



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 25, 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.: 1428314

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on July 10, 12, 13, 14, 17, 18, 19, 20, 21, and 24, 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 21, 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_201, 0721_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 # 1428314

Incident Numbers

263203	263204
263239	262739
263233	263225
262955	262748
263186	263241
263194	263190
262719	262729
263205	262966
263206	263217
262742	262956
263195	262962
262750	263219
263207	263197
263209	263255
263227	263237
263191	263181
262963	263221
263199	262958
263257	263212
262753	262727
262964	262738
263200	263189
262728	262745
263185	262734
262965	263213

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/21/2017 -- 12/12/2017

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): MSWCMPL - Investigation of MSW
complaint

Principal(s):

Role

RESPONDENT

Name

BLUE RIDGE LANDFILL TX LP

BLUE RIDGE LANDFILL - FRES.

7/21/2017 to 12/12/2017 Inv. # - 1428314

Page 2 of 5

Contact(s):

Role	Title	Name	Phone
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Cell (832) 835-8839
PARTICIPATED IN	LANDFILL OPERATIONS MANAGER	MR MATT MONTAGNA	Office (281) 668-9739
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669

Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON
QA Reviewer	TOM COLLINS

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
MSW COMPLAINT INVESTIGATION	complaint

Investigation Comments:**INTRODUCTION**

On July 10, 12, 13, 14, 17, 18, 19, 20, 21 and 24, 2017, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received 193 complaints about 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 July 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20 and 21, 2017. One of the complaints also alleged the burning of trash on July 12 and 13, 2017.

On July 21, 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. It includes technical requirements for minimizing odors.

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.

At the time of the investigation, the waste acceptance hours were 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. 262719, 262727, 262728, 262729, 262734, 262738, 262739, 262742, 262745, 262748, 262750, 262753, 262955, 262956, 262958, 262962, 262963, 262964, 262965, 262966, 263181, 263185, 263186, 263189, 263190, 263191, 263194, 263195, 263197, 263199, 263200, 263203, 263204, 263205, 263206, 263207, 263209, 263212, 263213, 263217, 263219, 263221, 263225, 263227, 263233, 263237, 263239, 263241, 263255, 263257, 263258, 263259, 263262, 263265, 263268, 263271, 263281, 263294, 263298, 263300, 263302, 263304, 263306, 263307, 263309, 263310, 263321, 263324, 263326, 263328, 263331, 263332, 263347, 263351, 263352, 263364, 263368, 263372, 263374, 263382, 263384, 263386, 263387, 263388, 263389, 263536, 263537, 263539, 263544, 263545, 263547, 263549, 263550, 263553, 263554, 263570, 263571, 263573, 263576, 263579, 263581, 263582, 263585, 263586, 263587, 263588, 263589, 263591, 263690, 263691, 263692, 263693, 263695, 263698, 263699, 263700, 263701, 263708, 263710, 263711, 263712, 263713, 263714, 263716, 263722, 263726, 263727, 263728, 263729, 263732, 263733, 263734, 263735, 263737, 263738, 263740, 263741, 263742, 263743, 263745, 263746, 263747, 263749, 263750, 263756, 263758, 263761, 263762, 263764, 263767, 263769, 263770, 263772, 263773, 263775, 263776, 263777, 263779, 263780, 263781, 263783, 263785, 263786, 263787, 263789, 263790, 263792, 263934, 263937, 263939, 263940, 263941, 263943, 263944, 263946, 263947, 263949, 263951, 263952, 263955, 263959, 263960, 263961, 263962, 263963, 263964, 263966, 263968, 263970, 263971, 263972, 263973 and 263975). Some of the incidents for this complaint are included in Data Maintenance File Review Nos. 1429121, 1429122 and 1429124.

Description of Alleged Effects:

Headaches, nausea, breathing discomfort, coughing, sore throat, and burning of the eyes were alleged as occurring due to the odors.

