

Texas Commission on Environmental Quality Investigation Report

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Customer: Generic Incident Principal
Customer Number: CN602295370

Regulated Entity Name: GENERIC INCIDENT ZIP CODE 77584

Regulated Entity Number: RN104046545

Investigation # 1478243

Incident Numbers

Investigator: ISAIAH LONGORIA

Site Classification

Conducted: 03/16/2018 -- 03/16/2018

No Industry Code Assigned

Program(s): WASTEWATER
WATER QUALITY NON PERMITTED

Investigation Type: Compliance Investigation

Location:

Additional ID(s):

Address: ,
, ,

Local Unit: REGION 12 - HOUSTON

Activity Type(s): WWRECONMAJ - WW Major Recon

Principal(s):

Role	Name
RESPONDENT	GENERIC INCIDENT PRINCIPAL

Contact(s):

Role	Title	Name	Phone
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Other Staff Member(s):

Role	Name
Supervisor	WESTIN MASSEY
Office System Administratic	
QA Reviewer	MEIJIE LU

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
WQ COMPLIANCE CHECK/RECONNAISSANCE INVESTIGATION	RECON

Investigation Comments:

INTRODUCTION

On March 16, 2018, Mr. Isaiah Longoria, Environmental Investigator of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, conducted a focused odor survey investigation in the City of Pearland and in Fort Bend, Brazoria, and Harris counties in the west Pearland area. The purpose of this investigation was to conduct odor surveys to determine if odors were present in the area and identify potential sources. See Attachment 1 for an aerial view of the area.

Investigation Narrative

The investigation took place on March 16, 2018. The surrounding land use is a mix of residential, industrial, and commercial areas. The terrain is flat with sporadic forest. Meteorological conditions were as follows: Cloud Cover: overcast; Temperature: 68°-71.10 Fahrenheit; Wind Direction: approximately south-southwest; Wind Speed: approximately 8-10 miles per hour; Precipitation: 0.0 inches; Source of Meteorological Conditions: Weather Underground (KTXPEARL60) See Attachment 2 – Meteorological Data. The primary odor survey activities were conducted in zip code 77584; some portions of the odor survey activities may have also included portions of zip codes 77053, 77545, 77583 and 77047.

The investigator arrived at the lift station on Biscayne Bay Drive (Attachment 1—Survey Location 1) at 9:45 AM and conducted a 15-minute odor survey northwest of the lift station (Attachment 3—Log 1). No odors were detected.

The investigator arrived at Energy Transfer odorizing station along FM 521 (Attachment 1 – Survey Location 2) at 10:05 AM and conducted a 15-minute odor survey northeast of the station (Attachment 3 – Log 2). No odors were detected.

The investigator arrived north, at the intersection of McHard Road and Hiram Clarke Road (Attachment 1—Survey Location 3), of the Blue Ridge Landfill at 10:26 AM and conducted a 15-minute odor survey (Attachment 3 – Log 3). No odors were detected.

The investigator arrived northeast, along the South Sam Houston Parkway West frontage road (Attachment 1 – Survey Location 4), of the Lonestar Recycling and Disposal Facility at 10:45 AM and conducted a 15-minute odor survey (Attachment 3 – Log 4). No odors were detected.

The investigator arrived north, west of the intersection of Feld Drive and Bluebonnet Drive (Attachment 1 – Survey Location 5), of the Akzo Nobel facility at 11:08 AM and conducted a 15-minute odor survey (Attachment 3 – Log 5). No odors were detected.

The investigator arrived northeast, at the northern terminus of Reflection Bay road (Attachment 1—Survey Location 6), of Reflection Bay Wastewater Treatment Facility (WWTF) at 11:32 AM and conducted a 15-minute odor survey (Attachment 3 – Log 6). No odors were detected.

The investigator arrived northeast, at the intersection of W Riley Road and N Spectrum Road (Attachment 1—Survey Location 7 and 8), of the Syntech chemicals facility and conducted a 15-minute odor survey (Attachment 3—Log 7/8). The Brenntag facility was surveyed simultaneously with the Syntech survey (the two facilities are adjacent to each other). No odors were detected.

