

Bryan W. Shaw, Ph.D., P.E., *Chairman*
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Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 8, 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, TX 77545-8214
TCEQ MSW Permit No.: 1505A
Investigation No.: 1429879

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on July 28, 29 and 30, 2017 requests for assistance regarding the odor at the above-referenced facility. In response to this request, Richard Blackney of this office conducted an investigation on July 31, 2017. 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 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_CO_20170731_Investigation Report
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

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

Regulated Entity Name: BLUE RIDGE LANDFILL

Regulated Entity Number: RN102610102

Investigation # 1429879

Incident Numbers

264485	264497
264482	264500
264494	264483
264509	264489

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/31/2017 -- 01/24/2018

SIC Code: 1521

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

NAIC Code: 562212

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): MSWC MPL - Investigation of MSW
complaint

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone
PARTICIPATED IN	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	TOM COLLINS
Supervisor	ALMA JEFFERSON

Associated Check List

Checklist Name

MSW COMPLAINT INVESTIGATION

Unit Name

complaint

BLUE RIDGE LANDFILL - FRESNO

7/31/2017 to 1/24/2018 Inv. # - 1429879

Page 2 of 4

Investigation Comments:

INTRODUCTION

On July 28, 29 and 30, 2017, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received eight complaints about odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545. Odors were alleged to have occurred on May 13 and July 28 and 29, 2017.

On July 31, 2017, Mr. Richard Blackney, Environmental Investigator for the TCEQ Houston Region Office, conducted an unannounced 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.

GENERAL FACILITY AND PROCESS INFORMATION

BRL's authorization numbers from the TCEQ Central Registry database are included in Attachment 1. 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.

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. 264482, 264483, 264485, 264489, 264494, 264497, 264500 and 264509).

Description of Alleged Effects:

Nausea, watery eyes, headache, and aggravation of allergies were described as occurring due to the odors.

Meteorological data at the time of the odor survey:

Resultant Wind Direction: North-northeast

Resultant Wind Speed: 5.7 to 6.1 mph

Outdoor Temperature: 85.0 to 87.1 °F

Meteorological data taken from TCEQ's continuous air monitoring station (Attachment 2).

Odor Survey (OS):

The investigator arrived at the first survey point on the 12300 block of Shadow Creek Parkway in Pearland. OS No. 1 was conducted at 9:26 a.m. No odors were detected during the 15 minutes spent at OS No. 1.

The investigator went to OS site No. 2 located near the intersection of Hiram Clarke Road and Court Road in Houston. OS No. 2 was conducted at 9:57 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

Summary of on-site investigation:

Following OS No. 2, the investigator arrived at BRL and met with Mr. Burgess Stengl, Environmental Manager, to whom the purpose and scope of the investigation were explained.

BRL receives Class 1 waste in its Class 1 disposal cell Monday through Friday, and receives MSW in the MSW cell Monday through Saturday. Six inches of soil is applied to the Class 1 cell and MSW cell at the end of each operating day. The investigator viewed the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained a copy of the MSW cover log for July 1 through 29, 2017 (Attachment 3).

BLUE RIDGE LANDFILL - FRESNO

7/31/2017 to 1/24/2018 Inv. # - 1429879

Page 3 of 4

BRL has a system of misters for the purpose of neutralizing odors. The investigator viewed the misting system in operation, as well as another odor control system using vapor rather than mist. BRL also obtained a portable mister which was positioned by the working face.

Odor Survey, continued:

Following the on-site investigation, the investigator went to OS site No. 3 located at the 2700 block of Biscayne Bay Dr. in Pearland. OS No. 3 was conducted at 11:20 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

The investigator went to OS site No. 4 located at the intersection of Kentucky Road and Evergreen Street in Fresno. OS No. 4 was located downwind of BRL and was conducted at 11:53 a.m. No odors were detected during the 15 minutes spent at OS No. 4.

The investigator went to OS site No. 5 located on the 2500 block of Nail Rd. in Fresno. OS No. 5 was located downwind of BRL and was conducted at 12:14 p.m. No odors were detected during the 15 minutes spent at OS No. 5.

An aerial view map of the OS locations and the OS logs are included in Attachment 2.

