

File Copy

1505A

Investigation # 1341981

MSW PA_1505A_CO_20160620_Investigation Report
Texas Commission on Environmental Quality
Investigation Report

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Customer: Blue Ridge Landfill TX, LP
Customer Number: CN602820599

INFORMATION COPY
FOR R12 FILE ROOM

Regulated Entity Name: BLUE RIDGE LANDFILL

Regulated Entity Number: RN102610102

Investigation # 1341981

Incident Numbers

235175 235862

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 06/20/2016 -- 10/03/2016

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 MAIL CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
PARTICIPATED IN	LANDFILL OPERATIONS MANAGER	MR MATT MONTAGNA	Work (713) 676-7664
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
PARTICIPATED IN	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669

Other Staff Member(s):

Role	Name
QA Reviewer	CARLOS GRIGGS
Supervisor	ALMA JEFFERSON

Associated Check List

Checklist Name

MSW COMPLAINT INVESTIGATION

Unit Name

1505A

Investigation Comments:

INTRODUCTION

On June 7 and 16, 2016, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received two complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545.

On June 20, 2016, Mr. Richard Blackney, Environmental Investigator of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, conducted an unannounced Odor Complaint Investigation at BRL and the area surrounding it.

BACKGROUND

On December 18, 2015, during Investigation No. 1300533, an alleged violation for erosion of cover was noted at BRL and remains outstanding.

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 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 liquid wastes. Class 1 waste is buried in the designated Class 1 cell of the landfill. Liquid wastes are sent to a bulking facility/solidification basin prior to disposal in the landfill. Hazardous waste may not be accepted for disposal.

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. 235175 and 235862).

Description of Alleged Effects:

No health effects were alleged.

Meteorological data at the time of the odor survey:

Wind direction: variable, East to Southeast

Wind Speed: 2.3 to 2.6 mph

Temperature: 86.5 to 89.8°F

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

Odor Survey:

The investigator arrived at the first survey point located at the intersection of Chimney Rock Road and Quail Village Drive in Houston. Odor Survey (OS) No. 1 took place downwind of BRL and was conducted at 9:24 a.m. No landfill odors were detected during the 15 minutes spent at OS site No. 1.

The investigator went to OS site No. 2 located near the intersection of Glenn Lakes Lane and Community Park Drive in Missouri City. OS No. 2 took place crosswind of BRL and was conducted at 9:53 a.m. No landfill odors were detected during the 15 minutes spent at OS site No. 2.

The investigator then went to OS No. 3 located north of the intersection of Evergreen St. and California St. OS No. 3 took place crosswind of BRL and was conducted at 10:27 a.m. No landfill odors were detected during the 15 minutes spent at OS No. 3.

The investigator then went to OS No. 4 located at the 2500 block of Nail Road in Fresno. OS No. 4 took place crosswind of BRL and was conducted at 10:46 a.m. No landfills odors were detected during the 15 minutes spent at OS No. 4.

Aerial view maps of the OS locations and the OS logs are included in Attachment 2.

Summary of on-site investigation:

Following the odor survey, the investigator arrived at BRL, and met with Mr. Matt Montagna, Landfill Operations Manager, and Mr. Burgess Stengl, Environmental Manager, to whom the purpose and scope of the investigation were explained.

BRL receives Class I waste in its Class 1 disposal cell Monday through Friday, and receives MSW in the MSW cell Monday through Saturday. Six inches of soil is applied to the Class 1 cell and MSW cell at the end of each operating day. The investigator viewed the MSW and Class 1 working faces, by which piles of soil were observed. The investigator obtained copies of the cover logs for June 2016 (Attachment 3). The cover logs indicate that soil is applied to the working faces as required.

On the slopes of the landfill, the investigator observed that soil had been laid as part of BRL's effort to address all areas of erosion. New vegetation was observed to be growing on the soil, indicating that it had been seeded. However, at least one erosion gully greater than four inches deep was observed to be in need of repair at the time of the investigation.

BRL has a system of misters for the purpose of neutralizing odors. The investigator viewed the misting system in operation.

Description of Odor:

Odors typical of landfill garbage were not 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:

The alleged source of the odor is BRL.

