

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Jon Niermann, *Commissioner*  
Stephanie Bergeron Perdue, *Interim Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 9, 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), TX 77545-8214  
TCEQ MSW Permit No.: 1505A  
**Investigation No.: 1484886**

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on April 28, 30, May 1, 6, 7, 8, 9, 10, 14, 16, 17, 18, and June 5, 2018 requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Reyna L. Loosmore of this office conducted an investigation on May 9, 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](http://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 Mr. Blackney at this office (713) 767-3718.

Sincerely,

A handwritten signature in cursive script that reads "Alma L. Jefferson".

Alma L. Jefferson, Team Leader  
Waste Section  
Houston Region Office

ALJ/RLB/rsv



MSW PA\_1505A\_CP\_20180509\_Investigation  
**Texas Commission on Environmental Quality**  
**Investigation Report**

The TCEQ is committed to accessibility. If you need assistance in accessing this document, please contact [oce@tceq.texas.gov](mailto:oce@tceq.texas.gov)

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

---

**Regulated Entity Name: BLUE RIDGE LANDFILL**

**Regulated Entity Number: RN102610102**

**Investigation #** 1484886

**Incident Numbers**

|        |        |
|--------|--------|
| 283389 | 283293 |
| 283341 | 283570 |
| 283361 | 283220 |
| 283578 | 283288 |
| 283279 | 283580 |
| 283569 | 283391 |
| 283575 | 283573 |
| 283280 | 283576 |
| 283223 | 283360 |
| 283356 | 283277 |
| 283298 | 283294 |
| 283224 | 283355 |
| 283566 | 283359 |
| 283339 | 283347 |
| 283295 | 283385 |
| 283281 | 283225 |
| 283362 | 283352 |
| 283572 | 283340 |
| 283358 | 283574 |
| 283571 | 283226 |
| 283346 | 283291 |
| 283282 | 283577 |
| 283222 | 283350 |
| 283269 | 283342 |
| 283351 | 283345 |

**Investigator:** REYNA LOOSMORE

**Site Classification** TYPE 1

**Conducted:** 05/09/2018 -- 06/19/2018

**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

**BLUE RIDGE LANDFILL - FRESNO**

5/9/2018 to 6/19/2018 Inv. # - 1484886

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**Contact(s):**

| <b>Role</b>                         | <b>Title</b>                | <b>Name</b>         | <b>Phone</b>           |                                                    |
|-------------------------------------|-----------------------------|---------------------|------------------------|----------------------------------------------------|
| PARTICIPATED<br>IN                  | ENVIRONMENTAL<br>SPECIALIST | MR CHANCE SEELY     | Phone                  | (281) 835-6142                                     |
| REGULATED<br>ENTITY<br>CONTACT      | ENVIRONMENTAL<br>MANAGER    | MR BURGESS STENGL   | Office                 | (713) 676-7669                                     |
| REGULATED<br>ENTITY MAIL<br>CONTACT | ENVIRONMENTAL<br>MANAGER    | MR BURGESS STENGL   | Office                 | (713) 676-7669                                     |
| PARTICIPATED<br>IN                  | OPERATIONS<br>MANAGER       | MR MATT<br>MONTAGNA | Fax<br>Office<br>Phone | (281) 835-6146<br>(281) 668-9739<br>(281) 668-9739 |

**Other Staff Member(s):**

| <b>Role</b>  | <b>Name</b>     |
|--------------|-----------------|
| QA Reviewer  | CARLOS GRIGGS   |
| Supervisor   | ALMA JEFFERSON  |
| Investigator | KIMBERLY RHODES |
| Investigator | WILLIAM JORN    |

**Associated Check List**

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

**Investigation Comments:****INTRODUCTION**

On April 28, 30, May 1, 6, 7, 8, 9, 10, 14, 16, 17, 18, and June 5, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 106 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 April 28, 29, May 1, 3, 4, 5, 6, 7, 8, and 9, 2018.

On May 9, 2018, Ms. Reyna L. Loosmore (TCEQ Waste Section), Mr. Austin Jorn (TCEQ Air Section) and Ms. Kimberly Rhodes (TCEQ Water Section), Environmental Investigators of the TCEQ Houston Region Office, conducted an odor survey and an unannounced on-site Odor Complaint Investigation at BRL and the area surrounding it.

**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 schedule within it.

**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 surrounding land use includes industrial facilities and residential subdivisions.

