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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 5, 2018

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

Re: Investigation Request at:
Blue Ridge Landfill, 2200 FM 521 Rd, Fresno (Fort Bend), TX 77545-8214
TCEQ MSW Permit No.: 1505A
Investigation Nos.: 1437522, 1438669, and 1438670

Dear Mr. Stengl:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on September 6, 8, 11, 12, 13, 14, 21, 22, 25 and 26, 2017 requests for assistance regarding the odor at the above-referenced facility. In response to this request, Mr. Richard Blackney of this office conducted an investigation on September 26, 2017. 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 (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

MSW PA_1505A_CO_20170914_Investigation Report
Texas Commission on Environmental Quality
Investigation Report

The TCEQ is committed to accessibility. If you need assistance in accessing this document, please contact oce@tceq.texas.gov

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

Regulated Entity Name: BLUE RIDGE LANDFILL
Regulated Entity Number: RN102610102

Investigation # 1437522

Incident Numbers

267749	267767
267742	267768
267772	266957
267492	267719
267698	267769
267726	267736
267302	267721
267761	267737
267695	267747
267699	267763
267738	267493
267744	267692
267727	267723
267714	267770
267710	267745
267750	267764
267715	267701
267748	267739
267716	267704
267724	267718
267765	267752
267730	267746
267771	267753
267766	267731
266952	267754

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 09/14/2017 -- 03/23/2018

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,
FRESNO, TX , 77545

Local Unit: REGION 12 - HOUSTON

Activity Type(s): MSWC MPL - Investigation of MSW
complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

BLUE RIDGE LANDFILL - FRESNO

9/14/2017 to 3/23/2018 Inv. # - 1437522

Page 2 of 5

Contact(s):

Role	Title	Name	Phone
PARTICIPATED IN	LANDFILL OPERATIONS MANAGER	MR MATT MONTAGNA	Work (281) 668-9739
REGULATED ENTITY CONTACT	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669
PARTICIPATED IN	ENVIRONMENTAL MANAGER	MR BURGESS STENGL	Office (713) 676-7669

Other Staff Member(s):

Role	Name
QA Reviewer	TOM COLLINS
Supervisor	ALMA JEFFERSON
Investigator	ASUSENA RENTERIA

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
MSW COMPLAINT INVESTIGATION	complaint

Investigation Comments:

INTRODUCTION

On September 6, 8, 11, 12, 13, 14, 21, 22, 25 and 26, 2017, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 128 complaints alleging odors from Blue Ridge Landfill (BRL) located at 2200 FM 521 Road, Fresno (Fort Bend County), Texas 77545. The odors were alleged to have occurred on September 5, 6, 7, 9, 11, 12, 13, 21, 24 and 26, 2017.

On September 14, 2017, Mr. Richard Blackney, Environmental Investigator of the TCEQ Houston Region Office, conducted a site visit regarding hurricane debris at BRL. On September 26, 2017, Mr. Blackney and Ms. Asusena Renteria, Environmental Investigators of the TCEQ Houston Region Office, conducted an unannounced Odor Complaint Investigation at BRL and the area surrounding it.

BACKGROUND

A Notice of Enforcement was issued to BRL on October 21, 2016 for failure to prevent nuisance odor conditions. On July 12, 2017, Agreed Order Docket No. 2016-1923-AIR-E was signed by the TCEQ.

In a "Request for Approval of Temporary Debris Management Site for Debris Resulting from Declared State or Federal Disaster" signed on August 25, 2017, Republic Services requested authorization for BRL to be used as a staging and stockpiling site for debris from Hurricane Harvey.

On August 28, 2017, BRL sent a Request for Emergency Authorization to the TCEQ due to Hurricane Harvey. The letter requested extended operating hours; additional time to repair erosion and remove ponded water; increased leachate levels on the liner system; a brush grinding authorization; additional time to repair fences, markers and signs; discontinuous landfill gas collection and control system operation; a variance for the working face size; and suspension of daily cleanup of waste along site access roads. By a letter dated August 31, 2017, the TCEQ MSW Permits Section granted the emergency authorization for a period of 30 days from the date of the letter.