CONCLUSION

No odors were detected during the investigation.

Complaints

Based on a review of TCEQ Consolidated Compliance and Enforcement Data System (CCEDS) and regional office files, there have been hundreds of odor complaints received from within the survey area and numerous investigations related to odors. At the time of the review, multiple related investigations were being conducted by the Region 12 Office.

No Violations Associated to this Investigation

Signed 
Environmental Investigator

Date 4/25/18

Signed 
Supervisor

Date 4-25-18

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : _____
- Investigation Report
- Sample Analysis Results
- Manifests
- Notice of Registration

- Maps, Plans, Sketches
- Photographs
- Correspondence from the facility
- Other (specify) :

See list of Attachments

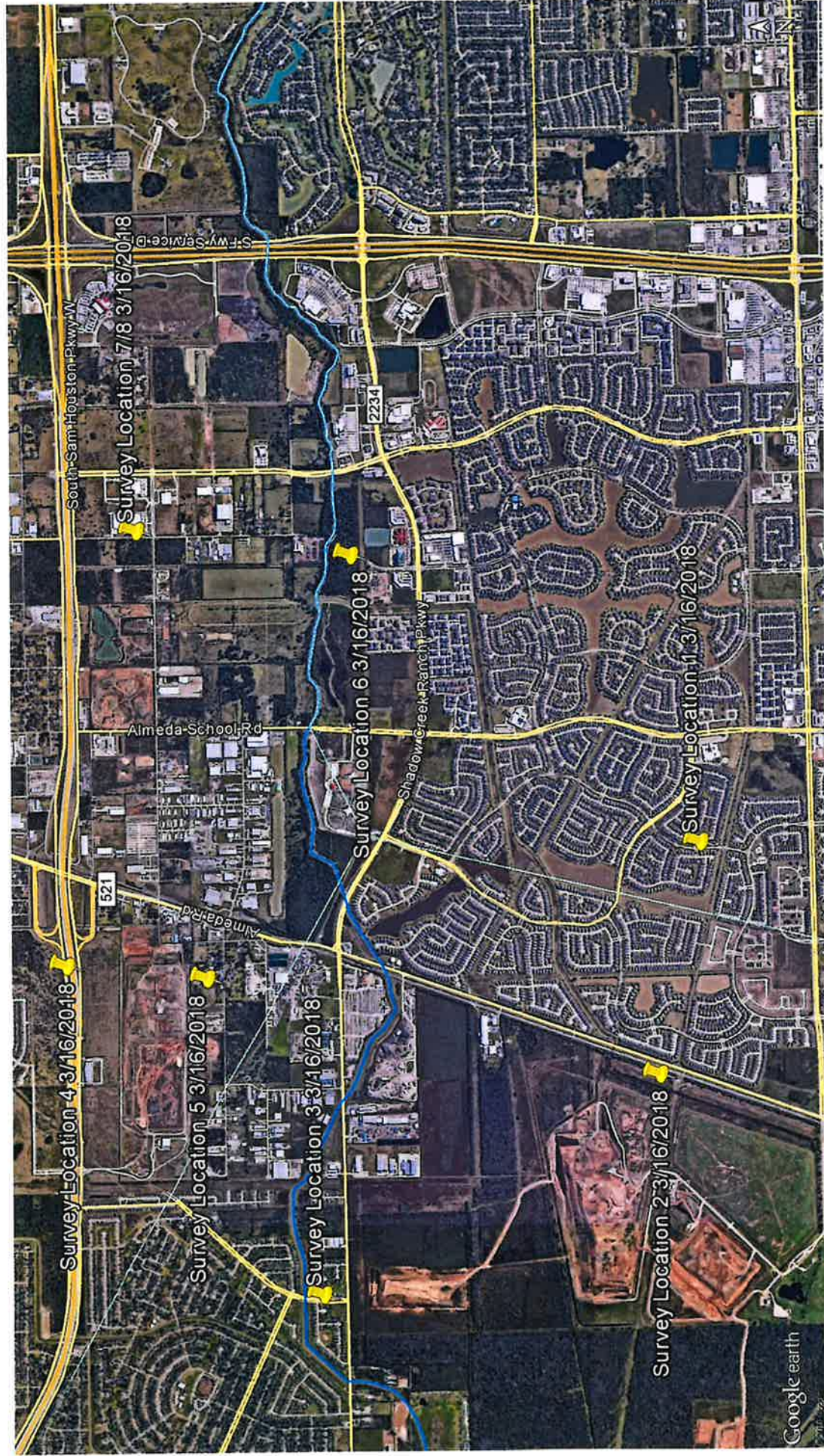
**Texas Commission on Environmental Quality
Investigation Report
Generic Incident Zip Code 77584
RN104046545
Investigation No.: 1478243
Focused Odor Survey Investigation**

