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
229216 228759
229047

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

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

NAIC Code: 562212
SIC Code: 4953
SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

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

Local Unit: REGION 12 - HOUSTON
Activity Type(s): MSWCMPL - Investigation of MSW complaint

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone	
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
PARTICIPATED IN	OPERATIONS SUPERVISOR	MR LARRY MUNGER	Work	(832) 710-9856

Other Staff Member(s):

Role	Name
QA Reviewer	TOM COLLINS
Supervisor	ALMA JEFFERSON

Associated Check List

Checklist Name	Unit Name
MSW COMPLAINT INVESTIGATION	complaint

Investigation Comments:

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 TCEQ'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

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 l 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.

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.

Signed Richard Blackmy **Date** 5-31-2016
Environmental Investigator

Signed Alma L. Jefferson **Date** 05/31/2016
Supervisor

Attachments: (in order of final report submittal)

___Enforcement Action Request (EAR)
_X_Letter to Facility (specify type) : additional compliance request
Investigation Report
___Sample Analysis Results
___Manifests
___Notice of Registration

_X_Maps, Plans, Sketches
___Photographs
___Correspondence from the facility
_X_Other (specify) :
See list of attachments

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

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

ALJ/RLB/rsv

Enclosure: Summary of Investigation Findings

SUMMARY OF INVESTIGATION FINDINGS

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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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

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	
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

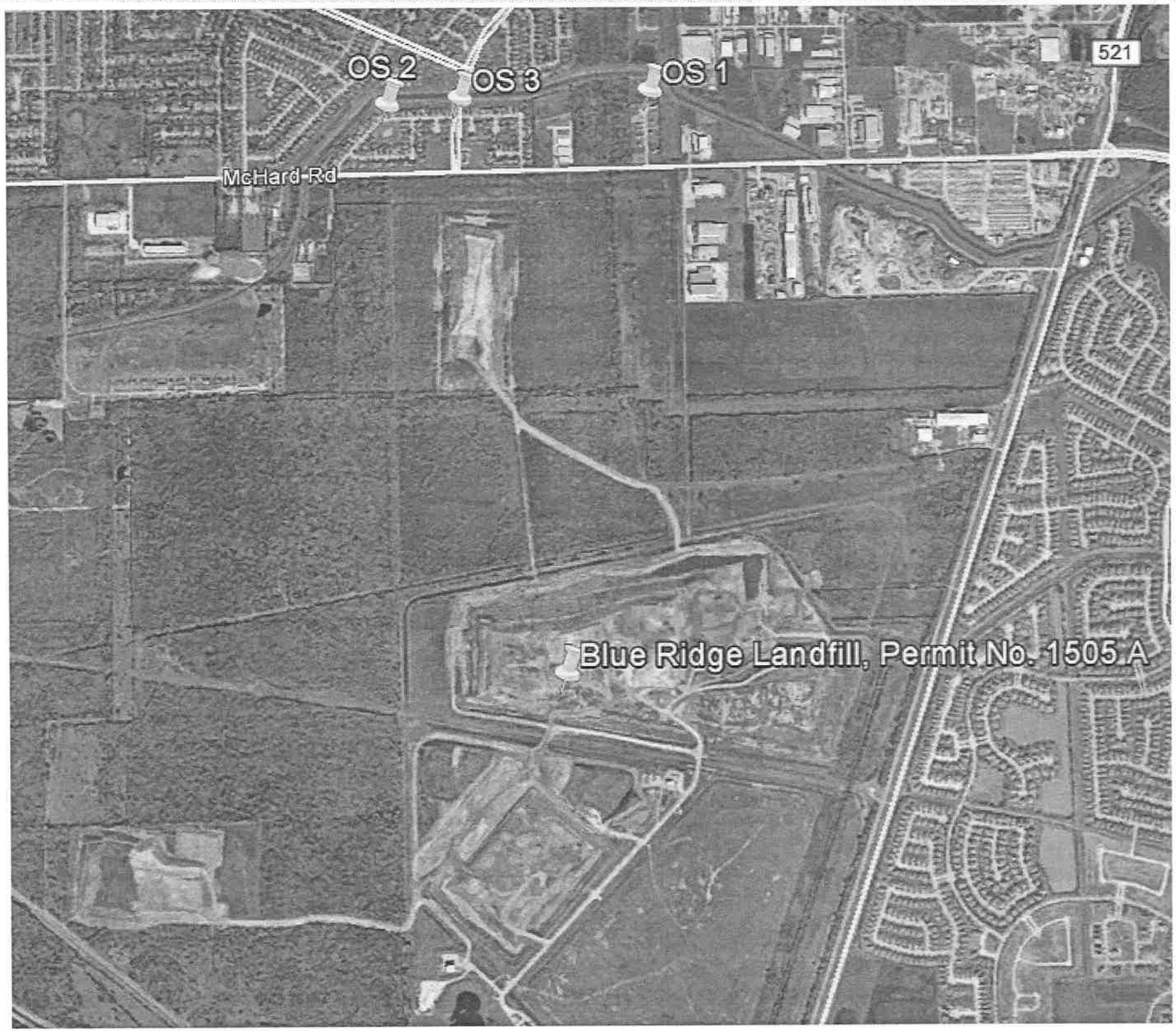
Permits, Registrations, or Other Authorizations

