

MSW PA_1505A_CP_20181112_Investigation
Texas Commission on Environmental Quality
Investigation Report

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

Regulated Entity Name: BLUE RIDGE LANDFILL

Regulated Entity Number: RN102610102

Investigation # 1530595

Incident Numbers

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

Investigator: REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 11/12/2018 -- 11/16/2018

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

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

Local Unit: REGION 12 - HOUSTON

Activity Type(s): MSWCMPL - Investigation of MSW
complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

BLUE RIDGE LANDFILL - FRESNO

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

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Role	Title	Name	Phone
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone (281) 835-6142
PARTICIPATED IN	DIVISION MANAGER	MR MARK MEADOWS	Phone (281) 668-9739
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669

Other Staff Member(s):

Role	Name
QA Reviewer	BETHANY BATCHELOR
Supervisor	ALMA JEFFERSON
Investigator	CARLOS GRIGGS

Associated Check List

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

Investigation Comments:**INTRODUCTION**

On November 14, 15 and 16, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 39 complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545. The odors were alleged to have occurred on November 13, 14, 15 and 16, 2018.

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

BACKGROUND

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

GENERAL FACILITY AND PROCESS INFORMATION

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

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

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The waste acceptance hours are Monday through Friday, 4:00 a.m. to 5:00 p.m., and Saturdays from 5:30 a.m. to 12:00 p.m. The surrounding land use includes industrial facilities and residential subdivisions.

Complainant Information:

TCEQ Incident Nos. 297319, 297320, 297322, 297323, 297324, 297325, 297326, 297331, 297340, 297343, 297344, 297347, 297352, 297356, 297357, 297360, 297361, 297362, 297388, 297389, 297390, 297392, 297395, 297396, 297398, 297400, 297401, 297402, 297403, 297404, 297405, 297406, 297531, 297532, 297533, 297534, 297535, 297536 and 297537.

Description of Alleged Effects:

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

Meteorological data at the time of the odor survey:

Date: November 16, 2018

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

Wind Speed: 0.4 – 1.1 mph

Outdoor Temperature: 42.1 – 42.6 °F

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

Odor Survey (OS):

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

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

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

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

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

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

Summary of the on-site investigation:

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

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

Description of Odor:

BLUE RIDGE LANDFILL - FRESNO

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No odors were detected during the odor survey.

Description of the Effects on the Investigator:

No health effects were experienced by the investigators.

Description of the Terrain Features of the Area:

Terrain is flat with residences and businesses.

Location of the Source of the Odor:

No odors were detected off-site by the investigators.

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

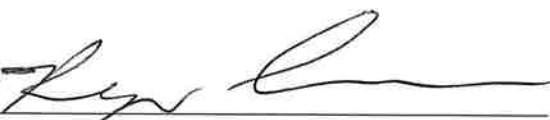
According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive". Landfill garbage odors were previously detected coming from the direction of BRL on September 20, October 18 and 28, 2018. Therefore, the frequency of odors documented by the investigator is a monthly occurrence.

CONCLUSION

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

No Violations Associated to this Investigation

Signed

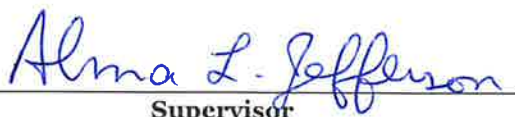


Environmental Investigator

Date

12/12/2018

Signed



Supervisor

Date

12/12/2018

BLUE RIDGE LANDFILL - FRESNO

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Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type) : No Action letter

☐ Investigation Report

☐ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☐ Photographs

☐ Correspondence from the facility

☒ Other (specify) :

See List of Attachments

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 12, 2018

Mr. Burgess Stengl
Environmental Manager
Blue Ridge Landfill TX LP
P O Box 879
Fresno, Texas 77545

Re: Investigation Request at:
Blue Ridge Landfill, 2200 FM 521 Rd, Fresno (Fort Bend County), Texas
Regulated Entity No.: 102610102
TCEQ MSW Permit No.: 1505A
Investigation No.: 1530595

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on November 14 - 16, 2018, requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Reyna L. Loosmore and Mr. Carlos Griggs of this office conducted an investigation on November 16, 2018. No violations are being alleged as a result of the investigation.

For more information about our complaint process, you may access the publication GI-278: *Do You Want to Make an Environmental Complaint? Do You Have Information or Evidence?* on our website at www.tceq.texas.gov.

We appreciate your assistance in this matter and your interest in protecting the quality of our environment. If you have any questions concerning these findings, or if we can be of further assistance, please contact Ms. Loosmore at this office (713) 767-3706.

Sincerely,

A handwritten signature in black ink that reads "Alma L. Jefferson".

