

File Copy

1505 A

Investigation # 1329398

MSW PA_1505A_CO_20160425_Investigation Report
Texas Commission on Environmental Quality
Investigation Report

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

Regulated Entity Name: BLUE RIDGE LANDFILL

Regulated Entity Number: RN102610102

Investigation # 1329398

Incident Numbers

| | |
|--------|--------|
| 232312 | 232103 |
| 232271 | 232302 |
| 231476 | 232257 |
| 232080 | 232308 |
| 232069 | 232250 |
| 232098 | 232303 |
| 232099 | 232266 |
| 232248 | 232073 |
| 232260 | 232100 |
| 232304 | 232311 |
| 232096 | 232077 |
| 232064 | 232253 |

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 04/25/2016 -- 07/10/2016

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): MSWC MPL - Investigation of MSW
complaint

Principal(s):

| Role | Name |
|-------------|---------------------------|
| RESPONDENT | BLUE RIDGE LANDFILL TX LP |

Contact(s):

| Role | Title | Name | Phone |
|--------------------------------|-----------------------------------|---------------------|-----------------------|
| REGULATED ENTITY CONTACT | ENVIRONMENTAL MANAGER | MR BURGESS STENGL | Office (713) 676-7669 |
| PARTICIPATED IN | ENVIRONMENTAL MANAGER | MR BURGESS STENGL | Office (713) 676-7669 |
| PARTICIPATED IN | LANDFILL OPERATIONS MANAGER | MR MATT MONTAGNA | Work (713) 676-7664 |

Other Staff Member(s):

| Role | Name |
|-------------|----------------|
| Supervisor | ALMA JEFFERSON |
| QA Reviewer | CARLOS GRIGGS |

Associated Check List

| <u>Checklist Name</u> | <u>Unit Name</u> |
|------------------------------|-------------------------|
| MSW COMPLAINT INVESTIGATION | 1505A |

Investigation Comments:

INTRODUCTION

On April 14, 22 and 25, 2016, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 23 complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521, Fresno (Fort Bend County), Texas 77545. The odors were alleged to have occurred on April 13, 21, 22 and 23, 2016. An additional complaint received on April 22, 2016 also stated that activity with heavy machinery was occurring at BRL.

On April 25, 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.

Heavy equipment is required to be used at BRL, including compactors, dozers, and excavators.

Complainant Information:

See confidential files (TCEQ Incident Nos. 231476, 232064, 232069, 232073, 232077, 232080, 232096, 232098, 232099, 232100, 232103, 232248, 232250, 232253, 232257, 232260, 232266, 232271, 232302, 232303, 232304, 232308, 232311 and 232312.).

Description of Alleged Effects:

Complainants described nausea and burning of the eyes.

Meteorological data at the time of the odor survey:

Wind direction: S

Wind Speed: 8.1 mph

Temperature: 79.9°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 16600 block of Sidonie Drive in Houston. Odor Survey (OS) No. 1 took place downwind of BRL and was conducted at 9:37 a.m. Odors typical of landfill garbage were detected intermittently during the first 16 minutes of the 31 minutes spent at OS No. 1, averaging to very light.

The investigator went to OS No. 2 located at the 15000 block of West Drive in Houston. OS No. 2 took place downwind of BRL and was conducted at 10:11 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

The investigator then went to OS No. 3 located at the 2500 block of Nail Road in Fresno. OS No. 3 took place upwind of BRL and was conducted at 10:36 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

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

On the western side of the landfill, the investigator observed that soil had been laid and compacted as part of BRL's effort to address all areas of erosion. 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. A photograph taken by the investigator is included in Attachment 4.

BRL has a system of misters for the purpose of neutralizing odors, which has been extended by hundreds of feet on the eastern side of the landfill. The investigator viewed the new extension of the misting system in operation.

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:

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 today and previously during investigations conducted on April 6, 2016 (No. 1323599) and April 11, 2016 (No. 1324578), the frequency of odors documented by the Waste Section investigator is a "weekly 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 April 25, 2016, Mr. Stengl submitted a request for an extension of the five days allowed to repair erosion after it is detected. The request was submitted because of rain events on April 17, 18, and 24, 2016.

