0.00	1329.24	7219.62	8548.86
12/29/2018	0.00	0.00	1373.70	7272.06	8645.76
12/30/2018	0.00	0.00	1202.70	7275.48	8478.18
12/31/2018	0.00	0.00	1254.00	7099.92	8353.92
1/1/2019	0.00	0.00	1287.06	7103.34	8390.40
1/2/2019	0.00	0.00	1293.90	7400.88	8694.78
1/3/2019	0.00	0.00	1192.44	7862.58	9055.02
1/4/2019	0.00	0.00	1325.82	7227.60	8553.42

The Blue Ridge Landfill maintained normal working/operating hours for waste acceptance (Monday – Friday from 4AM – 5PM and Saturday from 5:30AM – Noon) for the period between December 8, 2018 – January 4, 2019.

The only exceptions to operating within this timeframe occurred on December 31, 2018 when the site ceased accepting waste at 4PM and Christmas Day & New Year's Day when the site was closed. The site experienced a power outage on Tuesday December 11, 2018, however vacuum to the well field was not affected in any way.



Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/02/2019

Time received: 10:51

Received by: Amy Kubinski

Caller's Contact Information

Name: Judy Cobb

Date and time detected: 12/27/2018 22:30

Address: Shadow Creek Ranch, Pearland, TX 77584, USA

Location: 29.5552801189°N, 95.4234586329°W

Email:

Odor Description

Type of odor:

Intensity: 5

Duration: None provided

Other notes: The complainant reported an odor via email on the evening of 12/27/18. No odor description was given, but an intensity of 5 out of 10 was given. The complainant stated the odor burns her eyes and nose.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 52.0°F

Pressure: 29.91 mm

Humidity: 97.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Email

When was the follow-up contact made?

01/04/2019 15:58

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

In the follow-up email to the complainant, we stated that an investigation was conducted at the given location. We stated there were offsite odors at the time of the complaint and corrective actions were taken.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/02/2019

Complainant: Judy Cobb

Time: 13:31

Complaint date: 12/27/2018

Investigator: Amy Kubinski

Location: 29.5598730969°N, 95.4373614422°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	01/02/2019 13:31	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: NNE Humidity: 99.0% Temperature: 50.2°F Precipitation: 0.02 in Pressure: 30.04 mm Conditions: Rain

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/02/2019

Time received: 10:58

Received by: Amy Kubinski

Caller's Contact Information

Name: Sheila Fischer

Date and time detected: 12/28/2018 10:10

Address: 2701 Catalina Shores Dr, Pearland, TX 77584, USA

Location: 29.5612647°N, 95.4097042°W

Email:

Odor Description

Type of odor: Garbage 506

Intensity: 4

Duration: None provided

Other notes: The complainant reported an odor via email on the morning of 12/28/18. The odor was described as a garbage smell that 'comes and goes with the breezy conditions'.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 6.9 mph

Wind direction: NNE

Temperature: 49.1°F

Pressure: 30.07 mm

Humidity: 72.0%

Precipitation: 0.0 in

Conditions: Mostly Cloudy

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Email

When was the follow-up contact made?

01/04/2019 15:45

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

In the follow-up email to the complainant, we confirmed we received the complaint, and that an odor investigation was conducted and no odors were detected at that time.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL

Air Account NO.: FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/02/2019

Complainant: Sheila Fischer

Time: 13:25

Complaint date: 12/28/2018

Investigator: Amy Kubinski

Location: 29.5612370939°N, 95.4096576487°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	01/02/2019 13:25	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: NNE Humidity: 99.0% Temperature: 50.2°F Precipitation: 0.02 in Pressure: 30.04 mm Conditions: Rain

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/02/2019

Time received: 11:07

Received by: Amy Kubinski

Caller's Contact Information

Name: Othmane Guillouli

Date and time detected: 12/27/2018 17:00

Address: 14013 Ginger Cove Ct, Pearland, TX 77584, USA

Location: 29.5621615°N, 95.4386773°W

Email:

Odor Description

Type of odor: Garbage 506

Intensity: 10

Duration: 12 hours+

Other notes: The complainant reported an odor via email the evening of 12/27/18. The odor was described as a "filthy garbage smell", and was given a 10 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 68.2°F

Pressure: 29.81 mm

Humidity: 51.0%

Precipitation: 0.0 in

Conditions: Overcast

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Email

When was the follow-up contact made?

01/04/2019 15:50

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

In the follow-up email to the complainant we stated that an odor investigation was conducted at the given location, and no odors were found at that time.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the specified location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/02/2019

Complainant: Othmane Guillouli

Time: 13:33

Complaint date: 12/27/2018

Investigator: Amy Kubinski

Location: 29.5621462052°N, 95.4386669925°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	01/02/2019 13:33	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: NNE Humidity: 99.0% Temperature: 50.2°F Precipitation: 0.02 in Pressure: 30.04 mm Conditions: Rain

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the specified location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/07/2019

Time received: 11:13

Received by: Amy Kubinski

Caller's Contact Information

Name: Leslie Billings

Date and time detected: 01/04/2019 20:05

Address: Cambridge Bay Dr, Pearland, TX 77584, USA

Location: 29.5735637°N, 95.4287405°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: None Provided

Other notes: The caller reported an odor on the evening of 1/4/19. No odor description was given, but an odor intensity of 10 out of 10 was stated.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 45.5°F

Pressure: 30.09 mm

Humidity: 66.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Email

When was the follow-up contact made?

01/08/2019 09:59

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached so a voicemail was left.