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 detected previously during investigations conducted on April 6, 2016 (Investigation No. 1323599), April 11, 2016 (Investigation No. 1324578) and April 25, 2016 (Investigation No. 1329398), the frequency of odors documented by the Waste Section investigator is a "quarterly occurrence".

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.

ADDITIONAL INFORMATION

On June 17, 2016, the TCEQ Houston Region Office received a letter from Blue Ridge Landfill stating that an expansion of BRL's landfill gas (LFG) collection and control system had been completed. The expansion included re-drilling seven LFG extraction wells, four new LFG extraction wells, and other components. The letter is included in Attachment 4.

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 June 20, 2016, repair of many of the areas of erosion were observed, but some erosion gullies greater than four inches deep were still 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.

Investigation: 1323599

Comment Date: 06/02/2016

Compliance with this regulation was evaluated during the investigation conducted on April 6, 2016.

Investigation: 1324578

Comment Date: 07/15/2016

Compliance with this regulation was evaluated during the investigation conducted on April 11, 2016.

Investigation: 1329398

Comment Date: 07/28/2016

Compliance with this regulation was evaluated during the investigation on April 25, 2016.

Investigation: 1335255

Comment Date: 09/01/2016

Compliance with this regulation was evaluated during the investigation conducted on May 17, 2016.

Investigation: 1337197

Comment Date: 09/26/2016

Compliance with this regulation was evaluated during the investigation conducted on June 3, 2016.

Investigation: 1341981

Comment Date: 10/10/2016

Compliance with this regulation was evaluated during the investigation conducted on June 20, 2016.

Recommended Corrective Action: On June 20, 2016, repair of many of the areas of erosion were observed, but some erosion gullies greater than four inches deep were still 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 Blackby
Environmental Investigator

Date

10/12/2016

Signed

Alma L. Jefferson
Supervisor

Date

10/12/2016

Attachments: (in order of final report submittal)

___ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type): *additional compliance request*

___ Investigation Report

___ Sample Analysis Results

___ Manifests

___ Notice of Registration

☒ Maps, Plans, Sketches

___ Photographs

☒ Correspondence from the facility

☒ 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

October 12, 2016

CERTIFIED MAIL #7013 3020 0000 9763 2359
RETURN RECEIPT REQUESTED

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
P.O. Box 879
Fresno, Texas 77545

Re: Blue Ridge Landfill, 2200 FM 521 Rd., Fresno (Fort Bend County), Texas 77545
TCEQ Municipal Solid Waste Permit No.: 1505A

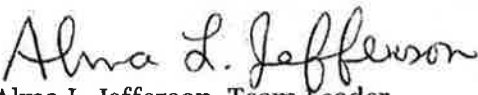
Dear Mr. Stengl:

On June 20, 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 and remains outstanding.

We will monitor your progress in implementing corrective action. Please be advised, though, that if we determine during follow-up monitoring that you are not working towards compliance, further enforcement action will be considered.

The TCEQ appreciates your assistance in this matter and anticipates that you will resolve the alleged violation as required in order to protect the State's environment. If you or members of your staff have any questions, please feel free to contact Mr. Blackney in the Houston Region Office at (713) 767-3718.

Sincerely,


Alma L. Jefferson, Team Leader
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 June 20, 2016

OUTSTANDING ALLEGED VIOLATION

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

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

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.

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



CERTIFIED MAIL RECEIPT CARD ("Green Card")

Division/Region: OCE-R12 Section: WasteRecord Series: MSWPrimary Identification Number (Acct/RN): 1505A

Secondary Identification Number (Permit): _____

Facility: Blue Ridge Landfill Date of Letter: 10 - 12 - 16Regarding: Other

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>1. Article Addressed to:</p> <p>MR. BURGESS STENGL ENVIRONMENTAL MANAGER BLUE RIDGE LANDFILL TX, LP P O BOX 879 FRESNO, TX 77545</p>		<p>A. Received by (Please Print Clearly) <u>Michael Mack</u> B. Date of Delivery <u>10/17/16</u></p> <p>C. Signature <u>[Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, explain below:</p>	
<p>2. Article <u>7013 3020 0000 9763 2359</u></p>		<p>3. Service type <u>REGION 12</u></p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>PS Form 3811, July 1999</p>		<p>102595-00-M-0982</p>	

