

AIR CP_105610102_CP_20170413_INVESTIGATION_1408119_
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 # 1408119

Investigator: TOM PINKSTON

Conducted: 04/13/2017 -- 04/13/2017

Program(s): AIR OPERATING PERMITS

Investigation Type: Site Assessment

Additional ID(s): FG0536E
1472

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

Incident Numbers

Site Classification MAJOR SOURCE

NAIC Code: 562212

SIC Code: 4953

SIC Code: 1521

Location: LOCATED ON 2200 FM 521

Local Unit: REGION 12 - HOUSTON

Activity Type(s): FIAIRODOR - AIR FIAIRODOR - FOC
INV ODOR SURVEY

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

Role

Title

Name

Phone

REGULATED
ENTITY
CONTACT

LANDFILL
OPERATIONS
MANAGER

MR MATT
MONTAGNA

Office (281) 668-9739

Other Staff Member(s):

Role

Name

Investigator
Investigator
Investigator
QA Reviewer
Investigator
Supervisor
Investigator

JUSTIN MAYWORN
CARLOS GRIGGS
GREGORY CROOK
LETASHA MILLER
SETH TATE
LETASHA MILLER
SAMUEL CORTEZ

Associated Check List

Checklist Name

Unit Name

AIR GENERIC INVESTIGATION (10 ITEMS)
EQUIPMENT MONITORING AND SAMPLING -
REVISED 3/2015
AIR FOCUSED INVESTIGATION - ODOR SURVEY

Blue Ridge LF
Blue Ridge LF
Pearland

Investigation Comments:

INTRODUCTION/ INVESTIGATION SUMMARY

Introduction

On April 13, 2017, Environmental Investigators Mr. Tom Pinkston, Mr. Samuel Cortez, Mr. Chris Crook, Mr. Carlos Griggs, Mr. Justin Mayworn, and Mr. Seth Tate of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted a focused odor survey investigation in the Fort Bend, Brazoria, and Harris counties in the vicinity of the Shadow Creek Ranch (SCR) subdivision. The purpose of this investigation (Investigation Typecode FIAIRODOR) was to survey the area for odor sources.

Investigation Narrative

Thursday, April 13, 2017

At 04:45, the investigators arrived at the vicinity of SCR, conducted calibrations of equipment, and separated into two teams. Team 1 consisted of Mr. Tom Pinkston, Mr. Sam Cortez, Mr. Carlos Griggs, and Mr. Seth Tate. Team 1 was to conduct odor surveys in the area north and west of Blue Ridge Landfill. The general boundaries of this area east, south, west, and north were FM 521, McHard Road, Blue Ridge Road, and Beltway 8, respectively (Attachment 1, Maps - Odor Survey Routes). Mr. Justin Mayworn and Mr. Chris Crook were in Team 2 and conducted odor surveys in the general area of SCR subdivision. Team 2's general boundaries north, south, west, and east were Shadow Creek Parkway, Evergreen Street, FM 521, and Kirby Drive. Both teams were equipped with a MultiRAE gas detector (MultiRAE), capable of detecting Volatile Organic Materials (VOCs) and Hydrogen Sulfide (H₂S), and a Toxic Vapor Analyzer 1000B (TVA), capable of quantifying VOCs. The investigators also brought a Jerome 631, capable of quantifying H₂S, but this instrument became unusable due to high humidity.

The surrounding land use is a mix of residential, industrial, and commercial. The terrain is flat with sporadic forest. Where specified in the report weather data was taken from a handheld weather device, other weather data was taken from the Continuous Air Monitoring Station at 4503 Croix Parkway, Manvel, TX. The temperatures ranged from 66 °F to 71 °F. There were foggy conditions with 100% humidity during most of the investigation. Winds ranged from 0 to 7 miles per hour (mph) with an average wind speed of 3.5 mph from the east southeast at 88°.

Team 1 started an odor survey on McHard Road at FM 521 moving west. The team surveyed the boarder of their assigned area traveling along McHard Road, South Post Oak Road, Court Road Hiram Clark Road, (Attachment 1 Maps- Odor Survey Routes, a. Team 1 Odor Survey). At this point a very light sewage odor was detected along near Clark Springs Drive. Upon stopping, the odor was no longer detectible. Since predominant winds were out of the east, the investigators continued along Clark Springs Drive to Beltway 8, and FM 521. Then from McHard Road, the team moved north, surveying West Drive and Bluebonnet Road with the intention of determining if the odor was from a source east of West Drive or south of Bluebonnet Drive. No odor was detected.

At 06:00, Team 1 returned to the area of Hiram Clark Road and Clark Springs Drive, placing the investigators directly west of Lone Star Disposal and Recycling Facility to document the odor. During this time the odor was described as sewage and decomposing vegetable matter, associated to odors found in a swamp, and characterized as offensive. An odor Intensity time log documenting 20 minutes was completed. The weighted average intensity was very light. The TVA and MiniRAE devices showed no detectible levels of Volatile Organic Compounds, Hydrogen Sulfide, or Sulfur Dioxide. It was noted that the ground to the east appeared highly saturated and the odor appeared to be due to naturally occurring vegetative decay.