In the voicemail message we confirmed that the complaint was received and that an investigation was conducted and no odors were detected.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/07/2019

Complainant: Leslie Billings

Time: 13:17

Complaint date: 01/04/2019

Investigator: Amy Kubinski

Location: 29.5735488357°N, 95.4287391664°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	01/07/2019 13:17	No reading		Reporting station: KAXH Wind speed: 8.1 mph Wind direction: South Humidity: 71.0% Temperature: 72.5°F Precipitation: 0.0 in Pressure: 30.1 mm Conditions: Overcast

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/07/2019

Time received: 11:15

Received by: Amy Kubinski

Caller's Contact Information

Name: Keely Offett

Date and time detected: 01/04/2019 20:30

Address: 2111 Cambridge Bay Dr, Pearland, TX 77584, USA

Location: 29.5733907°N, 95.4285473°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: 1 minute

Other notes: The caller reported an odor on the evening of 1/4/19. The caller gave no description of the odor, but gave the odor an intensity of 10 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 44.6°F

Pressure: 30.1 mm

Humidity: 66.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

01/08/2019 09:54

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached so a voicemail was left.

In the voicemail message we confirmed that we received the complaint and that an investigation was conducted and that no odors were detected at the time of the investigation.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/07/2019

Complainant: Keely Offett

Time: 13:16

Complaint date: 01/04/2019

Investigator: Amy Kubinski

Location: 29.5733856057°N, 95.4285336139°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	01/07/2019 13:16	No reading		Reporting station: KAXH Wind speed: 8.1 mph Wind direction: South Humidity: 71.0% Temperature: 72.5°F Precipitation: 0.0 in Pressure: 30.1 mm Conditions: Overcast

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/07/2019

Time received: 11:16

Received by: Amy Kubinski

Caller's Contact Information

Name: Mrs. Shamilee

Date and time detected: 01/04/2019 17:42

Address: 2416 Ridgebrook Ln, Pearland, TX 77584, USA

Location: 29.5671449°N, 95.42335°W

Email:

Odor Description

Type of odor:

Intensity: 1

Duration: 1 hour

Other notes: The caller reported a strong odor on the evening of 1/4/19. No description or intensity of the odor was given. Note: Per app restrictions, an odor intensity of 1 was entered to complete the form.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: -9999.0 mph

Wind direction:

Temperature: 58.1°F

Pressure: 30.05 mm

Humidity: 55.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

01/08/2019 09:56

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complainant we confirmed that we received the complaint and that an investigation was conducted. We stated the corrective actions taken after the complaint.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were detected associated with BRLF

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/07/2019

Complainant: Mrs. Shamilee

Time: 13:10

Complaint date: 01/04/2019

Investigator: Amy Kubinski

Location: 29.5671488187°N, 95.4233221418°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	01/07/2019 13:10	No reading		Reporting station: KAXH Wind speed: 8.1 mph Wind direction: South Humidity: 74.0% Temperature: 73.0°F Precipitation: 0.0 in Pressure: 30.1 mm Conditions: Overcast

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were detected associated with BRLF

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 01/07/2019

Time received: 11:14

Received by: Amy Kubinski

Caller's Contact Information

Name: Liberty Lopez

Date and time detected: 01/04/2019 19:04

Address: 13609 Starwreath Dr, Pearland, TX 77584, USA

Location: 29.569059°N, 95.431228°W

Email:

Odor Description

Type of odor:

Intensity: 7

Duration: None provided

Other notes: The caller reported an odor on the evening of 1/4/18. No description of the odor was given, but an odor intensity of 7 out of 10 was reported.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 49.5°F

Pressure: 30.07 mm

Humidity: 74.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

01/08/2019 10:00

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call we confirmed receipt of the complaint and that an investigation was conducted at the provided location. We informed the complainant of the corrective actions taken.

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 01/07/2019

Complainant: Liberty Lopez

Time: 13:14

Complaint date: 01/04/2019

Investigator: Amy Kubinski

Location: 29.5690715502°N, 95.4312344573°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	01/07/2019 13:14	No reading		Reporting station: KAXH Wind speed: 8.1 mph Wind direction: South Humidity: 74.0% Temperature: 73.0°F Precipitation: 0.0 in Pressure: 30.1 mm Conditions: Overcast

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up investigation at the provided location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 10:28

Received by: Amy Kubinski

Caller's Contact Information

Name: Norma A.

Date and time detected: 12/10/2018 23:00

Address: 2234 Trinity Bay

Location: 29.5652623836°N, 95.4247941566°W

Email:

Odor Description

Type of odor:

Intensity: 8

Duration: None Provided

Other notes: The complainant called on 12/11/18 to report an odor on the evening of 12/10/18. The caller stated the odor seeped into her home and was an aggressive smell. The caller gave the odor an intensity of 8 out of 10, but gave no description of the odor.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 17.3 mph

Wind direction: West

Temperature: 48.6°F

Pressure: 29.97 mm

Humidity: 71.0%

Precipitation: 0.0 in

Conditions: Overcast

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:10

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached, so a voicemail was left. In the voicemail message we confirmed that BRLF received the complaint and explained the installation of the new flare to upgrade the gas collection system on the premises.

Findings and conclusion of the odor investigation:

During the odor investigation, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor control systems were functioning and in operation. An application of odor neutralizing solution was applied to the working face after covering with the daily cover.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Norma A.

