

File Copy

1505A

Investigation # 1295237



MSW PA\_1505A\_CO\_20151030\_Investigation Report  
Texas Commission on Environmental Quality  
Investigation Report

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 #** 1295237

**Incident Numbers**

222380	222376
222370	222576
222577	222371
222373	222372
222369	

**Investigator:** RICHARD BLACKNEY

**Site Classification** TYPE 1

**Conducted:** 10/30/2015 -- 01/13/2016

**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**

RESPONDENT

**Name**

BLUE RIDGE LANDFILL TX LP

**Contact(s):**

**Role**

PARTICIPATED  
IN

**Title**

LANDFILL  
OPERATIONS  
MANAGER

**Name**

MR MATT  
MONTAGNA

**Phone**

Work (713) 676-7664

REGULATED  
ENTITY  
CONTACT

ENVIRONMENTAL  
MANAGER

MR BURGESS STENGL

Office

(713) 676-7669

**Other Staff Member(s):**

**Role**

Investigator  
Supervisor  
QA Reviewer  
Investigator

**Name**

CARLOS GRIGGS  
ALMA JEFFERSON  
TOM COLLINS  
JOHN BREGGER

## Associated Check List

### Checklist Name

MSW COMPLAINT INVESTIGATION

### Unit Name

complaint

### Investigation Comments:

#### INTRODUCTION

On October 29, 2015, and November 2, 2015, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received nine (9) 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 October 26, 27, 28, and 29, 2015 and November 1, 2015.

On October 30, 2015, Mr. John Bregger and Mr. Carlos Griggs, Environmental Investigators for the TCEQ Houston Region Office Air Section conducted an Odor Survey of the area near BRL and AkzoNobel Surface Chemistry (Akzo). The findings of this investigation are in TCEQ Consolidated Compliance and Enforcement Data System (CCEDS) Investigation No. 1282606.

On November 13, 2015, Mr. Richard Blackney, Environmental Investigator for the TCEQ Houston Region Office, conducted an unannounced Odor Complaint Investigation at BRL and the area surrounding it. The complaints were unconfirmed for nuisance odors at the time of the investigation.

#### BACKGROUND

The most recent Odor Complaint Investigation (No. 1289116) at BRL was conducted on October 23, 2015. No violations were alleged as a result of the investigation.

#### GENERAL FACILITY AND PROCESS INFORMATION

BRL 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 certain special wastes. Class 1 waste is buried in the designated Class 1 cell of the landfill. The special waste currently accepted includes: dead animals, sludge and Class 2 industrial waste.

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. 222369, 222370, 222371, 222372, 222373, 222376, 222380, 222576 and 222577).

#### Description of Alleged Effects:

Throat and eye irritation were alleged as a result of the odors.

Meteorological data at the time of the October 30, 2015 odor survey

Wind direction: N/NNE/NNW

Wind Speed: 5.8 to 12.7 mph

Temperature: 70.7 to 75.2°F

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

On October 30, 2015, Mr. Bregger and Mr. Griggs conducted an Odor Survey of the area surrounding AkzoNobel Surface Chemistry and BRL. Mr. Bregger and Mr. Griggs arrived in the vicinity of Akzo at approximately 6:30 a.m.

The investigators conducted odor surveys at several locations directly adjacent to Akzo. The investigators drove down several roads that line the perimeter of the facility, as well as stationed themselves at the Exxon gas station

Description of the Terrain Features of the Area:  
Terrain is flat with residences and industrial facilities.

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 Offensiveness (FIDO) protocol, the odor of landfill garbage is characterized as "offensive." A frequency of odors was not determined as odors characteristic of landfills were not documented by the investigators during the odor survey.

Physical Effects Experienced by the Investigators which are Indicative of Adverse Effects upon Health:  
The investigators 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.

**CONCLUSION**

No violations of solid waste management requirements were noted as a result of this investigation.

