

Jon Niermann, *Chairman*
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Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 30, 2019

Mr. Tim Telepak, 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 County), Texas
TCEQ MSW Permit No.: 1505A
Investigation No.: 1597324

Dear Mr. Telepak:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office received on September 16, 19, 24, 25 and 26, 2019, requests for assistance regarding the odor at the above-referenced facility. In response to this request, Ms. Naomi Hall, Ms. Mariol Gefers and Mr. Matthew Furman of this office conducted an investigation on September 16-27, 2019. 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 Ms. Naomi Hall at this office (713) 767-3702.

Sincerely,

A handwritten signature in black ink, appearing to read "Carlos R. Romo".

Carlos R. Romo, Team Leader
Waste Section
Houston Region Office

CRR/NGH/na

MSW PA_1505A_CP_20190916_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 # 1597324

Incident Numbers

321173	321155
321160	321149
321167	321153
321170	321162
321171	321156
321174	321157
321309	321154
321766	321582
321176	321172
321164	321158
321151	321746
321168	321165
321147	321159
321152	321166
321169	321148

Investigator: NAOMI HALL

Site Classification TYPE 1

Conducted: 09/16/2019 -- 09/27/2019

NAIC Code: 562212

NAIC Code: 486210

SIC Code: 1521

SIC Code: 4922

SIC Code: 4953

Program(s): MUNICIPAL SOLID WASTE DISPOSAL

Investigation Type: Compliance Investigation

Location: LOCATED ON 2200 FM 521

Additional ID(s): 1505A

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

Local Unit: REGION 12 - HOUSTON

Activity Type(s): MSWCMPL - Investigation of MSW
complaint

Principal(s):

Role

Name

RESPONDENT

BLUE RIDGE LANDFILL TX LP

Contact(s):

BLUE RIDGE LANDFILL - FRESNO

9/16/2019 to 9/27/2019 Inv. # - 1597324

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Role	Title	Name	Phone
PARTICIPATED IN	ENVIRONMENTAL SPECIALIST	MS AMY KUBINSKI	Phone (346) 269-2946 Phone (281) 835-6142 Work (281) 668-9745
PARTICIPATED IN	OPERATIONS MANAGER	MR ZACHARY PEDERSON	
REGULATED ENTITY MAIL CONTACT	ENVIRONMENTAL MANAGER	MR TIM TELEPAK	Work (281) 835-6142
PARTICIPATED IN	DIVISION MANAGER	MR CLINT DICKERSON	Phone (281) 835-6142

Other Staff Member(s):

Role	Name
Supervisor	CARLOS ROMO
QA Reviewer	NADINE BALMACEDA
Investigator	MARIOL GEFERS
Investigator	MATTHEW FURMAN

Associated Check List

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

Investigation Comments:**INTRODUCTION**

On September 16, 19, 24, 25, and 26, 2019, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office Waste Section received 30 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 12, 13, 14, 15, 16, 18, 23, 25 and 26, 2019.

On September 16, 2019, Ms. Ms. Naomi Hall, Environmental Investigator with the TCEQ Houston Region Office Waste Section conducted an unannounced on-site investigation at Blue Ridge Landfill to review operating conditions.

On September 25, 2019, Ms. Mariol Gefers and Mr. Matthew Furman, Environmental Investigators of the TCEQ Houston Region Office Waste Section, conducted an odor survey of the area surrounding the landfill. On September 27, Ms. Hall, conducted an unannounced on-site Odor Complaint Investigation at Blue Ridge Landfill.

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. By letter dated April 10, 2018, the TCEQ Enforcement Division approved BRL Odor Control Plan, thus requiring BRL to implement all provisions of the plan in accordance with the approved schedule.

GENERAL FACILITY AND PROCESS INFORMATION

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 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.

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The waste acceptance hours are Monday through Friday, 4:00 a.m. to 5:00 p.m., and Saturdays from 5:30 a.m. to 12:00 p.m. The surrounding land use includes industrial facilities and residential subdivisions.

Complainant Information:

TCEQ Incident Nos. 321147, 321148, 321149, 321151, 321152, 321153, 321154, 321155, 321156, 321157, 321158, 321159, 321160, 321162, 321164, 321165, 321166, 321167, 321168, 321169, 321170, 321171, 321172, 321173, 321174, 321176, 321309, 321582, 321746, and 321766.