On April 29, 2016, the TCEQ Houston Region Office sent a response to Mr. Stengl that stated additional time was allowed to make the repairs. The April 25 and 29, 2016 correspondences are included in Attachment 5.

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 April 25, 2016, the facility representative submitted a request for an extension of the five days allowed to repair erosion of cover after it is detected. The request was submitted because of rain events on April 17, 18, and 24, 2016.

On April 29, 2016, the TCEQ Houston Region Office sent a response to the request that allowed for additional time to make the repairs. However, the alleged violation will not be considered resolved until the repairs have been completed.

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.

BLUE RIDGE LANDFILL - FRESNO

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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.

Recommended Corrective Action: On April 25, 2016, the facility representative submitted a request for an extension of the five days allowed to repair erosion of cover after it is detected. The request was submitted because of rain events on April 17, 18, and 24, 2016.

On April 29, 2016, the TCEQ Houston Region Office sent a response to the request that allowed for additional time to make the repairs. However, the alleged violation will not be considered resolved until the repairs have been completed.

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.

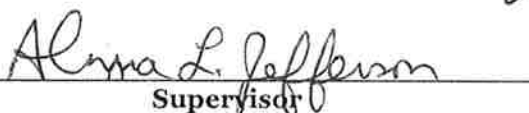
Signed


Environmental Investigator

Date

08/31/2016

Signed


Supervisor

Date

08/31/2016

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

August 31, 2016

CERTIFIED MAIL # 7013 3020 0000 9763 2175
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 April 25, 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 have received your April 25, 2016 letter requesting additional time to achieve compliance. We will monitor your progress in implementing the 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,

A handwritten signature in cursive script that reads "Alma L. Jefferson".

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

ALJ/RLB/rsv

Enclosure: Summary of Investigation Findings

SUMMARY OF INVESTIGATION FINDINGS
Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on April 25, 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.

Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on April 25, 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 | April 2016 Cover logs |
| Attachment 4 | Photograph taken on April 25, 2016 by Mr. Blackney |
| Attachment 5 | April 25 and 29, 2016 correspondences |

ATTACHMENT 1

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

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN102610102**Name:** BLUE RIDGE LANDFILL**Primary Business:** MUNICIPAL SOLID WASTE LANDFILL**Street Address:** 2200 FM 521 RD, FRESNO TX 77545 8214**County:** FORT BEND**Nearest City:** FRESNO**State:** TX**Near ZIP Code:** 77545**Physical Location:** LOCATED ON 2200 FM 521

Affiliated Customers - Current

Your Search Returned **5** Current Affiliation Records (View Affiliation History)**1-5 of 5 Records**

| CN Number | Customer Name | Customer Role | Details |
|-------------|----------------------------------------|----------------|---------|
| CN600343826 | BFI WASTE SYSTEMS OF NORTH AMERICA INC | OWNER OPERATOR | ↔ |
| CN601527963 | BFI WASTE SERVICES OF TEXAS LP | OWNER | ↔ |
| CN601721657 | LONGHORN EXCAVATORS INC | OPERATOR | ↔ |
| CN602820599 | BLUE RIDGE LANDFILL TX LP | OWNER OPERATOR | ↔ |
| CN603713595 | GRISHAM & JHA GROUP LLC | OPERATOR | ↔ |

Industry Type Codes

| Code | Classification | Name |
|--------|----------------|------------------------------------------|
| 562212 | NAICS | Solid Waste Landfill |
| 1521 | SIC | General Contractors-Single-Family Houses |
| 1629 | SIC | Heavy Construction |
| 1794 | SIC | Excavation Work |
| 4953 | SIC | Refuse Systems |