GENERAL FACILITY AND PROCESS INFORMATION

BRL's authorization numbers from the TCEQ Central Registry database are included in Attachment 1. BRL is a

BLUE RIDGE LANDFILL - FRESNO

9/14/2017 to 3/23/2018 Inv. # - 1437522

Page 3 of 5

Type I landfill which is authorized to operate by TCEQ Municipal Solid Waste (MSW) Permit No. 1505A. The surrounding land use includes industrial facilities and residential subdivisions.

The landfill is authorized to dispose of MSW including household solid waste, commercial solid waste, construction and demolition waste, and yard waste; Class 1, Class 2, and Class 3 non-hazardous industrial solid waste; and certain special wastes. Liquid waste will be accepted at the Liquid Waste Bulking Facility for stabilization and subsequent disposal. BRL may not accept regulated hazardous waste, prohibited polychlorinated biphenyls, or untreated medical waste.

Prior to Hurricane Harvey the waste acceptance hours were Monday through Friday, 4:00 am to 5:00 pm, and Saturdays from 5:30 am to 12:00 pm. However, at the time of the investigation, BRL had emergency authorization to operate 24 hours a day and seven days a week.

Complainant Information:

See confidential files (TCEQ Incident Nos. 266952, 266957, 267302, 267492, 267493, 267692, 267695, 267698, 267699, 267701, 267704, 267710, 267714, 267715, 267716, 267718, 267719, 267721, 267723, 267724, 267726, 267727, 267730, 267731, 267736, 267737, 267738, 267739, 267742, 267744, 267745, 267746, 267747, 267748, 267749, 267750, 267752, 267753, 267754, 267761, 267763, 267764, 267765, 267766, 267767, 267768, 267769, 267770, 267771, 267772, 267774, 267775, 267777, 267778, 267780, 267784, 267785, 267786, 267788, 267789, 267790, 267792, 267793, 267794, 267796, 267798, 267799, 267800, 267803, 267805, 267808, 267817, 267820, 267821, 267828, 267829, 267831, 267834, 267851, 267852, 267854, 267856, 267857, 267858, 267860, 267862, 267863, 267865, 267866, 267869, 267870, 267871, 267872, 267873, 267874, 267875, 267876, 267877, 267878, 267883, 267884, 267887, 267889, 267891, 267893, 267894, 267896, 267899, 267900, 267901, 267902, 267903, 267904, 267905, 267906, 267908, 267911, 267913, 267914, 267915, 267917, 267921, 268098, 268750, 268751, 268755, 268758 and 268763). Some of the incidents for this complaint investigation are included in Data Maintenance File Review Nos. 1438669 and 1438670.

Description of Alleged Effects:

Breathing difficulty, sinus irritation, nausea and vomiting, headache, throat irritation, difficulty sleeping, burning of the eyes, and coughing were described as occurring due to the odors.

Summary of the September 14, 2017 on-site investigation:

On September 14, 2017, Mr. Blackney arrived at BRL and met with Mr. Matt Montagna, Landfill Operations Manager and Mr. Burgess Stengl, Environmental Manager. No storm debris was observed to be staged in the designated storm debris storage areas located to the west and north of the landfill. According to the facility representatives, their intention is to send storm debris directly to the landfill for disposal rather than to stage the debris. During the site drive-through, water was observed in the new lined cell of the landfill. The investigator observed that a berm had been built along the rim of the cell to protect the water within from runoff.

Summary of the September 26, 2017 on-site investigation:

The investigator arrived at BRL and met with Mr. Montagna and Mr. Stengl, to whom the purpose and scope of the investigation were explained.

Six inches of soil is applied to the Class 1 and MSW working faces 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 a copy of the MSW working face cover log for September 1 to 25, 2017 (Attachment 2).

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

Some erosion gullies were observed on the slopes of the landfill. At the time of the investigation, BRL had emergency authorization allowing for additional time to repair cover.

Small amounts of ponded water were observed on the landfill. The cover log indicated that 1.2 inches of rain had fallen on September 23, 2017. At the time of the investigation, the landfill rule requiring the elimination and regrading of areas with ponded water within seven days of the occurrence of ponding was suspended by the Office of Governor Gregg Abbott at the request of the Executive Director of the TCEQ.

BLUE RIDGE LANDFILL - FRESNO

9/14/2017 to 3/23/2018 Inv. # - 1437522

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Meteorological data at the time of the September 26, 2017 odor survey:

Resultant Wind Direction: Southeast

Resultant Wind Speed: 6.9 mph

Outdoor Temperature: 89.1 °F

Meteorological data taken from the Pearland Regional Airport (KLJV) weather station (Attachment 3).