**No Violations Associated to this Investigation**

Signed

Richard Blackney  
Environmental Investigator

Date 02/11/2016

Signed

Alma L. Jefferson  
Supervisor

Date 02/11/2016

**Attachments: (in order of final report submittal)**

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type): No Action

☐ Investigation Report

☐ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☐ Maps, Plans, Sketches

☐ Photographs

☐ Correspondence from the facility

☒ Other (specify):

See list of attachments

facility across from Akzo. The investigators were unable to confirm an odor.

The investigators then began to conduct surveys in various residential areas in close proximity of Akzo. As there were a large number of complaints filed the day before the investigation was conducted, the investigators chose several locations that were near clusters of complaints. After waiting in each location for lengthy periods of time, the investigators were unable to confirm an odor.

Investigators conducted odor surveys in two different areas that were not affiliated with the majority of complaints received. These locations were along Hiram Clarke Road and Chimney Rock Road. In both locations, the investigators were unable to confirm an odor.

The investigators performed another odor survey at the gas station located at the corner of South Post Oak and McHard Road, directly west of Akzo and Northwest of BRL. The investigators were unable to confirm an odor.

The final locations of the survey conducted occurred along McHard Road, around Akzo. The investigators were unable to confirm any odors.

Meteorological data at the time of the November 13, 2015 odor survey

Wind direction: NE, ENE

Wind Speed: 10.1 to 12.6 mph

Temperature: 65.4 to 66.4°F

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

On November 13, 2015, Mr. Blackney conducted Odor Surveys (OS) near BRL. He arrived at the first survey point located at the 3000 block of Sunrise Run Lane. OS No. 1 took place crosswind of BRL and was conducted at 9:57 a.m. No odors were detected during the 15 minutes spent at OS No. 1.

The investigator went to OS No. 2 located at the 19400 block of South Post Oak Rd. OS No. 2 took place downwind of BRL and was conducted at 10:24 a.m. No odors were detected during the 15 minutes spent at OS No. 2.

The investigator then went to OS No. 3 located 0.25 miles north of the intersection of Evergreen St. and California St. OS No. 3 took place downwind of BRL and was conducted at 10:51 a.m. No odors were detected during the 15 minutes spent at OS No. 3.

Aerial view maps of the November 13, 2015 OS locations and the OS logs are included in Attachment 3.

Summary of on-site investigation:

Following the odor survey on November 13, 2015, Mr. Blackney arrived at BRL at approximately 11:30 a.m., and met with Mr. Matt Montagna, Landfill Operations Manager. Mr. Montagna drove the investigator to the solidification basin, where wood chips were seen being mixed with liquid waste prior to disposal at the working face. A system of misters for the purpose of neutralizing odors was observed to be in operation. Mr. Montagna drove the investigator to the MSW and Class 1 working faces, by which piles of soil were observed. No issues were noted at the MSW working face or the Class 1 working face.

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 at the end of each operating day. BRL is authorized, by permit, to use tarps as alternate daily cover on the MSW working face. Historically, BRL has used six inches of soil on the MSW working face on Tuesdays, Thursdays and Saturdays, and a combination of soil and tarps for cover on Mondays, Wednesdays, and Fridays. However, according to Mr. Montagna, recently they have been using soil exclusively at the end of each operating day. The investigator obtained copies of the MSW and Class 1 cover logs for October and November 2015 (Attachment 4). The cover logs indicated that daily cover was applied at the end of each operational day at the landfill. No issues were noted.

Description of Odor:

Odors typical of landfill garbage were not detected during the odor survey.

Description of the Effects on the Investigators:

No health effects were experienced by the investigators.