Permits, Registrations, or Other Authorizations

There are a total of **21** programs and IDs for this regulated entity. Click on a column name to change the sort order.**1-21 of 21 Records**

| Program ▲ | ID Type | ID Number | ID Status |
|-------------------------------------|----------------------------------|------------|-----------|
| AIR EMISSIONS INVENTORY | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR NEW SOURCE PERMITS | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR NEW SOURCE PERMITS | AFS NUM | 4815700111 | ACTIVE |
| AIR NEW SOURCE PERMITS | REGISTRATION | 32691 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 51882 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 55939 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 77271 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 77703 | CANCELLED |
| AIR NEW SOURCE PERMITS | REGISTRATION | 81004 | ACTIVE |
| AIR OPERATING PERMITS | ACCOUNT NUMBER | FG0536E | ACTIVE |
| AIR OPERATING PERMITS | PERMIT | 1472 | ACTIVE |
| INDUSTRIAL AND HAZARDOUS WASTE | SOLID WASTE REGISTRATION # (SWR) | 89429 | ACTIVE |
| MUNICIPAL SOLID WASTE DISPOSAL | PERMIT | 1505 | INACTIVE |
| MUNICIPAL SOLID WASTE DISPOSAL | PERMIT | 1505A | ACTIVE |
| PETROLEUM STORAGE TANK REGISTRATION | REGISTRATION | 64950 | ACTIVE |

ATTACHMENT 2


**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 ▼ Select a different site

Month: Day: Year: Time Format:

April ▼ 25 ▼ 2016 ▼ 12 Hour (AM/PM) ▼ Generate Report Plot Data

☒ 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, April 25, 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 | -0.8 | -0.6 | 0.0 | -0.3 | 0.3 | 1.7 | 0.7 | 0.2 | -0.1 | -0.1 | -0.3 | -0.5 | -0.2 | -0.5 | -0.2 | -0.3 | -0.2 | -0.0 | -0.1 | -0.2 | -0.6 | -0.7 | 0.1 | Nitric Oxide | |
| Nitrogen Dioxide | -0.1 | -1.1 | -1.0 | -0.1 | 4.3 | 7.6 | 9.2 | 3.5 | 1.0 | 0.5 | -0.8 | -1.2 | -1.3 | -0.4 | -0.3 | 0.1 | -0.1 | -0.1 | 0.1 | 0.1 | 0.3 | -0.4 | -0.6 | -0.5 | Nitrogen Dioxide | |
| Oxides of Nitrogen | -0.3 | -2.0 | -1.6 | -0.1 | 3.9 | 7.8 | 10.7 | 4.2 | 1.2 | 0.3 | -0.9 | -1.5 | -1.8 | -0.7 | -0.9 | -0.1 | -0.4 | -0.4 | -0.0 | 0.1 | 0.0 | -1.1 | -1.3 | -0.4 | Oxides of Nitrogen | |
| Ozone | 26 | 26 | 29 | 23 | 17 | 14 | 12 | 23 | 27 | 28 | 28 | 27 | 30 | 29 | 30 | 31 | 27 | 23 | 21 | 22 | 21 | 21 | 21 | 22 | Ozone | |
| Wind Speed | 4.9 | 5.2 | 5.3 | 3.6 | 4.8 | 4.4 | 4.0 | 7.3 | 8.3 | 10.0 | 8.8 | 9.3 | 9.8 | 11.0 | 12.1 | 12.7 | 12.4 | 12.4 | 10.7 | 9.1 | 10.0 | 10.8 | 11.5 | 10.2 | Wind Speed | |
| Resultant Wind Speed | 4.9 | 5.1 | 5.2 | 3.5 | 4.7 | 4.3 | 3.9 | 7.2 | 8.1 | 9.7 | 8.1 | 8.8 | 9.5 | 10.5 | 11.7 | 12.2 | 12.0 | 11.9 | 10.5 | 8.9 | 9.8 | 10.6 | 11.3 | 10.0 | Resultant Wind Speed | |
| Resultant Wind Direction | 150 | 152 | 151 | 149 | 150 | 134 | 135 | 151 | 164 | 174 | 181 | 188 | 182 | 178 | 167 | 155 | 158 | 147 | 149 | 146 | 132 | 147 | 150 | 147 | Resultant Wind Direction | |
| Maximum Wind Gust | 11.6 | 8.7 | 8.9 | 5.5 | 9.3 | 7.5 | 9.1 | 11.9 | 16.4 | 16.6 | 18.4 | 17.7 | 15.6 | 19.1 | 20.4 | 20.4 | 19.8 | 21.6 | 19.5 | 15.7 | 17.8 | 18.1 | 18.5 | 17.4 | Maximum Wind Gust | |
| Std. Dev. Wind Direction | 10 | 10 | 11 | 9 | 10 | 13 | 13 | 12 | 14 | 14 | 23 | 18 | 15 | 16 | 14 | 15 | 13 | 16 | 11 | 12 | 12 | 13 | 11 | 11 | Std. Dev. Wind Direction | |
| Outdoor Temperature | 68.8 | 69.6 | 69.4 | 69.2 | 70.0 | 69.9 | 70.4 | 73.3 | 75.4 | 78.1 | 79.9 | 81.7 | 82.8 | 83.1 | 83.7 | 83.3 | 81.5 | 79.8 | 76.1 | 74.7 | 73.9 | 73.9 | 73.9 | 73.7 | 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 | | | | | | | | | | | | | |
| x.xx Indicates the data has been validated. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum values for each parameter are bold within the table. Minimum values are bold italic . | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * - 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.