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OFFICIAL USE	
Postage	\$ <u>1505A</u>
Certified Fee	<u>R Blackney</u>
Return Receipt Fee (Endorsement Required)	<u>10.12.16</u>
Restricted Delivery Fee (Endorsement Required)	<u>Other</u>
Total Pos	MR. BURGESS STENGL ENVIRONMENTAL MANAGER BLUE RIDGE LANDFILL TX, LP P O BOX 879 FRESNO, TX 77545
Sent To	
Street, Apt. or PO Box	
City, State	
PS Form 3800, August 2006	
See Reverse for Instructions	

ENTERED 11.18.16 PSV

Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on June 20, 2016

List of Attachments

Attachment 1	Central Registry Information for Blue Ridge Landfill
Attachment 2	Map of Odor Survey locations and Odor Logs
Attachment 3	June 2016 Cover logs
Attachment 4	Letter from Blue Ridge Landfill

ATTACHMENT 1

[Questions or Comments >>](#)[Customer Search](#)[RE Search](#)[ID Search](#)[Document Search](#)[Search Results](#)[TCEQ Home](#)[Query Home](#)

Central Registry Query - Regulated Entity Information

Regulated Entity Information

The RN you searched for has been changed to the following number:

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 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
PETROLEUM STORAGE TANK STAGE II			
STORMWATER	PERMIT	TXR05N415	CANCELLED
STORMWATER	PERMIT	TXR05S302	ACTIVE
STORMWATER	PERMIT	TXR15NZ96	CANCELLED
STORMWATER	PERMIT	TXR15QJ54	EXPIRED
STORMWATER	PERMIT	TXR15RD60	EXPIRED

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ATTACHMENT 2


**TEXAS COMMISSION
ON ENVIRONMENTAL QUALITY**

Air Quality Maps

Data Reports

AutoQC

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.

CAMS 84 Manvel Croix Park C84

Month: Day: Year: Time Format:

June 2016

☒ Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Monday, June 20, 2016**. All times shown are in CST.

Parameter Measured	Morning												Afternoon												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	
Nitric Oxide	0.2	0.6	-0.6	3.0	5.2	<u>9.4</u>	9.1	2.2	-0.9	-0.0	-0.6	-0.3	-0.0	-0.1	-0.5	-0.1	-0.0	-0.8	<u>-1.1</u>	-0.2	0.1	-0.2	0.0	-0.5	Nitric Oxide
Nitrogen Dioxide	4.0	4.2	3.7	6.7	6.7	<u>7.9</u>	6.8	4.1	0.6	0.2	<u>-0.6</u>	0.0	0.4	2.3	1.1	0.6	1.1	1.3	2.4	4.1	5.8	6.7	5.0	6.2	Nitrogen Dioxide
Oxides of Nitrogen	4.0	4.5	2.9	9.3	11.5	<u>16.7</u>	15.4	6.0	-0.3	0.2	<u>-1.2</u>	-0.3	0.4	2.0	0.6	0.5	1.0	0.4	1.2	3.7	5.6	6.2	4.8	5.4	Oxides of Nitrogen
Ozone	6	4	2	<u>0</u>	0	0	2	12	19	21	23	25	29	30	31	<u>36</u>	34	34	31	26	20	16	13	9	Ozone
Wind Speed	1.9	1.1	1.2	2.2	1.8	2.5	2.0	2.4	<u>3.3</u>	<u>3.4</u>	<u>3.9</u>	4.0	8.4	7.1	<u>9.1</u>	8.0	8.9	6.4	4.0	2.2	2.1	1.6	1.6	<u>0.8</u>	Wind Speed
Resultant Wind Speed	1.6	0.8	0.9	2.2	1.7	2.3	1.8	2.1	2.5	2.5	2.6	2.3	8.0	6.9	<u>8.7</u>	7.5	8.4	6.0	3.9	2.0	1.9	1.3	1.2	<u>0.5</u>	Resultant Wind Speed
Resultant Wind Direction	120	85	130	72	<u>42</u>	51	54	102	111	83	125	<u>156</u>	79	94	109	117	122	131	126	118	146	123	137	128	Resultant Wind Direction
Maximum Wind Gust	3.2	<u>2.0</u>	2.3	4.0	4.6	4.6	3.5	5.3	7.2	8.6	9.1	10.7	17.5	16.6	<u>21.9</u>	16.5	15.1	13.4	10.0	4.2	3.7	3.0	3.0	2.1	Maximum Wind Gust
Std. Dev. Wind Direction	29	38	35	<u>10</u>	22	23	21	26	40	41	47	<u>52</u>	18	13	18	19	19	21	14	23	24	37	39	47	Std. Dev. Wind Direction
Outdoor Temperature	77.5	77.5	<u>77.1</u>	77.2	77.3	77.5	79.1	82.6	85.0	86.5	88.5	<u>89.8</u>	88.8	86.9	86.0	88.2	87.9	86.9	84.3	83.0	81.6	80.6	79.8	78.7	Outdoor Temperature
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	Parameter Measured
	Morning												Afternoon												
xx. 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.																									