LIST OF ATTACHMENTS

1. Odor Survey Location Map
2. Meteorological Data
3. Investigator FIDO Log with Supplemental Investigator's Odor Intensity Time Logs

Attachment 1

**Texas Commission on Environmental Quality
Investigation Report—Odor Survey Location Map
Generic Incident Zip Code 77584
RN104046545
Investigation Number 1478243
Conducted March 16, 2018**



Attachment 2

Hourly Weather History & Observations (KTXPEARL60 – March 16, 2018)

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.
8:12 AM	69 °F	64 °F	85 %	SW	3 mph	-- mph	30.02 in	0 in	0 in
8:17 AM	69.3 °F	64 °F	85 %	SSW	4 mph	-- mph	30.02 in	0 in	0 in
8:23 AM	69.4 °F	64 °F	85 %	SSW	3 mph	-- mph	30.02 in	0 in	0 in
8:28 AM	69.6 °F	64 °F	85 %	South	5 mph	-- mph	30.02 in	0 in	0 in
8:34 AM	69.8 °F	65 °F	85 %	SSW	2 mph	-- mph	30.03 in	0 in	0 in
8:39 AM	70 °F	64 °F	83 %	SSE	2 mph	-- mph	30.03 in	0 in	0 in
8:45 AM	70 °F	64 °F	83 %	SW	6 mph	-- mph	30.03 in	0 in	0 in
8:50 AM	70.1 °F	65 °F	83 %	South	5 mph	-- mph	30.03 in	0 in	0 in
8:56 AM	70.1 °F	65 °F	83 %	SSW	6 mph	-- mph	30.03 in	0 in	0 in
9:01 AM	70.5 °F	65 °F	83 %	South	3 mph	-- mph	30.03 in	0 in	0 in
9:07 AM	70.5 °F	65 °F	83 %	SSW	4 mph	-- mph	30.03 in	0 in	0 in

9:12 AM	70.6 °F	65 °F	83 %	WSW	6 mph	-- mph	30.03 in	0 in	0 in
9:18 AM	70.6 °F	65 °F	83 %	WNW	3 mph	-- mph	30.04 in	0 in	0 in
9:23 AM	70.6 °F	65 °F	83 %	SW	4 mph	-- mph	30.04 in	0 in	0 in
9:29 AM	70.9 °F	65 °F	83 %	SSW	3 mph	-- mph	30.04 in	0 in	0 in
9:34 AM	71 °F	65 °F	83 %	SSW	4 mph	-- mph	30.04 in	0 in	0 in
9:39 AM	71.4 °F	65 °F	83 %	SW	6 mph	-- mph	30.05 in	0 in	0 in
9:45 AM	71.4 °F	65 °F	83 %	SSW	4 mph	-- mph	30.04 in	0 in	0 in
9:50 AM	71.8 °F	66 °F	81 %	SSW	4 mph	-- mph	30.05 in	0 in	0 in
9:56 AM	71.8 °F	66 °F	81 %	SSW	7 mph	-- mph	30.05 in	0 in	0 in
10:01 AM	71.9 °F	66 °F	81 %	SSE	7 mph	-- mph	30.05 in	0 in	0 in
10:07 AM	72.1 °F	66 °F	81 %	SW	6 mph	-- mph	30.05 in	0 in	0 in
10:12 AM	72.5 °F	66 °F	81 %	SSW	4 mph	-- mph	30.04 in	0 in	0 in
10:18 AM	72.8 °F	66 °F	81 %	SW	6 mph	-- mph	30.05 in	0 in	0 in

