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1505A

Investigation # 1295237

MSW PA_1505A_CO_20151030_Investigation Report
Texas Commission on Environmental Quality
Investigation Report

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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

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: 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

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

Initial Problem

Complaint alleges strong odor filled the neighborhood.

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
4:14:02PM

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 Niemann, *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.

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

Attachment 1	TCEQ Central Registry information for Blue Ridge Landfill
Attachment 2	Meteorological conditions for October 30, 2015 and November 13, 2015
Attachment 3	Map of Odor Survey locations and Odor Logs
Attachment 4	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: Day: Year: Time Format:

October 30 2015 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	0.4	1.1	0.8	0.8	1.2	0.5	0.7	0.6	0.4	CAL	CAL	CAL	CAL	CAL	1.7	0.9	1.2	0.8	1.3	Nitric Oxide
Nitrogen Dioxide	2.9	2.7	3.1	2.9	5.1	5.9	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	-2.2	Nitrogen Dioxide
Oxides of Nitrogen	4.4	3.4	4.3	3.7	5.9	6.5	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	-1.2	-0.9	Oxides of Nitrogen
Ozone	39	37	38	34	24	19	22	25	29	32	36	37	CAL	CAL	CAL	40	37	39	42	39	40	37	35	34	Ozone
Wind Speed	5.5	5.7	6.5	5.1	5.3	5.2	7.3	7.8	9.6	11.3	13.1	14.8	17.7	18.9	19.2	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	4.9	5.2	5.1	7.1	7.6	9.3	11.0	12.8	14.4	17.2	18.5	18.8	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	88	111	106	122	123	127	125	136	141	136	139	124	134	119	121	138	135	131	137	Resultant Wind Direction
Maximum Wind Gust	9.8	11.0	11.5	10.2	9.4	10.2	13.8	14.0	18.6	24.4	24.0	28.1	32.6	34.5	32.5	32.6	25.2	36.0	30.1	27.8	26.9	28.1	26.3	33.8	Maximum Wind Gust
Std. Dev. Wind Direction	13	14	14	14	10	11	12	13	13	13	13	13	13	13	12	13	12	12	14	18	12	12	12	13	Std. Dev. Wind Direction
Outdoor Temperature	69.4	69.8	71.1	71.4	70.9	71.0	71.6	72.7	74.0	75.2	76.1	76.3	77.2	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 Morning Afternoon Parameter Measured

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	1.4	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	9.7	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	10.7	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	44	42	27	23	19	17	16	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	13.0	10.7	8.9	8.0	7.4	6.8	6.6	7.4	6.5	6.5	5.7	6.1	4.7	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	12.6	10.1	8.2	7.6	7.1	6.6	6.2	7.0	6.3	6.2	5.5	5.8	4.6	4.9	Resultant Wind Speed		
Resultant Wind Direction	16	25	23	26	36	33	37	54	56	57	65	81	68	53	68	78	18	15	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	22.9	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	8.6	Maximum Wind Gust		
Std. Dev. Wind Direction	19	15	16	15	12	14	12	14	13	15	14	19	23	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	58.2	59.2	61.3	63.9	65.4	66.4	66.5	66.6	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 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.

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

Drain Cover		Approved Alternative Drain Cover		Elevation	Inspection	Excavation or	Date	Corrective	Soil	Rain	Rain
6" Soil		Sticky-On or Taps		MSL	Ditch or Daily Cover ¹	Leachate Seep Detected	Leachate Seep Corrected ²	Action ³	Required ⁴ (yd ³)	(inches)	(inches) $\geq 0.25"$
AMT ⁵	Grid Area	T ²	Method ⁶	Grid Area	T ²	Method ⁶					
1	54D	6"	B	—	—	—	48-54				
2	54D	6"	B	—	—	—	50-56				
3	48D	6"	B	—	—	—	46-50				
4	54D	6"	B	—	—	—	50-54				
5	54D	6"	B	—	—	—	50-52				
6	54D	6"	B	—	—	—	48-54				
7	54D	6"	B	—	—	—	48-54				
8	54D	6"	B	—	—	—	44-58				
9	54D	6"	B	—	—	—	54-58				
10	54D	6"	B	—	—	—	54-58				
11	54D	6"	B	—	—	—	54-58				
12	54D	6"	B	—	—	—	50-54				
13	54D	6"	B	—	—	—	50-54				
14	54D	6"	B	—	—	—	50-54				
15	54D	6"	B	—	—	—	50-54				
16	54D	6"	B	—	—	—	54-58				
17	54D	6"	B	—	—	—	50-58				
18	54D	6"	B	—	—	—	50-54				
19	54D	6"	B	—	—	—	50-54				
20	54D	6"	B	—	—	—	50-52				
21	54D	6"	B	—	—	—	50-56				
22	54D	6"	B	—	—	—	50-54				
23	54D	6"	B	—	—	—	50-54				
24	54D	6"	B	—	—	—	50-54				
25	54D	6"	B	—	—	—	50-54				
26	54D	6"	B	—	—	—	50-54				
27	54D	6"	B	—	—	—	50-54				
28	54D	6"	B	—	—	—	50-54				
29	54D	6"	B	—	—	—	50-54				
30	54D	6"	B	—	—	—	50-54				
31	54D	6"	B	—	—	—	50-54				

T = Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area
thickness in inches

Methods: A = Tap Machine, B = Soil by Heavy Equipment, S = Spray-On

Inspected 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 7.7.4 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 certified work accomplished as stated in the Cover Application Log.

[illegible]

initial event of 0.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.16. Additional documentation area on back of form 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 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area

[illegible]

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