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	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


OS 2
OS 3
OS 1
521
McHard Rd
Blue Ridge Landfill, Permit No. 1505 A

3-14-2016

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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 | 14 | 2016 | 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, March 14, 2016**. All times shown are in CST.

Parameter Measured	Morning												Afternoon												Par Me
	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	-0.7	***-1.2***	-1.2	-0.4	-1.1	-1.0	-1.0	-0.9	-0.2	-0.3	-0.1	-0.7	-0.4	QAS	QAS	CAL	CAL	CAL	CAL	**0.4**	-0.4	0.0	-0.4	-0.4	Nitri
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 Diox
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	QAS	CAL	CAL	CAL	CAL	**2.8**	0.3	0.5	-0.3	-0.5	Oxid Nitr
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	Resu 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	Resu 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 Tem
Internal Station Temperature	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 Stat Tem
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	Par Me
	Morning												Afternoon												

x.xx Indicates the data has been validated.

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

March 13, 2016

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	-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	Midnite
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

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

OS #1 16600 Sidonie Dr.

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3-14-16 Start Time: 9:48

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	
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	no odor
49	" "
50	" "
51	" "
52	" "
53	" "
54	" "
55	" "
56	" "
57	" "
58	" "
59	" "
60	" "

Offensiveness: Highly_____ Offensive ✓ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

OS #2 16600 Ripple Ridge

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3-14-16 Start Time: 10:04

Minutes	Odor Intensity VL, L, M, S,VS
1 min	
2	
3	
4	no odor
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	
58	
59	
60	

Offensiveness: Highly_____ Offensive ✓ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

OS #3 4600 Ripple Ridge

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 3-14-16 Start Time: 10:23

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	no odor
24	" "
25	" "
26	" "
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	

Offensiveness: Highly_____ Offensive ✓ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