Odor Survey (OS):

At 12:26 p.m., the investigators arrived at the first survey point located downwind of BRL on the 16600 block of W Ripple Ridge Drive in Houston. No odors were detected during the 15 minutes spent at OS Site No. 1.

At 12:44 p.m., the investigators arrived at the second survey point located at the intersection of Hiram Clarke Rd. and Clarke Springs Dr. in Houston. No odors were detected during the 15 minutes spent at OS Site No. 2.

At 1:11 p.m., the investigators arrived at the third survey point located on the 300 block of W Riley Road in Pearland. No odors were detected during the 15 minutes spent at OS Site No. 3.

An aerial view map of the OS locations and the OS logs are included in Attachment 3.

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

According to the FIDO protocol, the odor of landfill garbage is characterized as "offensive". Prior to the September 26, 2017 odor survey, garbage odors from the direction of BRL were previously detected by the investigator on July 21 and August 15, 2017. Therefore, the frequency of odors documented by the investigator was a quarterly occurrence. According to FIDO protocol, a nuisance condition was not confirmed.

CONCLUSION

According to FIDO protocol, nuisance odor conditions were not confirmed during the investigation conducted on September 26, 2017.

No Violations Associated to this Investigation

Signed Richard Blackney
Environmental Investigator

Date 4-5-2018

Signed Alma L. Jefferson
Supervisor

Date 04/05/2018

Attachments: (in order of final report submittal)

Enforcement Action Request (EAR)

Letter to Facility (specify type) : No Action Letter

Investigation Report

Sample Analysis Results

Manifests

Notice of Registration

Maps, Plans, Sketches

Photographs

Correspondence from the facility

Other (specify) :

See list of attachments

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 # 1438669

Incident Numbers

267799	267780
267789	267790
267876	267821
267800	267834
267883	267869
267874	267774
267792	267793
267860	267870
267828	267775
267803	267877
267794	267871
267872	267777
267805	267778
267831	267817
267856	267865
267873	267854
267784	267866
267796	267852
267808	267785
267878	267875
267786	267851
267820	267863
267857	267862
267788	267858
267829	267798

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 09/14/2017 -- 03/23/2018

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 4922

SIC Code: 4953

SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Data Maintenance File Review

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,
FRESNO, TX , 77545

Local Unit:
Activity Type(s):

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone
------	-------	------	-------

Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
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Investigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1437522.

No Violations Associated to this Investigation

Signed Richard Blackney
 Environmental Investigator

Date 4-5-2018

Signed Alma L. Jefferson
 Supervisor

Date 04/05/2018

Attachments: (in order of final report submittal)

- | | |
|--|---|
| <input type="checkbox"/> Enforcement Action Request (EAR) | <input type="checkbox"/> Maps, Plans, Sketches |
| <input type="checkbox"/> Letter to Facility (specify type) : _____ | <input type="checkbox"/> Photographs |
| <input type="checkbox"/> Investigation Report | <input type="checkbox"/> Correspondence from the facility |
| <input type="checkbox"/> Sample Analysis Results | <input type="checkbox"/> Other (specify) : |
| <input type="checkbox"/> Manifests | _____ |
| <input type="checkbox"/> Notice of Registration | _____ |

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 # 1438670

Incident Numbers

267915	267889
267887	268751
267893	267921
267917	267899
267906	267894
267900	268758
267884	268098
267901	267896
267911	267902
267903	268750
267904	267891
268763	267908
267905	268755
267913	267914

Investigator: RICHARD BLACKNEY

Site Classification TYPE 1

Conducted: 09/14/2017 -- 03/23/2018

NAIC Code: 562212
NAIC Code: 486210
SIC Code: 4922
SIC Code: 4953
SIC Code: 1521

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Data Maintenance File Review

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

Address: 2200 FM 521 RD,
FRESNO, TX , 77545

Local Unit:
Activity Type(s):

Principal(s):

Role	Name
RESPONDENT	BLUE RIDGE LANDFILL TX LP

Contact(s):

Role	Title	Name	Phone
------	-------	------	-------

Other Staff Member(s):

Role	Name
Supervisor	ALMA JEFFERSON

Associated Check List

Checklist Name

Unit Name

Investigation Comments:

This Data Maintenance File Review was created to associate additional incidents for Investigation No. 1437522.