Description of Alleged Effects:

Headaches, nausea, increased health issues, breathing difficulty, nasal irritation, and ocular irritation were described as occurring because of the odors.

Meteorological data at the time of the odor survey:

Date: September 25, 2019

Wind Direction: South/ Southeast

Wind Speed: (average) 6 miles per hour (mph)

Outdoor Temperature: 75 °F

Meteorological data was taken from TCEQ's continuous air monitoring station Manvel Croix Park C84 weather station and the National Oceanic and Atmospheric Administration (NOAA) National Weather Service, weather conditions for Pearland, Texas (Attachment 1).

Odor Survey (OS):

Odor Surveys were conducted on September 25, 2019. Mr. Furman conducted OS No. 1 at 6:43 p.m., upwind of BRL at Vintage View Lane near Shadow Grove Lane in Pearland. No odors were detected during the 60 minutes spent at OS No. 1.

Ms. Gefers conducted OS No. 2 at 6:50 p.m., downwind of BRL at Amy Ridge Road at South Lazy Ridge Drive in Houston. Odors were detected for 2 minutes of the 60 minutes spent at OS No. 2 with a weighted average of very light intensity.

Mr. Furman conducted OS No. 3 at 7:54 p.m., upwind of BRL at Lost Creek Drive near Lost Bridge Lane in Pearland. Meteorological data indicated a northwest wind direction. No odors were detected during the 60 minutes spent at OS No. 3.

Ms. Gefers conducted OS No. 4 at 8:00 p.m., at the 1900 block of Cayman Bend Lane in Pearland. No odors were detected during the 60 minutes spent at OS No. 4.

Ms. Gefers and Mr. Furman conducted OS No. 5 at 9:40 p.m. at Reagents Bay Drive near Kingsley Drive in Pearland. No odors were detected during the 60 minutes spent at OS No. 5.

An aerial view map of the OS location and the OS log are included in Attachment 1.

Summary of the on-site investigation:

On September 16, 2019, Ms. Hall, conducted an unannounced on-site investigation at Blue Ridge Landfill to review operating conditions in response to a high number of complaints which alleged odors to have occurred September 13 -16, 2019. Ms. Hall met with Ms. Amy Kubinski, Environmental Specialist, Mr. Clint Dickerson, Division Manager, Mr. Zachary Pedersen, Operations Manager, and Mr. Tim Telepak, Environmental Manager. The facility representatives informed the investigator that no events had occurred outside of the normal operating conditions, including no erosions or leachate seepage were detected. The investigator obtained a copy of the MSW and Class 1 cover logs for the time period of September 1 to 14, 2019 (Attachment 2). The BRL management team is required to conduct offsite odor detection surveys twice during each business day at locations specified in the Odor Monitoring Plan and maintain a survey completion log. The facility provided the Twice Daily Offsite Odor Survey Log dated from September 13 -15, 2019. No odors were documented as detected by the Nasal Ranger Field Olfactometer (Attachment 2). No flare outages were reported.

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On September 25, 2019, the odor survey was conducted of the area surrounding the landfill by Ms. Gefers and Mr. Furman. On September 27, Ms. Hall, conducted an unannounced on-site Odor Complaint Investigation at Blue Ridge Landfill, and met with Ms. Kubinski, Mr. Pedersen, and Mr. Telepak whom the purpose and scope of the investigation were explained. During the investigation, the BRL facility representatives drove the investigator to the MSW working face and the Class 1 working face, where normal landfill operations were observed in progress. A daily cover of soil is required to limit the amount of refuse exposed to the ambient air. Piles of soil which would be utilized for covering were observed at each working face. No ponded water was found at the working face. The investigator obtained a copy of the MSW and Class 1 cover logs for the time period of September 1 to 26, 2019 (Attachment 2). The cover logs indicate that six (6) inches of soil was applied at the end of each operating day to the Class 1 working face and the MSW working face as required. The investigator observed the solidification pit area and noted that the pits were covered, and no materials were being added, mixed or removed from the units at the time of the investigation. The odor control/odor neutralizing systems located at the MSW working face, the Class 1 working face and the solidification pit were observed in operation. The wind fences were in place and located downwind of the working face.

Description of Odor:

Garbage/ waste odors were detected during the odor survey.

Description of the Effects on the Investigator:

No health effects were experienced by the investigators.

Description of the Terrain Features of the Area:

Terrain is flat with residences and businesses.

