## MSW PA\_1505A\_CO\_20160314\_Investigation Report

## 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 #1320039

**Incident Numbers** 

229219

228788 228759

229216 229047

Investigator:

RICHARD BLACKNEY

Site Classification TYPE 1

**NAIC Code:** 562212 **SIC Code:** 4953

SIC Code: 1521

Program(s):

MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

**Conducted:** 03/14/2016 -- 05/31/2016

Location: LOCATED ON 2200 FM 521

Additional ID(s):

1505A

Address: 2200 FM 521 RD,

FRESNO, TX, 77545

Local Unit: REGION 12 - HOUSTON

Activity Type(s):

MSWCMPL - Investigation of MSW

complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

Role

Title

Name

Phone Office

(713) 676-7669

REGULATED

ENVIRONMENTAL MANAGER

ENTITY

CONTACT

MR LARRY MUNGER

MR BURGESS STENGL

Work

(832) 710-9856

PARTICIPATED

OPERATIONS SUPERVISOR

Other Staff Member(s):

Role

Name

QA Reviewer Supervisor TOM COLLINS

ALMA JEFFERSON

**Associated Check List** 

**Checklist Name** 

**Unit Name** 

MSW COMPLAINT INVESTIGATION

complaint

**Investigation Comments:** 

#### 3/14/2016 to 5/31/2016 Inv. # - 1320039

#### Page 2 of 5

#### INTRODUCTION

On March 3, 7, 11, 15 and 16, 2016, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received 5 (five) complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521, Fresno (Fort Bend County), Texas 77545. The odors were alleged to have occurred on March 3, 4, 10, 12 and 14, 2016.

On March 4, 2016, Mr. Richard Blackney and Mr. Chris Crook, Environmental Investigators of the TCEQ Houston Region Office, conducted an odor survey in the area near BRL. See Investigation No. 1315382 for the results of that investigation. On March 14, 2016, Mr. Blackney conducted an odor survey in the area near BRL and an unannounced Odor Complaint Investigation at BRL.

#### BACKGROUND

The most recent Waste Section Odor Complaint Investigations (Nos. 1300533, 1308059, and 1314675) at BRL were conducted on December 18, 2015, February 2, 2016, and March 2, 2016. One alleged violation for erosion of cover was noted on December 18, 2015 and remains outstanding.

#### GENERAL FACILITY AND PROCESS INFORMATION

BRL 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 accept municipal solid waste including household solid waste, commercial solid waste, construction and demolition waste, and yard waste; Class 1, Class 2 and Class 3 non-hazardous industrial waste; and certain special wastes. Class 1 waste is buried in the designated Class 1 cell of the landfill. The special waste currently accepted includes: dead animals, sludge and Class 2 industrial 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. 228759, 228788, 229047, 229216 and 229219).

#### Description of Alleged Effects:

A complainant alleged nasal irritation and breathing problems.

Meteorological data at the time of the March 14, 2016 odor survey:

Wind direction: SSW Wind Speed: 7.6 mph Temperature: 74.5°F

Meteorological data taken from TCEO's continuous air monitoring stations (Attachment 2).

#### Odor Complaint Investigation:

The investigator went to Odor Survey (OS) No. 1 located at the 16600 block of Sidonie Drive. OS No. 1 took place downwind of BRL and was conducted at 9:48 a.m. No odors were detected during the 15 minutes spent at OS No. 1.

The investigator then went to OS No. 2 located at the 16600 block of Ripple Ridge. OS No. 2 took place crosswind of BRL and was conducted at 10:04 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

The investigator then went to OS No. 3 located at the 4600 block of Ripple Ridge. OS No. 3 took place crosswind of BRL and was conducted at 10:23 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

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

Summary of March 14, 2016 on-site investigation:

Following the odor survey, the investigator arrived at BRL at approximately 11:00 a.m., and met with Mr. Larry

3/14/2016 to 5/31/2016 Inv. # - 1320039

#### Page 3 of 5

Munger, Operations Supervisor, to whom the purpose and scope of the investigation were explained. BRL has a system of misters for the purpose of neutralizing odors. According to BRL representatives, BRL has extended the mister system by hundreds of feet on the eastern portion of the landfill, as well as to the east of the Class 1 cell. The investigator viewed the new extensions of the misting system in operation.