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

## BLUE RIDGE LANDFILL - FRESNO

5/9/2018 to 6/19/2018 Inv. # - 1484886

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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.

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

#### Complainant Information:

See confidential files (TCEQ Incident Nos. 283220, 283222, 283223, 283224, 283225, 283226, 283269, 283277, 283279, 283280, 283281, 283282, 283288, 283291, 283293, 283294, 283295, 283298, 283339, 283340, 283341, 283342, 283345, 283346, 283347, 283350, 283351, 283352, 283355, 283356, 283358, 283359, 283360, 283361, 283362, 283385, 283389, 283391, 283566, 283569, 283570, 283571, 283572, 283573, 283574, 283575, 283576, 283577, 283578, 283580, 283581, 283582, 283584, 283585, 283587, 283589, 283593, 283594, 283602, 283603, 283605, 283606, 283607, 283608, 283609, 283615, 283617, 283618, 283619, 283620, 283621, 283622, 283623, 283624, 283625, 283757, 283758, 283759, 283760, 283761, 283762, 283763, 283765, 283767, 283768, 283769, 283770, 283772, 283773, 283775, 283776, 283777, 283779, 283780, 283783, 284005, 284011, 284018, 284024, 284317, 284392, 284393, 284397, 284413, 284505 and 286148. Some of the incidents for this complaint are included in Data Maintenance File Review Nos. 1485049 and 1485928.

#### Description of Alleged Effects:

Nausea and headaches, sinus problems, irritation of eyes/throat/nose, aggravation of allergies, and difficulty breathing were described as occurring because of the odors.

#### Meteorological data at the time of the odor survey:

Date: May 9, 2018

Wind Direction: predominantly south (S)

Wind Speed: average 2.5 mph

Outdoor Temperature: average 69.0 °F

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

#### Odor Survey (OS):

The investigators arrived at the first OS point located at the 4200 block of Farm-to-Market (FM) Road 2234 in Houston and downwind of BRL. OS No. 1 was conducted at 4:20 a.m. Leachate odors were intermittently detected during 19 of the 30 minutes spent at OS No. 1, averaging to a very light intensity.

OS No. 2 located at the 2700 block of Biscayne Bay Drive in Pearland and upwind of the Sewer Lift Station was conducted at 5:35 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3 located at the 3800 block of Bluebonnet Drive in Houston and downwind of Akzo Nobel Surface Chemistry (Akzo) was conducted at 6:05 a.m. Sweet amine type odors were detected during 14 of the 15 minutes spent at OS No. 3, averaging to a light intensity.

OS No. 4 located at the 4000 block of Miramichi Court in Houston and downwind of Lonestar Landfill was conducted at 6:35 a.m. No odors were detected during the 15 minutes spent at OS No. 4.

OS No. 5 located at the 200 block of West Riley Road in Pearland and crosswind of Brenntag Southwest/Syntech Chemicals was conducted at 7:15 a.m. No odors were detected during the 15 minutes spent at OS No. 5.

OS No. 6 located at the 1800 block of Reflection Bay Drive in Pearland and downwind of the Reflection Bay Wastewater Treatment Plant (WWTP) was conducted at 7:40 a.m. Sewer odors were detected during two (2) of

## BLUE RIDGE LANDFILL - FRESNO

5/9/2018 to 6/19/2018 Inv. # - 1484886

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the 15 minutes spent at OS No. 6, averaging to a very light intensity.

An aerial view map of the OS locations and the OS logs are included in Attachment 1.

Summary of the on-site investigation:

Following the odor survey, the investigators arrived at BRL and met with Mr. Matt Montagna, Operations Manager; and Mr. Chance Seely, Environmental Specialist, to whom the purpose and scope of the investigation were explained.

BRL receives MSW in the MSW cell of the landfill from Monday through Saturday. Six inches of soil is applied at the end of each operating day. The facility representatives drove the investigators to the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained a copy of the cover logs from May 1 through 8, 2018 (Attachment 2). The cover logs indicated that soil is applied to the working faces as required.

Description of Odor:

Leachate, amines and sewer odors were detected by the investigators 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:

According to the odor surveys, the investigators detected odors from the directions of Blue Ridge Landfill, Akzo and the WWTP.

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

According to the FIDO protocol, the odor of leachate from BRL is characterized as "highly offensive", amine odor from Akzo is characterized as "not unpleasant", and sewer odors from the WWTP are characterized as "highly offensive".