Time: 13:45

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5651530067°N, 95.4247928255°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:45	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor control systems were functioning and in operation. An application of odor neutralizing solution was applied to the working face after covering with the daily cover.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

Attachment: 4

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:25

Received by: Amy Kubinski

Caller's Contact Information

Name: Liberty Lopez

Date and time detected: 12/10/2018 21:20

Address: 13609 Starwreath Dr, Pearland, TX 77584, USA

Location: 29.569059°N, 95.431228°W

Email:

Odor Description

Type of odor: Putrid 510

Intensity: 8

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/10/18. The odor was described as acidic and putrid, and was given an odor intensity of 8 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 37.6°F

Pressure: 30.42 mm

Humidity: 87.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:22

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call we confirmed receipt of the complaint, and that an odor investigation was conducted. We stated that because of the complaint we were able to locate the issue and address it.

Findings and conclusion of the odor investigation:

No odors associated with BRLF were found at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF addressed the working face for adequate odor coverage and ensured all odor neutralizing systems were functioning and in operation.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Liberty Lopez

Time: 13:47

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5690356717°N, 95.4311878966°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:47	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

No odors associated with BRLF were found at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF addressed the working face for adequate odor coverage and ensured all odor neutralizing systems were functioning and in operation.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:20

Received by: Amy Kubinski

Caller's Contact Information

Name: Jeremy Simpson

Date and time detected: 12/10/2018 20:57

Address: 2415 Barton Shores Dr, Pearland, TX 77584, USA

Location: 29.566643°N, 95.434188°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/10/18. No description of the odor was given, but an odor intensity of 10 out of 10 was provided.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 39.4°F

Pressure: 30.42 mm

Humidity: 91.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:24

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call with the complainant, we stated that the complaint was received and an investigation was conducted. The complainant brought up concerns about storm water contamination and offsite discharge.

Findings and conclusion of the odor investigation:

During the odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Jeremy Simpson

Time: 13:50

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5666536465°N, 95.4341980548°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:50	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage.

Investigation Type: CMPL
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:19

Received by: Amy Kubinski

Caller's Contact Information

Name: Sara Strang

Date and time detected: 12/10/2018 20:55

Address: 2620 Mountain Sage Dr, Pearland, TX 77584, USA

Location: 29.5633257°N, 95.4383703°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: None Provided

Other notes: The caller reported a strong odor on the evening of 12/10/18. The caller gave the odor an intensity of 10 out of 10, but gave no description of the odor. The caller stated it was burning her eyes and nose.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 39.4°F

Pressure: 30.42 mm

Humidity: 91.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:14

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complainant we stated there was an odor investigation conducted at the location. It was stated that during the time of the complaint there were offsite odors detected in the area, and that the complaint helped to locate and remediate the problem.

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning, in operation, and that all portable odor control units were in the correct position according to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Sara Strang

Time: 13:54

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5633041542°N, 95.4383806809°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:54	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹ Using Nasal Ranger to determine intensity ratio value

² If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³ Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning, in operation, and that all portable odor control units were in the correct position according to wind direction.

Investigation Type: CMPL
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018
Time received: 12:18
Received by: Amy Kubinski

Caller's Contact Information

Name: Teresa Verboon
Date and time detected: 12/10/2018 20:15
Address: 2401 Copper Sky Dr, Pearland, TX 77584, USA
Location: 29.5688282°N, 95.4302458°W
Email:

Odor Description

Type of odor: Landfill Gas 520
Intensity: 8
Duration: 4 hours
Other notes: The complainant reported an odor on the evening of 12/10/18 via email stating a gas odor with an intensity of 8 out of 10 was causing nausea and headache. The complaint then called in at 9:37 pm and 10:23 pm on 12/10/18 to report the same odor occurrence.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH
Wind speed: 0.0 mph
Wind direction:
Temperature: 37.8°F
Pressure: 30.42 mm
Humidity: 91.0%
Precipitation: 0.0 in
Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?
Yes

Follow-up

What was the follow-up method?
Phone

When was the follow-up contact made?
12/11/2018 18:12

Who made the contact?
Chance Seely

What issues were discussed in the follow-up?

During the follow-up call, the Complainant could not be reached so a voicemail was left. In the voicemail message we confirmed that we received the complaint and stated that there were offsite odors detected in the area at the time of the complaint. The follow-up phone call was in response to two phone call complaints and one email complaint all on 12/10/18.

Findings and conclusion of the odor investigation:

During the odor investigation no odors were found that were associated with BRLF. It was noted that the garbage truck was out and collecting trash in the neighborhood during that time.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning and in operation, and that all portable odor control units were in the correct position according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Teresa Verboon

Time: 13:48

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.568821119°N, 95.4303018797°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:48	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation no odors were found that were associated with BRLF. It was noted that the garbage truck was out and collecting trash in the neighborhood during that time.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning and in operation, and that all portable odor control units were in the correct position according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:17

Received by: Amy Kubinski

Caller's Contact Information

Name: Mercedes Quilico

Date and time detected: 12/10/2018 20:07

Address: 2517 Mountain Sage Dr, Pearland, TX 77584, USA

Location: 29.5650033°N, 95.4371014°W

Email:

Odor Description

Type of odor:

Intensity: 8

Duration: None Provided

Other notes: The caller reported a 'nauseating' odor on the evening of 12/10/18. The caller gave no description of the odor, but stated the odor intensity was an 8 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 41.4°F

Pressure: 30.41 mm

Humidity: 86.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:35

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call, BRLF confirmed receipt of the complaint, and stated that the complaint enabled us to find the problem quicker. Once the problem was located, we were able to address it accordingly.