BRL receives Class I 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. Mr. Munger drove the investigator to the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained copies of the cover logs for March 2016 (Attachment 3). The cover logs indicated that soil had been applied to the working faces as required. No issues were noted.

Description of Odor:

Odors typical of landfill garbage were not detected during the odor surveys around Blue Ridge Landfill.

Description of the Effects on the Investigator:

No health effects were experienced by the investigator.

Description of the Terrain Features of the Area:

Terrain is flat with residences and businesses.

Location of the Source of the Odor:

The alleged source of the odor is BRL.

#### ODOR FIDO CHART EVALUATION:

According to the Frequency Intensity Duration Offensiveness (FIDO) protocol, the odor of landfill garbage is characterized as "offensive". As odors were previously detected on the investigations conducted on December 18, 2015 and February 2, 2016, the frequency of documented odors is quarterly.

Physical Effects Experienced by the Investigator which are Indicative of Adverse Effects upon Health: The investigator did not experience any physical effects during the investigation.

Normal use of Property Affected by the Odor and the Manner in which such Odor could Reasonably be Expected to Interfere with this Use:

According to FIDO protocol, a nuisance condition was not confirmed.

#### SUMMARY OF INVESTIGATION FINDINGS

#### OUTSTANDING ALLEGED VIOLATION

The following alleged violation was noted during the investigation conducted on December 18, 2015 and remains outstanding:

Site Operating Plan 4.18 / 30 Texas Administrative Code §330.165(g) – Landfill Cover (Category C4)

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

On January 5, 2016, the facility representative sent photographs to the TCEQ showing repair of cover. On February 2, 2016, the area was observed by the investigator to have been largely repaired, but it appeared there remained some gullies where cover was eroded by more than four inches. On March 2, 2016, the area appeared to have been repaired, and the cover log from February 2016 was viewed which indicated that repair of cover was completed on February 13, 2016. However, during an on-site investigation conducted on March 2, 2016, another area of erosion of cover was observed.

3/14/2016 to 5/31/2016 Inv. # - 1320039

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Blue Ridge Landfill is requested to restore the cover material and include the date of completion of repairs in the cover log. The facility is requested to submit documentation to the TCEQ Houston Region Office to verify compliance.

#### **OUTSTANDING ALLEGED VIOLATION(S)**

Track Number: 598524 Compliance Due Date: To Be Determined

Violation Start Date: Unknown

30 TAC Chapter 330.165(g)

#### PERMIT 1505A, Site Operating Plan 4.18.3

Erosion gullies or washed-out areas will be repaired within 5 days of detection by restoring the cover material, grading, compacting, and seeding.

#### Alleged Violation:

#### Investigation: 1300533

Comment Date: 03/18/2016

Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

#### Investigation: 1308059

Comment Date: 04/05/2016 Erosion gullies that are four or more inches deep on final or intermediate cover must be repaired within five days

of detection by restoring the cover material, grading, compacting, and seeding unless the commission's regional office approves otherwise, based on the extent of the damage requiring more time to repair or the repairs are delayed because of weather conditions. The date of detection of erosion and date of completion of repairs, including reasons for any delays, must be documented in the cover inspection record.

Erosion of cover was observed at Blue Ridge Landfill on December 18, 2015, and the date of detection was not in the cover log, nor a reason for delay of repair of cover.

#### Investigation: 1314675

Comment Date: 04/22/2016

Compliance with this regulation was evaluated during investigations on February 2, 2016 and March 2, 2016.

#### Investigation: 1320039

Comment Date: 05/16/2016

Compliance with this regulation was evaluated during the investigation on March 14, 2016.

Recommended Corrective Action: On January 5, 2016, the facility representative sent photographs to the TCEQ showing repair of cover. On February 2, 2016, the area was observed by the investigator to have been largely repaired, but it appeared there remained some gullies where cover was eroded by more than four inches. On March 2, 2016, the area appeared to have been repaired, and the cover log from February 2016 was viewed which indicated that repair of cover was completed on February 13, 2016. However, on March 2, 2016, another area of erosion of cover was observed. Blue Ridge Landfill is requested to restore the cover material and include the date of completion of repairs in the cover log. The facility is requested to submit documentation to the TCEQ Houston Region Office to verify compliance.