Location of the Source of the Odor:

While off-site, Ms. Gefers detected very light intensity garbage/ waste odors downwind of BRL at OS No. 2.

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

The TCEQ Odor Complaint Investigation Procedures FIDO Chart is a method used to provide consistent nuisance determinations and assist in description of odors. The character of an odor is a unique, innate quality of an odor that does not vary with intensity. The FIDO chart characterizes the odor of landfill garbage/waste as "offensive." Landfill garbage/waste odors from BRL were previously detected on September 7, 2019.

CONCLUSION

During the survey, odors were detected in the area, but not of sufficient frequency, intensity, duration, and offensiveness to confirm a nuisance condition. As a result of the investigation conducted on September 16 - 27, 2019, a nuisance condition was not confirmed.

No Violations Associated to this Investigation

Signed

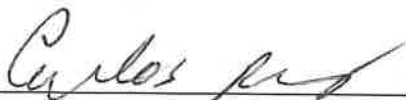


Environmental Investigator

Date

10/21/2019

Signed



Supervisor

Date

10/30/19

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) :

(2) ATTACHMENTS

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 16 - 27, 2019

List of Attachments

- Attachment 1:** Meteorological Information, Map of Odor Survey locations, Odor
Odor Logs
- Attachment 2:** Cover Logs for September 1-16, 2019, Daily Offsite Odor Survey Log

2509 F.L. Hill, Houston, Texas 77055
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ATTACHMENT 1



[XML](#)[Permalink](#)[7 Days](#)[Raw Observations](#)[Only Hourly and Specials](#)[Int. Units](#)[Cloud Column Decoder](#)[FAQ/Data Issues](#)

Weather Conditions For:

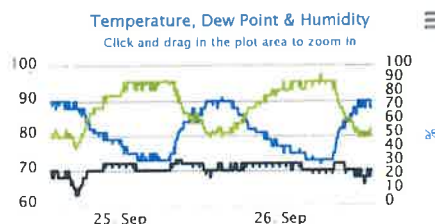
Houston, Pearland Regional Airport, TX. [KLVJ](#) (NWS/FAA - HGX)

Elev: 43 ft.; Lat/Lon: 29.52111/-95.24194

Current Time: Sep 26 1:52 pm CDT

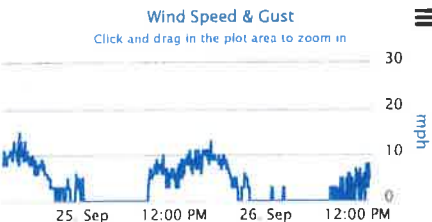
[Get Yearly Precip Total \(non QA/QC'd data\)](#)[Get Water Year Precip Total \(non QA/QC'd data\)](#)

← swipe



(Click to hide)

— Temperature — Dewpoint — Rel Humidity



(Click to hide)

