Bryan W. Shaw, Ph.D., P.E., Chairm
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

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 July21, 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,

Alma L. Jefferson, Team Leader

Waste Section

Houston Region Office

ALJ/RLB/rsv

MSW PA_1505A_CO_201, J721_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

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

Name

RESPONDENT

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 QA Reviewer ALMA JEFFERSON TOM COLLINS

Associated Check List

Checklist Name

Unit Name

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.

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

Page 3 of 5

Complainant Information:

See confidential files (TCEO 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 I waste in its Class I disposal cell Monday through Friday, and receives MSW in the MSW cell Monday through Saturday. Six inches of soil is applied to the Class I cell and MSW cell at the end of each operating day. The investigator viewed the MSW and Class I working faces, by which piles of soil were observed. The investigator obtained a copy of the MSW and Class I 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

BLUE RIDGE LANDFILL - FRESN

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

Page 4 of 5

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

Environmental Investigator

Date 01/25/2018

BLUE RIDGE LANDFILL - FRES. J

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

Page 5 of 5	Page	5	of 5	
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Attachments: (in order of final report Enforcement Action Request (EAR) Letter to Facility (specify type): Investigation Report Sample Analysis Results	Maps, Plans, Sketches Photographs Correspondence from the facility Other (specify):
ManifestsNotice of Registration	See list of attachments

9.

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
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Incident Numbers	
263536	263544
263372	263259
263324	263389
263547	263310
263570	263304
263384	263550
263374	263294
263537	2635 7 6
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

BLUE RIDGE LANDFILL - FRES. 7/21/2017 to 12/12/2017 Inv. # - 1429121 Page 2 of 2 Contact(s): Role Title Name Phone Other Staff Member(s): Role Name Supervisor ALMA JEFFERSON **Associated Check List Checklist Name Unit Name Investigation Comments:** This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1428314. No Violations Associated to this Investigation Signed Signed

____Maps, Plans, Sketches

__Other (specify):

____Correspondence from the facility

____Photographs

Attachments: (in order of final report submittal)

____Enforcement Action Request (EAR)
____Letter to Facility (specify type) : ____

Investigation Report

____Manifests

_Sample Analysis Results

__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

Incident Numbers Investigation # 1429122 Site Classification TYPE 1 Investigator: RICHARD BLACKNEY SIC Code: 1521 Conducted: 07/21/2017 -- 12/12/2017 NAIC Code: 486210 SIC Code: 4922

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):

SIC Code: 4953 NAIC Code: 562212

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

7/21/2017 to 12/12/2017 Inv. # - 1429122 Page 2 of 2 Contact(s): Title Role Name Phone Other Staff Member(s): Role Name Supervisor ALMA JEFFERSON **Associated Check List Checklist Name Unit Name Investigation Comments:** This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1428314. No Violations Associated to this Investigation Date 01/25 Signed Attachments: (in order of final report submittal) ____Maps, Plans, Sketches ___Enforcement Action Request (EAR) _Photographs ____Letter to Facility (specify type) : ___ __Correspondence from the facility Investigation Report _Other (specify): ____Sample Analysis Results

BLUE RIDGE LANDFILL - FRES. . J

_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 # 142	29124
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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

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r(s):		
Name		
ALMA JEFFEF	RSON	
Associated C	heck List	
	<u>Unit Na</u>	<u>me</u>
nents:		
	o associate addtion	nal incidents for Investigation No. 14283
No Violations	Associated to thi	is Investigation
houd Bla	leny	Date 1-25-2018
iviroimientai mivestiga		
		1
e e a a	2	Date 01/25/2018
mad. Jeff	luson_	
Supervisor 00		
s: (in order of final	report submi	ttal)
Action Request (EAR)		Maps, Plans, Sketches
ility (specify type) :		Photographs
oort		Correspondence from the facility
	Associated Conents: The File Review was created to the No Violations of	Associated Check List Unit Na nents: File Review was created to associate addition No Violations Associated to the vironmental Investigator Supervisor S: (in order of final report submit Action Request (EAR) ility (specify type):

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 >>

TCEO Home Query Home Customer Search RE Search 10 Search Document Search

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 A	Number A Customer Name		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	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	CANCELLE
AIR NEW SOURCE PERMITS	REGISTRATION	51882	CANCELLE
AIR NEW SOURCE PERMITS	REGISTRATION	55939	CANCELLE
AIR NEW SOURCE PERMITS	REGISTRATION	77271	CANCELLE
AIR NEW SOURCE PERMITS	REGISTRATION	77703	CANCELLE
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	CANCELLE
STORMWATER	PERMIT	TXR055302	ACTIVE
STORMWATER	PERMIT	TXR15NZ96	CANCELLE
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



Calibrations

Air Quality Maps

Data Reports

AutoGC

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.