3/14/2016 to 5/31/2016 Inv. # - 1320039

Signed Change Placery Environmental Investigator	Date 5-31-2016
Signed Alma L. Jefferson Supervisor D	Date 05/31/2016
Attachments: (in order of final report	submittal)
Enforcement Action Request (EAR)	X Maps, Plans, Sketches
X Letter to Facility (specify type): additional	Photographs
Letter to Facility (specify type): additional compliance investigation Report	Correspondence from the facility
Sample Analysis Results	Other (specify):
Manifests	See list of attachments
Notice of Registration	

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Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 31, 2016

#### CERTIFIED MAIL #7002 2030 0003 4748 4145 RETURN RECEIPT REQUESTED

Mr. Burgess Stengl, Environmental Manager Blue Ridge Landfill TX, LP 5757 Oates Road, Suite. A Houston, Texas 77078

Re:

Additional Compliance Documentation Needed for:

Blue Ridge Landfill, 2200 FM 521 Rd., Fresno (Fort Bend County), Texas 77545

TCEQ Municipal Solid Waste Permit No. 1505A

Dear Mr. Stengl:

On March 14, 2016, Mr. Richard Blackney of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for municipal solid waste. Enclosed is a summary which lists the investigation findings. During a previous investigation on December 18, 2015, a concern was noted which was an alleged violation.

We have received the compliance documentation that you submitted January 5, 2016. However, information is still needed for the alleged violation listed in the enclosed summary. Please submit to our office within 30 days of receipt of this letter a written description of corrective action taken and the required compliance documentation demonstrating that this issue has been resolved.

The TCEQ appreciates your assistance in this matter and your compliance efforts to protect the State's environment. We look forward to receiving your response for the remaining alleged violation. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements.

If you or members of your staff have any questions, please feel free to contact Mr. Blackney in the Houston Region Office at (713) 767-3718.

Sincerely,

Alma L. Jefferson, Team Leader

lma L. Jefferson

Waste Section

Houston Region Office

ALJ/RLB/rsv

Enclosure: Summary of Investigation Findings

TCEQ Region 12 • 5425 Polk St., Ste. H • Houston, Texas 77023-1452 • 713-767-3500 • Fax 713-767-3520

Blue Ridge Landfill 2200 F.M. 521, Fresno (Fort Bend County), TX 77545 Municipal Solid Waste Permit No. 1505A MSW Complaint Investigation Conducted on March 14, 2016

#### **OUTSTANDING ALLEGED VIOLATION**

The following alleged violation was noted during the investigation conducted on December 18, 2015 and remains outstanding:

### Site Operating Plan 4.18.3 / 30 Texas Administrative Code §330.165(g) - Landfill Cover

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Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on March 14, 2016

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### Blue Ridge Landfill 2200 F.M. 521, Fresno (Fort Bend County), TX 77545 Municipal Solid Waste Permit No. 1505A MSW Complaint Investigation Conducted on March 14, 2016

#### List of Attachments

Attachment 1 TCEQ Central Registry information for Blue Ridge Landfill

Attachment 2 Meteorological conditions, map of odor survey and odor logs for March 14, 2016

Attachment 3 March 2016 cover logs

# ATTACHMENT 1

## ATTACHMENT

Questions or Comments >>

Query Home

Customer Search

RE Search

ID Search

Document Search

Search Results

**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)

1-5 of 5 Records

CN Number	Customer Name	Customer Role	Details
CN600343826	BFI WASTE SYSTEMS OF NORTH AMERICA INC	OWNER OPERATOR	65
CN601527963	BFI WASTE SERVICES OF TEXAS LP	OWNER	100
CN601721657	LONGHORN EXCAVATORS INC	OPERATOR	E)
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.