— Speed .. Gust

Date (CDT)	Temp (F)	Dew (F)	Relative Humidity (%)	Wind Direction	Wind Speed (MPH)	Visibility (miles)	Weather	Clouds	Station Pressure (Inches)	Sea Level Pressure (mb)	Altimeter Setting (inches)	1 Hour Precip (inches)	3 Hour Precip (inches)	6 Hour Precip (inches)	6 Hr Precip Max (F)	6 Hr Min (F)	24 Hr Max (F)	24 Hr Min (F)
26 Sep 1:40 pm	88	70	55			10.00	FEW048		29.88		29.93							
26 Sep 1:35 pm	88	68	52	NE	5	8.00	FEW043,FEW050		29.88		29.93							
26 Sep 1:30 pm	90	68	49	ENE	8	8.00	FEW045		29.89		29.94							
26 Sep 1:25 pm	90	68	49	ESE	3	9.00	FEW045		29.89		29.94							
26 Sep 1:20 pm	90	70	52	ENE	3	10.00	FEW042,SCT050		29.89		29.94							
26 Sep 1:15 pm	90	68	49	ENE	6	10.00	FEW043,SCT050		29.89		29.94							
26 Sep 1:10 pm	90	70	52	E	8	10.00	FEW043		29.89		29.94							
26 Sep 1:05 pm	90	68	49	ENE	5	10.00	CLR		29.89		29.94							
26 Sep 1:00 pm	90	68	49	N	CALM	10.00	CLR		29.89		29.94							
26 Sep 12:55 pm	90	68	49	SE	3	10.00	CLR		29.89		29.94							
26 Sep 12:53 pm	89	68	50	SSE	3	10.00	CLR		29.90	1013.9	29.95					90	73	
26 Sep 12:50 pm	88	68	52	E	6	10.00	CLR		29.90		29.95							
26 Sep 12:45 pm	88	66	49	SSE	3	10.00	CLR		29.90		29.95							
26 Sep 12:40 pm	88	66	49	SSE	5	10.00	FEW042		29.91		29.96							
26 Sep 12:35 pm	90	68	49	SSE	5	10.00	FEW042		29.91		29.96							
26 Sep 12:30 pm	88	68	52	N	CALM	10.00	SCT042		29.91		29.96							
26 Sep 12:25 pm	88	68	52	E	3	10.00	SCT042		29.91		29.96							
26 Sep 12:20 pm	90	68	49	ENE	7	10.00	SCT040		29.91		29.96							
26 Sep 12:15 pm	90	68	49	N	CALM	10.00	BKN040		29.91		29.96							
26 Sep 12:10 pm	90	70	52	ENE	3	10.00	BKN038		29.91		29.96							
26 Sep 12:05 pm	90	70	52	ENE	5	10.00	BKN038		29.91		29.96							
26 Sep 12:00 pm	88	68	52	E	6	10.00	BKN036		29.91		29.96							
26 Sep 11:55 am	90	68	49	ENE	6	10.00	BKN036		29.91		29.96							
26 Sep 11:53 am	89	68	50		3	10.00	BKN036		29.91	1014.5	29.96							
26 Sep 11:50 am	90	70	52	ESE	7	10.00	BKN037		29.91		29.96							
26 Sep 11:45 am	90	70	52	ENE	3	10.00	SCT037		29.91		29.96							
26 Sep 11:40 am	88	70	55	N	CALM	10.00	FEW037		29.91		29.96							
26 Sep 11:35 am	88	68	52	N	CALM	10.00	CLR		29.91		29.96							
26 Sep 11:30 am	86	68	55	N	CALM	10.00	CLR		29.91		29.96							
26 Sep 11:25 am	88	68	52	SSE	3	10.00	CLR		29.91		29.96							
26 Sep 11:20 am	88	70	55	E	5	10.00	FEW031		29.91		29.96							
26 Sep 11:15 am	88	68	52	N	CALM	10.00	FEW029		29.91		29.96							
26 Sep 11:10 am	88	70	55	E	3	10.00	FEW029		29.91		29.96							
26 Sep 11:05 am	88	70	55	N	CALM	10.00	SCT029		29.91		29.96							
26 Sep 11:00 am	86	70	59	ESE	6	10.00	SCT029		29.91		29.96							
26 Sep 10:55 am	86	70	59	S	3	10.00	BKN028		29.91		29.96							
26 Sep 10:53 am	86	70	59	N	CALM	10.00	SCT028		29.91	1014.5	29.96							
26 Sep 10:50 am	86	70	59	SE	6	10.00	SCT028		29.91		29.96							
26 Sep 10:45 am	86	70	59	N	CALM	10.00	FEW028		29.91		29.96							
26 Sep 10:40 am	84	70	62	N	CALM	10.00	FEW028		29.91		29.96							