Meteorological data at the time of the odor survey:

Resultant Wind Direction: West to South-southeast

Resultant Wind Speed: 1.6 to 5.5 mph

Outdoor Temperature: 83.5 °F

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

Odor Survey (OS):

The investigator arrived at the first survey point at the intersection of FM 2234 and Kirby Dr. in Pearland. OS No. 1 took place downwind of BRL and was conducted at 9:10 a.m. An odor typical of garbage was detected during one of the 15 minutes spent at OS site No. 1.

The investigator went to OS site No. 2 located at the intersection of Kirby Dr. and N. Spectrum Blvd. in Pearland. OS No. 2 was conducted at 9:40 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

The investigator went to OS site No. 3 located at the 2400 block of Lost Bridge Lane in Pearland. OS No. 3 took place downwind of BRL and was conducted at 10:34 a.m. Garbage odors were detected during four of the 25 minutes spent at OS No. 3, averaging to very light.

Summary of on-site investigation:

Following odor survey No. 3, the investigator arrived at BRL and met with Mr. Matt Montagna, Landfill Operations Manager, and Mr. Chance Seely, Environmental Specialist, 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 and Class 1 cover logs for July 1-20, 2017 (Attachment 3).

BRL has a system of misters for the purpose of neutralizing odors. The investigator viewed the misting system in operation. BRL also operates another odor control system using vapor rather than mist, which the investigator viewed.

There was no indication of burnt trash during the on-site investigation.

Odor Survey, continued:

Following the on-site investigation, the investigator went to OS site No. 4 located at the intersection of FM 521

and Riley Rd. near Pearland. OS No. 4 was conducted at 12:21 p.m. No odors were detected during the 15 minutes spent at OS No. 4.

The investigator went to OS site No. 5 located at the intersection of Feld Dr. and Bluebonnet Dr. near Pearland. OS No. 5 was conducted at 12:42 p.m. No odors were detected during the 15 minutes spent at OS No. 5.

The investigator went to OS site No. 6 located on the 2700 block of Biscayne Bay Dr. in Pearland. OS No. 6 was conducted at 1:07 p.m. No odors were detected during the 15 minutes spent at OS No. 6.

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

Description of Odor:

Odors typical of landfill garbage were detected during the odor survey.

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:

While off-site, the investigator detected odors from the direction of Blue Ridge Landfill.

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 during odor surveys conducted on July 5 and 7, 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 21, 2017.

No Violations Associated to this Investigation

Signed Richard Black Date 1-25-2018
Environmental Investigator

Signed Alma L. Jefferson Date 01/25/2018
Supervisor

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

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 # 1429121

Incident Numbers

263536	263544
263372	263259
263324	263389
263547	263310
263570	263304
263384	263550
263374	263294
263537	263576
263326	263262
263368	263554
263573	263265
263331	263364
263579	263281
263351	263386
263306	263307
263545	263268
263347	263332
263298	263271
263539	263549
263321	263309
263300	263382
263258	263387
263571	263302
263352	263328
263388	263553

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/21/2017 -- 12/12/2017

SIC Code: 1521

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

NAIC Code: 562212

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
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Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check ListChecklist NameUnit NameInvestigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1428314.

No Violations Associated to this Investigation

Signed

Richard Bladeney
Environmental Investigator

Date

1-25-2018

Signed

Alma L. Jefferson
Supervisor

Date

01/25/2018**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

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 # 1429122

Incident Numbers

263589	263711
263750	263728
263701	263698
263734	263740
263729	263591
263735	263712
263745	263733
263713	263691
263587	263761
263746	263714
263738	263762
263716	263699
263764	263692
263708	263737
263747	263756
263585	263722
263695	263588
263581	263741
263767	263726
263758	263749
263690	263700
263742	263693
263710	263582
263586	263732
263743	263727

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/21/2017 -- 12/12/2017

SIC Code: 1521

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

NAIC Code: 562212

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
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Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check List

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

Investigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1428314.