ODOR FIDO CHART EVALUATION:

According to the Frequency, Intensity, Duration, and Offensiveness (FIDO) protocol, the odor of landfill garbage is characterized as "offensive". As landfill odors were previously detected coming from the direction of BRL during odor surveys conducted on July 5, 7 and 21, 2017, the frequency of odors documented by the investigator was a weekly occurrence.

CONCLUSION

Nuisance odor conditions were not confirmed during the investigation conducted on July 31, 2017.

No Violations Associated to this Investigation

Signed

Richard Blackmon
Environmental Investigator

Date

2-8-2018

Signed

Alma L. Jefferson
Supervisor

Date

02/08/2018

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)
☒ Letter to Facility (specify type) : No Action
Investigation Report Letter
☐ Sample Analysis Results
☐ Manifests
☐ Notice of Registration

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

Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on July 31, 2017

List of Attachments

- | | |
|--------------|---|
| Attachment 1 | Blue Ridge Landfill information from the TCEQ Central Registry Database |
| Attachment 2 | Meteorological Information, Map of Odor Survey locations and Odor Logs |
| Attachment 3 | July 2017 Cover Logs |

ATTACHMENT 1

Questions or Comments >>

[Query Home](#)
[Customer Search](#)
[RE Search](#)
[ID Search](#)
[Document Search](#)
[TCEQ Home](#)

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN102610102
Name: BLUE RIDGE LANDFILL
Primary Business: MUNICIPAL SOLID WASTE LANDFILL
Street Address: 2200 FM 521 RD, FRESNO TX 77545 8214
County: FORT BEND
Nearest City: FRESNO
State: TX
Near ZIP Code: 77545
Physical Location: LOCATED ON 2200 FM 521

Affiliated Customers - Current

Your Search Returned 5 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-5 of 5 Records

CN Number ▲	Customer Name	Customer Role(s)	Details
CN600343826	BFI WASTE SYSTEMS OF NORTH AMERICA INC	OWNER OPERATOR	
CN601527963	BFI WASTE SERVICES OF TEXAS LP	OWNER	
CN601721657	LONGHORN EXCAVATORS INC	OPERATOR	
CN602820599	BLUE RIDGE LANDFILL TX LP	OWNER OPERATOR	
CN603713595	GRISHAM & JHA GROUP LLC	OPERATOR	

Industry Type Codes

Code	Classification	Name
562212	NAICS	Solid Waste Landfill
1521	SIC	General Contractors-Single-Family Houses
1629	SIC	Heavy Construction
1794	SIC	Excavation Work
4953	SIC	Refuse Systems

Permits, Registrations, or Other Authorizations

There are a total of 21 programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-21 of 21 Records

Program ▲	ID Type	ID Number	ID Status
AIR EMISSIONS INVENTORY	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR NEW SOURCE PERMITS	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR NEW SOURCE PERMITS	AFS NUM	4815700111	ACTIVE
AIR NEW SOURCE PERMITS	REGISTRATION	32691	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	51882	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	55939	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	77271	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	77703	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	81004	ACTIVE
AIR OPERATING PERMITS	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR OPERATING PERMITS	PERMIT	1472	PENDING
INDUSTRIAL AND HAZARDOUS WASTE	SOLID WASTE REGISTRATION # (SWR)	89429	ACTIVE
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	1505	INACTIVE
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	1505A	ACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	64950	ACTIVE
PETROLEUM STORAGE TANK STAGE II			
STORMWATER	PERMIT	TXR05N415	CANCELLED
STORMWATER	PERMIT	TXR05S302	ACTIVE
STORMWATER	PERMIT	TXR15NZ96	CANCELLED
STORMWATER	PERMIT	TXR15QJ54	EXPIRED
STORMWATER	PERMIT	TXR15RD60	EXPIRED

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[Statewide Links: Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