ATTACHMENT 3

REPUBLIC SERVICES

Blue Ridge Landfill, MSW-1505A

MSW

COVER APPLICATION LOG

	Daily Cover 6" Soil				Approved Alternate Daily Cover Spray-On or Tarps				Elevation MSL	Inspection Date of Daily Cover[4]	Erosion or Leachate Seep Detected	Date Erosion or Leachate Seep Corrected[5]	Corrective Action[6]	Soil Stockpile Required[7] (yd^3)	Rain (inches)	Rain (inches) ≥ 0.5"[4]	Intermediate Cover 12" Soil				Final C Per Final Cl	
	AMT[1]	Grid Area	T[2]	Method[3]	AMT[1]	Grid Area	T[2]	Method[3]		√=Inspected	√=Yes					√=Yes	AMT[1]	Grid Area	T[2]	Method[3]	AMT[1]	Grid Area
1	1100	II-47 49-50	6"	B	—	—	—	—	112-116	✓												
2	1100	II-47 48-49	6"	B	—	—	—	—	116-118	✓												
3	1100	II-47 48-49	6"	B	—	—	—	—	118-120	✓												
4	1100	II-47 48-49	6"	B	—	—	—	—	120-122	✓												
5	750	II-47 49-50	6"	B	—	—	—	—	122-124	✓												
6																						
7	1500	II-47 48-49	6"	B	—	—	—	—	116-118	✓												
8	1100	II-47 48-49	6"	B	—	—	—	—	118-122	✓					.50"	✓						
9	stock	HH-47 47-48	6"	B	—	—	—	—	112-115	✓					.30"	✓						
10	stock	HH-47 47-48	6"	B	—	—	—	—	115-118	✓					.60	✓						
11	stock	HH-47 47-48	6"	B	—	—	—	—	118-120	✓					.20	N/A						
12	1500	HH-47 47-48	6"	B	—	—	—	—	120-122	✓					.20	N/A						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
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29																						
30																						
31																						

·PLICATION LOG

Month / Year: March 2016

Intermediate Cover 12" Soil				Final Cover Per Final Closure Plan				Inspection Date of Intermediate & Final Cover[4]	Erosion ≥ 4" Detected	Date Erosion Corrected[5]	Corrective Action[6]	Final Cover Certification Report Reference	Supervisor Signature[8]
MT[1]	Grid Area	T^2	Method[3]	AMT[1]	Grid Area	T^2	Method[3]	√=Inspected	√=Yes				
													[signature]
													[signature]
													[signature]
													[signature]
								√ 3/8/16					[signature]
													[signature]
													[signature]
													[signature]
													[signature]
								√ 3-14-16					[signature]
													[signature]

REPUBLIC SERVICES

Blue Ridge Landfill, MSW-1505A

CLASS 1

COVER APPLICATION LOG CLASS I NON HAZARDOUS

	Daily Cover 6" Soil				Approved Alternate Daily Cover Spray-On or Tarps				Elevation MSL	Inspection Date of Daily Cover[4]	Erosion or Leachate Seep Detected	Date Erosion or Leachate Seep Corrected[5]	Corrective Action[6]	Soil Stockpile Required[7] (yd^3)	Rain (inches)	Rain (inches) ≥ 0.5"[4]	Intermediate Cover 12" Soil				Final Per Final Cl	
	AMT[1]	Grid Area	T[2]	Method[3]	AMT[1]	Grid Area	T[2]	Method[3]		√=Inspected	√=Yes					√=Yes	AMT[1]	Grid Area	T[2]	Method[3]	AMT[1]	Grid Area
1	450	R-25	6"	B	—	—	—	✓	49	✓												
2	450	R-25	6"	B	—	—	—	✓	49	✓												
3	Stock	R-25	6"	B	—	—	—	—	49	✓												
4	540	R-25	6"	B	—	—	—	—	49	✓												
5																						
6																						
7	540	R-25	6"	B	—	—	—	—	49	✓												
8	Stock	Q-25	6"	B	—	—	—	—	43	✓												
9	Stock	Q-25	6"	B	—	—	—	—	43	✓												
10	Stock	Q-25	6"	B	—	—	—	—	43	✓												
11	Stock	Q-25	6"	B	—	—	—	—	44	✓												
12																						
13																						
14																						
15																						
16																						
17																						
18																						
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28																						
29																						
30																						
31																						

LASS I NON HAZARDOUS

Month / Year: March 2016

ıtermediate Cover 12" Soil			Final Cover Per Final Closure Plan				Inspection Date of Intermediate & Final Cover[4]	Erosion ≥ 4" Detected	Date Erosion Corrected[5]	Corrective Action[6]	Final Cover Certification Report Reference	Supervisor Signature[8]
Grid Area	T^2	Method[3]	AMT[1]	Grid Area	T^2	Method[3]	√=Inspected	√=Yes				
												[illegible]
												[illegible]
												[illegible]
												[illegible]
												[illegible]
												[illegible]
												[illegible]
												[illegible]
												[illegible]