Landfill garbage odors were previously detected coming from the direction of BRL on March 6, April 12, and April 25, 2018. Therefore, the frequency of odors documented by the investigators is a weekly occurrence.

### CONCLUSION

No alleged violations of the solid waste management requirements were observed during this investigation in relation to the complaints. According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on May 9, 2018. The complaints are closed.

**No Violations Associated to this Investigation**

**BLUE RIDGE LANDFILL - FRESNO**

**5/9/2018 to 6/19/2018 Inv. # - 1484886**

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Signed   
Environmental Investigator

Date 07/09/18

Signed   
Supervisor

Date 07/09/2018

**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



# Texas Commission on Environmental Quality Investigation Report

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

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**Regulated Entity Name: BLUE RIDGE LANDFILL**  
**Regulated Entity Number: RN102610102**

**Investigation #** 1485049

**Incident Numbers**

|        |        |
|--------|--------|
| 283585 | 283777 |
| 283593 | 283624 |
| 283620 | 283762 |
| 283589 | 283775 |
| 283602 | 283625 |
| 283769 | 283621 |
| 284024 | 283603 |
| 283772 | 283607 |
| 284011 | 283779 |
| 283760 | 283767 |
| 283763 | 283622 |
| 283615 | 283617 |
| 283581 | 283582 |
| 283776 | 283605 |
| 284018 | 283608 |
| 283780 | 284005 |
| 283770 | 283773 |
| 283768 | 283757 |
| 283758 | 283618 |
| 283623 | 283584 |
| 283765 | 284317 |
| 283761 | 283783 |
| 283606 | 283594 |
| 283759 | 283619 |
| 283609 | 283587 |

**Investigator:** REYNA LOOSMORE

**Site Classification** TYPE 1

**Conducted:** 05/09/2018 -- 06/19/2018

**NAIC Code:** 562212

**NAIC Code:** 486210

**SIC Code:** 4922

**SIC Code:** 4953

**SIC Code:** 1521

**Program(s):** MUNICIPAL SOLID WASTE DISPOSAL

**Investigation Type:** Data Maintenance File Review

**Location:** LOCATED ON 2200 FM 521

**Additional ID(s):** 1505A

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

**Local Unit:**  
**Activity Type(s):**

**Principal(s):**

**Role**

RESPONDENT

**Name**

BLUE RIDGE LANDFILL TX LP

**BLUE RIDGE LANDFILL - FRESNO**

**5/9/2018 to 6/19/2018 Inv. # - 1485049**

**Page 2 of 2**

**Contact(s):**

| <b>Role</b> | <b>Title</b> | <b>Name</b> | <b>Phone</b> |
|-------------|--------------|-------------|--------------|
|-------------|--------------|-------------|--------------|

**Other Staff Member(s):**

| <b>Role</b> | <b>Name</b>    |
|-------------|----------------|
| Supervisor  | ALMA JEFFERSON |

**Associated Check List**

| <b><u>Checklist Name</u></b> | <b><u>Unit Name</u></b> |
|------------------------------|-------------------------|
|------------------------------|-------------------------|

**Investigation Comments:**

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1484886.

**No Violations Associated to this Investigation**

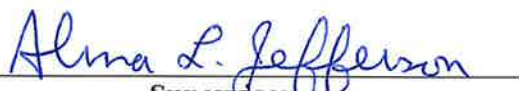
**Signed**

  
Environmental Investigator

**Date**

07/09/18

**Signed**

  
Supervisor

**Date**

07/09/2018

**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

# 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 #** 1485928

**Incident Numbers**

|        |        |
|--------|--------|
| 284393 | 284397 |
| 284413 | 284505 |
| 284392 | 286148 |

**Investigator:** REYNA LOOSMORE

**Site Classification** TYPE 1

**Conducted:** 05/09/2018 -- 06/19/2018

**NAIC Code:** 562212

**NAIC Code:** 486210

**SIC Code:** 4922

**SIC Code:** 4953

**SIC Code:** 1521

**Program(s):** MUNICIPAL SOLID WASTE DISPOSAL

**Investigation Type:** Data Maintenance File Review

**Location:** LOCATED ON 2200 FM 521

**Additional ID(s):** 1505A

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

**Local Unit:**

**Activity Type(s):**

**Principal(s):**

**Role**

**Name**

RESPONDENT

BLUE RIDGE LANDFILL TX LP

**Contact(s):**

**Role**

**Title**

**Name**

**Phone**

**Other Staff Member(s):**

**Role**

**Name**

Supervisor

ALMA JEFFERSON

**Associated Check List**

**Checklist Name**

**Unit Name**

**Investigation Comments:**

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1484886.