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ATTACHMENT 2

S Post Oak Rd

McHard Rd

OS 2

Alameda Rd

Shadow Creek Pkwy

OS 1

Blue Ridge Landfill, Permit No. 1505 A

OS 3

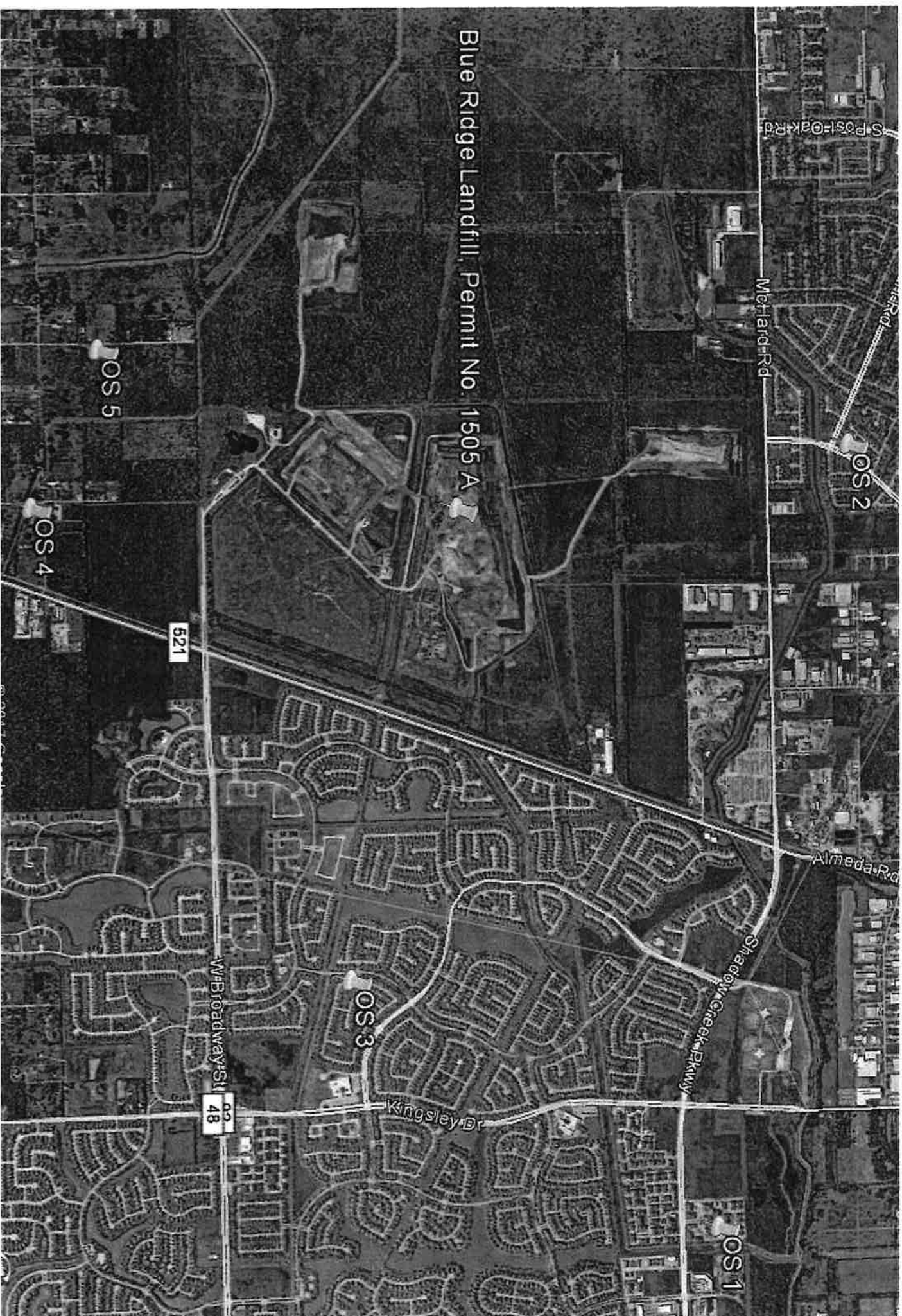
Kingsley Dr

WBRoadway St 48

521

OS 5

OS 4




**TEXAS COMMISSION
ON ENVIRONMENTAL QUALITY**

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[Site Info](#)

Manvel Croix Park C84 Daily Summary

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:

July 31 2017 12 Hour (AM/PM) [Generate Report](#) [Plot Data](#)

☒ Green underline for validated data

☒ Include Non-Public Monitors

☐ Emulate WWW Report

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Monday, July 31, 2017**. All times shown are in CST.