OS #1

16600 block of Sidonie

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4-25-16 Start Time: 9:37

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min | no odor |
| 2 | no odor |
| 3 | no odor |
| 4 | no odor |
| 5 | no odor |
| 6 | no odor |
| 7 | no odor |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |

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

Offensiveness: Highly _____ Offensive X Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

OS 02

15000 block West Dr.

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4-25-16 Start Time: 10:11

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | no odor |
| 12 | " " |
| 13 | " " |
| 14 | " " |
| 15 | " " |
| 16 | " " |
| 17 | " " |
| 18 | " " |
| 19 | " " |
| 20 | " " |
| 21 | " " |
| 22 | " " |
| 23 | " " |
| 24 | " " |
| 25 | " " |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 31 min | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |
| 41 | |
| 42 | |
| 43 | |
| 44 | |
| 45 | |
| 46 | |
| 47 | |
| 48 | |
| 49 | |
| 50 | |
| 51 | |
| 52 | |
| 53 | |
| 54 | |
| 55 | |
| 56 | |
| 57 | |
| 58 | |
| 59 | |
| 60 | |

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

OS # 3

Naill Rd.

Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 4-25-16 Start Time: 10:36

| Minutes | Odor Intensity VL, L, M, S, VS |
|---------|--------------------------------|
| 1 min | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |