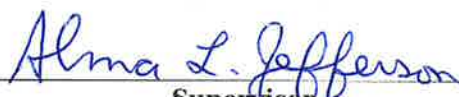
BLUE RIDGE LANDFILL - FRESNO

5/9/2018 to 6/19/2018 Inv. # - 1485928

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No Violations Associated to this Investigation

Signed  Date 07/09/18  
Environmental Investigator

Signed  Date 07/09/2018  
Supervisor

**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

\_\_\_\_\_  
\_\_\_\_\_

**Blue Ridge Landfill**  
**2200 F.M. 521, Fresno (Fort Bend County), TX 77545**  
**Municipal Solid Waste Permit No. 1505A**  
**MSW Complaint Investigation**  
**Conducted on May 9, 2018**

**List of Attachments**

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Attachment 1 | Meteorological Information, Map of Odor Survey location and Odor Log |
| Attachment 2 | May 2018 Cover Logs                                                  |



# ATTACHMENT 1



Air Quality Maps

Data Reports

AutoGC

Water Data

Site Info

## Manvel Croix Park C84 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Manvel Croix Park C84. Although this is the most current data, it is not considered official until it has been certified by the technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server from 1:15 p.m. to 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time. During Daylight Savings, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Click on the Plot Data button once the tabular report has been generated to open a separate window containing data plots.

CAMS 84    Manvel Croix Park C84    [Select a different site](#)

Month:    Day:    Year:    Time Format:

May    9    2018    12 Hour (AM/PM)    [Generate Report](#)    [Plot Data](#)

☒ Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Wednesday, May 9, 2018**. All times shown are in CST.

| 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 |  |
| Nitric Oxide             | -0.0                                                                                                        | -0.0 | <b>-0.1</b> | 0.0        | 0.4       | 9.9         | <b>14.0</b> | 2.7  | 0.4  | 0.2  | 0.1   | 0.1        | -0.0      | 0.1         | 0.2  | 0.0  | 0.0         | 0.2  | 0.1  |  |
| Nitrogen Dioxide         | 5.1                                                                                                         | 5.7  | 5.7         | 5.0        | 6.3       | <b>25.4</b> | 23.9        | 12.0 | 5.2  | 2.6  | 2.1   | <b>1.5</b> | 1.7       | 1.7         | 2.1  | 1.6  | 2.0         | 1.9  | 2.0  |  |
| Oxides of Nitrogen       | 5.1                                                                                                         | 5.7  | 5.7         | 5.0        | 6.7       | 35.1        | <b>37.8</b> | 14.7 | 5.7  | 2.8  | 2.0   | <b>1.6</b> | 1.6       | 1.8         | 2.3  | 1.6  | 2.0         | 2.0  | 2.0  |  |
| Ozone                    | 24                                                                                                          | 23   | 22          | 20         | 17        | <b>1</b>    | 5           | 27   | 47   | 57   | 61    | <b>62</b>  | 62        | 61          | 61   | 61   | 57          | 54   | 53   |  |
| Wind Speed               | 1.8                                                                                                         | 2.3  | 2.6         | 2.2        | 2.4       | 1.5         | <b>1.4</b>  | 2.8  | 6.2  | 7.3  | 7.1   | 8.4        | 9.4       | 9.7         | 9.4  | 9.6  | <b>13.8</b> | 12.1 | 8.9  |  |
| Resultant Wind Speed     | 1.8                                                                                                         | 2.2  | 2.6         | 2.2        | 1.8       | 1.5         | <b>1.2</b>  | 2.4  | 5.9  | 6.7  | 6.1   | 7.7        | 8.7       | 9.2         | 8.8  | 9.2  | <b>13.4</b> | 11.8 | 8.8  |  |
| Resultant Wind Direction | 163                                                                                                         | 171  | 178         | <b>218</b> | 178       | <b>122</b>  | 145         | 212  | 191  | 181  | 180   | 171        | 170       | 168         | 169  | 169  | 157         | 159  | 159  |  |
| Maximum Wind Gust        | 2.9                                                                                                         | 3.8  | 3.9         | 3.9        | 4.4       | 2.9         | <b>2.3</b>  | 7.8  | 12.1 | 13.3 | 16.4  | 16.6       | 16.8      | 20.4        | 17.5 | 20.2 | <b>23.4</b> | 21.2 | 17.3 |  |
| Std. Dev. Wind Direction | 9                                                                                                           | 11   | 12          | 17         | <b>38</b> | 14          | 31          | 28   | 18   | 22   | 32    | 23         | 21        | 20          | 20   | 17   | 13          | 13   | 10   |  |
| Outdoor Temperature      | 65.9                                                                                                        | 64.8 | <b>64.3</b> | 64.7       | 64.7      | 64.7        | 66.3        | 72.5 | 77.2 | 80.2 | 82.6  | 85.0       | 85.9      | <b>86.9</b> | 86.4 | 86.1 | 84.7        | 82.3 | 78.7 |  |
| 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 <b>bold</b> within the table. Minimum values are <b>bold italic</b> . |      |             |            |           |             |             |      |      |      |       |            |           |             |      |      |             |      |      |  |
|                          | 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