10:23 AM	73 °F	66 °F	80 %	SSW	8 mph	-- mph	30.05 in	0 in	0 in
10:28 AM	73 °F	66 °F	80 %	South	7 mph	-- mph	30.05 in	0 in	0 in
10:34 AM	73.1 °F	66 °F	80 %	WSW	4 mph	-- mph	30.06 in	0 in	0 in
10:39 AM	73.1 °F	66 °F	80 %	SSW	7 mph	-- mph	30.07 in	0 in	0 in
10:45 AM	73.4 °F	66 °F	80 %	SW	9 mph	-- mph	30.07 in	0 in	0 in
10:50 AM	73.4 °F	66 °F	80 %	West	2 mph	-- mph	30.07 in	0 in	0 in
Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.
10:56 AM	73.4 °F	66 °F	79 %	SSW	3 mph	-- mph	30.07 in	0 in	0 in
11:01 AM	73.1 °F	66 °F	80 %	West	2 mph	-- mph	30.07 in	0 in	0 in
11:06 AM	72.5 °F	67 °F	83 %	SSW	3 mph	-- mph	30.08 in	0 in	0 in
11:12 AM	72.5 °F	67 °F	83 %	SSW	3 mph	-- mph	30.07 in	0 in	0 in
11:17 AM	73 °F	67 °F	81 %	SW	2 mph	-- mph	30.08 in	0 in	0 in
11:23 AM	74.3 °F	68 °F	81 %	WNW	3 mph	-- mph	30.08 in	0 in	0 in

11:28 AM	74 °F	67 °F	81 %	West	2 mph	-- mph	30.09 in	0 in	0 in
11:34 AM	73.1 °F	67 °F	81 %	WNW	2 mph	-- mph	30.08 in	0 in	0 in
11:39 AM	73.1 °F	67 °F	83 %	West	4 mph	-- mph	30.08 in	0 in	0 in
11:45 AM	72.3 °F	67 °F	85 %	SSW	2 mph	-- mph	30.08 in	0 in	0 in
11:50 AM	72.6 °F	67 °F	85 %	SW	0 mph	-- mph	30.07 in	0 in	0 in
11:56 AM	73.1 °F	68 °F	85 %	SSW	1 mph	-- mph	30.07 in	0 in	0 in
12:01 PM	73.9 °F	68 °F	81 %	West	3 mph	-- mph	30.07 in	0 in	0 in
12:07 PM	74 °F	67 °F	81 %	SW	2 mph	-- mph	30.07 in	0 in	0 in
12:12 PM	75 °F	68 °F	80 %	South	5 mph	-- mph	30.07 in	0 in	0 in
12:18 PM	76.4 °F	69 °F	80 %	SW	3 mph	-- mph	30.07 in	0 in	0 in
12:23 PM	77.1 °F	69 °F	75 %	SSW	3 mph	-- mph	30.07 in	0 in	0 in

Attachment 3

1

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: March 16, 2018 Start Time: 9:45 AM - Lift Station

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	
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	
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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						

2

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 10:05 AM - Odorizing Station

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor (NO)
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
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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60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 1026 AM - Blue Ridge

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

Weighted Average Intensity:

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

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 1045 - LoneStar

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor (AV)
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
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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59	
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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						

5

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 11:08AM - Akzo Nobel

Minutes	Odor Intensity VL, L, M, S, VS
1 min	No odor (NO)
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
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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59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

6

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 11:32AM - WWTP (Reflection Bay)

Minutes	Odor Intensity VL, L, M, S, VS
1 min	NO odor (NO)
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
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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59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

7/8

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3/16/18 Start Time: 11:54 - SynTech/Brenntag

Minutes	Odor Intensity VL, L, M, S, VS
1 min	NO odor (NO)
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
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	
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41	
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						

