Bryan W. Shaw, Ph.D., P.E., Chairman
Toby Baker, Commissioner
Jon Niermann, Commissioner
Stephanie Bergeron Perdue, Interim Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 9, 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 (Fort Bend County), TX 77545-8214

TCEQ MSW Permit No.: 1505A Investigation No.: 1500391

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on July 2, 3, 6, 9, 10, 11, 12, 13, 16, and 27, 2018 requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Reyna L. Loosmore of this office conducted an investigation on July 12, 2018. 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 Ms. Loosmore at this office (713) 767-3706.

Sincerely,

Alma L. Jefferson, Team Leader

lma L. Jefferson

Waste Section

Houston Region Office

ALJ/RLL/rsv

MSW PA_1505A_CP_20180712_Investigation

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	# 1500001	In ald out Nameh one	
Investigation	# 1500391	Incident Numbers	0
		287872	287955
		287871	287891
		287919	287825
		287959	287869
		287884	287887
		287786	287832
		287920	287904
		287960	287916
		287863	287834
		287894	287787
		287925	287835
		287900	287954
		287827	287915
		287892	287866
		287788	287958
		287889	287913
		287917	287902
		287895	287914
		287829	287823
		287921	287867
		287890	287784
		287790	287893
		287885	287903
		287896	287923
		287858	287830
Investigator	REVNA LOOSMORE	Site Classification	TVDE 1

Investigator:

REYNA LOOSMORE

Site Classification TYPE 1

Conducted: 07/12/2018 -- 07/23/2018

NAIC Code: 562212 NAIC Code: 486210 SIC Code: 4922 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

7/12/2018 to 7/23/2018 Inv. # - 1500391

Page 2 of 5

Contact(s):

	contact(s).				
1	Role	Title	Name	Phone	
	PARTICIPATED IN	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
	REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
	REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office	(713) 676-7669
	PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MR CHANCE SEELY	Phone	(281) 835-6142
	PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MS AMY KUBINSKI	Phone	(281) 835-6142

Other Staff Member(s):

Role Name

QA Reviewer Supervisor BETHANY BATCHELOR

ALMA JEFFERSON

Associated Check List

Checklist Name

Unit Name

MSW COMPLAINT INVESTIGATION

1505A Complaint

Investigation Comments:

INTRODUCTION

On July 2, 3, 6, 9, 10, 11, 12, 13, 16 and 27, 2018, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 96 complaints alleging 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 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12, 2018.

On July 12, 2018, Ms. Reyna L. Loosmore, Environmental Investigator of the TCEQ Houston Region Office, conducted an odor survey and an unannounced on-site Odor Complaint Investigation at BRL and in the surrounding area.

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. By letter dated April 10, 2018, the TCEQ Enforcement Division approved BRL Odor Control Plan thus requiring BRL to implement all provisions of the plan in accordance with the approved schedule.

GENERAL FACILITY AND PROCESS INFORMATION

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

7/12/2018 to 7/23/2018 Inv. # - 1500391

Page 3 of 5.

polychlorinated biphenyls, or untreated medical waste.

The waste acceptance hours are Monday through Friday, 4:00 a.m. to 5:00 p.m., and Saturdays from 5:30 a.m. to 12:00 p.m. The surrounding land use includes industrial facilities and residential subdivisions.

Complainant Information:

See confidential files (TCEQ Incident Nos. 287784, 287786, 287787, 287788, 287790, 287823, 287825, 287827, 287829, 287830, 287832, 287834, 287835, 287858, 287863, 287866, 287867, 287869, 287871, 287872, 287884, 287885, 287887, 287889, 287889, 287891, 287892, 287893, 287894, 287895, 287896, 287900, 287902, 287903, 287904, 287913, 287914, 287915, 287916, 287917, 287919, 287920, 287921, 287923, 287925, 287954, 287955, 287958, 287959, 287960, 287961, 287962, 287964, 287965, 288017, 288018, 288022, 288038, 288039, 288040, 288041, 288042, 288043, 288044, 288046, 288048, 288049, 288072, 288073, 288074, 288075, 288076, 288077, 288190, 288191, 288192, 288193, 288194, 288195, 288196, 288198, 288200, 288201, 288202, 288203, 288204, 288242, 288243, 288244, 288246, 288605, 288606, 288607, 289306, 289308 and 289567. Some of the incidents for this complaint are included in Data Maintenance File Review No. 1504250.