Parameter Measured	Morning													Afternoon													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	7:00	8:00	9:00	10:00	11:00			
Nitric Oxide	-0.1	-0.1	-0.0	0.0	-0.1	1.9	10.5	7.2	2.9	1.0	0.3	0.1	0.0	0.0	0.1	-0.0	-0.0	0.0	-0.0	-0.2	-0.2	-0.1	-0.1	0.1	Nitric Oxide		
Nitrogen Dioxide	2.1	3.6	3.9	5.9	11.1	20.9	26.9	23.0	15.8	10.7	6.0	3.7	3.5	3.6	4.3	4.3	4.0	4.5	4.0	5.6	8.3	6.3	6.0	6.6	Nitrogen Dioxide		
Oxides of Nitrogen	1.9	3.5	3.9	5.9	10.9	22.6	37.0	29.9	18.5	11.6	6.3	3.8	3.5	3.6	4.4	4.2	4.0	4.5	3.9	5.4	8.1	6.2	5.9	6.7	Oxides of Nitrogen		
Ozone	36	33	31	25	17	6	6	19	36	53	62	65	68	69	72	68	64	59	56	51	44	40	24	18	Ozone		
Wind Speed	6.0	5.4	5.3	4.5	4.6	4.3	4.5	6.0	6.0	6.4	6.6	7.3	7.1	7.1	8.1	8.1	8.2	7.5	5.6	3.2	3.4	1.8	1.5	1.3	Wind Speed		
Resultant Wind Speed	5.9	5.2	5.2	4.4	4.5	4.2	4.4	5.8	5.7	5.8	5.7	6.0	6.1	6.1	7.5	7.3	7.7	7.2	5.5	3.2	3.3	1.7	1.3	1.2	Resultant Wind Speed		
Resultant Wind Direction	50	40	46	41	33	31	30	39	39	35	10	10	26	19	50	66	68	83	97	103	115	99	32	32	Resultant Wind Direction		
Maximum Wind Gust	12.0	10.0	8.9	7.8	7.8	7.3	9.7	10.5	10.7	11.5	13.5	16.1	17.6	19.2	17.1	17.3	17.8	15.1	11.6	6.3	5.0	4.1	2.4	2.5	Maximum Wind Gust		
Std. Dev. Wind Direction	14	13	11	12	11	12	14	15	18	25	30	34	31	29	23	26	22	15	12	10	8	25	24	20	Std. Dev. Wind Direction		
Outdoor Temperature	80.9	80.3	79.5	78.2	77.0	75.9	76.1	78.5	81.3	83.4	85.0	86.2	87.1	88.2	89.6	90.2	90.2	89.0	87.3	84.1	81.8	80.1	79.1	78.9	Outdoor Temperature		
Internal Station Temperature	83.3	83.3	83.3	83.1	83.1	83.1	83.1	83.4	83.5	83.7	84.0	84.0	84.0	84.2	84.2	84.1	84.0	84.0	83.8	83.5	83.3	83.1	83.1	83.1	Internal Station Temperature		
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	7:00	8:00	9:00	10:00	11:00	Parameter Measured		
	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.																											

Previous Day

July 30, 2017

Daily maxima and minima for CAMS 84.

All times shown are CST.

Parameter	POC	Daily Maximum		Daily Minimum	
		Value	Hour	Value	Hour
Nitric Oxide	1	2.0	5:00 am	-0.1	Noon
Nitrogen Dioxide	1 R	5.0	8:00 pm	0.7	8:00 am
Oxides of Nitrogen	1	6.8	5:00 am	0.9	8:00 am
Ozone	1 R	68	3:00 pm	1	5:00 am
Wind Speed	1	7.5	9:00 pm	1.1	4:00 am
Resultant Wind Speed	1	7.3	9:00 pm	0.1	4:00 am
Resultant Wind Direction	1	319	6:00 am	26	5:00 am
Maximum Wind Gust	1	21.6	4:00 pm	2.7	3:00 am
Std. Dev. Wind Direction	1	76	4:00 am	12	10:00 pm
Outdoor Temperature	1	92.1	3:00 pm	79.0	2:00 am
Internal Station Temperature	1	84.3	11:00 am	83.1	3:00 am

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

051

12300 block of Shadow Creek Pkwy

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard Blackney Location: ColumnsDate of Investigation: 7-31-2017 Start Time: 9:26 am