At 06:50 Team 1 moved to the industrial area on the south side of McHard Road and east of Post Oak Road (Attachment 1 Maps - Odor Survey Routes, a. Team 1 Odor Survey). An odor intensity time log was conducted here, however, no odors were detected (Attachment 2 Odor Logs).

From 07:20 to 08:20 Team 1 continued through the Team 1 survey area (Attachment 1 Maps - Odor Survey Routes, a. Team 1 Odor Survey). No odors were detected.

At 08:20 hours the investigators moved to McIntyre Lane and McHard Road (Attachment 1 Maps - Odor Survey Routes, a. Team 1 Odor Survey). Team 1 investigators remained at this location until 08:30. No odors were

detected.

At 05:00, Team 2 began an odor survey moving west along Shadow Creek Parkway then south along FM 521, which runs along Blue Ridge Landfill's east border. No odor was detected. From FM 521 and Broadway, Team 2 proceeded to Windward Bay Drive and into SCR and a patrol of the odor survey area (Attachment 1 Maps - Odor Survey Routes, b. Team 2 Odor Survey). No odor was detected. TVA and MultiRAE were used, no detectable levels of VOCs or H₂S were detected.

At 05:40 Team 2 began a 15 minute monitoring of target points. These points are mapped in Attachment 1 by the numbers 1 through 6 and the time Team 2 began monitoring. No odor was detected. The TVA and MultiRAE detected no VOCs or H₂S. (Attachment 1 Maps - Odor Survey Routes, b. Team 2 Odor Survey)

Exit Interview

An exit interview was not conducted.

GENERAL FACILITY AND PROCESS INFORMATION

Process Description

Blue Ridge Landfill is a municipal solid waste landfill with a landfill gas collection and control system.

BACKGROUND

Agreed Orders, Court Orders, and Other Compliance Agreements

Agreed Order Docket No. 2016-1923-AIR-E was proposed as a result of the Notices of Enforcement discussed below. Based on review of CCEDS and the regional office files during the past five years, there were no other agreed orders, court orders, or other compliance agreements for the site.

Prior Enforcement Issues

Based on a review of CCEDS and the regional office files, five violations were issued by the TCEQ to the alleged source during the past five years. There are no repeat violations. Additionally, there are three open enforcement actions with the facility. For details, see investigation numbers 1331231, 1370033, and 1376757; and associated violation tracking numbers 615250 (Category A10a), 627731 (Category A9c) and 633990 (Category C3), respectively.

Complaints

Based on a review of CCEDS and Regional Office records, there have been hundreds of odor complaints received within the survey areas and numerous investigations related to odors. Many of these specifically identified Blue Ridge Landfill as the source.

ADDITIONAL INFORMATION

Conclusions, Recommendations, and Current Enforcement Actions

During the investigation, one odor was detected, however upon investigating this odor, it appeared to be naturally occurring vegetative decomposition. The TVAs detected no VOCs, and the MultiRAEs detected no VOCs or H₂S.

No other odors were detected.

Additional Issues

No additional issues were noted during this investigation.

REPORT ATTACHMENTS

1. Maps - Odor Survey Routes
2. Odor Logs

No Violations Associated to this Investigation

Signed

Tom Jones
Environmental Investigator

Date 5/30/2017

Signed

Lester Miller
Supervisor

Date 5/30/2017

Attachments: (in order of final report submittal)

___ Enforcement Action Request (EAR)

___ Maps, Plans, Sketches

___ Letter to Facility (specify type) : _____

___ Photographs

___ Investigation Report

___ Correspondence from the facility

___ Sample Analysis Results

___ Other (specify) : _____

___ Manifests

___ Notice of Registration

Attachment 1
Maps – Odor Survey Routes

Investigation #1408119

RN102610102

Blue Ridge Landfill

April 13, 2017

a. Team 1 Odor Survey



b. Team 2 Odor Survey



Attachment 2

Odor Logs

Investigation #1408119

RN102610102

Blue Ridge Landfill

April 13, 2017

Team 2

#1

Supplemental Investigator's Odor Intensity Time Log

wind: East to west

Date of Investigation: 4/13/2017 Start Time: 5:40

~~Point D~~

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Wastewater
Treatment plant

GPS: Lat 29.5781
Long -95.4073

Team 2

Supplemental Investigator's Odor Intensity Time Log

 Date of Investigation: 4/13/17 Start Time: 0540
~~Print~~

Minutes	Odor Intensity VL, L, M, S, VS
1 min	—
2	—
3	—
4	—
5	—
6	—
7	—
8	—
9	—
10	—
11	—
12	—
13	—
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
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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						

 Wind: East to west
0-10 mph

 GPS: Lat: 29.5781
Long: -95.4073

Team 2

#2

Supplemental Investigator's Odor Intensity Time Log

Wind - east to west

Date of Investigation: 4/13/2017 Start Time: 6:25

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
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42	
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E