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning, in operation, and that all portable units were in the correct position according to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Mercedes Quilico

Time: 13:53

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5649878273°N, 95.4370920998°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:53	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing solutions were functioning, in operation, and that all portable units were in the correct position according to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:19

Received by: Amy Kubinski

Caller's Contact Information

Name: Ed Mears

Date and time detected: 12/10/2018 19:00

Address: 2827 Moss Lake Ln, Pearland, TX 77584, USA

Location: 29.5590884°N, 95.4165779°W

Email:

Odor Description

Type of odor: Burnt 502, Garbage 506, Tar / Asphalt 722

Intensity: 5

Duration: 4 hours

Other notes: The caller reported an odor on the evening of 12/10/18. The caller described the odor as burning tar that turned into putrid waste, and gave the odor an intensity of 5 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 43.7°F

Pressure: 30.4 mm

Humidity: 75.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 18:16

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complainant, we confirmed we received the complaint and that an odor investigation was conducted. The complainant asked about offsite odor patrols conducted on the day of the complaint, and also inquired about the integrity of the landfill cover.

Findings and conclusion of the odor investigation:

During the odor investigation, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage, and the portable odor control units were adjusted to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Ed Mears

Time: 13:40

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5591139039°N, 95.4165907772°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:40	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: South Humidity: 46.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.35 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage, and the portable odor control units were adjusted to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/10/2018

Time received: 18:32

Received by: Amy Kubinski

Caller's Contact Information

Name: Nick Talabi

Date and time detected: 12/10/2018 18:26

Address: 13002 Shoalwater Ln, Pearland, TX 77584, USA

Location: 29.5586059°N, 95.422327°W

Email:

Odor Description

Type of odor:

Intensity: 9

Duration: None Provided

Other notes: The caller reported a strong odor on the evening of 12/10/18 outside of his place of residence. The caller stated the odor was a 9 out of 10, but did not give a description of the odor.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 47.3°F

Pressure: 30.38 mm

Humidity: 60.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 17:47

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complainant we confirmed that we received the complaint, and stated BRLF conducted an odor investigation shortly after the time of the complaint and did not detect any odors associated with BRLF.

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage, and odor solution was applied as necessary.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/10/2018

Complainant: Nick Talabi

Time: 18:42

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5586031964°N, 95.4223237144°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/10/2018 18:42	No reading		Reporting station: KAXH Wind speed: 0.0 mph Wind direction: Humidity: 64.0% Temperature: 45.9°F Precipitation: 0.0 in Pressure: 30.39 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage, and odor solution was applied as necessary.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/11/2018

Time received: 12:14

Received by: Amy Kubinski

Caller's Contact Information

Name: Sean Kennedy

Date and time detected: 12/10/2018 18:43

Address: 2901 Meadows Pond Ln, Pearland, TX 77584, USA

Location: 29.557555°N, 95.424113°W

Email:

Odor Description

Type of odor: Landfill Gas 520

Intensity: 1

Duration: 1 hour

Other notes: The caller reported an odor on the evening of 12/10/18. The odor was described as landfill gas, but was not given an odor intensity. Per app restrictions, an intensity of 1 was entered to complete the form. The caller also mentioned the deposition and stated the hotline was being used to deviate odor complaints from the TCEQ.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 45.9°F

Pressure: 30.39 mm

Humidity: 64.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/11/2018 17:52

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complaint we stated that we received the complaint and that a follow-up investigation was conducted. The complainant asked about specific site personnel and asked if we knew what was stated in the deposition. We stated that the call was for the purpose of the odor complaint, not to discuss legal actions. The complainant continued to bring up legal issues, and we again stated the purpose of this call is to discuss the odor complaint.

Findings and conclusion of the odor investigation:

No odors were found at this location associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage.

Investigation Type: CMPL
Air Account NO.: FG-0536-E
Attachment: 4
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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/11/2018

Complainant: Sean Kennedy

Time: 13:56

Complaint date: 12/10/2018

Investigator: Amy Kubinski

Location: 29.5574492206°N, 95.4241031272°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/11/2018 13:56	No reading		Reporting station: KAXH Wind speed: 5.8 mph Wind direction: SSE Humidity: 45.0% Temperature: 64.8°F Precipitation: 0.0 in Pressure: 30.34 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

No odors were found at this location associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

Attachment: 4

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/14/2018

Time received: 08:20

Received by: Amy Kubinski

Caller's Contact Information

Name: Ms. Shamilee

Date and time detected: 12/13/2018 18:15

Address: 2416 Ridgebrook Ln, Pearland, TX 77584, USA

Location: 29.5671449°N, 95.42335°W

Email:

Odor Description

Type of odor: Garbage 506, Landfill Gas 520

Intensity: 10

Duration: 2 hours

Other notes: The caller reported a strong odor on the evening of 12/13/18. The odor was described as starting out as a gas odor then turning into a garbage odor. The odor was given an intensity of 10 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 11.5 mph

Wind direction: WNW

Temperature: 66.9°F

Pressure: 29.75 mm

Humidity: 46.0%

Precipitation: 0.0 in

Conditions: Overcast

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/14/2018 15:45

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call we confirmed receipt of the complaint and that an odor investigation was conducted. The complainant stated the smell comes in the early morning and during the night.