26 Sep 10:35 am	86	70	59	SE	5	10.00	CLR	29.92	29.97
26 Sep 10:30 am	84	70	62	N	CALM	10.00	CLR	29.92	29.97
26 Sep 10:25 am	84	70	62	N	CALM	10.00	CLR	29.92	29.97
26 Sep 10:20 am	84	70	62	N	CALM	10.00	CLR	29.92	29.97
26 Sep 10:15 am	84	70	62	N	CALM	10.00	CLR	29.92	29.97
26 Sep 10:10 am	84	70	62	N	CALM	10.00	CLR	29.91	29.96
26 Sep 10:05 am	84	70	62	E	5	10.00	CLR	29.91	29.96
26 Sep 10:00 am	84	70	62	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:55 am	84	70	62	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:53 am	84	69	61	N	CALM	10.00	CLR	29.91	1014.3 29.96
26 Sep 9:50 am	84	70	62	SE	5	10.00	CLR	29.91	29.96
26 Sep 9:45 am	82	70	66	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:40 am	84	72	66	ESE	3	10.00	CLR	29.91	29.96
26 Sep 9:35 am	84	72	66	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:30 am	84	72	66	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:25 am	82	72	70	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:20 am	82	72	70	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:15 am	82	72	70	ENE	3	10.00	CLR	29.91	29.96
26 Sep 9:10 am	82	72	70	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:05 am	82	72	70	N	CALM	10.00	CLR	29.91	29.96
26 Sep 9:00 am	82	72	70	N	CALM	10.00	CLR	29.91	29.96
26 Sep 8:55 am	81	72	74	ENE	3	10.00	CLR	29.91	29.96
26 Sep 8:53 am	81	72	74	NE	3	10.00	CLR	29.91	1014.3 29.96
26 Sep 8:50 am	81	72	74	NE	3	10.00	CLR	29.91	29.96
26 Sep 8:45 am	81	72	74	ENE	3	10.00	CLR	29.90	29.95
26 Sep 8:40 am	79	72	79	ENE	3	10.00	CLR	29.90	29.95
26 Sep 8:35 am	79	72	79	N	CALM	10.00	CLR	29.90	29.95
26 Sep 8:30 am	79	72	79	ENE	3	10.00	CLR	29.90	29.95
26 Sep 8:25 am	77	72	83	N	CALM	10.00	CLR	29.90	29.95
26 Sep 8:20 am	77	72	83	N	CALM	10.00	CLR	29.90	29.95
26 Sep 8:15 am	75	72	89	N	CALM	10.00	CLR	29.90	29.95
26 Sep 8:10 am	75	72	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 8:05 am	75	70	83	N	CALM	10.00	CLR	29.89	29.94
26 Sep 8:00 am	75	70	83	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:55 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:53 am	73	69	87	N	CALM	10.00	CLR	29.89	1013.7 29.94
26 Sep 7:50 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:45 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:40 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:35 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:30 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 7:25 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:20 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:15 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:10 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 7:05 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 7:00 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:55 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:53 am	73	69	87	N	CALM	10.00	CLR	29.88	1013.5 29.93
26 Sep 6:50 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:45 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 6:40 am	73	70	89	N	CALM	10.00	CLR	29.89	29.94
26 Sep 6:35 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:30 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:25 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:20 am	73	70	89	N	CALM	10.00	CLR	29.88	29.93
26 Sep 6:15 am	73	70	89	N	CALM	10.00	CLR	29.87	29.92
26 Sep 6:10 am	72	70	94	N	CALM	10.00	CLR	29.87	29.92
26 Sep 6:05 am	72	70	94	N	CALM	10.00	CLR	29.87	29.92
26 Sep 6:00 am	73	70	89	N	CALM	10.00	CLR	29.87	29.92
26 Sep 5:55 am	73	70	89	N	CALM	10.00	CLR	29.87	29.92
26 Sep 5:53 am	73	69	87	N	CALM	10.00	CLR	29.87	1012.9 29.92
26 Sep 5:50 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:45 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:40 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:35 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:30 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:25 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:20 am	73	70	89	N	CALM	10.00	CLR	29.86	29.91
26 Sep 5:15 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
26 Sep 5:10 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
26 Sep 5:05 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
26 Sep 5:00 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
26 Sep 4:55 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90