Description of Alleged Effects:

Nausea, headaches, dizziness, and irritation of the eyes were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: July 12, 2018

Wind Direction: southwest (SW) to south (S)

Wind Speed: average 4 mph

Outdoor Temperature: 85.6 - 88.9 °F

Meteorological data taken from TCEQ's continuous air monitoring station Manvel Croix Park C84 weather station (Attachment 1).

Odor Survey (OS):

The investigator conducted OS No. 1 at 9:18 a.m., downwind of BRL at the 2400 block of Lost Bridge Lane in Pearland. Garbage odors were intermittently detected during six (6) of the 23 minutes spent at OS No. 1, averaging to a very light intensity.

OS No. 2, located at the intersection of Golden Creek Lane and Shallow Falls Lane in Pearland and downwind of the Sewer Lift Station, was conducted at 9:53 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

OS No. 3, located at the 14000 block of Almeda Road in Houston and crosswind of Lonestar Landfill, was conducted at 10:20 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

OS No. 4, located at the intersection of FM 521 and Southbelt Industrial Drive in Pearland and downwind of Akzo Nobel Surface Chemistry (Akzo), was conducted at 10:38 a.m. No odors were detected during the 15 minutes spent at OS No. 4.

OS No. 5, located at the intersection of Kirby Drive and N. Spectrum Boulevard in Pearland and downwind of Brenntag Southwest/Syntech Chemicals, was conducted at 11:02 a.m. Fishy odors were intermittently detected during four (4) of the 15 minutes spent at OS No. 5, averaging to a very light intensity.

OS No. 6, located at the intersection of Kirby Drive and Fruge Road in Pearland and crosswind of the Reflection Bay Wastewater Treatment Plant (WWTP), was conducted at 11:38 a.m. No odors were detected during the 15 minutes spent at OS No. 6.

7/12/2018 to 7/23/2018 Inv. # - 1500391

Page 4 of 5

An aerial view map of the OS location and the OS log are included in Attachment 1.

Summary of the on-site investigation:

Following the odor survey, the investigator arrived at BRL and met with Mr. Chance Seely, Environmental Specialist; Ms. Amy Kubinski, Environmental Specialist; and Mr. Burgess Stengl, Environmental Manager, to whom the purpose and scope of the investigation were explained.

Six inches of soil is applied at the end of each operating day to the Class 1 and MSW working faces. The facility representatives drove the investigator to the MSW and Class 1 working faces, by which piles of soil were observed. No erosion was observed on the slopes of the landfill during the investigation. The investigator obtained a copy of the MSW and Class 1 cover logs from July 1 to July 11, 2018 (Attachment 2). The cover logs indicated that soil is applied to the working faces as required.

Description of Odor:

Garbage and fishy odors 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 directions of BRL and Brenntag Southwest/Syntech Chemicals.

Odor Frequency, Intensity, Duration and Offensiveness (FIDO) Chart Evaluation:

According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive", the odor of landfill gas/leachate is characterized as "highly offensive", and fishy odor is characterized as "highly offensive". Landfill garbage and/or gas/leachate odors were previously detected coming from the direction of BRL on April 25, May 9, 15, 16, and 17 and June 28, 2018. Therefore, the frequency of odors documented by the investigator is a monthly occurrence.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on July 12, 2018. The complaints are closed.

No Violations Associated to this Investigation

7/12/2018 to 7/23/2018 Inv. # - 1500391

SignedEnvironmental Investigator	Date 8/9/18
Signed Alma L. Jefferson Supervisor	Date 08/09/2018
Attachments: (in order of final report subm	nittal)
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	see us of thrackments
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	# 1504250	Incident Numbers	
mvestigation	# 1504250	288017	0.05060
		,	287962
		288605	288077
		288048	288607
		288040	288192
		288204	288195
		288200	288073
		288194	288242
		288049	287964
		288044	288074
		288246	288201
		288041	288018
		288076	288038
		287965	288190
		288191	288243
		289567	288196
		288042	288046
		288202	288022
		287961	288193
		289306	288039
		288606	288075
		288203	288043
		288072	288244
		289308	288198
Investigator:	REYNA LOOSMORE	Site Classification	TYPE 1

Conducted: 07/12/2018 -- 07/23/2018 **NAIC Code:** 562212

> **NAIC Code:** 486210 **SIC Code:** 4922 **SIC Code:** 4953

SIC Code: 1521

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):