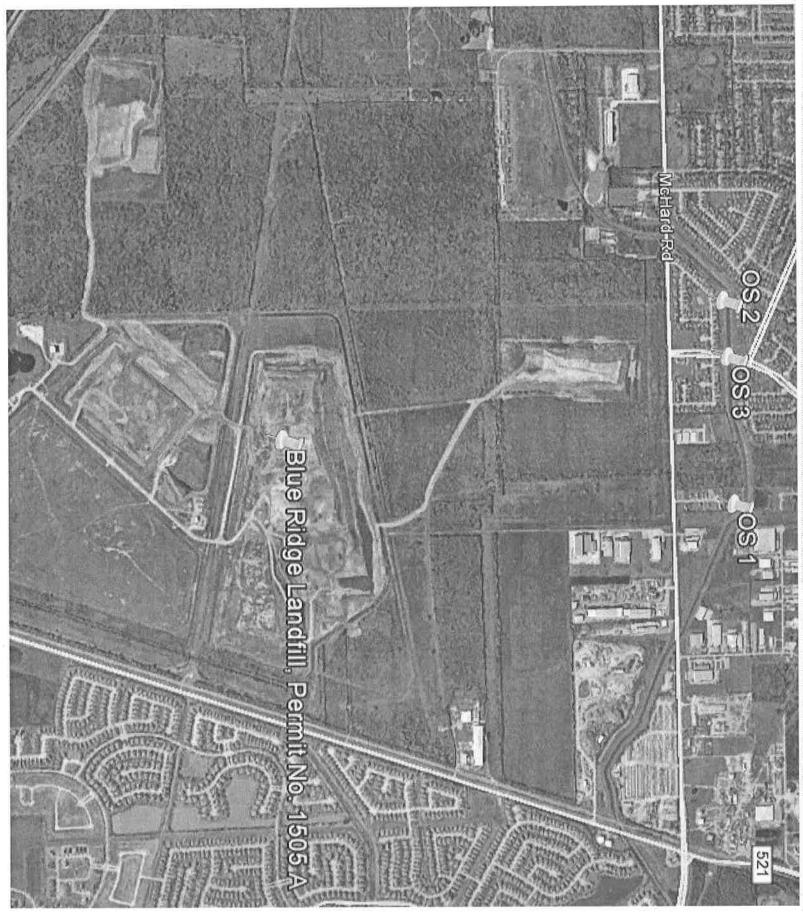
#### 1-21 of 21 Records

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	ACTIVE
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

## **ATTACHMENT 2**

AUTACHIMENT &

3-14-2016



11-5-11-5



□ Emulate WWW Report

Calibrations Air Quality Maps Data Reports AutoGC Water Data Comms Log Files Configuration 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:			
March V	14 V 2016 V 12 Hour (AM/PM) V	Generale Report	Plot Data	
☑ Green u	nderline for validated data			
☑Include	Non-Public Monitors			

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for Monday, March 14, 2016, All times shown are in CST.

Parameter	i					Мо	rning											Afte	rnoor	1		,,			Pai
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	Me
Nîtric Oxlde	-0.7	-1.2	-1.2	-0.4	-1.1	-1.0	-1.0	-0.9	-0.2	-0.3	-0.1	-0.7	-0.4	OAS	OAS	CAL	CAL	CAL	CAL	0.4	-0.4	0.0	-0.4	-0.4	Nite
Nitrogen Dioxide	-1.4	-1.5	-0.8	-0.0	-0.3	-0.1	-1.0	-0.1	-1.2	-1.4	-0.8	-1.2	-1.0	QAS	QAS	CAL	CAL	CAL	CAL	2.6	0.7	0.5	0.0	-0.1	Nitr Dio:
Oxides of Nitrogen	-2.2	-2.7	-2.0	-0.4	-1.3	-1.1	-2.1	-1.0	-1.4	-1.6	-0.8	-1.9	-1.4	QAS	<u>O</u> AS	CAL	CAL	CAL	CAL	2.8	0.3	0.5	-0.3	-0.5	Oxid
Ozone	22	22	21	19	19	19	23	25	32	37	46	54	59	56	54	52	51	48	38	33	34	35	36	32	Ozo
Wind Speed	4.6	5.7	5,1	5.3	5.5	3.8	2.9	3.6	5.6	7.0	7.9	9.2	10.2	10,9	11.7	11.9	12.7	8.9	8.6	10.4	10.9	10.5	10.0	8.3	Win
Resultant Wind Speed	4.5	5.6	5.0	5.2	5.4	2.6	2.7	3.3	5.3	6.7	7.6	8.7	9.7	10.4	11.3	11.6	12.5	8.7	8.5	10.2	10.7	10.3	9.9	8.2	Res Win
Resultant Wind Direction	196	196	198	200	200	219	228	222	221	209	204	202	206	200	195	194	192	188	161	166	179	183	189	183	Res Win Dire
Maximum Wind Gust	7.8	9.7	8.2	9.3	9.1	8.8	10.8	10.4	12.0	13.9	15.2	15.9	20.3	19.6	19.0	19.5	23.0	18.8	14.8	18.6	21.2	21.6	20.1	20.0	Max Win
Std. Dev. Wind Direction	8	9	10	9	11	45	20	20	19	18	18	18	17	16	15	12	11	13	11	11	11	11	10	9	Std. Win Dire
Outdoor Temperature	64.6	64.2	63.7	62.9	62.8	62.8	63.8	65.0	66.4	70.3	74.5	78.9	82.7	84.9	85.9	85.5	83.6	80.9	75.0	68.4	67.5	68.4	67.9	66.8	Out
Internal Station Femperature	80.4	80.6	80.1	80.0	80.0	79.7	79.8	80.3	80.4	80.7	81.2	81.6	81.6	83.8	84.7	82.2	81.5	81.1	80.7	80.1	80.2	80.3	80.4	80.2	Inte Stal Ten
Parameter	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	Pa
Measured	Ï		/			Мо	rning	1										Afte	ernoo	n					Me
						been '			with	in the	table. I	Minimur	n valu	es are	bold	italio									
	100000		THE REAL PROPERTY.	-					-		ce crite														1