No Violations Associated to this Investigation

Signed

Richard Blackney
Environmental Investigator

Date

1-25-2018

Signed

Alma L. Jefferson
Supervisor

Date

01/25/2018

Attachments: (in order of final report submittal)☐ Enforcement Action Request (EAR)☐ Letter to Facility (specify type) : _____☐ Investigation Report☐ Sample Analysis Results☐ Manifests☐ Notice of Registration☐ Maps, Plans, Sketches☐ Photographs☐ Correspondence from the facility☐ Other (specify) : _____

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 # 1429124

Incident Numbers

263937	263769
263770	263949
263955	263968
263790	263941
263783	263772
263773	263962
263792	263973
263785	263775
263943	263946
263934	263970
263963	263952
263939	263776
263951	263786
263777	263959
263971	263964
263960	263975
263947	263779
263780	263972
263944	263781
263940	263787
263789	263961
263966	

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 07/21/2017 -- 12/12/2017

SIC Code: 1521

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

NAIC Code: 562212

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):

BLUE RIDGE LANDFILL - FRES.

7/21/2017 to 12/12/2017 Inv. # - 1429124

Page 2 of 2

Role	Title	Name	Phone
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Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
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Investigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1428314.

No Violations Associated to this Investigation

Signed

Richard Blackney
Environmental Investigator

Date

1-25-2018

Signed

Alma L. Jefferson
Supervisor

Date

01/25/2018

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

**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 21, 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 AuthorizationsThere 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	TXR15N296	CANCELLED
STORMWATER	PERMIT	TXR15QJ54	EXPIRED
STORMWATER	PERMIT	TXR15RD60	EXPIRED

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ATTACHMENT 2



TEXAS COMMISSION
ON ENVIRONMENTAL QUALITY

Calibrations Air Quality Maps Data Reports AutoQC 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

Month: Day: Year: Time Format:

July 21 2017 12 Hour (AM/PM)

☒ 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 Friday, July 21, 2017. All times shown are in CST.

Parameter Measured	Morning												Afternoon												Pa 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	0.8	2.6	2.2	8.9	12.0	16.4	19.4	4.3	0.8	0.0	-0.0	-0.0	0.0	-0.1	-0.1	0.1	0.3	0.3	0.2	-0.0	-0.0	-0.0	0.2	0.1	Nitr	
Nitrogen Dioxide	3.7	4.5	2.8	5.0	5.1	4.6	5.2	4.7	1.7	1.5	1.4	1.2	1.5	1.4	1.3	2.1	2.2	1.8	2.5	2.4	3.7	3.5	4.3	3.1	Nitr Dio	
Oxides of Nitrogen	4.5	7.1	5.0	13.7	17.1	20.9	24.4	9.0	2.4	1.4	1.3	1.1	1.4	1.3	1.2	2.2	2.5	2.0	2.7	2.3	3.7	3.5	4.5	3.2	Oxi N	
Ozone	1	0	1	0	0	0	1	6	12	16	17	20	23	26	29	26	22	15	11	10	7	6	4	4	Ozo	
Wind Speed	1.7	1.7	1.5	0.9	0.9	1.2	1.3	2.2	4.1	3.7	2.8	3.3	4.8	6.0	5.6	8.7	10.7	9.2	7.5	4.7	3.4	2.1	2.8	1.2	Win	
Resultant Wind Speed	1.2	1.4	0.4	0.7	0.6	0.3	1.1	1.7	3.8	3.0	1.6	2.0	4.2	5.5	5.2	8.2	10.3	9.0	7.4	4.6	3.3	1.8	2.5	0.7	Res Win	
Resultant Wind Direction	198	224	142	58	70	321	44	275	260	251	266	240	159	173	189	145	134	156	155	167	162	180	163	213	Res Win Dire	
Maximum Wind Gust	3.1	3.6	2.9	1.7	1.9	2.3	3.7	7.0	8.6	9.3	7.8	9.2	9.5	12.5	11.2	23.4	20.0	17.2	15.1	9.8	6.0	4.1	5.5	2.6	Max Win	
Std. Dev. Wind Direction	44	33	69	37	45	69	35	39	23	36	54	51	27	24	22	19	15	12	11	14	12	32	25	51	Std. Win Dire	
Outdoor Temperature	79.0	78.0	77.7	77.3	77.0	77.3	78.7	82.5	85.1	86.6	88.1	90.0	91.3	91.5	92.8	90.9	86.3	86.1	85.0	83.1	81.5	80.7	79.8	79.3	Out Tem	
Internal Station Temperature	81.5	81.6	81.9	81.6	81.7	81.7	81.8	82.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.2	82.8	82.4	82.1	82.0	81.9	81.9	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	Pa Me	
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