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 beginning 1/1/2013, 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.

Chimney Rock + Quail Village

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 6-20-16 Start Time: 9:24

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
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16	
17	
18	
19	
20	
21	
22	
23	
24	no odor
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	" "
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Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

Glenn Lakes + Community Park

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 6-20-16 Start Time: 9:53

Minutes	Odor Intensity VL, L, M, S, VS
1 min	no odor
2	" "
3	" "
4	" "
5	" "
6	" "
7	
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9	
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27	
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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	no odor
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						

California & Evergreen

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 6-20-16 Start Time: 10:27

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
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8	
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10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	no odor
28	1 1
29	1 1
30	1 1

Minutes	Odor Intensity VL, L, M, S, VS
31 min	no odor
32	1 1
33	1 1
34	1 1
35	1 1
36	1 1
37	1 1
38	1 1
39	1 1
40	1 1
41	1 1
42	
43	
44	
45	
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56	
57	
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59	
60	

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

2000 block of Nail

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 6-20-16 Start Time: 10:46

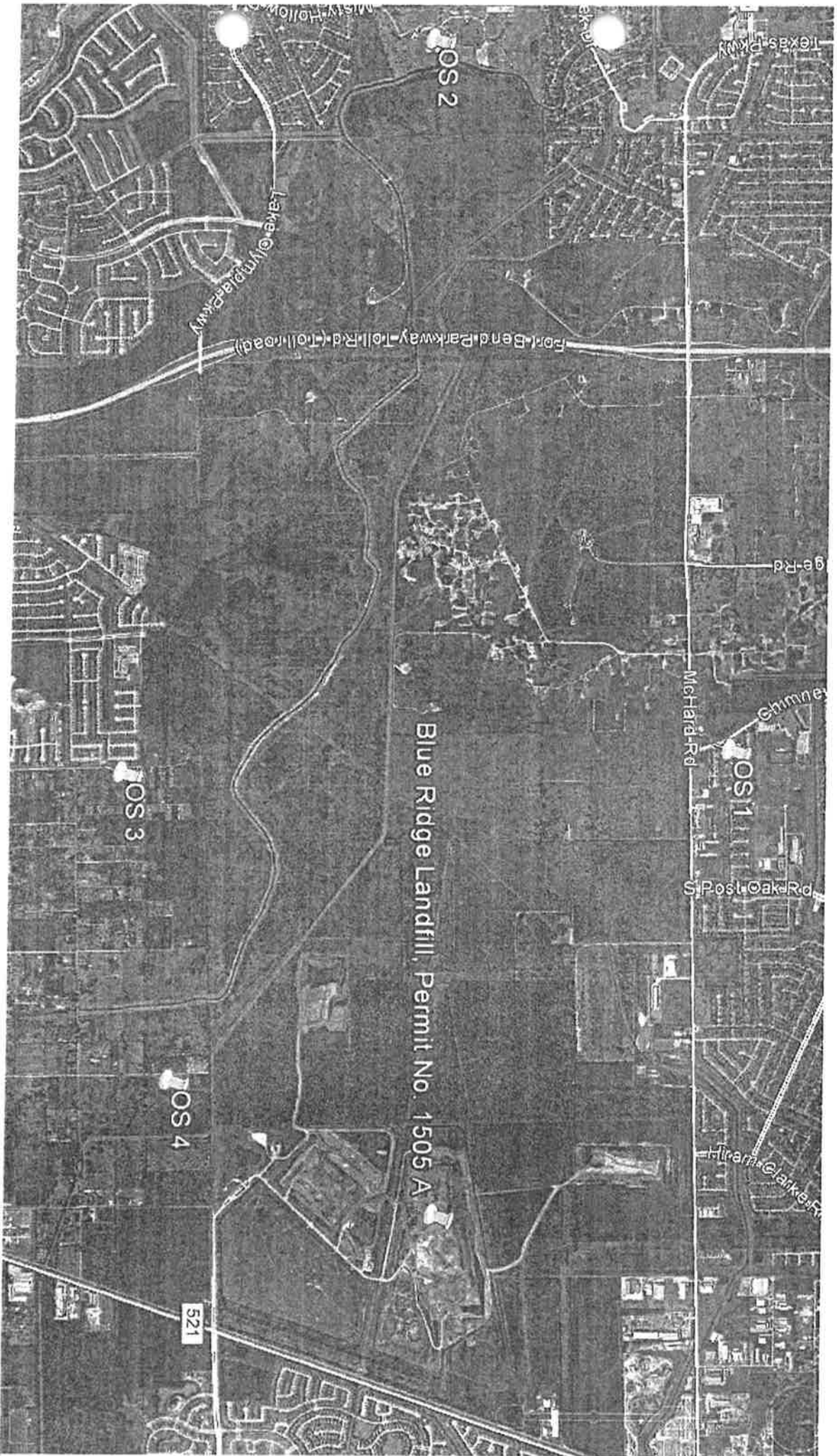
Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
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Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