#### Previous Day March 13, 2016

Daily maxima and minima for CAMS 84.

All times shown are CST.

<b>D</b>	BOG	Daily	Maximum	Daily Minimum		
Parameter	POC	Value	Hour	Value	Hour	
Nitric Oxide	1	-0.3	10:00 pm	-1.1	3:00 pm	
Nitrogen Dioxide	1 R	0.9	5:00 am	-2.7	10:00 am	
Oxides of Nitrogen	1	0.5	5:00 am	-3.3	9:00 am	
Ozone	1 R	49	11:00 am	23	4:00 am	
Wind Speed	1	14.7	11:00 am	3.2	Mldnite	
Resultant Wind Speed	1	14.1	11:00 am	3.1	Midnite	
Resultant Wind Direction	1	222	3:00 pm	143	4:00 am	
Maximum Wind Gust	1	27.8	1:00 pm	5,0	2:00 am	
Std. Dev. Wind Direction	1	24	3:00 pm	7	2:00 am	
Outdoor Temperature	1	80.5	3:00 pm	58.4	2:00 am	
Internal Station Temperature	1	81.6	Noon	79.1	6:00 am	

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

16600 Sidonie Dr.

## Supplemental Investigator's Odor Intensity Time Log

Date of Investigation:	3-14-16	Start Time:	9:48	
Date of III, obtigation.	The state of the s			

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Minutes 1 min	Odor Intensity VL, L, M, S,VS
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
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Offensiveness: Highly	_Offensive_	/	_Unpleasant _	Not Unpleasant
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7.1.5.0	Average Intensit	S	M	L	VL	No Odor
1 Min						
10 Min						
1 Hour						

05#2 (6600 Ripple Supplemental Investigator's Odor Intensity Time Log Ridge

Date of Investigation: 3-14-16 Start Time: 0.04

Minutes	Odor Intensity VL, L, M, S,VS
1 min	
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Minutes	Odor Intensity VL, L, M, S, VS
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Offensiveness: Highly	Offensive_	$\checkmark$	Unpleasant	Not Unpleasant
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Weighten	verage Intensit	S	M	L	VL	No Odor
1 Min	VS					
10 Min						
1 Hour						

05 #3

## 46t

4600 Ripplo Ridge

## Supplemental Investigator's Odor Intensity Time Log

Date of Investigation:	3-14-16	Start Time: _	10:23	
Date of Hivestigation,		Dtart Timer _		

Minutes	Odor Intensity VL, L, M, S,VS
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27	pt 11
28	VI 12
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30	11 11

Minutes	Odor Intensity VL, L, M, S, VS
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Offensiveness: Highly	Offensive _		Unpleasant	Not Unpleasant
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	VS	S	M	L	VL	No Odør
1 Min						
10 Min						
1 Hour						