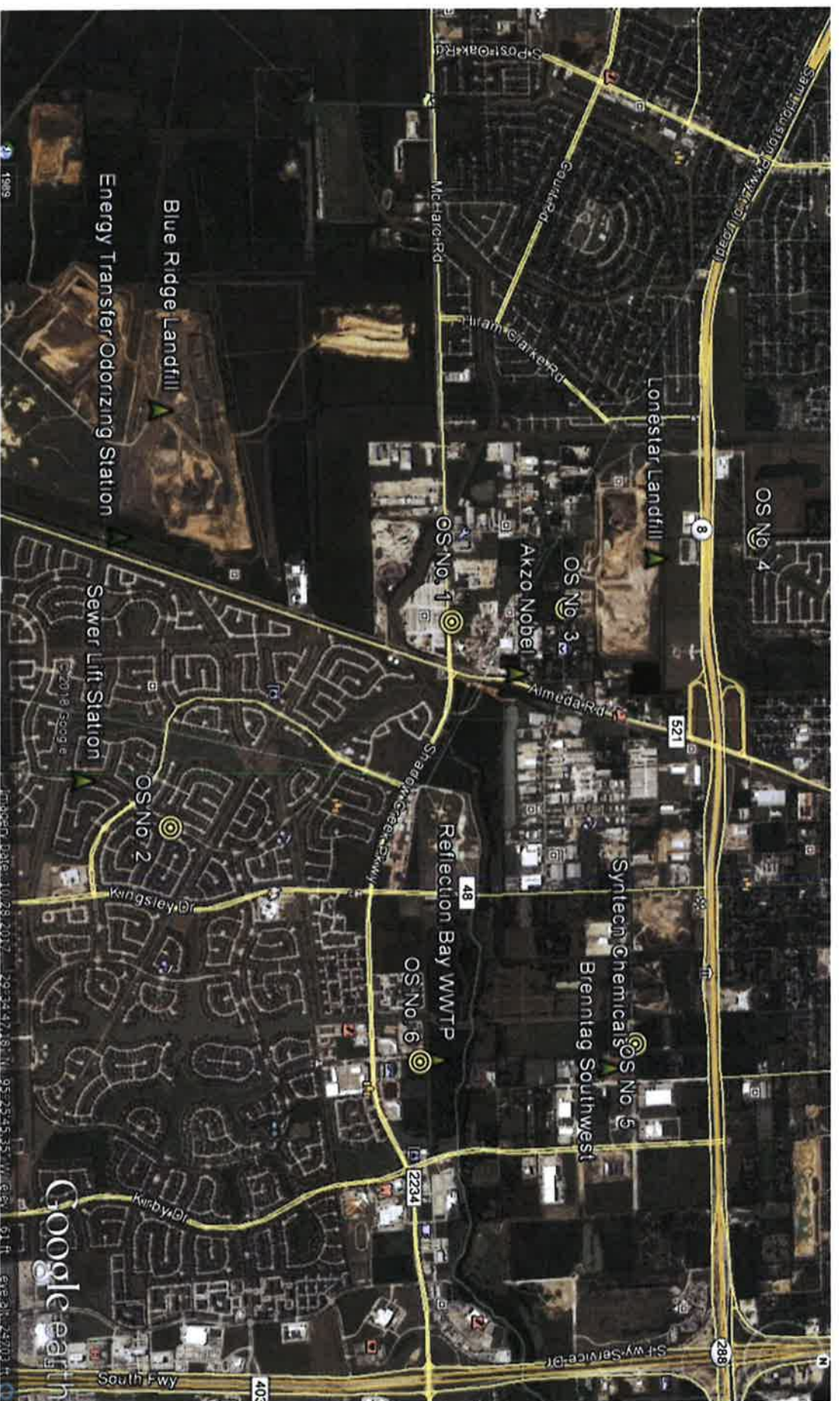
may include data collected by other outside agencies. This data is updated hourly. All times shown are in local standard time unless otherwise indicated.