# TCEQ Complaint Report

# COPY

02/10/2016  
4:14:02PM

**Incident No:** 222369  
**Media Type:** WASTE  
**Start Date:** 10/26/2015  
**Received Date:** 10/29/2015  
**Method :** EMAIL

**Staff Member:** RBLACKNE  
**Status:** Closed  
**Status Date:** 02/10/2016  
**Priority:** Within 14 Calendar Days

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545  
**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078  
**Work Phone:** (713)676-7669

**Number Complaining:** 1  
**Frequency:** INTERMITTENT  
**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR  
**Effect:** HEALTH

## Initial Problem

Complainant alleged that a pungent odor smelling like decaying trash was noted in the area.

## Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

## Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237





## TCEQ Complaint Report

02/10/2016  
4:14:07PM

COPY

**Incident No:** 222370  
**Media Type:** WASTE  
**Start Date:** 10/27/2015  
**Received Date:** 10/29/2015  
**Method :** EMAIL

**Staff Member:** RBLACKNE  
**Status:** Closed  
**Status Date:** 02/10/2016  
**Priority:** Within 14 Calendar Days

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545  
**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078  
**Work Phone:** (713)676-7669

**Number Complaining:** 1  
**Frequency:** INTERMITTENT  
**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR  
**Effect:** HEALTH

### Initial Problem

Complainant alleged that a pungent odor smelling like decaying trash is noted in the area.

### Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

### Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



## TCEQ Complaint Report

02/10/2016  
4:13:56PM

COPY

**Incident No:** 222371

**Media Type:** WASTE

**Start Date:** 10/28/2015

**Received Date:** 10/29/2015

**Method :** EMAIL

**Staff Member:** RBLACKNE

**Status:** Closed

**Status Date:** 02/10/2016

**Priority:** Within 14 Calendar Days

---

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545

**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078

**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** INTERMITTENT

**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR

**Effect:** HEALTH

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### Initial Problem

Complainant alleged that a pungent odor smelling like decaying trash is noted in the area.

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### Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

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### Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



# TCEQ Complaint Report

COPY

02/10/2016  
4:14:02PM

**Incident No:** 222372  
**Media Type:** WASTE  
**Start Date:** 10/28/2015  
**Received Date:** 10/29/2015  
**Method :** EMAIL

**Staff Member:** RBLACKNE  
**Status:** Closed  
**Status Date:** 02/10/2016  
**Priority:** Within 30 Calendar Days

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545  
**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078  
**Work Phone:** (713)676-7669

**Number Complaining:** 1  
**Frequency:** PAST  
**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR  
**Effect:** HEALTH

## Initial Problem

Complainant alleged that the smell of garbage is high and air quality is bad.

## Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

## Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



# TCEQ Complaint Report

02/10/2016  
4:14:07PM

COPY

**Incident No:** 222373

**Media Type:** WASTE

**Start Date:** 10/28/2015

**Received Date:** 10/29/2015

**Method :** EMAIL

**Staff Member:** RBLACKNE

**Status:** Closed

**Status Date:** 02/10/2016

**Priority:** Within 1 Working Day

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545

**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Address:** 5757 OATES RD, HOUSTON, TX 77078

**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** PAST

**Alleged Source:** BLUE RIDGE LANDFILL

**Title:** ENVIRONMENTAL  
MANAGER

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR  
**Effect:** HEALTH

## Initial Problem

Complainant alleged that a toxic chemical smell is noted in the air causing throat and eye irritation.

## Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

## Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237





## TCEQ Complaint Report

02/10/2016  
4:14:07PM

COPY

**Incident No:** 222376

**Media Type:** WASTE

**Start Date:** 10/28/2015

**Received Date:** 10/29/2015

**Method :** EMAIL

**Staff Member:** RBLACKNE

**Status:** Closed

**Status Date:** 02/10/2016

**Priority:** Within 14 Calendar Days

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545

**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078

**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** INTERMITTENT

**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR  
**Effect:** HEALTH

### Initial Problem

Complainant alleged that a pungent odor smelling like decaying trash is noted in the area.

### Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

### Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



## TCEQ Complaint Report

02/10/2016  
4:14:02PM

COPY

**Incident No:** 222577

**Staff Member:** RBLACKNE

**Media Type:** WASTE

**Status:** Closed

**Start Date:** 11/1/2015

**Status Date:** 02/10/2016

**Received Date:** 11/02/2015

**Priority:** Within 14 Calendar Days

**Method :** EMAIL

---

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545

**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078

**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** PAST

**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR

**Effect:** GENERAL

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### Initial Problem

Complaint alleges strong odor filled the neighborhood.

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### Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

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### Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



# TCEQ Complaint Report

COPY

02/10/2016  
4:14:02PM

**Incident No:** 222380

**Staff Member:** RBLACKNE

**Media Type:** WASTE

**Status:** Closed

**Start Date:** 10/28/2015

**Status Date:** 02/10/2016

**Received Date:** 10/29/2015

**Priority:** Within 14 Calendar Days

**Method :** EMAIL

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545

**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078

**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** CURRENT

**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR

**Effect:** PROPERTY

## Initial Problem

Complainant alleged strong odors in the area.

## Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

## Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237



# TCEQ Complaint Report

COPY

02/10/2016  
4:14:07PM

**Incident No:** 222576  
**Media Type:** WASTE  
**Start Date:** 11/1/2015  
**Received Date:** 11/02/2015  
**Method :** EMAIL

**Staff Member:** RBLACKNE  
**Status:** Closed  
**Status Date:** 02/10/2016  
**Priority:** Within 14 Calendar Days

**Regulated Entity:** BLUE RIDGE LANDFILL

**RN102610102**

**Address:** 2200 FM 521 RD  
FRESNO, FORT BEND County, TX 77545  
**Physical Location:** LOCATED ON 2200 FM 521

**Responsible Party:** BLUE RIDGE LANDFILL TX LP

**Title:** ENVIRONMENTAL  
MANAGER

**Address:** 5757 OATES RD, HOUSTON, TX 77078  
**Work Phone:** (713)676-7669

**Number Complaining:** 1

**Frequency:** PAST

**Alleged Source:** BLUE RIDGE LANDFILL

**Program Group:** MUNICIPAL  
SOLID WASTE - HIGH LEVEL

**Nature:** ODOR

**Effect:** ENVIRONMENTAL

## Initial Problem

Complainant alleges of foul rotten odor coming from the facility.

## Action Taken

This complaint has been assigned and will be further investigated by an Environmental Investigator.

## Closure Comments

More information will be available upon approval of the investigation report.

**Investigation Number:** 1295237





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*

February 11, 2016

Mr. Burgess Stengl  
Environmental Manager  
Blue Ridge Landfill TX LP  
5757A Oates Road  
Houston, Texas 77078

Re: Investigation Request at:  
Blue Ridge Landfill, 2200 FM 521 Rd, Fresno, TX 77545-8214  
TCEQ MSW Permit No.: 1505A  
**Investigation No.: 1295237**  
**Incident Nos.: 222369, 222370, 222371, 222372, 222373, 222376, 222380, 222576, 222577**

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on October 29 and November 2, 2015 requests for assistance regarding the offensive odor at the above-referenced facility. In response to this request, Mr. Richard Blackney of this office conducted an investigation on November 13, 2015. 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](http://www.tceq.texas.gov).

We appreciate your assistance in this matter and your interest in protecting the quality of our environment. If you have any questions concerning these findings, or if we can be of further assistance, please contact Mr. Blackney at this office 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



**Blue Ridge Landfill**  
**2200 F.M. 521, Fresno (Fort Bend County), TX 77545**  
**Municipal Solid Waste Permit No. 1505A**  
**MSW Complaint Investigation**  
**Conducted on October 30, 2015 to November 13, 2015**

List of Attachments

<b>Attachment 1</b>	TCEQ Central Registry information for Blue Ridge Landfill
<b>Attachment 2</b>	Meteorological conditions for October 30, 2015 and November 13, 2015
<b>Attachment 3</b>	Map of Odor Survey locations and Odor Logs
<b>Attachment 4</b>	October and November 2015 cover logs