# **ATTACHMENT 3**

## ATTACHMENT 3

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	Final (	Per Final CI	Grid Area											ĺ																				
			AMT1	1																														
၅			Method <sup>3</sup>																															Γ
N LC	te Cover	ioo	T <sub>2</sub>																															
COVER APPLICATION LOG	Intermediate Cover	12" Soil	Grid Area																															
APP			AMT		_																													
OVER	Rain (inches)	₹.0.5 ×	v=Yes								7	7	1	交	Z,																			
ö	Rain (inches)										2	30°	3	S.	30																			
	Soil Stockpile	Required' (yd³)																																
	Corrective Action <sup>8</sup>																																	
	Erosion or																																	
	Erosion or Leachate	Detected	ı √=Yes																															
	Inspection Date of Daily	Cover	√=Inspected	>	>	/	> /	1		7	7	7	×	7	>																			
W > 5	Elevation	MSL		12-16	1448	0ct -811	120-122	132-54		1118	18-122	112-115	115-118	18-130	च्छ-व्य																			
8	ver		Method <sup>3</sup>	1	)	7	1	J		1	1	1	Ī	1	1																			
	e Daily Co	- 1	T <sup>2</sup>	1	ſ	7	J	1		7	1	3	1	1	1																			
	Approved Alternate Daily Cover	Spray-On or Tarps	Grid Area		(	(	}	7			)	1	ļ	)	1																			
	Appr		AMT1	1	1	1	1	1		1	1	1	1	1	1																			
W-150			Method <sup>3</sup>	2)	3)	9	$\infty$	2		3	8	8	$\mathcal{Z}$	থ	B																			
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S REPUBLIC SERVICES Blue Ridge Landfill, MSW-1505A	Daily Cover	6" Soil	Grid Area	45.55	79.并	19 19	なった	なる		場が	发,以	いた。	t		_																			
Blue Ri			AMT.	1100	2 1300			250		_	8 190	Š	10 20 of	118天	12 1500																			
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PLICATION LOG

Page 1 of 2

Month / Year: March 2016

Supervisor Signature<sup>8</sup> NA NA Final Cover Certification Report Reference Corrective Action<sup>6</sup> Date Erosion Corrected<sup>5</sup> Inspection Erosion
Date of 24"
Intermediate Detected
& Final
Cover √=Yes 3.8VC 13-1K v=Inspected Method<sup>3</sup> Per Final Closure Plan  $\perp_5$ Final Cover Grid Area Method<sup>3</sup> AMT<sup>1</sup>  $\perp$ 5 Intermediate Cover 12" Soil Grid Area MT

NON HAZARDOUS
LOG CLASS
<b>PPLICATION</b>
COVER A

Final Per Final Cl Grid Area AMT1 Method Intermediate Cover 72 12" Soil Grid Area AMT Rain (inches) ≥ 0.5"⁴ v=Yes Rain (inches) Soil Stockpile Required<sup>7</sup> (yd³) Corrective Action Inspection Erosion or Date Date of Daily Leachate Erosion or Leachate Seep Corrected<sup>5</sup> Seep Detected v'≂Yes v≠Inspected Cover<sup>4</sup> > 43 MSL 74 7 4 イプ 49 47 40 74 Method<sup>3</sup> Approved Alternate Daily Cover 1 Spray-On or Tarps \_5 Grid Area 0 ١ AMT1 1 Method<sup>3</sup> 6 3 <u>-</u>9 رً 9 P Daily Cover 6" Soil 3条及分子 8年日子 34 Q-35 Grid Area R-25 R-25 R-35 1540 R-25 10 Stry (0.35 4 520 2 450 1250 AMT1 12 13 7 5 16 20 19 17 20 23 24 25 26 27 29 8

Services
Blue Ridge Landfill, MSW-1505A

CLASS 1

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March 2016	Supervisor Signature		135		4		業	The state of the s												
Month / Year: March	Final Cover Certification Report	Reference																		
	Corrective Action <sup>6</sup>																			
	Date Erosion																			
LASS I NON HAZARDOUS	Erosion 2 4"		v=Yes																	
	Inspection	Intermediate & Final Cover <sup>4</sup>	\=Inspected																	
			Method <sup>3</sup>																	
	/er	ıre Plan	Τ2														-			
	Final Cover	Per Final Closure Plan	Grid Area																	
			AMT1										-			-	-		-	
N HA			Method <sup>3</sup>													-	-	+		
ON I	Cover	-	$T^2$											-					-	-
LASS	termediate Cover	12" Soil	3rid Area																	

(2)			
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