77 72

26 Sep 4:53 am	74	69	85	N	CALM	10.00	CLR	29.85	1012.4	29.90
26 Sep 4:50 am	73	70	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 4:45 am	73	70	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 4:40 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:35 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:30 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:25 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:20 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:15 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:10 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:05 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 4:00 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:55 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:53 am	74	70	87	N	CALM	10.00	CLR	29.84	1012.0	29.89
26 Sep 3:50 am	73	70	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:45 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:40 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:35 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:30 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:25 am	75	70	83	N	CALM	10.00	CLR	29.83		29.88
26 Sep 3:20 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:15 am	75	70	83	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:10 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:05 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 3:00 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 2:55 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 2:53 am	76	71	85	N	CALM	10.00	CLR	29.84	1012.1	29.89
26 Sep 2:50 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 2:45 am	75	72	89	N	CALM	10.00	CLR	29.84		29.89
26 Sep 2:40 am	75	72	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 2:35 am	75	72	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 2:30 am	75	72	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 2:25 am	75	72	89	S	3	10.00	CLR	29.85		29.90
26 Sep 2:20 am	75	72	89	S	3	10.00	CLR	29.85		29.90
26 Sep 2:15 am	75	72	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 2:10 am	75	72	89	N	CALM	10.00	CLR	29.85		29.90
26 Sep 2:05 am	75	72	89	N	CALM	10.00	CLR	29.86		29.91
26 Sep 2:00 am	75	72	89	N	CALM	10.00	CLR	29.86		29.91
26 Sep 1:55 am	75	72	89	N	CALM	10.00	CLR	29.86		29.91
26 Sep 1:53 am	75	70	84	N	CALM	10.00	CLR	29.86	1012.9	29.91
26 Sep 1:50 am	75	70	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:45 am	75	72	89	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:40 am	75	70	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:35 am	75	72	89	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:30 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:25 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:20 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:15 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:10 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:05 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 1:00 am	77	72	83	N	CALM	10.00	CLR	29.87		29.92
26 Sep 12:55 am	77	72	83	SE	3	10.00	CLR	29.87		29.92
26 Sep 12:53 am	77	71	82	N	CALM	10.00	CLR	29.88	1013.2	29.93
26 Sep 12:50 am	77	72	83	SE	3	10.00	CLR	29.88		29.93
26 Sep 12:45 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:40 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:35 am	75	72	89	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:30 am	75	72	89	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:25 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:20 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:15 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:10 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:05 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
26 Sep 12:00 am	77	72	83	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:55 pm	77	72	83	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:53 pm	77	71	82	N	CALM	10.00	CLR	29.88	1013.5	29.93
25 Sep 11:50 pm	77	72	83	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:45 pm	77	72	83	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:40 pm	77	72	83	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:35 pm	77	72	83	N	CALM	10.00	CLR	29.89		29.94
25 Sep 11:30 pm	77	72	83	N	CALM	10.00	CLR	29.89		29.94
25 Sep 11:25 pm	79	72	79	N	CALM	10.00	CLR	29.89		29.94
25 Sep 11:20 pm	79	72	79	N	CALM	10.00	CLR	29.88		29.93
25 Sep 11:15 pm	79	72	79	N	CALM	10.00	CLR	29.88		29.93