Findings and conclusion of the odor investigation:

No odors affiliated with BRLF were detected at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF addressed the working face for adequate odor coverage, and ensured all odor neutralizing systems were functioning properly and in operation.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/14/2018

Complainant: Ms. Shamilee

Time: 12:02

Complaint date: 12/13/2018

Investigator: Amy Kubinski

Location: 29.5671185417°N, 95.4233319779°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/14/2018 12:02	No reading		Reporting station: KAXH Wind speed: 12.7 mph Wind direction: WNW Humidity: 71.0% Temperature: 50.4°F Precipitation: 0.0 in Pressure: 29.99 mm Conditions: Overcast

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

No odors affiliated with BRLF were detected at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF addressed the working face for adequate odor coverage, and ensured all odor neutralizing systems were functioning properly and in operation.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/17/2018

Time received: 10:39

Received by: Amy Kubinski

Caller's Contact Information

Name: Jenneane Garrett

Date and time detected: 12/15/2018 22:15

Address: 13913 Morgan Bay Dr, Pearland, TX 77584, USA

Location: 29.5663022°N, 95.4366823°W

Email:

Odor Description

Type of odor: Garbage 506, Landfill Gas 520

Intensity: 9

Duration: 1 hour

Other notes: The caller reported a strong garbage/ gas type odor on the evening of 12/15/18. The odor was given an intensity of 9 out of 10, and the complainant stated to experience physical symptoms such as burning of the throat and esophagus.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 45.1°F

Pressure: 30.25 mm

Humidity: 67.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/17/2018 16:40

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached so a voicemail was left.

In the message we confirmed that we received the complaint and that an investigation was conducted. We stated there were off site odors detected in the area at the time of the complaint.

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was also assessed for adequate odor system coverage.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/17/2018

Complainant: Jenneane Garrett

Time: 15:38

Complaint date: 12/15/2018

Investigator: Amy Kubinski

Location: 29.5663039714°N, 95.4366953626°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/17/2018 15:38	No reading		Reporting station: KAXH Wind speed: 0.0 mph Wind direction: Humidity: 39.0% Temperature: 74.3°F Precipitation: 0.0 in Pressure: 30.18 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were found associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was also assessed for adequate odor system coverage.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/17/2018

Time received: 10:30

Received by: Amy Kubinski

Caller's Contact Information

Name: Nick Talabi

Date and time detected: 12/16/2018 19:30

Address: 13002 Shoalwater Ln, Pearland, TX 77584, USA

Location: 29.5586059°N, 95.422327°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: None Provided

Other notes: The caller reported a strong odor on the evening of 12/16/18. The odor was given an intensity of 10 out of 10, but no odor description was left.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 52.9°F

Pressure: 30.29 mm

Humidity: 72.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/17/2018 16:37

Who made the contact?

Chance Seely

What issues were discussed in the follow-up?

During the follow-up call to the complainant we confirmed receipt of the complaint, and that an odor investigation was performed. The complainant stated it was a gas/ methanol type odor that he experienced.

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage as well.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/17/2018

Complainant: Nick Talabi

Time: 15:46

Complaint date: 12/16/2018

Investigator: Amy Kubinski

Location: 29.5586063791°N, 95.422334097°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/17/2018 15:46	No reading		Reporting station: KAXH Wind speed: 0.0 mph Wind direction: Humidity: 39.0% Temperature: 74.3°F Precipitation: 0.0 in Pressure: 30.18 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor coverage as well.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/17/2018

Time received: 10:45

Received by: Amy Kubinski

Caller's Contact Information

Name: Norma Amiah

Date and time detected: 12/16/2018 19:58

Address: 2234 Trinity Bay Dr, Pearland, TX 77584, USA

Location: 29.5755297°N, 95.4260165°W

Email:

Odor Description

Type of odor:

Intensity: 7

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/16/18. No description of the odor was given, but an odor intensity of 7 out of 10 was described.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 51.8°F

Pressure: 30.3 mm

Humidity: 92.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/17/2018 16:27

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call to the complainant, we confirmed receipt of the complaint and that an odor investigation was conducted. During the call the complainant stated that the odor was similar to a broken gas line.

Findings and conclusion of the odor investigation:

No odors associated with BRLF were found at this location during the follow-up odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/17/2018

Complainant: Norma Amiah

Time: 15:38

Complaint date: 12/16/2018

Investigator: Amy Kubinski

Location: 29.57552295°N, 95.4259781633°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/17/2018 15:38	No reading		Reporting station: KAXH Wind speed: 0.0 mph Wind direction: Humidity: 39.0% Temperature: 74.3°F Precipitation: 0.0 in Pressure: 30.18 mm Conditions: Clear

¹ Using Nasal Ranger to determine intensity ratio value

² If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³ Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

No odors associated with BRLF were found at this location during the follow-up odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/17/2018

Time received: 10:41

Received by: Amy Kubinski

Caller's Contact Information

Name: Mercedes Quilico

Date and time detected: 12/16/2018 20:02

Address: 2577 Mountain Sage Dr, Pearland, TX 77584, USA

Location: 29.5644835°N, 95.4376313°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/16/18. No description of the odor was given, but an intensity of 10 out of 10 was described.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 51.8°F

Pressure: 30.3 mm

Humidity: 92.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/17/2018 16:24

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached so a voicemail was left.

In the voicemail we confirmed receipt of the complaint and that the complaint enabled us to locate and address the odor.