No Violations Associated to this Investigation

Signed Richard Blackman
Environmental Investigator

Date 4-5-2018

Signed Alma L. Jefferson
Supervisor

Date 04/05/2018

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : _____
- Investigation Report
- Sample Analysis Results
- Manifests
- Notice of Registration

- Maps, Plans, Sketches
- Photographs
- Correspondence from the facility
- Other (specify) : _____
- _____
- _____

Blue Ridge Landfill
2200 F.M. 521, Fresno (Fort Bend County), TX 77545
Municipal Solid Waste Permit No. 1505A
MSW Complaint Investigation
Conducted on September 14 to 26, 2017

List of Attachments

- | | |
|--------------|---|
| Attachment 1 | Blue Ridge Landfill Information from the TCEQ Central Registry Database |
| Attachment 2 | September 2017 Cover Log |
| Attachment 3 | Meteorological Information, Map of Odor Survey locations and Odor Logs |

ATTACHMENT 1

[Questions or Comments >>](#)

[Query Home](#) [Customer Search](#) [RE Search](#) [ID Search](#) [Document Search](#) [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](#))

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-5 of 5 Records

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

Industry Type Codes

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

Permits, Registrations, or Other Authorizations

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

1-21 of 21 Records

Program ▲	ID Type	ID Number	ID Status
AIR EMISSIONS INVENTORY	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR NEW SOURCE PERMITS	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR NEW SOURCE PERMITS	AFS NUM	4815700111	ACTIVE
AIR NEW SOURCE PERMITS	REGISTRATION	32691	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	51882	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	55939	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	77271	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	77703	CANCELLED
AIR NEW SOURCE PERMITS	REGISTRATION	81004	ACTIVE
AIR OPERATING PERMITS	ACCOUNT NUMBER	FG0536E	ACTIVE
AIR OPERATING PERMITS	PERMIT	1472	PENDING
INDUSTRIAL AND HAZARDOUS WASTE	SOLID WASTE REGISTRATION # (SWR)	89429	ACTIVE
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	1505	INACTIVE
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	1505A	ACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	64950	ACTIVE
PETROLEUM STORAGE TANK STAGE II			
STORMWATER	PERMIT	TXR05N415	CANCELLED
STORMWATER	PERMIT	TXR05S302	ACTIVE
STORMWATER	PERMIT	TXR15N296	CANCELLED
STORMWATER	PERMIT	TXR15QJ54	EXPIRED
STORMWATER	PERMIT	TXR15RD60	EXPIRED

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ATTACHMENT 2

COVER APPLICATION LOG

REPUBLIC SERVICES
Blue Ridge Landfill, MSW-15054

Month / Year *September 2017*

Supervisor Signature

Line	Daily Cover		Approved/Alternate Daily Cover		Elevation MSL	Inspection Date of Daily Cover	Erosion or Seepage Detected	Date of Erosion or Seepage Corrected	Corrective Action	Soil Samples Required (yd ³)	Rain (inches) ≥ 0.5"	Intermediate Cover		Final Closure Plan		Inspection Date of Intermediate & Final Cover	Erosion or Seepage Detected	Date Erosion Corrected	Corrective Action	Final Cover Generation Region Reference	Supervisor Signature
	AMT	Grid Area	AMT	Grid Area								AMT	Grid Area	AMT	Grid Area						
1	600	46-55	6" B		65-70	✓										9-1-17		G			
2	600	46-55	6" B		70-75	✓										9-2-17		G			
3																					
4	600	46-55	6" B		75-80	✓															
5	700	46-55	6" B		65-70	✓															
6	700	46-55	6" B		70-75	✓															
7	700	46-55	6" B		75-80	✓															
8	700	46-55	6" B		60-64	✓										✓					
9	700	46-55	6" B		64-68	✓										✓					
10																					
11	700	46-55	6" B		68-72	✓															
12	700	46-55	6" B		72-76	✓															
13	700	46-55	6" B		76-80	✓															
14	700	46-55	6" B		60-64	✓															
15	700	46-55	6" B		64-68	✓															
16	700	46-55	6" B		68-70	✓															
17																					
18	700	46-55	6" B		70-74	✓					3.6										
19	700	46-55	6" B		74-77	✓					2.1										
20	700	46-55	6" B		77-80	✓															
21	700	46-55	6" B		60-63	✓															
22	700	46-55	6" B		63-68	✓															
23	700	46-55	6" B		68-71	✓															
24																					
25	700	46-55	6" B		71-76	✓										✓					
26																					
27																					
28																					
29																					
30																					
31																					