# 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	PENDING
INDUSTRIAL AND HAZARDOUS WASTE	SOLID WASTE REGISTRATION # (SWR)	89429	INACTIVE
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	1505	CANCELLED
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](#)   [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 and to control cell highlighting based on measured nitrogen dioxide levels. 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:** October   **Day:** 30   **Year:** 2015   **Time Format:** 12 Hour (AM/PM)

Generate Report   Plot Data

**Nitrogen Dioxide Highlights:** ☒ Moderate   ☒ Unhealthy for Sensitives   ☒ Unhealthy   ☒ Very Unhealthy   ☒ Hazardous

☒ 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 **Friday, October 30, 2015**. 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	1.3	0.6	1.0	0.8	0.6	<b>0.4</b>	1.1	0.8	0.8	1.2	0.5	0.7	0.6	0.4	CAL	CAL	CAL	CAL	CAL	<b>1.7</b>	0.9	1.2	0.8	1.3	Nitric Oxide
Nitrogen Dioxide	2.9	2.7	3.1	2.9	5.1	<b>5.9</b>	4.7	4.3	3.9	3.3	2.0	1.7	0.9	1.8	CAL	CAL	CAL	CAL	CAL	-0.8	-1.8	-1.9	-2.1	<b>-2.2</b>	Nitrogen Dioxide
Oxides of Nitrogen	4.4	3.4	4.3	3.7	5.9	<b>6.5</b>	5.9	5.3	4.9	4.6	2.5	2.4	1.6	2.3	CAL	CAL	CAL	CAL	CAL	0.9	-0.8	-0.7	<b>-1.2</b>	-0.9	Oxides of Nitrogen
Ozone	39	37	38	34	24	<b>19</b>	22	25	29	32	36	37	CAL	CAL	CAL	40	37	39	<b>42</b>	39	40	37	35	34	Ozone
Wind Speed	5.5	5.7	6.5	<b>5.1</b>	5.3	5.2	7.3	7.8	9.6	11.3	13.1	14.8	17.7	18.9	<b>19.2</b>	16.9	13.1	17.3	12.0	12.2	15.1	14.8	13.4	16.7	Wind Speed
Resultant Wind Speed	5.3	5.5	6.3	<b>4.9</b>	5.2	5.1	7.1	7.6	9.3	11.0	12.8	14.4	17.2	18.5	<b>18.8</b>	16.5	12.8	17.0	11.6	11.6	14.8	14.5	13.1	16.2	Resultant Wind Speed
Resultant Wind Direction	100	108	107	116	94	<b>88</b>	111	106	122	123	127	125	136	<b>141</b>	136	139	124	134	119	121	138	135	131	137	Resultant Wind Direction
Maximum Wind Gust	9.8	11.0	11.5	10.2	<b>9.4</b>	10.2	13.8	14.0	18.6	24.4	24.0	28.1	32.6	34.5	32.5	32.6	25.2	<b>36.0</b>	30.1	27.8	26.9	28.1	26.3	33.8	Maximum Wind Gust
Std. Dev. Wind Direction	13	14	14	14	<b>10</b>	11	12	13	13	13	13	13	13	13	12	13	12	12	14	<b>18</b>	12	12	12	13	Std. Dev. Wind Direction
Outdoor Temperature	<b>69.4</b>	69.8	71.1	71.4	70.9	71.0	71.6	72.7	74.0	75.2	76.1	76.3	<b>77.2</b>	77.1	76.1	74.3	73.0	73.1	70.3	71.9	74.9	74.9	75.3	74.7	Outdoor Temperature

Parameter Measured
Mid1:002:003:004:005:006:007:008:009:0010:0011:00
Noon1:002:003:004:005:006:007:008:009:0010:0011:00

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**.  
 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.