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Sewer Lift Station

Lat 29.5729
Long -95.4224

Team 2

Supplemental Investigator's Odor Intensity Time Log

 Date of Investigation: 4/13/17 Start Time: 0625

Minutes	Odor Intensity VL, L, M, S, VS
1 min	~
2	~
3	~
4	~
5	~
6	~
7	~
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10	~
11	~
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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34	
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42	
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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						

 GPS: Lat: 29.5729
 Long: -95.4224

 Wind: East to west
 0-10 mph

#3

Team 2

Supplemental Investigator's Odor Intensity Time Log

Wind -
east to
west
0-10
mphDate of Investigation: 4/13/2017 Start Time: 6:54

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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34	
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42	
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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						

Lat 29.5760
Long -95.4330

Team ~

Supplemental Investigator's Odor Intensity Time Log

 Date of Investigation: 4/13/17 Start Time: 0654

Minutes	Odor Intensity VL, L, M, S, VS
1 min	—
2	—
3	—
4	—
5	—
6	—
7	—
8	—
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10	—
11	—
12	—
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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34	
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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						

 GPS: Lat: 29.5750
 Long: -95.4338

~~La~~ Wind: east to west
 0-10 mph

#4

Team 2

Wind:
East to
west

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/2017 Start Time: 7:20

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
16	
17	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
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42	
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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						

Lat - 29.5658
Long - -95.4371

4

Team 2

4

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 0720

Minutes	Odor Intensity VL, L, M, S, VS
1 min	—
2	—
3	—
4	—
5	—
6	—
7	—
8	—
9	—
10	—
11	—
12	—
13	—
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
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42	
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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						

GPS: Lat: 29.5658
Long: -95.4371

Wind: east to west
0-10 mph

5

Team 2

5

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 0755

Minutes	Odor Intensity VL, L, M, S, VS
1 min	—
2	—
3	—
4	—
5	—
6	—
7	—
8	—
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10	—
11	—
12	—
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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42	
43	
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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						

GPS: Lat: 29.5589

Long: -95.4396

Wind: east to west

0-10 mph

#5

Item 2

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/2017 Start Time: 7:55wind:
east to
west
0-10
mph

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
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42	
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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						

Lat - 29.5589
Long - -95.4396

#6

Team 2

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/2017 Start Time: 9:25
SynTechWind:
east to
west
0-10 mph

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor
2	No odor
3	No odor
4	No odor
5	No odor
6	No odor
7	No odor
8	No odor
9	No odor
10	No odor
11	No odor
12	No odor
13	No odor
14	No odor
15	No odor
16	
17	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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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						

Lat - 29.3872

Long - -95.4046

Team~

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 08205

Minutes	Odor Intensity VL, L, M, S, VS
1 min	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	
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29	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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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						

GPS: Lat: 29.5871
Long: -95.4046

Wind: East to West
0-10 mph

T 1 #1

Team 1 Odor survey A

TP

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/2017 Start Time: 06:00 - 6:20

Minutes	Odor Intensity VL, L, M, S, VS
1 min	VL
2	VL
3	VL
4	VL
5	VL
6	VL
7	VL
8	VL
9	VL
10	VL
11	VL
12	VL
13	VL
14	VL
15	VL
16	VL
17	VL
18	VL
19	VL
20	VL
21	
22	
23	
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27	
28	
29	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
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Offensiveness: Highly _____ Offensive X Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor
1 Min			1	1	2	TP
10 Min						8-15
1 Hour						

T1 #1

Team 1 odor survey A

SC

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 06:00

Minutes	Odor Intensity VL, L, M, S, VS
1 min 00	L/M
2 01	VL
3 02	VL
4 03	—
5 04	VL
6 05	—
7 06	—
8 07	—
9 08	—
10 09	—
11 10	—
12 11	—
13 12	—
14 13	—
15 14	VL
16 15	—
17 16	VL
18 17	—
19 18	—
20 19	—
21 20	—
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
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42	
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58	
59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

ST1 T1 #1

Team 1 Odor Survey A

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 0606

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

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
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57	
58	
59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

T1: #2

Odor Survey B

N 29° 34' 50.0"

W 95° 27' 55.9"

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/2017

Start Time: 0650 720 NO Detect

29.5 041
95, 46543

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	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
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41	
42	
43	
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59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

T1# 2

ODOR Survey B

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 6:50 am

Minutes	Odor Intensity VL, L, M, S, VS
1 min 6:50	—
2 6:51	—
3 6:52	—
4 6:53	—
5 6:54	—
6 6:55	—
7 6:56	—
8 6:57	—
9 6:58	—
10 6:59	—
11 7:00	—
12 01	—
13 02	—
14 03	—
15 04	—
16 05	—
17 06	—
18 07	—
19 08	—
20 09	—
21 10	—
22 11	—
23 12	—
24 13	—
25 14	—
26 15	—
27 16	—
28 17	—
29 18	—
30 19	—

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
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41	
42	
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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						

T1 #2

ODOR Survey B

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 6:50 am

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

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
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34	
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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						

52

T#2

O'Donoghue B

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4/13/17 Start Time: 0650

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	—

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