85 76 91 73

25 Sep 11:10 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 11:05 pm	77	72	83	N	CALM	10.00	CLR	29.88	29.93
25 Sep 11:00 pm	77	72	83	N	CALM	10.00	CLR	29.89	29.94
25 Sep 10:55 pm	77	72	83	N	CALM	10.00	CLR	29.89	29.94
25 Sep 10:53 pm	77	71	82	N	CALM	10.00	CLR	29.88	1013.6 29.93
25 Sep 10:50 pm	77	72	83	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:45 pm	77	72	83	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:40 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:35 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:30 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:25 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:20 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:15 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:10 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:05 pm	79	72	79	N	CALM	10.00	CLR	29.88	29.93
25 Sep 10:00 pm	81	72	74	N	CALM	10.00	CLR	29.87	29.92
25 Sep 9:55 pm	81	72	74	N	CALM	10.00	CLR	29.87	29.92
25 Sep 9:53 pm	80	71	74	ESE	3	10.00	CLR	29.87	1013.1 29.92
25 Sep 9:50 pm	79	72	79	ESE	3	10.00	CLR	29.87	29.92
25 Sep 9:45 pm	81	72	74	ESE	3	10.00	CLR	29.87	29.92
25 Sep 9:40 pm	81	72	74	ESE	3	10.00	CLR	29.87	29.92
25 Sep 9:35 pm	79	72	79	SE	5	10.00	CLR	29.87	29.92
25 Sep 9:30 pm	81	72	74	SE	5	10.00	CLR	29.87	29.92
25 Sep 9:25 pm	81	72	74	SE	5	10.00	CLR	29.87	29.92
25 Sep 9:20 pm	81	72	74	SE	5	10.00	CLR	29.86	29.91
25 Sep 9:15 pm	81	72	74	SE	6	10.00	CLR	29.86	29.91
25 Sep 9:10 pm	81	72	74	SE	3	10.00	CLR	29.86	29.91
25 Sep 9:05 pm	81	72	74	SE	3	10.00	CLR	29.86	29.91
25 Sep 9:00 pm	81	72	74	ESE	3	10.00	CLR	29.86	29.91
25 Sep 8:55 pm	81	72	74	SE	3	10.00	CLR	29.86	29.91
25 Sep 8:53 pm	81	71	72	SE	3	10.00	CLR	29.86	1012.6 29.91
25 Sep 8:50 pm	81	72	74	N	CALM	10.00	CLR	29.86	29.91
25 Sep 8:45 pm	81	72	74	N	CALM	10.00	CLR	29.85	29.90
25 Sep 8:40 pm	81	72	74	N	CALM	10.00	CLR	29.85	29.90
25 Sep 8:35 pm	81	72	74	N	CALM	10.00	CLR	29.85	29.90
25 Sep 8:30 pm	81	72	74	N	CALM	10.00	CLR	29.85	29.90
25 Sep 8:25 pm	81	72	74	N	CALM	10.00	CLR	29.85	29.90
25 Sep 8:20 pm	81	72	74	SE	3	10.00	CLR	29.84	29.89
25 Sep 8:15 pm	82	72	70	SE	3	10.00	CLR	29.84	29.89
25 Sep 8:10 pm	82	72	70	SE	5	10.00	CLR	29.84	29.89
25 Sep 8:05 pm	82	72	70	SSE	5	10.00	CLR	29.84	29.89
25 Sep 8:00 pm	82	72	70	SSE	5	10.00	CLR	29.84	29.89
25 Sep 7:55 pm	82	72	70	SSE	3	10.00	CLR	29.84	29.89
25 Sep 7:53 pm	82	71	70	SSE	3	10.00	CLR	29.84	1012.0 29.89
25 Sep 7:50 pm	82	72	70	SSE	3	10.00	CLR	29.84	29.89
25 Sep 7:45 pm	82	72	70	SSE	3	10.00	CLR	29.83	29.88
25 Sep 7:40 pm	82	72	70	SSE	5	10.00	CLR	29.83	29.88
25 Sep 7:35 pm	82	72	70	SSE	3	10.00	CLR	29.83	29.88
25 Sep 7:30 pm	82	72	70	SSE	5	10.00	CLR	29.83	29.88
25 Sep 7:25 pm	82	72	70	SSE	5	10.00	CLR	29.83	29.88
25 Sep 7:20 pm	82	72	70	SSE	6	10.00	CLR	29.82	29.87
25 Sep 7:15 pm	82	72	70	SSE	6	10.00	CLR	29.82	29.87
25 Sep 7:10 pm	82	72	70	SSE	7	10.00	CLR	29.83	29.88
25 Sep 7:05 pm	84	72	66	SSE	7	10.00	CLR	29.83	29.88
25 Sep 7:00 pm	84	72	66	SSE	8	10.00	CLR	29.82	29.87
25 Sep 6:55 pm	84	72	66	SSE	7	10.00	CLR	29.82	29.87
25 Sep 6:53 pm	85	71	63	SSE	7	10.00	CLR	29.82	1011.5 29.87
25 Sep 6:50 pm	84	72	66	SSE	9	10.00	CLR	29.82	29.87
25 Sep 6:45 pm	84	72	66	SSE	8	10.00	CLR	29.82	29.87
25 Sep 6:40 pm	84	72	66	SSE	8	10.00	CLR	29.82	29.87
25 Sep 6:35 pm	86	72	62	SE	8	10.00	CLR	29.82	29.87
25 Sep 6:30 pm	86	70	59	SE	10	10.00	CLR	29.82	29.87
25 Sep 6:25 pm	86	72	62	SE	10	10.00	CLR	29.82	29.87
25 Sep 6:20 pm	86	72	62	SSE	8	10.00	CLR	29.82	29.87
25 Sep 6:15 pm	86	72	62	SSE	7	10.00	CLR	29.82	29.87
25 Sep 6:10 pm	86	72	62	SSE	7	10.00	CLR	29.82	29.87
25 Sep 6:05 pm	86	70	59	SE	8	10.00	CLR	29.82	29.87
25 Sep 6:00 pm	86	70	59	SSE	9	10.00	CLR	29.82	29.87
25 Sep 5:55 pm	86	70	59	SSE	9	10.00	CLR	29.82	29.87
25 Sep 5:53 pm	86	70	59	SE	10	10.00	CLR	29.82	1011.4 29.87
25 Sep 5:50 pm	86	70	59	SSE	8	10.00	CLR	29.82	29.87
25 Sep 5:45 pm	86	70	59	SSE	9	10.00	CLR	29.82	29.87
25 Sep 5:40 pm	86	70	59	SSE	9	10.00	CLR	29.82	29.87
25 Sep 5:35 pm	88	70	55	SSE	9	10.00	CLR	29.82	29.87