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

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

S Post Oak Rd

Hiram Clarke Rd

OS 1

OS 2

Blue Ridge Landfill, Permit No. 1505 A

521

OS 3

ATTACHMENT 3



Blue Ridge Landfill, MSW-1505A

CLASS 1

COVER APPLICATION LOG CLASS I NON HAZARDOUS

| Daily Cover | | | | Approved Alternate Daily Cover | | | | Elevation MSL | Inspection Date of Daily Cover ⁴ | Erosion or Leachate Seep Detected | Date Erosion or Leachate Seep Corrected ⁵ | Corrective Action ⁶ | Soil Stockpile Required ⁷ (yd ³) | Rain (inches) | Rain (inches) ≥ 0.5" ⁴⁴ | Intermediate Cover | | | | Final C ¹ Per Final Clo |
|------------------|-----------|----------------|---------------------|--------------------------------|-----------|----------------|---------------------|------------------|---------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------|------------------|------------------------------------------|--------------------|-----------|----------------|---------------------|---------------------------------------|
| AMT ¹ | Grid Area | T ² | Method ³ | AMT ¹ | Grid Area | T ² | Method ³ | | | | | | | | | AMT ¹ | Grid Area | T ² | Method ³ | |
| 6" Soil | | | | | | | | | | | | | | | | | | | 12" Soil | |
| 1 | 750 | Q-25 | 6" | B | - | - | - | 46 | ✓ | ✓=Yes | | | | ✓=Yes | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | 500 | Q-25 | 6" | B | - | - | - | 46 | ✓ | | | | | | | | | | | |
| 5 | 500 | Q-25 | 6" | B | - | - | - | 46 | ✓ | | | | | | | | | | | |
| 6 | 750 | Q-25 | 6" | B | - | - | - | 47 | ✓ | | | | | | | | | | | |
| 7 | 900 | Q-25 | 6" | B | - | - | - | 47 | ✓ | | | | | | | | | | | |
| 8 | 800 | Q-25 | 6" | B | - | - | - | 47 | ✓ | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | 800 | Q-25 | 6" | B | - | - | - | 47 | ✓ | | | | | | | | | | | |
| 12 | 800 | Q-25 | 6" | B | - | - | - | 47 | ✓ | | | | | | | | | | | |
| 13 | 800 | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 14 | 800 | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 15 | 1000 | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | stock | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 19 | stock | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 20 | stock | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 21 | stock | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 22 | stock | Q-25 | 6" | B | - | - | - | 48 | ✓ | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |

Per Final Clo

APRIL 2016

[illegible]



COVER APPLICATION LOG

| Daily Cover | | | | Approved Alternate Daily Cover | | | | Elevation | Inspection Date of Daily Cover ⁴ | Erosion or Leachate Seep Detected | Date Erosion or Leachate Seep Corrected ⁵ | Corrective Action ⁶ | Soil Stockpile Required ⁷ (yd ³) | Rain (inches) ≥ 0.5" ⁸ | Rain (inches) | Intermediate Cover | | | | Final C | | |
|------------------|-----------|----------------|---------------------|--------------------------------|-----------|----------------|---------------------|-----------|---------------------------------------------|-----------------------------------|------------------------------------------------------|--------------------------------|---------------------------------------------------------|-----------------------------------|---------------|--------------------|-----------|----------------|---------------------|------------------|-----------|-------|
| 6" Soil | | | | Spray-On or Tarps | | | | MSL | | | | | | | | 12" Soil | | | | Per Final C | | |
| AMT ¹ | Grid Area | T ² | Method ³ | AMT ¹ | Grid Area | T ² | Method ³ | | √=Inspected | √=Yes | | | | | | AMT ¹ | Grid Area | T ² | Method ³ | AMT ¹ | Grid Area | |
| 1 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 96-100 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 2 | 750 | 44-44 | B | 1 | 750 | 44-44 | B | 100-104 | ✓ | | | | | | | 1000 | 44-44 | 12" | B | | 1000 | 44-44 |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 104-108 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 5 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 108-112 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 6 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 112-116 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 7 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 116-120 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 8 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 120-124 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 9 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 124-128 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 114-118 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 12 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 118-122 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 13 | 900 | 44-44 | B | 1 | 900 | 44-44 | B | 112-116 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 14 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 121-125 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 15 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 118-122 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 16 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 122-126 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 17 | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 122-126 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 19 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 118-122 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 20 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 122-126 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 21 | 750 | 44-44 | B | 1 | 750 | 44-44 | B | 112-116 | ✓ | | | | | | | 1000 | 44-44 | 12" | B | | 1000 | 44-44 |
| 22 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 114-118 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 23 | 750 | 44-44 | B | 1 | 750 | 44-44 | B | 122-126 | ✓ | | | | | | | 1000 | 44-44 | 12" | B | | 1000 | 44-44 |
| 24 | 1100 | 44-44 | B | 1 | 1100 | 44-44 | B | 124-128 | ✓ | | | | | | | 1500 | 44-44 | 12" | B | | 1500 | 44-44 |
| 25 | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | |

Month / Year: April 2016

[illegible]

at 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.
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.

is dependent upon the maximum anticipated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Erosion on North side of pond during Erosion reel

| | |
|----|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
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| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |

Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate or final cover must be corrected within 5 days of detection un
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 un

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

SOP Section 7.7.4 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 anticipated size
Signature certifies work accomplished as stated in the Cover Application Log.