Alma L. Jefferson
Manager, Waste Section
Houston Region Office

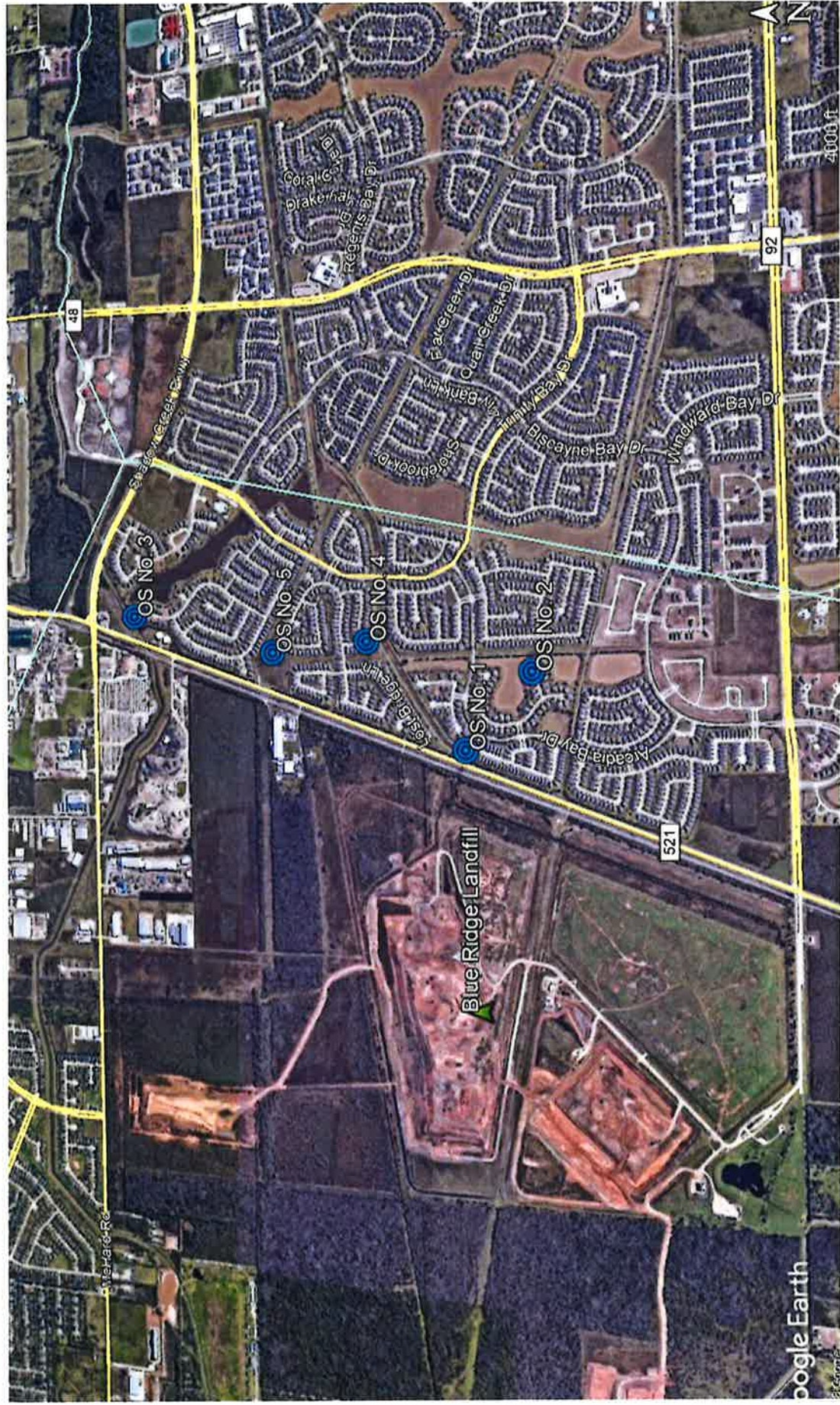
ALJ/RLL/na

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

List of Attachments

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

ATTACHMENT 1



TCEQ Waste Section

November 16, 2018 Odor Surveys

Parameter Measured	Morning												Afternoon							
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	
<u>Nitric Oxide</u>	0.2	0.1	-0.1	0.1	0.5	8.0	24.5	55.9	22.6	5.9	1.8	0.4	0.1	-0.1	0.0	-0.1	0.0	0.0	-0.0	
<u>Nitrogen Dioxide</u>	16.5	13.1	10.4	10.2	13.3	15.6	21.4	18.5	21.7	20.5	10.2	4.2	2.2	2.0	1.9	2.0	4.5	11.6	12.2	
<u>Oxides of Nitrogen</u>	17.0	13.5	10.5	10.5	14.1	23.8	46.4	75.3	44.9	26.6	12.2	4.7	2.3	1.9	1.9	2.0	4.6	11.9	12.3	
<u>Ozone</u>	5	5	5	6	3	0	0	0	9	24	38	47	49	50	50	53	55	47	40	
<u>Wind Speed</u>	1.7	1.7	1.0	0.4	0.4	0.5	1.1	1.1	1.4	3.0	3.5	3.8	5.1	5.1	5.6	5.0	7.4	6.2	4.0	
<u>Resultant Wind Speed</u>	1.6	1.7	0.9	0.3	0.4	0.2	0.8	1.0	0.8	2.7	3.0	2.6	4.3	4.5	4.6	4.4	6.8	6.1	3.9	
<u>Resultant Wind Direction</u>	162	171	195	74	82	130	112	54	281	289	266	242	191	192	184	205	170	153	135	
<u>Maximum Wind Gust</u>	2.4	2.5	1.5	1.3	1.3	1.6	2.0	1.9	4.3	6.2	9.1	10.0	15.4	12.6	12.4	10.9	15.3	10.9	6.9	
<u>Std. Dev. Wind Direction</u>	10	10	25	52	25	58	41	24	54	25	31	46	32	29	34	28	23	11	11	
<u>Outdoor Temperature</u>	43.2	42.3	42.4	42.2	42.6	42.6	42.1	44.2	50.4	55.8	60.6	64.4	66.2	67.4	67.8	68.2	66.2	60.5	57.0	
Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	
	Morning												Afternoon							
Maximum values for each parameter are bold within the table. Minimum values are bold italic .																				
R - Data from this instrument meets EPA quality assurance criteria for regulatory purposes.																				

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in local standard time unless otherwise indicated.

Following EPA reporting guidelines, negative values may be displayed in our hourly criteria air quality data, down to the negative of the EPA listed Method Detection Limit (MDL) for the particular instrument that made the measurements. The reported concentrations can be negative due to zero drift in the electronic instrument output, data logger channel, or calibration adjustments to the data. Prior to 1/1/2013, slightly negative values were automatically set to zero.

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Last Modified Tuesday, 30 Jan 2018

0.5.1

Supplemental Investigator's Odor Intensity Time Log

Investigator: Rayna Loosmore Location: 2500 block of Mountain Sage Dr.
 Date of Investigation: November 16, 2018 Start Time: 3:17 am

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	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
24	No odor
25	No odor
26	No odor
27	No odor
28	No odor