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39	
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41	
42	
43	
44	
45	
46	no odor
47	11 11
48	11 11
49	11 11
50	11 11
51	11 11
52	11 11
53	11 11
54	11 11
55	11 11
56	11 11
57	11 11
58	11 11
59	11 11
60	11 11

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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



ATTACHMENT 3

Blue Ridge Landfill, MSW-1505A

MSW

Blue Ridge Landfill, MSW-1505A										Month / Year		JUNE 2016					
Daily Cover		Approved Alternate Daily Cover				Elevation		Inspection		Erosion		Corrective		Final Cover		Supervisor Signature	
6" Soil		Strip, On or Taps				MSL		Date of Daily Cover		Leachate Step Detected		Date Erosion Corrected		Certification Reason			
AMT	Grid Area	T	Method	AMT	Grid Area	T	Method		1/3/19	1/3/19	1/3/19	1/3/19	1/3/19	1/3/19	1/3/19	1/3/19	
1	4-2	6"	B	-	-	-	-	122-124	✓	0.5	✓						
2	4-2	6"	B	-	-	-	-	124-126	✓	0.5	✓						
3	5-1-2	6"	B	-	-	-	-	120-124	✓	1.75	✓						
4	5-1-2	6"	B	-	-	-	-	124-126	✓	1.95	✓						
5	5-1-2	6"	B	-	-	-	-	120-124	✓	1.50	✓						
6	5-1-2	6"	B	-	-	-	-	120-124	✓								
7	5-1-2	6"	B	-	-	-	-	120-124	✓								
8	5-1-2	6"	B	-	-	-	-	120-124	✓								
9	5-1-2	6"	B	-	-	-	-	120-124	✓								
10	5-1-2	6"	B	-	-	-	-	120-124	✓								
11	5-1-2	6"	B	-	-	-	-	124-126	✓								
12	5-1-2	6"	B	-	-	-	-	124-126	✓								
13	5-1-2	6"	B	-	-	-	-	124-126	✓								
14	5-1-2	6"	B	-	-	-	-	124-126	✓								
15	5-1-2	6"	B	-	-	-	-	124-126	✓								
16	5-1-2	6"	B	-	-	-	-	124-126	✓								
17	5-1-2	6"	B	-	-	-	-	124-126	✓								
18	5-1-2	6"	B	-	-	-	-	124-126	✓								
19	5-1-2	6"	B	-	-	-	-	124-126	✓								
20	5-1-2	6"	B	-	-	-	-	124-126	✓								
21	5-1-2	6"	B	-	-	-	-	124-126	✓								
22	5-1-2	6"	B	-	-	-	-	124-126	✓								
23	5-1-2	6"	B	-	-	-	-	124-126	✓								
24	5-1-2	6"	B	-	-	-	-	124-126	✓								
25	5-1-2	6"	B	-	-	-	-	124-126	✓								
26	5-1-2	6"	B	-	-	-	-	124-126	✓								
27	5-1-2	6"	B	-	-	-	-	124-126	✓								
28	5-1-2	6"	B	-	-	-	-	124-126	✓								
29	5-1-2	6"	B	-	-	-	-	124-126	✓								
30	5-1-2	6"	B	-	-	-	-	124-126	✓								