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/17/2018

Complainant: Mercedes Quilico

Time: 15:34

Complaint date: 12/16/2018

Investigator: Amy Kubinski

Location: 29.5644576101°N, 95.4376092892°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/17/2018 15:34	No reading		Reporting station: KAXH Wind speed: 3.5 mph Wind direction: North Humidity: 38.0% Temperature: 75.2°F Precipitation: 0.0 in Pressure: 30.18 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the follow-up odor investigation, no odors were detected associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

Attachment: 4

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/17/2018

Time received: 10:39

Received by: Amy Kubinski

Caller's Contact Information

Name: Sarah Anthony

Date and time detected: 12/16/2018 21:00

Address: 13810 Juniper Springs Dr, Pearland, TX 77584, USA

Location: 29.5714576°N, 95.434973°W

Email:

Odor Description

Type of odor: Garbage 506

Intensity: 7

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/16/18. The odor was described as a garbage odor with an intensity of 7 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 50.9°F

Pressure: 30.3 mm

Humidity: 83.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/17/2018 16:22

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call to the complainant, we confirmed receipt of the complaint and that an investigation was conducted. We explained the undergoing flare tie-in that impacted the vacuum to the well field which could have lead to potential odors.

Findings and conclusion of the odor investigation:

No odors were detected at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/17/2018

Complainant: Sarah Anthony

Time: 15:42

Complaint date: 12/16/2018

Investigator: Amy Kubinski

Location: 29.5714812209°N, 95.434890213°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/17/2018 15:42	No reading		Reporting station: KAXH Wind speed: 0.0 mph Wind direction: Humidity: 39.0% Temperature: 74.3°F Precipitation: 0.0 in Pressure: 30.18 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

No odors were detected at this location during the odor investigation.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF had gas O&M; onsite to address any potential issues with the flare tie in. All odor neutralizing systems were checked for proper function and placement.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/20/2018

Time received: 10:32

Received by: Amy Kubinski

Caller's Contact Information

Name: Jeneane Garrett

Date and time detected: 12/19/2018 19:48

Address: 13913 Morgan Bay Dr, Pearland, TX 77584, USA

Location: 29.5663022°N, 95.4366823°W

Email:

Odor Description

Type of odor:

Intensity: 9

Duration: None Provided

Other notes: The caller reported an odor on the evening of 12/19/18. The caller gave no odor description but gave an odor intensity of 9 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 0.0 mph

Wind direction:

Temperature: 50.0°F

Pressure: 29.78 mm

Humidity: 95.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/20/2018 17:41

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call to the complainant, we confirmed that we received the complaint and that an investigation was conducted. The complainant described the odor as a 'chemical gas' type smell, and asked about having an on call investigator to report to hotline complaints at night.

Findings and conclusion of the odor investigation:

During the odor investigation at the given location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF ensured that all odor neutralizing systems were functioning and in operation. The working face was assessed for odor system coverage and portable misters were positioned according to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

Attachment: 4

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/20/2018

Complainant: Jeneane Garrett

Time: 12:33

Complaint date: 12/19/2018

Investigator: Amy Kubinski

Location: 29.5663223615°N, 95.4366750996°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/20/2018 12:33	No reading		Reporting station: KAXH Wind speed: 20.7 mph Wind direction: NW Humidity: 46.0% Temperature: 62.2°F Precipitation: 0.0 in Pressure: 29.92 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at the given location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action, the BRLF ensured that all odor neutralizing systems were functioning and in operation. The working face was assessed for odor system coverage and portable misters were positioned according to wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/21/2018

Time received: 09:57

Received by: Amy Kubinski

Caller's Contact Information

Name: Mildred Gomez

Date and time detected: 12/21/2018 06:20

Address: Mountain Sage Dr, Pearland, TX 77584, USA

Location: 29.5643387°N, 95.4376891°W

Email:

Odor Description

Type of odor:

Intensity: 10

Duration: 12 hours+

Other notes: The caller reported a strong odor on the morning of 12/21/18. The caller gave no description of the odor, but stated it started out as a 4 out of 10 and reached a 10 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 4.6 mph

Wind direction: West

Temperature: 39.6°F

Pressure: 30.04 mm

Humidity: 66.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/21/2018 16:21

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call to the complaint we confirmed that we received the complaint and that an odor investigation was conducted.

Findings and conclusion of the odor investigation:

During the odor investigation at the given location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and portable misters were positioned for wind direction.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/21/2018

Complainant: Mildred Gomez

Time: 13:32

Complaint date: 12/21/2018

Investigator: Amy Kubinski

Location: 29.5643485484°N, 95.4376766012°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/21/2018 13:32	No reading		Reporting station: KAXH Wind speed: 9.2 mph Wind direction: NW Humidity: 34.0% Temperature: 61.9°F Precipitation: 0.0 in Pressure: 30.05 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at the given location, no odors associated with BRLF were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and portable misters were positioned for wind direction.

Investigation Type: CMPL
Air Account NO. : FG-0536-E
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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/26/2018

Time received: 12:52

Received by: Amy Kubinski

Caller's Contact Information

Name: Maria Tellez

Date and time detected: 12/21/2018 06:01

Address: 3206 Tamara Creek Ln, Pearland, TX 77584, USA

Location: 29.5511781°N, 95.4283836°W

Email:

Odor Description

Type of odor: Rotten Eggs 513

Intensity: 8

Duration: None provided

Other notes: The complainant left an odor complaint via email on the morning of 12/21/18. The complainant described the odor as a rotten egg smell and gave an odor intensity of 8 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 4.6 mph

Wind direction: West

Temperature: 40.1°F

Pressure: 30.04 mm

Humidity: 63.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

No

Follow-up

What was the follow-up method?

Email

When was the follow-up contact made?

12/28/2018 14:12

Who made the contact?

Mark Meadows

What issues were discussed in the follow-up?

In the follow-up email to the complainant, we confirmed receipt of the complaint and that an investigation was conducted but no odors were found. The complainant was thanked for the email.