7/12/2018 to 7/23/2018 Inv. # - 1504250

	Title	Name	Phone
Other Staff Men	nber(s):		
Role	Name		
Supervisor	ALMA	JEFFERSON	
	Associ	ated Check List	
Checklist Name		<u>Unit Na</u>	me
Investigation Co	mments:		
Γhis Data Maintena	ance File Review was	created to associate addition	al incidents for Investigation No. 1500
	No Viol	lations Associated to thi	s Investigation
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Signed			Data 8/9/18
Signed 7	lyn 1		Dale 8/9/18
Signed 7	Environmental In	vesligator	Date 8/9/18
Signed 7	Environmental In	vestigator	Date <u>8/9//8</u>
Signed Signed	Environmental In	vestigator	Date 8/9/18 Date 08/09/2018
Signed	lma L. Supervis	vestigator Afferson f final report submit	Date 08/09/2018
Signed	lma L. Supervis	final report submit	Date 08/09/2018
Signed Attachme:Enforcem	lma L. Supervis	final report submit	Date <u>08/09/20</u> (8
Signed Attachme:Enforcem	Supervision supervision order of the second supervision supervisio	final report submit	Date 08/09/20(8 tal) Maps, Plans, Sketches
Attachme:EnforcemLetter to Investigation	Supervision supervision order of the second supervision supervisio	final report submit	Date 08/09/20(8 tal) Maps, Plans, SketchesPhotographs

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 12, 2018

List of Attachments

Attachment 1: Meteorological Information, Map of Odor Survey locations and Odor Logs

Attachment 2: July 2018 Cover Logs

ATTACHMENT 1



Data Reports

AutoGC

Water Data

Site Info

Manvel Croix Park C84 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Manvel Croix Park C84. Although this is the most current data, it is not considered official until it has been certified by the technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server from 1:15 p.m. to 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time. During Daylight Savings, this introduces another apparent one-hour time lag in the data.

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.

Find Site:		CAMS	AQS Descript	ion	
CAMS 84	Manvel Croix Park C84				Select a different site
Month:	Day: Year: Time F	ormat:			
July ▼	12 ▼ 2018 ▼ 12 Hour	(AM/PM) ▼	Generate Report	Plot Data	
⊌ Green un	derline for validated	data			

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Thursday**, **July 12**, **2018**. All times shown are in CST.

Parameter						Мс	rning]						Afternoo					
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	oon 1:00 2:00 3:00 4:00 5:00 6			6:00		
Nitric Oxide	-0.0	-0.0	<u>5.1</u>	3.0	1.7	0.6	3.4	1.6	0.5	0.2	-0.1	-0.0	-0.0 -0.1 0.0 0.0 0.1 -0.0			-0.0	0.1		
Nitrogen Dioxide	2.2	1.7	<u>4.9</u>	4.8	4.5	3.3	3.3	3.3	1.7	1.4	1.1	1.0	1.3	1.2	1.2	1.3	1.5	1.4	3.7
Oxides of Nitrogen	2.2	1.6	<u>9.9</u>	7.7	6.1	3.8	6.6	4.9	2.1	1.5	0.9	0.9	1.2	1.1	1.1	1.3	1.5	1.3	3.7
Ozone	4	3	1	o	0	1	2	9	14	18	19	20	23	25	28	28	21	17	16
Wind Speed	1.2	0.8	1.5	0.8	1.5	1.0	1.0	2.2	5.2	4.5	3.3	4.2	3.0	5.4	4.8	7.0	7.9	8.1	5.3
Resultant Wind Speed	1.0	0.6	1.5	0.5	1.1	0.5	0.6	1.7	4.9	3.8	2.4	3.0	1.9	4.9	4.0	6.6	7.7	7.9	5.2
Resultant Wind Direction	221	20	152	190	227	244	152	254	260	227	225	189	194	194 154 181 170 175 166 15			156		
Maximum Wind Gust	3.5	2.1	2.9	1.8	2.9	1.9	6.3	7.6	9.5	10.9	8.4	9.4	7.7	7.7 12.8 11.5 14.2 15.7 16.1 10.			10.6		
Std. Dev. Wind Direction	38	46	16	50	42	<u>54</u>	53	38	21	32	41	43	49	49 25 34 18 13 12 13			13		
Outdoor Temperature	77.7	77.2	76.3	75.8	75.9	75.7	77.1	81.4	83.8	85.6	86.7	88.9	89.6	89.6 90.6 92.1 89.2 87.5 86.8 85.			85.3		
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	:00 3:00 4:00 5:00 6:00			6:00
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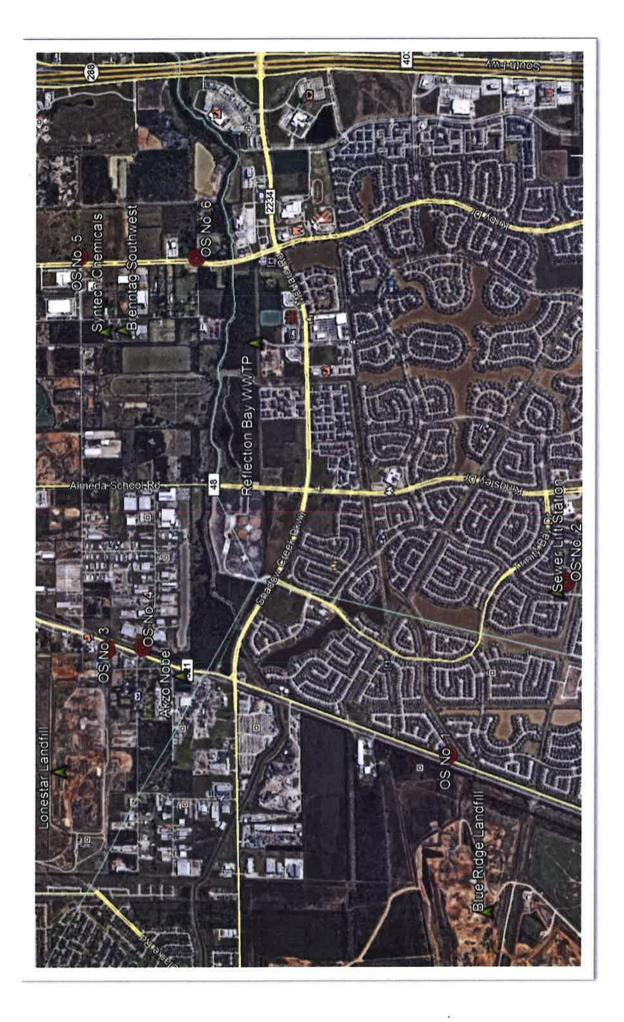
PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in local standard time unless otherwise indicated.