T = Thickness in inches

Methods: A = Tap 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 stating reasons for delay.

Corrective Action: R = Restoring cover material, G = Grading, M = Compacting, S = Seeding

SOP Section 7.14 requires a soil stockpile to be maintained within 1,000 ft of the working face. The amount of soil required is dependent upon the maximum allocated size of the working face. A 50 yd³ soil stockpile is required within 100 ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Signature certifies work accomplished as stated in the Cover Application Log.

JUNE 2016

14 Erosion detected on South Slope and North Slope @ X & PB, will begin adding dirt on 6.15.14

15 Working on Erosion reeds on South Slope

16 Connecting erosion along side ramp to working face

Blue Ridge Landfill, MSW-1505A

CLAS 1

Month / Year: JUNE 2010

Daily Cover															Approved Alternate Daily Cover															Elevation		Inspection		Erosion or		Date		Corrective		Soil		Rain		Intermediate Cover					Final Cover		Inspection		Erosion		Corrective		Final Cover		Supervisor Signature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
6" Soil															Spray-On or Tarps															MSL		Date of Daily Cover		Leachate Seep Detected		Erosion or Leachate Seep Corrected		Action		Stockpile Required (yd ³)		inches 24 Hr		12" Soil					Per Final Closure Plan		Date of Intermediate Cover		Leachate Seep Detected		Action		Certification Report Reference																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
AMT	Grid Area	T	Method	AMT	Grid Area	T	Method		Inspected	Yes	Corrected																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area

T = Thickness in inches

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 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 stating reasons for delay.

Corrective Action: R = Restoring cover material, G = Grading, M = Compacting, S = Seeding

SOE Section 7.74 requires a soil stockpile to be maintained within 1,000 ft of the working face. The amount of soil required is dependent upon the maximum allocated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Signature certifies work accomplished as stated in the Cover Application Log

[Handwritten signatures]

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ATTACHMENT 4



June 15, 2016
Project No. 0120-405-53-03-01

Chance Goodin
MC 124
Section Manager
Municipal Solid Waste Permits Section
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: 2016 Landfill Gas System Expansion - Construction Completion Notification
Blue Ridge Landfill TX, LP, MSW Permit No. 1505A
Fort Bend County, Texas


Dear Mr. Goodin:

The purpose of this letter, submitted on behalf of Blue Ridge Landfill TX, LP, is to notify the Texas Commission on Environmental Quality (TCEQ) that as part of ongoing operations at the site, the landfill gas (LFG) collection and control system (GCCS) was recently expanded. The GCCS expansion was completed in accordance with the site's approved Attachment 14 - Landfill Gas Management Plan of the Part III-Site Development Plan (SDP).

The primary purpose of the GCCS expansion was to increase the collection of LFG from the landfill in order to comply with New Source Performance Standards for MSW Landfills as required by the site's Title V Operating Permit. This GCCS expansion included re-drilling seven LFG extraction wells and the installation of four new LFG extraction wells, one condensate collection sump, LFG collection piping, and associated LFG system components as shown on attached Drawing 1. The GCCS expansion was completed between February 2016 and April 2016. The site's operating record has been updated to include the as-built drawings.