29	No odor
30	No odor

Minutes	Odor Intensity VL, L, M, S, VS
31 min	No odor
32	No odor
33	No odor
34	No odor
35	No odor
36	No odor
37	No odor
38	No odor
39	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

O.S. 2

Supplemental Investigator's Odor Intensity Time Log

Investigator: Rayna Lasmore Location: 13000 Black Rose Bay Ct
 Date of Investigation: November 16, 2018 Start Time: 4:20 a.m.

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	No Odor
17	No Odor
18	No Odor
19	No Odor
20	No Odor
21	No Odor
22	No Odor
23	No Odor
24	No Odor
25	No Odor
26	No Odor
27	No Odor
28	No Odor
29	No Odor
30	No Odor

Minutes	Odor Intensity VL, L, M, S, VS
31 min	No Odor
32	No Odor
33	No Odor
34	No Odor
35	No Odor
36	No Odor
37	No Odor
38	No Odor
39	No Odor
40	No Odor
41	No Odor
42	No Odor
43	No Odor
44	No Odor
45	No Odor
46	No Odor
47	No Odor
48	No Odor
49	No Odor
50	No Odor
51	No Odor
52	No Odor
53	No Odor
54	No Odor
55	No Odor
56	No Odor
57	No Odor
58	No Odor
59	No Odor
60	No Odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

0.5. 3

1900 Block of Cayman Bend Lane

Supplemental Investigator's Odor Intensity Time Log

Investigator: Carlos BriggsLocation: 1900 Cayman Bend LaneDate of Investigation: 11/14/18Start Time: 4:24 am

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	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
24	No odor
25	No odor
26	No odor
27	No odor
28	No odor
29	No odor
30	No odor

Minutes	Odor Intensity VL, L, M, S, VS
31 min	No odor
32	No odor
33	No odor
34	No odor
35	No odor
36	No odor
37	No odor
38	No odor
39	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

0.5.4

Supplemental Investigator's Odor Intensity Time Log

Investigator: Reynald Asmore

Location: 2300 Black Lilac Breeze Ln

Date of Investigation: November 16, 2018

Start Time: 5:25 am

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	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
24	No odor
25	No odor
26	No odor
27	No odor
28	No odor
29	No odor
30	No odor

Minutes	Odor Intensity VL, L, M, S, VS
31 min	No odor
32	No odor
33	No odor
34	No odor
35	No odor
36	No odor
37	No odor
38	No odor
39	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

O. S. 5

Supplemental Investigator's Odor Intensity Time Log

Investigator: Carlos GriggsLocation: 13000 Block of Rainwater DriveDate of Investigation: 11/16/18Start Time: 5:28 am

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	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
24	No odor
25	No odor
26	No odor
27	No odor
28	No odor
29	No odor
30	No odor

Minutes	Odor Intensity VL, L, M, S, VS
31 min	No odor
32	No odor
33	No odor
34	No odor
35	No odor
36	No odor
37	No odor
38	No odor
39	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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