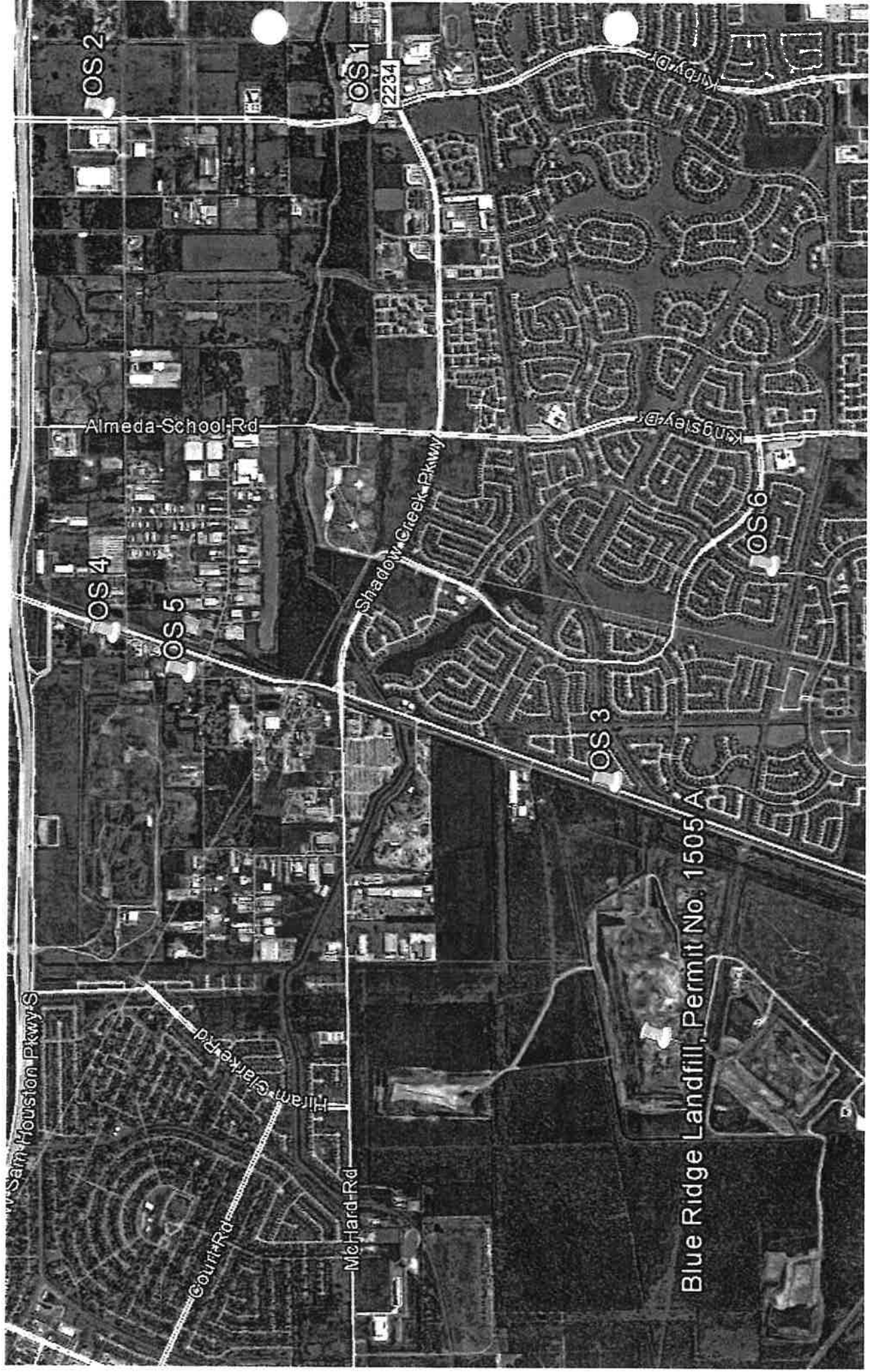
July 20, 2017

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	3.0	Midnite	-0.1	1:00 pm
Nitrogen Dioxide	1 R	7.4	1:00 am	1.3	8:00 am
Oxides of Nitrogen	1	9.7	1:00 am	1.4	8:00 am
Ozone	1 R	44	3:00 pm	0	Midnite
Wind Speed	1	11.1	4:00 pm	0.3	3:00 am
Resultant Wind Speed	1	10.7	4:00 pm	0.0	3:00 am
Resultant Wind Direction	1	340	Noon	39	3:00 am
Maximum Wind Gust	1	19.7	3:00 pm	0.3	3:00 am
Std. Dev. Wind Direction	1	75	3:00 am	12	6:00 pm
Outdoor Temperature	1	94.2	3:00 pm	77.5	4:00 am
Internal Station Temperature	1	84.9	2:00 pm	81.6	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

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: 2234 + Kirby Dr.Date of Investigation: 7-21-2017Start Time: 9:10am

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	VL
11	no odor
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	

Odor Description: Sweet, possible garbage odorOffensiveness: Highly _____ Offensive X Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

downwind of Blue Ridge Landfill

052

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BlackneyLocation: Kirby + N. Spectrum Blvd.Date of Investigation: 1-21-2017Start Time: 9:40

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	
27	
28	
29	
30	

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	no odor
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						

053

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard BucknerLocation: 2400 back of East Ridge LaneDate of Investigation: 7-21-2017Start Time: 10:34

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	
27	
28	
29	
30	

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

Odor Description: garbageOffensiveness: Highly _____ Offensive X Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor
1 Min					<u>X</u>	
10 Min					<u>X</u>	
1 Hour						

downwind of Blue Ridge Landfill

054

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard Blackney Location: FM 521 + Riley Rd.
 Date of Investigation: 7-21-70 Start Time: 12:21 pm

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	no odor
22	" "
23	" "