11 am 5/20 4:00 PM 5/20 1:00 PM 5/20 1:00 PM

ATTACHMENT 4

**Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on April 25, 2016
Photograph by Richard Blackney**



Photograph 1 of 1: Erosion gullies that appeared to be greater than four inches deep.

ATTACHMENT 5

Richard Blackney

From: Jason Ybarra
Sent: Friday, April 29, 2016 5:53 PM
To: Stengl, Burgess
Cc: Montagna, Matthew; Alma Jefferson; Richard Blackney
Subject: RE: MSW 1505A Erosion Repair Extension Request
Attachments: 4705_001.pdf

Burgess,

Attached is our response to your request.

Regards,

Jason

From: Stengl, Burgess [mailto: [REDACTED]]
Sent: Monday, April 25, 2016 3:57 PM
To: Jason Ybarra <Jason.Ybarra@tceq.texas.gov>
Cc: Montagna, Matthew < [REDACTED]>
Subject: MSW 1505A Erosion Repair Extension Request

Jason, attached is a request per the Blue Ridge SOP for an extension on repairing erosion. I will send the hard copy via overnight delivery.

Thank you,

Burgess Stengl
Environmental Manager

5757A Oates Road, Houston, TX 77078
e [REDACTED]
o 713-676-7669 c 713-851-0506
f 713-676-7882 w www.RepublicServices.com



We'll handle it from here.™

[REDACTED]



April 25, 2016

Mr. Jason Ybarra
Texas Commission on Environmental Quality (TCEQ)
5425 Polk Avenue, Suite H
Houston, Texas 77023

**Re: Request for Additional Time to Repair Erosion
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, TX 77545
MSW Permit No: 1505A**

Dear Mr. Ybarra,

In accordance with Section 4.18 of the approved Site Operating Plan (SOP), Blue Ridge Landfill is requesting additional time to repair erosion caused by rain on April 17 and 18, 2016. During that period of time, 6.5 inches of rain fell followed by a total of over 2.0 inches during the following three days. The situation was exacerbated by a rain event of 1.65 inches on April 24, 2016. The SOP requires erosion to be repaired within five days of detection, however, the repairs cannot be made within this timeframe due to the wet soil on the slopes. Safety and environmental compliance are at the forefront of the Blue Ridge Landfill, therefore, the repairs will be made as soon as possible.

If you have any questions regarding this request, please feel free to contact me at 713-676-7669.

Sincerely,

A handwritten signature in cursive script that reads "Burgess Stengl".

Burgess Stengl
Environmental Manager

Cc: Matt Montagna, Blue Ridge Landfill

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

April 29, 2016

Mr. Burgess Stengl, Environmental Manager
Blue Ridge Landfill TX, LP
2200 FM 521
Fresno, Texas 77545

Re: Request for Additional Time to Repair Erosion at:
Blue Ridge Landfill, 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545
TCEQ MSW Permit No.: 1505A

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has received your April 25, 2016 letter requesting additional time to repair erosion caused by rain on April 17 and 18, 2016 at the Blue Ridge Landfill.

In accordance with Title 30 Texas Administrative Code §330.165(g), erosion of cover must be repaired within five days of detection 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 TCEQ Houston Region Office's evaluation indicates the information presented is sufficient to allow additional time for repair. Please submit to this office within 30 days of repair the required documentation demonstrating that compliance has been achieved.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding this matter, please feel free to contact me in the Houston Region Office at (713) 767-3615.

Sincerely,

A handwritten signature in black ink, reading "Jason T. Ybarra", is positioned above the typed name.

Jason T. Ybarra
Manager, Waste Section
Houston Region Office

JTY/ALJ/rsv

cc: Chance Goodin, Manager, TCEQ MSW Permits, MC-124
Gulay Aki, P.E., Team Leader, MSW Permits, MC-124