If you have any questions or comments regarding this submittal, please do not hesitate to contact us.

Sincerely,
Weaver Consultants Group, LLC

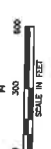
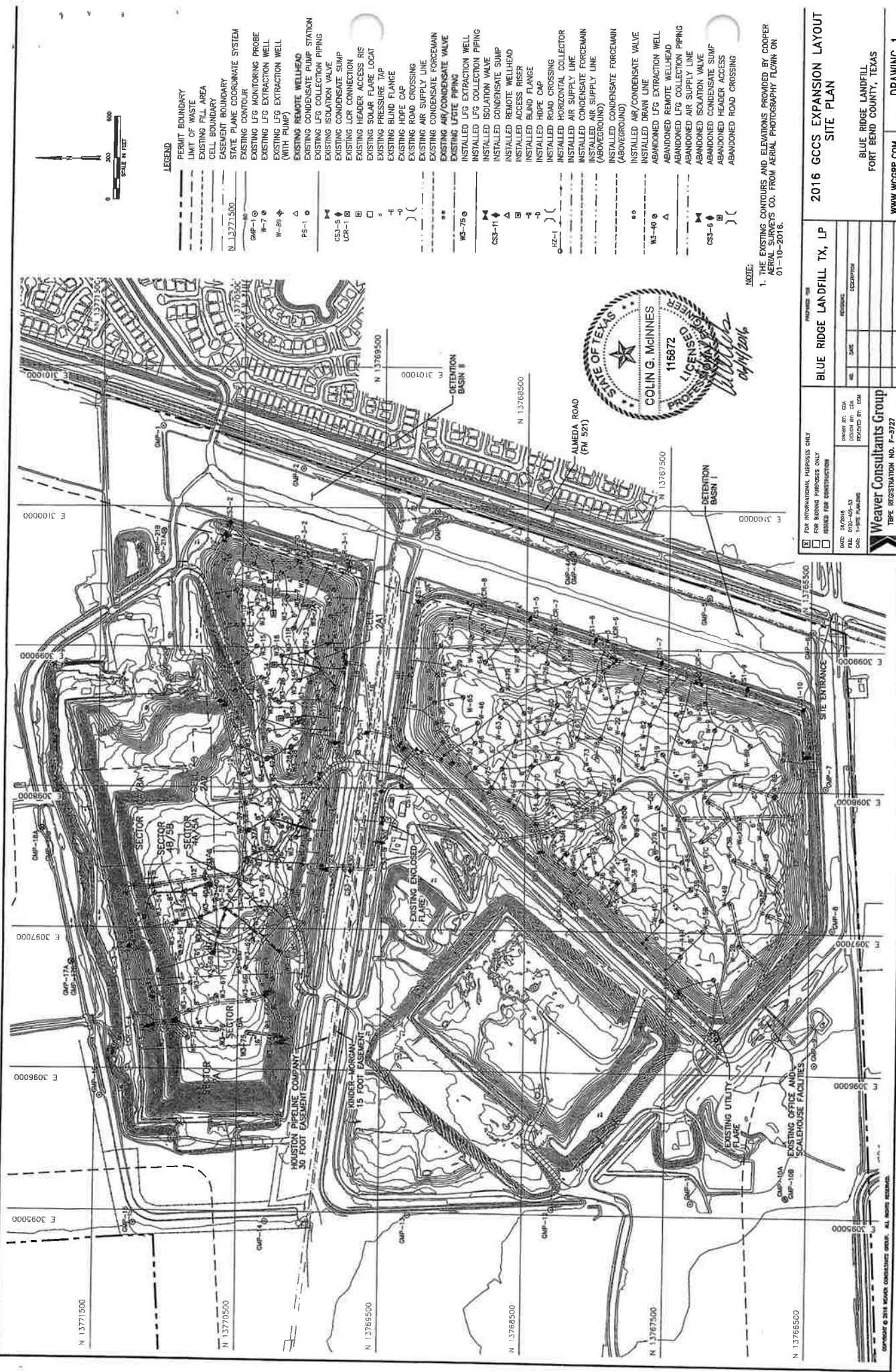