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



## TCEQ Waste Section

May 9, 2018 Odor Surveys



# Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Loomore

Location: PM 2234 4200 block

Date of Investigation: May 9, 2018

Start Time: 0420 hrs

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min   | M                              |
| 2       | L                              |
| 3       | L                              |
| 4       | No odor                        |
| 5       | No odor                        |
| 6       | VL                             |
| 7       | VL                             |
| 8       | L                              |
| 9       | L                              |
| 10      | M                              |
| 11      | L                              |
| 12      | M                              |
| 13      | M                              |
| 14      | S                              |
| 15      | L                              |
| 16      | VL                             |
| 17      | S                              |
| 18      | M                              |
| 19      | L                              |
| 20      | L                              |
| 21      | VL                             |
| 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  |                                |
| 32      |                                |
| 33      |                                |
| 34      |                                |
| 35      |                                |
| 36      |                                |
| 37      |                                |
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| 54      |                                |
| 55      |                                |
| 56      |                                |
| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: Leachate smell

Offensiveness: Highly ☒ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_\_ Not Unpleasant \_\_\_\_\_

Weighted Average Intensity: 1.4

|        | VS | S     | M      | L      | (VL)  | No Odor |
|--------|----|-------|--------|--------|-------|---------|
| 1 Min  |    |       |        |        |       |         |
| 10 Min |    | 2x4=8 | 5x3=15 | 8x2=16 | 4x1=4 |         |
| 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 Intense to Very Weak)

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)

[illegible]

## Supplemental Investigator's Odor Intensity Time Log

Investigator: Reyna Loosmore  
 Date of Investigation: May 9, 2018

Location: 2753 Biscayne Bay Dr  
 Start Time: 0535 hrs

| 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      |                                |
| 36      |                                |
| 37      |                                |
| 38      |                                |
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| 52      |                                |
| 53      |                                |
| 54      |                                |
| 55      |                                |
| 56      |                                |
| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: \_\_\_\_\_

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: Priscilla Loosmore  
Date of Investigation: May 9, 2018

Location: Bluebonnet Drive 3800 block  
Start Time: 0605 hrs AK-20

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min   | M                              |
| 2       | M                              |
| 3       | M                              |
| 4       | VL                             |
| 5       | L                              |
| 6       | L                              |
| 7       | VL                             |
| 8       | No odor                        |
| 9       | L                              |
| 10      | L                              |
| 11      | L                              |
| 12      | VL                             |
| 13      | L                              |
| 14      | M                              |
| 15      | M                              |
| 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      |                                |
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| 53      |                                |
| 54      |                                |
| 55      |                                |
| 56      |                                |
| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: sweet amine

Offensiveness: Highly \_\_\_\_\_ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_\_ Not Unpleasant ☒

Weighted Average Intensity: 2

|        | VS | S | M      | L      | VL    | No Odor |
|--------|----|---|--------|--------|-------|---------|
| 1 Min  |    |   | 5x3=15 | 6x2=12 | 3x1=3 |         |
| 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: Reyna Loomore Location: Miramichi cart 4000 block  
 Date of Investigation: May 9, 2018 Start Time: 0635 hrs

| 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      |                                |
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| 25      |                                |
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| 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      |                                |
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| 56      |                                |
| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: \_\_\_\_\_

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: Reyna Loosmore

Location: W. Riley Road 200 back

Date of Investigation: May 9, 2018

Start Time: 0715 hrs

| 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      |                                |
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| 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      |                                |
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| 53      |                                |
| 54      |                                |
| 55      |                                |
| 56      |                                |
| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: \_\_\_\_\_

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: Reynu Loosmore  
Date of Investigation: May 9, 2018

Location: Reflection Bay WWT  
Start Time: 0740 hr

1800 block

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min   | L                              |
| 2       | SM                             |
| 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      |                                |
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| 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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| 57      |                                |
| 58      |                                |
| 59      |                                |
| 60      |                                |