Following EPA reporting guidelines, negative values may be displayed in our hourly criteria air quality data, down to the negative of the EPA listed Method Detection Limit (MDL) for the particular instrument that made the measurements. The reported concentrations can be negative due to zero drift in the electronic instrument output, data logger channel, or calibration adjustments to the data. Prior to 1/1/2013, slightly negative values were automatically set to zero.

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Last Modified Tuesday, 30 Jan 2018



TCEQ Waste Section July 12, 2018 Odor Surveys

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Supplemental Investigator's Odor Intensity Time Log
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Minutes Odor Intensity VL, L, M, S, VS

1 min VL

2 No Cdor

3 No Cdor

4 No Cdor

5 No Cdor

6 No Cdor

7 NL

8 L

38

Minutes	Odor Intensity VL, L, M, S,VS
ı min	VL
2	No odor
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5	Nocor
6	No orbr
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13	VL .
14	No odar
15	No Odor
16	Noglor
17	Noodol
18	No odor
19	No odor
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21	No odor
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			4			
Meighter	Average In	tensity:				1 32 01
Weighted	VS VS	tensity: , 3	M	L	(VL)	No Odor
Weighted			М	2 x 2 = 4	(VL) 4x 1= 4	No Odor
			M	2 x 2 = 4		No Odor

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THE STREET	Nocyor	32		
	worder	33		
	Nachor	34		
	No odor	35		
	No odor	36		
	No chor	_37		
	No color	_38		
	Nocor	39		
0	Nocdor	40		
Ü	Noctor	41		
2.	NO GOV	42		
3	No odor	43		,
4	No Oror	44		
5	40 OCOR	45		
5		46		
7		47		
8		48	_	
9		49		
0		50		
11		51	_	1
2		52	_	
23		53		
24		54		*
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29		59		
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	eness: HighlyOffens	ive Unpleas	ant Not	Unpleasant
Veighted.	Average Intensity:	M L	VL	No Odor
ı Min	VS S	172.		
o Min				
1 Hour				

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Supplemental Investigator's Odor Intensity Time Log Investigator: Reuna Lacomore Location: 4000 hack of Almeria Road

Date of Investigation: 5/4 12 12018 Start Time: 102010 Odor Intensity VL, L, M, S, VS Minutes Odor Intensity VL, L, M, S, VS Minutes 31 min 2 COOY 1 min Odor Description: _____ Offensiveness: Highly____ Offensive ____ Unpleasant ____ Not Unpleasant ____ Weighted Average Intensity: No Odor L M VS 1 Min 10 Min 1 Hour

Investigator: Regna Lasmore Location: Intersity Time Log

Date of Investigation: July 12, 2018 Start Time: 1038 ND DY.