**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 and to control cell highlighting based on measured nitrogen dioxide levels. 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:

November 13 2015 12 Hour (AM/PM) Generate Report Plot Data

Nitrogen Dioxide Highlights: ☒ Moderate ☒ Unhealthy for Sensitive ☒ Unhealthy ☒ Very Unhealthy ☒ Hazardous

☒ 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 Friday, November 13, 2015. All times shown are in CST.

Parameter Measured	Morning												Afternoon												Param Meas		
	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	-0.1	0.3	-0.2	-0.2	0.1	0.9	0.1	1.2	<b>1.4</b>	0.6	-0.2	0.8	0.6	0.1	0.2	0.0	0.8	0.8	0.6	0.2	-0.1	0.2	0.1	0.1	Nitric Oxide		
Nitrogen Dioxide	4.8	4.3	2.8	3.7	3.6	4.5	8.0	<b>9.7</b>	3.0	1.3	-0.4	0.3	0.4	0.7	1.5	2.7	8.3	8.2	8.2	7.8	8.3	6.2	4.4	5.5	Nitrogen Dioxide		
Oxides of Nitrogen	4.6	4.5	2.6	3.4	3.6	5.3	7.9	<b>10.7</b>	4.3	1.8	-0.5	1.1	1.0	0.8	1.6	2.6	8.9	8.8	8.6	7.9	8.0	6.3	4.4	5.5	Oxides of Nitrogen		
Ozone	23	24	26	23	24	21	17	17	27	32	36	39	40	43	<b>44</b>	42	27	23	19	17	<b>16</b>	19	20	18	Ozone		
Wind Speed	6.5	5.9	6.3	7.2	7.8	7.3	6.5	7.3	12.0	12.2	<b>13.0</b>	10.7	8.9	8.0	7.4	6.8	6.6	7.4	6.5	6.5	5.7	6.1	<b>4.7</b>	5.0	Wind Speed		
Resultant Wind Speed	6.2	5.7	6.1	6.9	7.6	7.1	6.3	7.0	11.7	11.8	<b>12.6</b>	10.1	8.2	7.6	7.1	6.6	6.2	7.0	6.3	6.2	5.5	5.8	<b>4.6</b>	4.9	Resultant Wind Speed		
Resultant Wind Direction	16	25	23	26	36	33	37	54	56	57	65	<b>81</b>	68	53	68	78	18	<b>15</b>	24	27	25	30	27	32	Resultant Wind Direction		
Maximum Wind Gust	12.4	13.2	12.1	13.9	14.5	12.8	11.8	17.5	20.3	<b>22.9</b>	21.9	18.8	17.3	13.5	13.0	13.1	12.1	14.4	11.6	11.5	11.2	11.8	9.3	<b>8.6</b>	Maximum Wind Gust		
Std. Dev. Wind Direction	19	15	16	15	<b>12</b>	14	12	14	13	15	14	19	<b>23</b>	18	16	14	21	19	16	15	15	15	14	12	Std. Dev. Wind Direction		
Outdoor Temperature	61.7	61.1	60.5	59.5	59.0	58.5	<b>58.2</b>	59.2	61.3	63.9	65.4	66.4	66.5	<b>66.6</b>	66.6	66.5	65.0	63.5	61.9	60.4	59.6	59.6	59.2	58.7	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	Param Meas		
Morning													Afternoon														
Maximum values for each parameter are <b>bold</b> within the table. Minimum values are <b>bold italic</b> .																											
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.

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# **ATTACHMENT 3**







3000 block of Sunrise Run Lane

wind: N

## Supplemental Investigator's Odor Intensity Time Log

051

Date of Investigation: 11-13-15 Start Time: 9:57 am

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	no odor
9	no odor
10	no odor
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	no odor
58	no odor
59	no odor
60	no odor

Offensiveness: Highly \_\_\_\_\_ Offensive \_\_\_\_\_ Unpleasant \_\_\_\_\_ Not Unpleasant \_\_\_\_\_

Weighted Average Intensity:

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

Wind: ENE 1940z block of S. just Oak Blvd

# Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 11-13-15 Start Time: 10:24 am

052

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	no odor
25	no odor
26	no odor
27	no odor
28	no odor
29	no odor
30	no odor

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

Live Oak Rd / California St.