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	" "

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: E. H. KrewLocation: Feld Dr + Blumhagen DrDate of Investigation: 7-21-97Start Time: 12:42

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
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7	
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12	
13	
14	
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16	
17	
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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	No odor
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						

056

Supplemental Investigator's Odor Intensity Time Log

Investigator: R. J. [unclear] Location: 2700 Block of [unclear]
 Date of Investigation: 7-21-2017 Start Time: 1:07

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	no odor
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
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25	
26	
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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	
42	
43	
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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

[illegible]

1	
2	
3	
4	
5	
6	Started new let down Phase III south slope
7	Repaired Subgrade Phase II Graded lands of concrete & graded
8	Continued let down Phase III south slope &
9	
10	Graded north slope Phase II AA-CC to permit erosions Completed let down Phase III south slope
11	
12	Repaired erosions Phase III north slope CC-EE
13	Repaired erosions Phase III south slope PP-S3
14	Repaired erosions Phase III north slope
15	Repaired & graded Phase III top deck CC-JJ
16	
17	Graded & covered Phase III top deck JJ-AA, repaired erosion graded Phase III north slope CC-HH
18	Graded to repair erosions Phase III south slope AA-DD, repaired immediate slope Phase III east side Grd 48-50
19	Graded to repair erosions Phase III south slope DD-TT
20	Graded to repair erosions Phase III south slope TT-RR.
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31	

Page 1 of 2

Page 1 of 2

[illegible]

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