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	no odor
27	" "
28	" "
29	" "
30	" "

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

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

052

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: Hiram Clarke Rd & Court Rd.Date of Investigation: 7-31-2017Start Time: 9:51 am

Minutes	Odor Intensity VL, L, M, S, VS
1 min	no odors
2	" "
3	" "
4	" "
5	" "
6	" "
7	" "
8	" "
9	" "
10	" "
11	" "
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

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

053

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: 2700 Biscayne Bay DriveDate of Investigation: 7-31-2017Start Time: 11:20am

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	no odor
21	" "
22	" "
23	" "
24	" "
25	" "
26	" "
27	" "
28	" "
29	" "
30	" "

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

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

054

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: Kentucky StDate of Investigation: 7-31-2017Start Time: 11:53 am

St

Minutes	Odor Intensity VL, L, M, S, VS
1 min	no odor
2	" "
3	" "
4	" "
5	" "
6	" "
7	" "
8	
9	
10	
11	
12	
13	
14	
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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	
45	
46	
47	
48	
49	
50	
51	
52	
53	no odor
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						

055

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: Nail Rd north of EvergreenDate of Investigation: 7-31-2017Start Time: 12:14pm

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	no odors
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
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						

ATTACHMENT 3

COVER APPLICATION LOG

Blue Ridge Landfill, MSW-1505A
MSW

Month / Year: July 2017

Daily Cover	6" Soil	Approved Alternate Daily Cover			Elevation	Inspection Date of Daily Cover	Erosion or Leachate Seep Detected	Corrective Action	Soil Stockpile Required (yd ³)	Rain (inches)	Rain (inches) $\geq 0.5"$	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover	Erosion $\geq 4"$ Detected	Date Erosion Corrected	Corrective Action	Final Cover Certification Report Reference	Supervisor Signature
		AMT ¹	Grid Area	T ²								AMT ¹	Grid Area	T ²	Method ³	AMT ¹	Grid Area	T ²					
1	500	48-48	6"	B	56-58	✓													✓				Randy Conroy
2																							Randy Conroy
3	600	48-48	6"	B	46-44	✓																	Randy Conroy
4	600	48-48	6"	B	44-47	✓																	Randy Conroy
5	600	48-48	6"	B	47-50	✓																	Randy Conroy
6	600	48-48	6"	B	40-44	✓																R+6	Randy Conroy
7	600	48-48	6"	B	44-48	✓																R+6	Randy Conroy
8	500	48-48	6"	B	48-50	✓																R+6	Randy Conroy
9																							Randy Conroy
10	600	48-48	6"	B	50-54	✓																	Randy Conroy
11	600	48-48	6"	B	54-57	✓																	Randy Conroy
12	600	48-48	6"	B	57-60	✓																	Randy Conroy
13	600	48-48	6"	B	40-44	✓																	Randy Conroy
14	600	48-48	6"	B	44-48	✓																	Randy Conroy
15	500	48-48	6"	B	48-50	✓																	Randy Conroy
16																							Randy Conroy
17	600	48-48	6"	B	50-54	✓																	Randy Conroy
18	600	48-48	6"	B	54-57	✓																	Randy Conroy
19	600	48-48	6"	B	57-60	✓																	Randy Conroy
20	600	48-48	6"	B	50-53	✓																	Randy Conroy
21	600	48-48	6"	B	53-57	✓																	Randy Conroy
22	500	48-48	6"	B	57-60	✓																	Randy Conroy
23																							Randy Conroy
24	600	48-48	6"	B	50-54	✓																	Randy Conroy
25	600	48-48	6"	B	54-57	✓																	Randy Conroy
26	600	48-48	6"	B	57-60	✓																	Randy Conroy
27	600	48-48	6"	B	50-53	✓																	Randy Conroy
28	600	48-48	6"	B	53-57	✓																	Randy Conroy
29	500	48-48	6"	B	57-60	✓																	Randy Conroy
30																							Randy Conroy
31																							Randy Conroy

AMT = Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area

T = Thickness in inches

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

Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event of 0.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.18. Additional documentation 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, attach documentation stating reasons for delay

Corrective Action: R = Replacing cover material; G = Grading, M = Compacting; S = Seeding

SCP 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 allocated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area

Signature certifies work accomplished as stated in the Cover Application Log