AMT = Amount of cover (soil) in yd³ or alternate daily cover in bags or tarp area
 T = Thickness in inches
 Methods: A = Tarp Machine; B = Soil by Heavy Equipment; S = Spray-On
 Inspect areas with daily cover or alternate daily cover each day the site is in operation and areas with intermediate and final cover weekly or within 72 hours of a rainfall event of 0.5" or more. Inspect all areas in accordance with Site Operating Plan Section 4.18. Additional documentation area on back of form.
 Erosion of daily cover must be corrected within 24 hours after the area is accessible. Erosion of intermediate or final cover must be corrected within 5 days of detection unless approved by TCEQ Regional Office. If not corrected within 5 days, attach documentation stating reasons for delay.
 Corrective Action: R = Restoring cover material; G = Grading; M = Compacting; S = Seeding
 SOP Section 7.74 requires a soil stockpile to be maintained within 1,000 ft. of the working face. The amount of soil required is dependent upon the maximum allocated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area.
 Signature certifies work accomplished as stated in the Cover Application Log.

1 Graded to Repair Erosions Phase III West Slope on Side of Road. N-R

2 Graded to Repair Erosions Phase III West Slope across Rd. L-N

3

4

5

6

7

8

9

10

11

12 Graded to Repair Erosions Phase III South Slope N-S and North Slope West to East Graded + ^{Repaired} ~~Repaired~~ ^{Over Material}

13 Graded to Repair Erosions Phase III South Slope J-M

14 Graded to Repair Erosions Phase III South Slope K & West Slope

15 Graded to Repair Erosions Phase III West Slope K-P

16 Graded to Repair Erosions Phase III East Slope 46-48

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ATTACHMENT 3



051

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard Blackney
 Date of Investigation: 9/26/17

Location: 16600 Block of Rippc Ridge
 Start Time: 12:26 PM

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	no odor
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	

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

052

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard Blackney
 Date of Investigation: 9/26/17

Location: Intersection between Cark Springs and Hiram Clarke
 Start Time: 12:44

Minutes	Odor Intensity VL, L, M, S, VS
1 min	
2	
3	
4	
5	
6	
7	
8	
9	
10	
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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	No odor
45	" "
46	" "
47	" "
48	" "
49	" "
50	" "
51	" "
52	" "
53	" "
54	" "
55	" "
56	" "
57	" "
58	" "
59	" "
60	

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

053

Supplemental Investigator's Odor Intensity Time Log

Investigator: Richard Blackney Location: 300 Block of Riley Rd
 Date of Investigation: 9/26/17 Start Time: 1:11 PM

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	

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

HARP IS EXPIRING

If you owe less than \$300,000 on your home, use Congress's free refi program. The program is totally free and doesn't add any cost to your refi, but it's going to expire. You'll be shocked when you see how much you can save.

RECALCULATE YOUR HOUSE PAYMENT

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- 18-25
- 26-35
- 36-45
- 46-55
- 56-65
- OVER 65**

LoanMyBill.com

Houston Clover, TX

Clover

© 4:08 PM CDT on September 26, 2017 (GMT -0500)