→ Select a different site Manyel Croix Park C64

Month: Day: Year: Time Format:

July V 2017 V 12 Hour (AM/PM) V 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 Friday, July 21, 2017. All

	ent-re	-	anti-	475-		Mo	rning			V	V	V	V	W	147				rnoor						P
Parameter Measured	Mid	1.00	2:00	3.00	4·nn	5.00	5:00	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	M
Nitric Oxide		2.6	2.2	8.9			19.4		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	INI
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	Ni Di
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	N.
Ozone	1	О	1	0	0	0	1	6	12	16	17	20	23	26	<u>29</u>	26	22	15	11	10	7	6	4	4	02
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	W
Resultant Wind Speed		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	Re
Resultani Wind Oliver		224	142	58	70	321	44	275	260	251	266	240	159	173	189	145	134	156	155	167	162	180	163	213	Ri W Di
Maximum Wind Gush	an Lines	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	W
Std. Dav. Wind Direction	11	33	69	37	45	69	35	39	23	36	54	51	27	24	22	19	15	12	11	14	12	32	25	51	St W
Outdoor	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	Te
Internal Station		1		li .		11	0	11	11			83.5											81.9	81.9	SI
Parameter Measured	Mid	1:00	2:00	3:00	4:00		6:00 orning		8:00	9:00	10:00	11:00	Noor	1:00	2:00	3:00	4:00	5:00 Afte	6:00	7:00 n	8:00	9:00	10:00	11:00	
measured	Maxir	num	alues	for ea	ch pa				withi	n the t	able. M	linimun	n value	es are	bold	italic									1
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Previous Day July 20, 2017 Daily maxima and minima for CAMS 84.

All times shown are CST.

1 Parette learner and the second		Daily Maximum		Daily Minimum		
Parameter	POC	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	
Regultant Wind Direction	710100	340	Noon	39	3:00 am	
Mazimum Wind Gust	And in contrast of	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	-	84.9	2:00 pm	81.6	3:00 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 lit 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



of Inve	Supplemental In: Richard Black stigation: 1-21-20	Start Time:	= 1:10 am	
ites	Odor Intensity VL, L, M, S,V	S Minutes	Odor Intensity	y VL, L, M, S, VS
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	ption: Sweet, ss: HighlyOffensi	ossible garl	0	d o

10 Min

1 Hour

downwind of Blue Ridge LandFill

052

Supplemental Investigator's Odor Intensity Time Log

	tor's Oddi Intelisity Time Log
Investigator: Richard Blackney	Location: Kirby + N. Spectrum Blvd.
Date of Investigation: 1-21-2017 0	Start Time: 4:40

Minutes	Odor Intensity VL, L, M, S,VS
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	VS	S	M	L	VL	No Odor
1 Min						
10 Min						
1 Hour						

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Supplemental Investigator's Odor Intensity Time Log

Investigator:

Date of Investigation:

Start Time:

Start Time:

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Minutes	Odor Intensity VL, L, M, S, VS
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Odor Description:	hige				
Offensiveness: Highly	Offensive _	λ	Unpleasant	Not Unplea	asant
Weighted Average Intensity:					

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

downwind of Blue Ridge Landfill

054

Supplemental Investigator's Odor Intensity Time Log

Investigator:	and the Lock Mary	Location:	FM 521+	Ralass Rd
Date of Investigation:	7-21-7017	_Start Time: _	17.21 pm	

Minutes	Odor Intensity VL, L, M, S,VS
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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						

055

Supplemental Investigator's Odor Intensity Time Log

Investigator:

Date of Investigation:

Start Time:

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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						



Supplemental Investigator's Odor Intensity Time Log

Supplemental investiga	tor 5 Out	i littensity line 105	Fa
Investigator:	Location:	2 ILL Phinx of Coscusive	The way
Date of Investigation:	Start Time:	1.07	1

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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

SERVICES
Blue Ridge Landfill, MSW-1505A

msm

COVER APPLICATION LOG

Month / Year: July 2017 Page 1 of 2

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Daily Cover		Аррп	Approved Atternate Daily Cover	te Daily Co		Elevation	Inspection Erosion or Date of Daily Leachate	Erosion of Leachate	Date Erosion or	Corrective Action ^e	 Rain (inches)	Rain (inches)	Internediate Cover	DVBL		Final Cover	over		Inspection Date of	Erosion ≥ 4	Date Erosion Corrected ^s	Action*	Final Cover Certification Report	Supervisor Signature
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[≈] Amount of cover (soil) in yd or alternate daily cover in bags or tarp area

hickness in Inches

wethods: 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 of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation starting reasons for delay. Corrective Action: R = Restoring cover material: G = Grading. M = Compacting: S = Seeding

SOP Section 7.74 requires a soil stockpile to be maintained within 1.000 ft of the working face. The mount of soil required is dependent upon the maximum alicipated size of the working face. A 50 yd soil stockpile is required within 1.000 ft of the working face. The mount of soil required is dependent upon the maximum alicipated size of the working face. A 50 yd soil stockpile is required within 1.000 ft of the Regulated Asbesto-Containing Material (RACM) disposal area. Signature certifies work accomplished as stated in the Cover Application Log.

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COVER APPLICATION LOG CLASS I NON HAZARDOUS

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⁼ Amount of cover (soil) in your or alternate dally cover in bags or tarp area

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

Corrective Action: R = Restoring cover material; G = Grading, M = Compacting; S = Seeding 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 of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation starting reasons for delay.

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