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/26/2018

Complainant: Maria Tellez

Time: 13:23

Complaint date: 12/21/2018

Investigator: Amy Kubinski

Location: 29.5511737257°N, 95.4283756112°W

Reading	Date and Time	Odor Intensity ^{1,2}	Odor Descriptors ³	Weather
Initial	12/26/2018 13:23	No reading		Reporting station: KAXH Wind speed: 12.7 mph Wind direction: SE Humidity: 89.0% Temperature: 68.2°F Precipitation: 0.0 in Pressure: 29.88 mm Conditions: Thunderstorm

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors were detected.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and the portable odor neutralizing misters were positioned according to wind direction.

Investigation Type: CMPL

Air Account NO.: FG-0536-E

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Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/26/2018

Time received: 10:12

Received by: Amy Kubinski

Caller's Contact Information

Name: Nick Talabee

Date and time detected: 12/22/2018 11:07

Address: 13002 Shoalwater Ln, Pearland, TX 77584, USA

Location: 29.5586059°N, 95.422327°W

Email:

Odor Description

Type of odor: Burnt 502

Intensity: 10

Duration: None Provided

Other notes: The caller reported an odor on the morning of 11/22/18. The odor was described as a chemical, burning smell with an intensity of 10 out of 10. The caller reported having physical symptoms such as burning of the lungs and eyes.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 9.2 mph

Wind direction: SW

Temperature: 69.8°F

Pressure: 30.04 mm

Humidity: 63.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/26/2018 15:08

Who made the contact?

Mark Meadows

What issues were discussed in the follow-up?

During the follow-up call the complainant could not be reached so a voicemail was left.

In the voicemail message we stated we received the complaint and that an odor investigation was conducted. We stated there were no abnormal operations the day of the complaint.

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors associated with BRLF were found.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and positioned for wind direction.

Investigation Type: CMPL

Air Account NO. : FG-0536-E

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/26/2018

Complainant: Nick Talabee

Time: 13:21

Complaint date: 12/22/2018

Investigator: Amy Kubinski

Location: 29.5586057788°N, 95.4223298048°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/26/2018 13:21	No reading		Reporting station: KAXH Wind speed: 12.7 mph Wind direction: SE Humidity: 89.0% Temperature: 68.2°F Precipitation: 0.0 in Pressure: 29.88 mm Conditions: Thunderstorm

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation at this location, no odors associated with BRLF were found.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation. The working face was assessed for adequate odor system coverage and positioned for wind direction.

Investigation Type: CMPL

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**REPUBLIC
SERVICES**

Odor Complaint Form

*To be completed when a complaint is received from the community
through the 24-hour hot-line/message line*

Complaint Information

Date received: 12/21/2018

Time received: 09:57

Received by: Amy Kubinski

Caller's Contact Information

Name: Nick Talabi

Date and time detected: 12/21/2018 07:30

Address: 13002 Shoalwater Ln, Pearland, TX 77584, USA

Location: 29.5586059°N, 95.422327°W

Email:

Odor Description

Type of odor: Landfill Gas 520

Intensity: 10

Duration: None Provided

Other notes: The caller reported a strong odor on the morning of 12/21/18. The caller stated the odor was a gas smell, with an odor intensity of 10 out of 10.

Weather Conditions at the Time Odors were Detected

Reporting station: KAXH

Wind speed: 9.2 mph

Wind direction: WNW

Temperature: 41.0°F

Pressure: 30.06 mm

Humidity: 69.0%

Precipitation: 0.0 in

Conditions: Clear

Was a complaint regarding an odor within 100 feet of this location received within the past 12 months?

Yes

Follow-up

What was the follow-up method?

Phone

When was the follow-up contact made?

12/21/2018 16:34

Who made the contact?

Amy Kubinski

What issues were discussed in the follow-up?

During the follow-up call we confirmed we received the complaint and that an investigation was conducted. The complaint stated he is having health issues he believes are associated with the odor, but did not describe any symptoms. The complaint also said the smell comes into his bedroom.

Findings and conclusion of the odor investigation:

During the odor investigation, there were no odors detected at this location associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation, and assessed the working face for adequate odor system coverage.

Investigation Type: CMPL

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Field Odor Investigations

To be completed when a complaint is received and needs to be investigated or landfill odors are detected by site personnel

Date: 12/21/2018

Complainant: Nick Talabi

Time: 13:27

Complaint date: 12/21/2018

Investigator: Amy Kubinski

Location: 29.5586187812°N, 95.4222908138°W

Reading	Date and Time	Odor Intensity ^{1, 2}	Odor Descriptors ³	Weather
Initial	12/21/2018 13:27	No reading		Reporting station: KAXH Wind speed: 9.2 mph Wind direction: NW Humidity: 34.0% Temperature: 61.9°F Precipitation: 0.0 in Pressure: 30.05 mm Conditions: Clear

¹Using Nasal Ranger to determine intensity ratio value

²If the Intensity is at 7 or greater using the Nasal Ranger, corrective action is initiated and the location is remonitored

³Using the standardized terminology outlined in Appendix 7

Findings and conclusion of the odor investigation:

During the odor investigation, there were no odors detected at this location associated with BRLF.

Corrective action taken as outlined in the BRLF Odor Control Plan:

As corrective action the BRLF ensured all odor neutralizing systems were functioning and in operation, and assessed the working face for adequate odor system coverage.