Weather History for KLVJ - September, 2017

September

26

2017

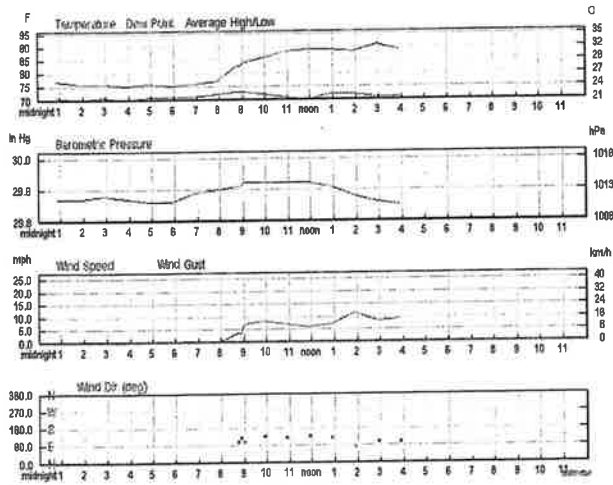
View
Tuesday, September 26, 2017

	Daily	Weekly	Monthly	Custom	Actual	Average (KEFD)	Record (KEFD)
Temperature							
Mean Temperature					83 °F	-	
Max Temperature					91 °F	84 °F	96 °F (2005)
Min Temperature					75 °F	85 °F	51 °F (2000)
Cooling Degree Days					18		
Growing Degree Days					33 (Base 50)		
Moisture							
Dew Point					71 °F		
Average Humidity					71		
Maximum Humidity					87		
Minimum Humidity					52		
Precipitation							
Precipitation					0.00 in	-	-0
Sea Level Pressure							
Sea Level Pressure					29.89 in		
Wind							
Wind Speed					2 mph ()		
Max Wind Speed					12 mph		
Max Gust Speed					17 mph		
Visibility					8.5 miles		

Events
Averages and records for this station are not official NWS values.
T = Trace of Precipitation, MM = Missing Value

Source: Averaged Metar Reports

Daily Weather History Graph



Search for Another Location

Airport or City:

KLVJ

Submit

Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

Date:

September

26

Submit

Astronomy

Sep. 26, 2017

	Rise	Set
Actual Time	7:11 AM CDT	7:12 PM CDT
Civil Twilight	6:47 AM CDT	7:35 PM CDT
Nautical Twilight	6:20 AM CDT	8:03 PM CDT
Astronomical Twilight	5:52 AM CDT	8:31 PM CDT
Moon	12:55 PM CDT	11:47 PM CDT
Length of Visible Light	12h 48m	
Length of Day	12h 00m	

Waxing Crescent, 37% of the Moon is Illuminated

Today	Sep 27	Oct 5	Oct 12	Oct 19
Waxing Crescent	First Quarter	Full	Last Quarter	New

Hourly Weather History & Observations

Time (CDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precp	Events	Conditions
12:53 AM	77.0 °F	-	71.1 °F	82%	29.87 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
1:53 AM	75.9 °F	-	70.0 °F	82%	29.87 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
2:53 AM	75.9 °F	-	71.1 °F	85%	29.88 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
3:53 AM	75.0 °F	-	70.0 °F	84%	29.87 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
4:53 AM	75.0 °F	-	71.1 °F	86%	29.86 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
5:53 AM	75.0 °F	-	71.1 °F	87%	29.85 in	10.0 mi	Calm	Calm	-	N/A	-	Partly Cloudy
6:53 AM	75.9 °F	-	71.1 °F	85%	29.89 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
7:53 AM	77.0 °F	-	72.0 °F	84%	29.90 in	10.0 mi	Calm	Calm	-	N/A	-	Clear
8:46 AM	82.9 °F	88.8 °F	73.0 °F	72%	29.81 in	1.5 mi	ESE	3.5 mph	-	N/A	-	Haze
8:53 AM	82.9 °F	88.8 °F	73.0 °F	72%	29.81 in	0.8 mi	SE	3.5 mph	-	N/A	-	Haze
9:02 AM	84.0 °F	90.2 °F	73.0 °F	80%	29.92 in	3.0 mi	ESE	6.9 mph	-	N/A	-	Haze
9:53 AM	86.0 °F	92.2 °F	72.0 °F	63%	29.92 in	-	SE	8.1 mph	-	N/A	-	Partly Cloudy

Time (CDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
10:53 AM	88.0 °F	93.8 °F	71.1 °F	57%	29.92 in	10.0 mi	SE	6.9 mph		N/A		Mostly Cloudy
11:53 AM	89.1 °F	94.1 °F	70.0 °F	53%	29.92 in	10.0 mi	SE	6.8 mph		N/A		Mostly Cloudy
12:53 PM	89.1 °F	96.0 °F	72.0 °F	57%	29.91 in	10.0 mi	SE	6.9 mph		N/A		Mostly Cloudy
1:53 PM	88.0 °F	94.7 °F	72.0 °F	59%	29.88 in	10.0 mi	East	11.6 mph		0.00 in		Overcast
2:53 PM	91.0 °F	97.6 °F	71.1 °F	52%	29.86 in	10.0 mi	ESE	8.1 mph	17.3 mph	N/A		Clear
3:53 PM	89.1 °F	95.0 °F	71.1 °F	56%	29.85 in	10.0 mi	ESE	9.2 mph		N/A		Partly Cloudy