Odor Description: Sewer

Offensiveness: Highly ☒ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_\_ Not Unpleasant \_\_\_\_\_

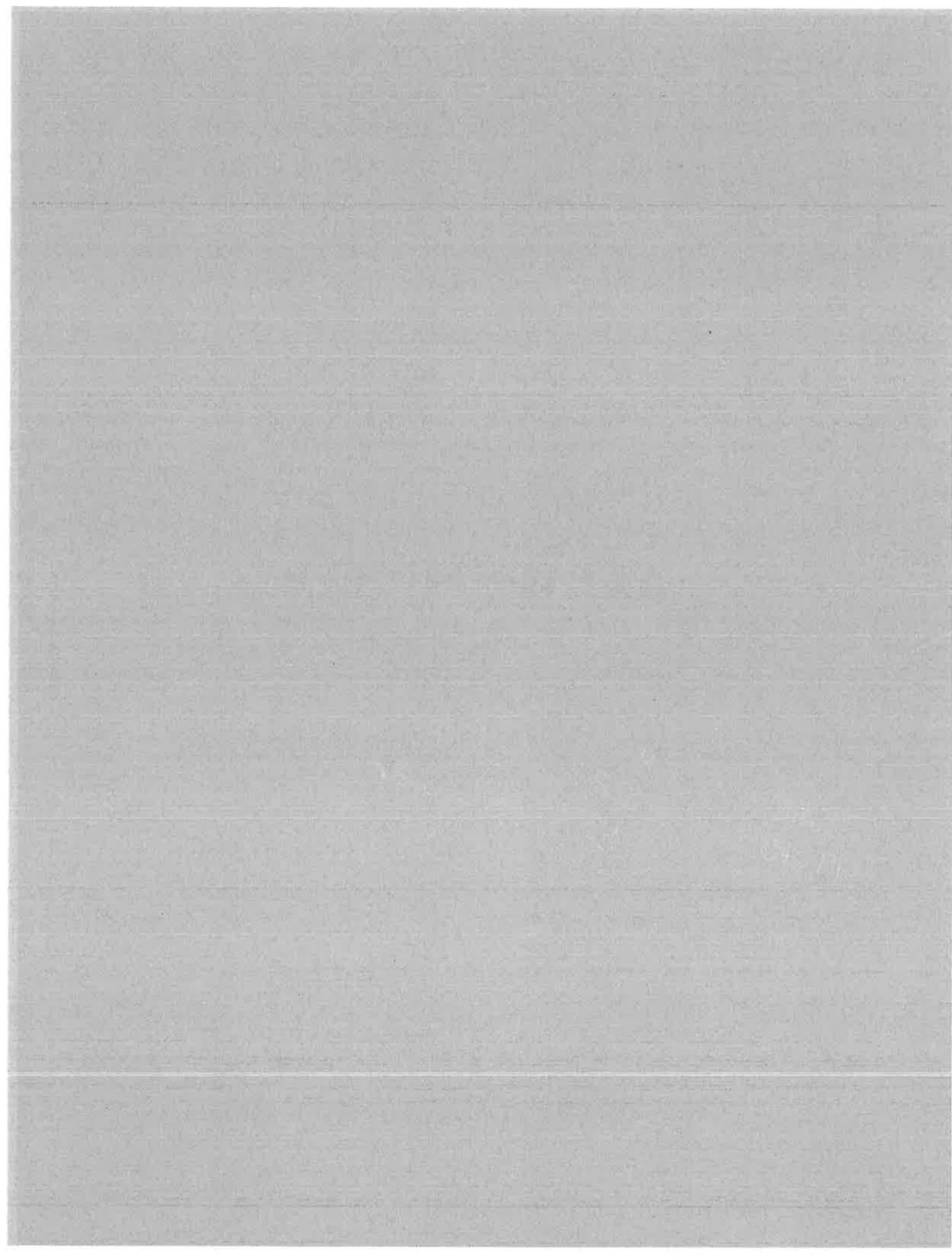
Weighted Average Intensity: 0.33

|        | VS | S | M     | L     | VL | No Odor |
|--------|----|---|-------|-------|----|---------|
| 1 Min  |    |   | 1x3=3 | 1x2=2 |    |         |
| 10 Min |    |   |       |       |    |         |
| 1 Hour |    |   |       |       |    |         |

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]

## **ATTACHMENT 2**



**REPUBLIC**

Blue Ridge Landfill. MSW-1505A

msu

[illegible]