# Supplemental Investigator's Odor Intensity Time Log

Date of Investigation: 11-13-15 Start Time: 10:51am

053

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

Minutes	Odor Intensity VL, L, M, S, VS
31 min	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	no odor
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 4



Daily Cover		Approved Alternative Daily Cover		Elevation		Inspection		Erosion of		Corrective		Soil		Rain		Final Cover		Final Cover		Supervisor Sign												
6" Soil		Spray-On or Tarps		MSL		Date of Daily Cover <sup>1</sup>		Leachate Seep Detected <sup>2</sup>		Leachate Seep Corrected <sup>3</sup>		Stockpile Required <sup>4</sup> (yd <sup>3</sup> )		Rain (inches) ≥ 0.5"		Intermediate Cover		Per Final Closure Plan		Inspection Date of Intermediate & Final Cover <sup>5</sup>		Erosion 2" or Greater Detected <sup>6</sup>		Date Erosion Corrected <sup>7</sup>		Corrective Action <sup>8</sup>		Final Cover Certification Report Reference		Supervisor Sign		
AMT <sup>1</sup>	Grid Area	T <sup>2</sup>	Method <sup>3</sup>	AMT <sup>4</sup>	Grid Area	T <sup>2</sup>	Method <sup>3</sup>	Inspected	Yes	Yes	Corrected	Stockpile Required <sup>4</sup> (yd <sup>3</sup> )	Rain (inches) ≥ 0.5"	AM	AMT <sup>1</sup>	Grid Area	T <sup>2</sup>	Method <sup>3</sup>	AMT <sup>4</sup>	Grid Area	T <sup>2</sup>	Method <sup>3</sup>	Inspected	Yes	Corrected	Action <sup>8</sup>	Final Cover Certification Report Reference	Supervisor Sign				
1	54D	64	B	—	—	—	—	48-54																								
2	54D	64	B	—	—	—	—	50-54																								
3	48D	64	B	—	—	—	—	46-50																								
4								50-54																								
5	54D	64	B	—	—	—	—	50-54																								
6	54D	64	B	—	—	—	—	48-54																								
7	54D	64	B	—	—	—	—	48-54																								
8	54D	64	B	—	—	—	—	54-58																								
9	54D	64	B	—	—	—	—	54-58																								
10	54D	64	B	—	—	—	—	54-58																								
11																																
12	54D	64	B	—	—	—	—	50-54																								
13	54D	64	B	—	—	—	—	50-54																								
14	54D	64	B	—	—	—	—	50-54																								
15	54D	64	B	—	—	—	—	50-54																								
16	54D	64	B	—	—	—	—	54-58																								
17	54D	64	B	—	—	—	—	50-54																								
18																																
19	54D	64	B	—	—	—	—	50-54																								
20	54D	64	B	—	—	—	—	50-54																								
21	54D	64	B	—	—	—	—	50-54																								
22	54D	64	B	—	—	—	—	50-54																								
23	54D	64	B	—	—	—	—	50-54																								
24	54D	64	B	—	—	—	—	50-54																								
25																																
26	54D	64	B	—	—	—	—	64-48																								
27	54D	64	B	—	—	—	—	18-70																								
28	54D	64	B	—	—	—	—	40-43																								
29	54D	64	B	—	—	—	—	63-44																								
30	54D	64	B	—	—	—	—	4-70																								
31	54D	64	B	—	—	—	—	4-70																								

T<sup>2</sup> = Amount of cover (soil) in yd<sup>3</sup> or alternate daily cover in bags or tarp area  
Thickness in inches  
Code: 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  
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  
Corrective Action: R = Restoring cover material, G = Grading, M = Compacting, S = Seeding  
SOP Section 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 of  
Signature certifies work accomplished as stated in the Cover Application Log

Initial 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.  
action unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation stating reasons for delay.  
ated size of the working face. A 50 yd<sup>3</sup> soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area.