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Odor De	scription:					
Offensiv	eness: Hi	ghly	Offensive	Unpleasant	Not U	inpleasant
Weighted	Average In	tensity:	M	L	VL	No Odor
1 Min	75					
10 Min						
1 Hour						

Supplemental Investigator's Odor Intensity Time Log Investigator: Reyna Location: Near Intervention of Kirly Drive & Date of Investigation: July 12, 2018 Start Time: 1102 ND NEXE NUMBER Odor Intensity VL, L, M, S, VS Minutes Odor Intensity VL, L, M, S, VS Minutes 31 min ı min VL YL Odor Description: Fishy Offensiveness: Highly V Offensive _____ Unpleasant ____ Not Unpleasant ____ Weighted Average Intensity: 0 No Odor VL M VS S 2x2=4 TXI= 2 1 Min 10 Min

1 Hour

Supplemental Investigator's Odor Intensity Time Log Investigator: Payra January Location: Interction of Kiny Mice Start Time: 1138 ND Odor Intensity VL, L, M, S, VS Minutes Odor Intensity VL, L, M, S,VS Minutes 31 min ı min Odor Description: _____ Offensiveness: Highly_____ Offensive _____ Unpleasant ____ Not Unpleasant ____ Weighted Average Intensity: No Odor VL L M 1 Min 10 Min 1 Hour

*

ATTACHMENT 2

S TIMILININE S



COVER APPLICATION LOG

Month / Year: July 2018

Page 1 of 2

msw

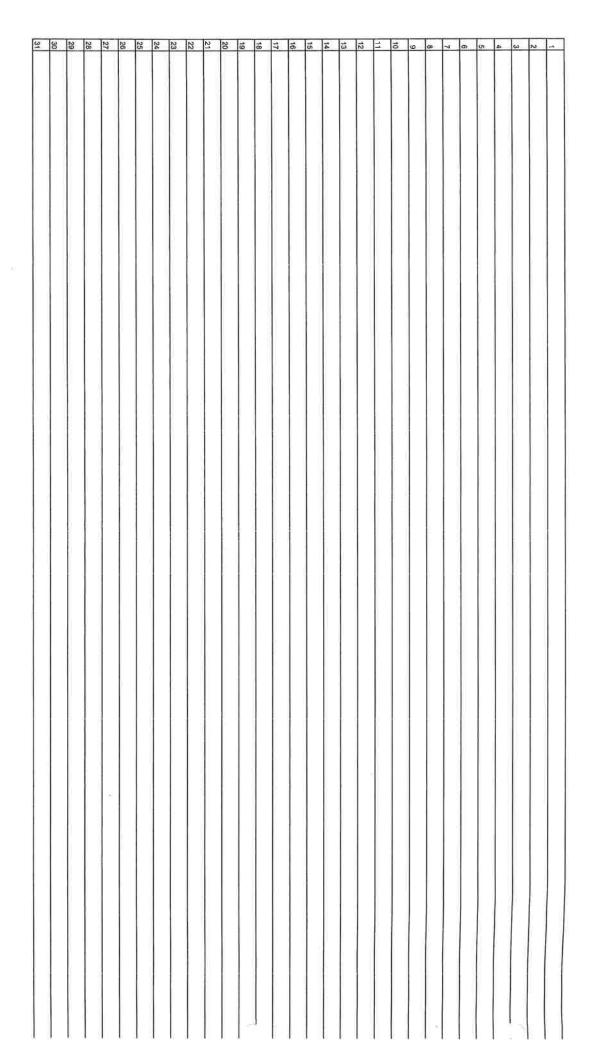
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T = Thickness in inches illumit of cover (soil) in yo or after nate daily cover in bags or tarp area

Methods: A = Tarp Machine, B = Soil by Heavy Equipment, S = Spray-On
Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event of 0.5" or more, Inspect all areas in accordance with Sile Operating Plan Section 4.18. Additional documentation area on back of form, Inspect all areas with 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 altripated size of the working face. A 50 yd² soil stockpile is required within 100ft 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

CLASS 1

Month / Year: John Jorn

Page 1 of 2

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T = Thickness in inches