AMT = Amount of cover (soil) in  $\text{m}^3$  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

Inspected areas with daily cover or alternate daily cover each day the site is

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 7.7.4 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<sup>3</sup> soil stockpile is required within 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area, and signature profiles were accomplished as stated in the Cover Application Form.

|    |                                                                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Revised & Graded to Reopen Excavation Phase II. West slope 14-18, Phase I east slope 23-25, West slope west to south 18-20, Phase I south slope 18-20 |
| 2  | Revised & Graded to Reopen Excavation Phase II. At site 21-27 & east slope 0-1, Phase II east slope 41-51, Phase III west slope 41-51                 |
| 3  | Revised & Graded to Reopen Excavation Phase III. West slope 41-51, Graded Phase III west slope 41-51, Graded Phase III west slope 41-51               |
| 4  | Graded to Reopen Excavation Phase III. West slope 41-51                                                                                               |
| 5  |                                                                                                                                                       |
| 6  |                                                                                                                                                       |
| 7  | Graded to Reopen Excavation Phase II. South slope                                                                                                     |
| 8  | Graded to Reopen Excavation Phase II. South slope                                                                                                     |
| 9  |                                                                                                                                                       |
| 10 |                                                                                                                                                       |
| 11 |                                                                                                                                                       |
| 12 |                                                                                                                                                       |
| 13 |                                                                                                                                                       |
| 14 |                                                                                                                                                       |
| 15 |                                                                                                                                                       |
| 16 |                                                                                                                                                       |
| 17 |                                                                                                                                                       |
| 18 |                                                                                                                                                       |
| 19 |                                                                                                                                                       |
| 20 |                                                                                                                                                       |
| 21 |                                                                                                                                                       |
| 22 |                                                                                                                                                       |
| 23 |                                                                                                                                                       |
| 24 |                                                                                                                                                       |
| 25 |                                                                                                                                                       |
| 26 |                                                                                                                                                       |
| 27 |                                                                                                                                                       |
| 28 |                                                                                                                                                       |
| 29 |                                                                                                                                                       |
| 30 |                                                                                                                                                       |
| 31 |                                                                                                                                                       |



Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG CLASS I NON HAZARDOUS

CLASS 1

Month / Year: 01/14 2018

| Daily Cover |           | Approved Alternate Daily Cover |        | Elevation | Inspection Date of Daily Cover | Erosion or Exposed Soil | Corrective Action | Soil Stockpile Required (yd <sup>3</sup> ) | Rain (inches) | Rain (inches) ≥ 0.5" | Intermediate Cover |                | Final Cover |           | Inspection Date of Intermediate & Final Cover | Erosion or Exposed Soil | Corrective Action | Date Erosion Corrected | Final Cover Certification Report Reference | Supervisor Signature |
|-------------|-----------|--------------------------------|--------|-----------|--------------------------------|-------------------------|-------------------|--------------------------------------------|---------------|----------------------|--------------------|----------------|-------------|-----------|-----------------------------------------------|-------------------------|-------------------|------------------------|--------------------------------------------|----------------------|
| AMT         | Grid Area | T <sup>2</sup>                 | Method |           |                                |                         |                   |                                            |               |                      | Grid Area          | T <sup>2</sup> | Method      | Grid Area | T <sup>2</sup>                                |                         |                   |                        |                                            |                      |
| 1           | 500       | 4.30                           | 6"     | B         | 48'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 2           | 500       | 4.30                           | 6"     | B         | 50'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 3           | 500       | 4.30                           | 6"     | B         | 52'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 4           | 500       | 4.30                           | 6"     | B         | 54'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 5           |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 6           |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 7           | 500       | 4.30                           | 6"     | B         | 42'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 8           | 500       | 4.30                           | 6"     | B         | 42'                            | ✓                       |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 9           |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 10          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 11          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 12          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 13          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 14          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 15          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 16          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 17          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 18          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 19          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 20          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 21          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 22          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 23          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 24          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 25          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 26          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 27          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 28          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 29          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 30          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |
| 31          |           |                                |        |           |                                |                         |                   |                                            |               |                      |                    |                |             |           |                                               |                         |                   |                        |                                            |                      |

AMT = Amount of cover (soil) in yd<sup>3</sup> 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 area on back of form.

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<sup>3</sup> soil stockpile is required within 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Signature certifies work accomplished as stated in the Cover Application Log

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