Blue Ridge Laminati, MSW-1303A													Month / Year: <u>November 2015</u>					
Daily Cover		Approved Alternative Daily Cover					Inspection		Erosion or		Corrective		Final Cover Supervisor Signature					
6" Soil		Sprey-On or Taps					MSL		Date of Daily Cover <sup>a</sup>		Leachate Step Detected		Leachate Step Connected		Soil Stochastic Required (yd <sup>3</sup> )		Rain (inches) ≥ 0.5"	
AMT	Grid Area	T <sup>2</sup>	Method <sup>1</sup>	AMT <sup>1</sup>	Grid Area	T <sup>2</sup>	Method <sup>1</sup>	Y-Inspected	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes
1																		
2	54-55	6"	B	1	1	1	1	54-58	✓									
3	55-56	6"	B	1	1	1	1	55-59	✓									
4	56-57	6"	B	1	1	1	1	56-60	✓									
5	57-58	6"	B	1	1	1	1	57-61	✓									
6	58-59	6"	B	1	1	1	1	58-62	✓									
7	59-60	6"	B	1	1	1	1	59-63	✓									
8	60-61	6"	B	1	1	1	1	60-64	✓									
9	61-62	6"	B	1	1	1	1	61-65	✓									
10	62-63	6"	B	1	1	1	1	62-66	✓									
11	63-64	6"	B	1	1	1	1	63-67	✓									
12	64-65	6"	B	1	1	1	1	64-68	✓									
13	65-66	6"	B	1	1	1	1	65-69	✓									
14	66-67	6"	B	1	1	1	1	66-70	✓									
15	67-68	6"	B	1	1	1	1	67-71	✓									
16	68-69	6"	B	1	1	1	1	68-72	✓									
17	69-70	6"	B	1	1	1	1	69-73	✓									
18	70-71	6"	B	1	1	1	1	70-74	✓									
19	71-72	6"	B	1	1	1	1	71-75	✓									
20	72-73	6"	B	1	1	1	1	72-76	✓									
21	73-74	6"	B	1	1	1	1	73-77	✓									
22	74-75	6"	B	1	1	1	1	74-78	✓									
23	75-76	6"	B	1	1	1	1	75-79	✓									
24	76-77	6"	B	1	1	1	1	76-80	✓									
25	77-78	6"	B	1	1	1	1	77-81	✓									
26	78-79	6"	B	1	1	1	1	78-82	✓									
27	79-80	6"	B	1	1	1	1	79-83	✓									
28	80-81	6"	B	1	1	1	1	80-84	✓									
29	81-82	6"	B	1	1	1	1	81-85	✓									
30	82-83	6"	B	1	1	1	1	82-86	✓									
31	83-84	6"	B	1	1	1	1	83-87	✓									

Daily Cover		Approved Alternative Daily Cover					Inspection		Erosion or		Corrective		Final Cover Supervisor Signature				
2" Soil		Per Final Closure Plan					Intermediate & Final Cover <sup>a</sup>		Leachate Step Detected		Leachate Step Connected		Soil Stochastic Required (yd <sup>3</sup> )		Rain (inches) ≥ 0.5"		
AMT	Grid Area	T <sup>2</sup>	Method <sup>1</sup>	AMT <sup>1</sup>	Grid Area	T <sup>2</sup>	Method <sup>1</sup>	Y-Inspected	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes	Y-Yes
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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30																	
31																	

32 SERVICES  
Blues Bldg 1 and 411 MSW-1505A

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November 2015

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