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Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Mr. Robert Upton, Interim Public Works Director
City of Pearland
3501 East Orange Street
Pearland, Texas, 77581

**Re: Notification of Class 1 Surface Emission Monitoring
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, TX 77545
MSW Permit No: 1505A**

Dear Mr. Upton,

As part of the settlement agreement between the City of Pearland (City) and Blue Ridge Landfill TX, LP (Blue Ridge), this letter is being submitted to notify the City that Blue Ridge will start the next 2018 Class 1 Surface Emission Monitoring (SEM) on November 26, 2018. Blue Ridge is obligated to provide a fourteen day notice to the City of the dates for the emission monitoring so that a City representative may observe the monitoring activity.

Please note that the monitoring event may be rescheduled due to conditions outside of the control of the facility. Such conditions include, but are not limited to, weather events and scheduling conflicts with the consultants. If this should occur, the facility will notify the City of Pearland immediately of any change.

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, appearing to read "Burgess Stengl".

Burgess Stengl
Environmental Manager

Cc: Mrs. Andrea Brinkley, Assistant Public Works Director
Tim Telepak, Tetra Tech
Mark Meadows, Blue Ridge Landfill

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
Page : 92 of 95



November 5, 2018

Mr. Jason Ybarra, Waste Section Manager
Texas Commission on Environmental Quality
Region 12 Office
5425 Polk St., Ste. H
Houston, TX 77023-1452

Investigation Type: CMPL
Air Account NO. : FG-0536-E
Attachment: 4
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Dear Mr. Ybarra,

As part of the Texas Commission on Environmental Quality (TCEQ) Agreed Order No. 2016-1923-AIR-E, Section IV, 3.b.iii.4., and Section 5.2 of the approved April 2018 Blue Ridge Odor Control Plan, Blue Ridge Landfill TX, LP (Blue Ridge) is notifying the TCEQ Region 12 Office that the next 2018 surface emission monitoring will begin on November 26, 2018. Blue Ridge is obligated to provide at least 72 hours (five business days) notice to the TCEQ Region 12 Office of the dates for the emission monitoring.

Please note that the monitoring event may be rescheduled due to conditions outside of the control of the facility. Such conditions include, but are not limited to, weather events and scheduling conflicts with the consultants. If this should occur, the facility will notify the TCEQ Region 12 immediately of any change.

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, appearing to read "Burgess Stengl".

Burgess Stengl
Environmental Manager

Cc: Mark Meadows, Blue Ridge Landfill
Tim Telepak - Tetra Tech

ORIGIN ID LKSA BURGESS STENGL 5757A OATES RD HOUSTON, TX 77078 UNITED STATES US		(713) 671-1561 SHIP DATE: 05NOV18 ACTWGT: 0.50 LB CAD: 101557183NET4040
TO ROBERT UPTON, INTERIM DIRECTOR CITY OF PEARLAND PUBLIC WORKS 3501 EAST ORANGE STREET PEARLAND TX 77581 (281) 652-1900 TX		BILL SENDER

TRK# 7736 4296 5374 0201 43 GLSA TX-US IAH 77581	TUE - 06 NOV 3:00P STANDARD OVERNIGHT
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53211GHE7DCAG

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Investigation Type: CMPL
 Air Account NO.: FG-0536-E
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ORIGIN ID: LKSA (713) 676-7669
BURGESS STENGL
5757A OAKES RD.
HOUSTON, TX 77078
UNITED STATES US

SHIP DATE: 05NOV18
ACTWT: 0.50 LB
CAD: 101557183NET4040
BILL SENDER

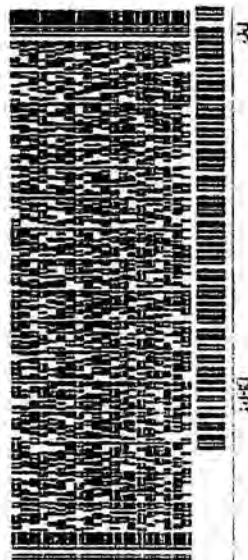
TO JASON YBARRA, WASTE SECT. MANAGER

TCEQ REGION 12

5425 POLK ST STE H

HOUSTON TX 77023

(713) 767-3500
REF

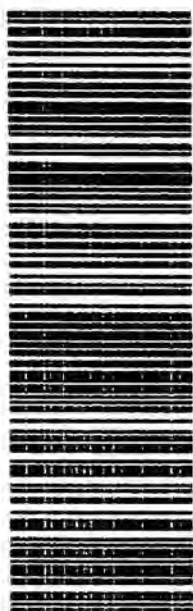


TRK 7736 4296 0762
0201

TUE - 06 NOV 3:00P
STANDARD OVERNIGHT

43 EIXA

77023
TX-US IAH



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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 6, 2019

Mr. Scott Trebus
Area Environmental Manager
Blue Ridge Landfill
Post Office Box 879
Fresno, Texas 77545

Re: Complaint Investigation Conducted at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas
TCEQ ID No.: FG-0536-E, FOP No.: O-1472, Investigation No.: 1537446, Incident No.:
299233, 299253, 299313, 299326, 299344, 299350, 299355, 299362, and 299369

Dear Mr. Trebus:

From December 7, 2018 through December 21, 2018, the Houston Region Office of the Texas Commission on Environmental Quality (TCEQ) received 114 complaints concerning activities performed at your facility. In response to these complaints, Ms. Bernhagen and Mr. Lay, investigators with Emergency Response, conducted an investigation on December 10, 2018. An additional investigation was conducted by Mr. David Broussard and Ms. Fraietta, investigators with the Air Section, conducted an investigation on December 16, 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 Mr. Broussard at (713) 767-3630.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Horton".

Chris Horton
Team Leader, Air Section
Houston Region Office

CH/DB/dc