Colin G. McInnes, P.E.
Project Manager

Attachment: Drawing 1 – 2016 GCCS Expansion Layout

cc: TCEQ Region 12 Office
Matt Montagna, Blue Ridge Landfill TX, LP
Burgess Stengl, Blue Ridge Landfill TX, LP

RECEIVED
JUN 17 2016
REGION 12

ATTACHMENT
DRAWING 1 – GCCS EXPANSION LAYOUT



- LEGEND**
- PERMIT BOUNDARY
 - LIMIT OF WASTE
 - EXISTING FILL AREA
 - CELL BOUNDARY
 - EASEMENT BOUNDARY
 - STATE PLANE COORDINATE SYSTEM
 - EXISTING CONTOUR
 - EXISTING LFG MONITORING PROBE
 - EXISTING LFG EXTRACTION WELL
 - EXISTING LFG EXTRACTION WELL (WITH PUMP)
 - EXISTING REMOTE WELHEAD
 - EXISTING CONDENSATE PUMP STATION
 - EXISTING LFG COLLECTION PIPING
 - EXISTING ISOLATION VALVE
 - EXISTING CONDENSATE SUMP
 - EXISTING LOR CONNECTION
 - EXISTING SOLAR FLARE ACCESS RIS
 - EXISTING SOLAR FLARE LOCAT
 - EXISTING PRESSURE TAP
 - EXISTING BLIND FLANGE
 - EXISTING HOPE CAP
 - EXISTING ROAD CROSSING
 - EXISTING AIR SUPPLY LINE
 - EXISTING CONDENSATE FOREMAN
 - EXISTING AIR/CONDENSATE VALVE
 - EXISTING LFG EXTRACTION WELL
 - INSTALLED LFG EXTRACTION PIPING
 - INSTALLED LFG EXTRACTION VALVE
 - INSTALLED CONDENSATE SUMP
 - INSTALLED REMOTE WELHEAD
 - INSTALLED ACCESS RISER
 - INSTALLED BLIND FLANGE
 - INSTALLED HOPE CAP
 - INSTALLED ROAD CROSSING
 - INSTALLED HORIZONTAL COLLECTOR
 - INSTALLED AIR SUPPLY LINE
 - INSTALLED CONDENSATE FOREMAN
 - INSTALLED AIR SUPPLY LINE (ABOVEGROUND)
 - INSTALLED CONDENSATE FOREMAN (ABOVEGROUND)
 - INSTALLED AIR/CONDENSATE VALVE
 - INSTALLED DRAIN LINE
 - ABANDONED LFG EXTRACTION WELL
 - ABANDONED REMOTE WELHEAD
 - ABANDONED LFG COLLECTION PIPING
 - ABANDONED AIR SUPPLY LINE
 - ABANDONED ISOLATION VALVE
 - ABANDONED CONDENSATE SUMP
 - ABANDONED HEADER ACCESS
 - ABANDONED ROAD CROSSING



NOTE:
 1. THE EXISTING CONTOURS AND ELEVATIONS PROVIDED BY COOPER ENGINEERING SERVICES CO. FROM AERIAL PHOTOGRAPHY FLOWN ON 01-10-2016.

BLUE RIDGE LANDFILL TX, LP 2016 GCCS EXPANSION LAYOUT SITE PLAN		WWW.WCGRP.COM DRAWING 1
WEAVER CONSULTANTS GROUP TYPE REGISTRATION NO. F-3727		BLUE RIDGE LANDFILL FORT BEND COUNTY, TEXAS
FOR INFORMATIONAL PURPOSES ONLY FOR BIDDING PURPOSES ONLY BASED FOR CONSTRUCTION	DRAWN BY: CSA CHECKED BY: CSA REVISION BY: CSA DATE: 04/11/2016 FILE: 0102-400-53 CDR: 1-FILE NUMBER	SHEET NO. TOTAL SHEETS