91 85

25 Sep 5:30 pm	88	70	55	SSE	9	10.00	CLR	29.81	29.86
25 Sep 5:25 pm	88	72	59	S	9	10.00	CLR	29.81	29.86
25 Sep 5:20 pm	88	72	59	S	10	10.00	CLR	29.81	29.86
25 Sep 5:15 pm	88	72	59	SSE	9	10.00	CLR	29.81	29.86
25 Sep 5:10 pm	88	72	59	S	9	10.00	FEW047	29.81	29.86
25 Sep 5:05 pm	88	72	59	S	9	10.00	FEW047	29.81	29.86
25 Sep 5:00 pm	88	70	55	SSE	10	10.00	FEW047	29.81	29.86
25 Sep 4:55 pm	90	70	52	SE	10	10.00	FEW047	29.82	29.87
25 Sep 4:53 pm	88	70	55	SE	11	10.00	FEW047	29.81	1011.2 29.86
25 Sep 4:50 pm	90	70	52	SE	13	10.00	FEW046	29.81	29.86
25 Sep 4:45 pm	88	70	55	S	9	10.00	FEW046	29.81	29.86
25 Sep 4:40 pm	90	70	52	SE	10	10.00	FEW048	29.81	29.86
25 Sep 4:35 pm	90	70	52	SSE	8	10.00	FEW043,SCT050	29.81	29.86
25 Sep 4:30 pm	90	72	56	S	11	10.00	SCT043,SCT050	29.81	29.86
25 Sep 4:25 pm	90	70	52	SSE	9	10.00	FEW043,SCT050	29.82	29.87
25 Sep 4:20 pm	90	70	52	SSE	11	10.00	FEW041,SCT050	29.82	29.87
25 Sep 4:15 pm	90	70	52	SSE	11	10.00	SCT043,BKN050	29.82	29.87
25 Sep 4:10 pm	90	70	52	SE	10	10.00	SCT039,BKN050	29.82	29.87
25 Sep 4:05 pm	90	70	52	SSE	10	10.00	SCT039,BKN050	29.82	29.87
25 Sep 4:00 pm	90	70	52	S	10	10.00	SCT039,BKN050	29.82	29.87
25 Sep 3:55 pm	90	70	52	S	11	10.00	SCT039,BKN055	29.82	29.87
25 Sep 3:53 pm	90	70	52	SSE	10	10.00	BKN039,BKN055	29.82	1011.5 29.87
25 Sep 3:50 pm	90	70	52	SE	11	10.00	BKN039,BKN050,OVC060	29.83	29.88
25 Sep 3:45 pm	90	70	52	SE	10	10.00	BKN039,OVC050	29.83	29.88
25 Sep 3:40 pm	90	70	52	SE	8	10.00	BKN039,OVC055	29.83	29.88
25 Sep 3:35 pm	90	70	52	S	6	10.00	BKN039,OVC050	29.83	29.88
25 Sep 3:30 pm	90	70	52	SSE	8	10.00	BKN039,OVC050	29.83	29.88
25 Sep 3:25 pm	90	70	52	S	10	10.00	BKN039,OVC050	29.83	29.88
25 Sep 3:20 pm	90	70	52	SSE	9	10.00	BKN039,OVC050	29.83	29.88
25 Sep 3:15 pm	91	70	49	S	11	10.00	BKN039,OVC048	29.83	29.88
25 Sep 3:10 pm	90	72	56	ESE	7	10.00	BKN039,OVC048	29.84	29.89
25 Sep 3:05 pm	90	70	52	ESE	9	10.00	BKN039,OVC048	29.84	29.89
25 Sep 3:00 pm	90	72	56	S	8	10.00	OVC039	29.84	29.89
25 Sep 2:55 pm	90	72	56	ESE	7	10.00	OVC039	29.84	29.89
25 Sep 2:53 pm	90	71	54	SE	9	10.00	OVC039	29.84	1012.1 29.89
25 Sep 2:50 pm	90	72	56	SE	11	10.00	OVC040	29.84	29.89
25 Sep 2:45 pm	90	72	56	SE	8	10.00	OVC040	29.84	29.89
25 Sep 2:40 pm	90	72	56	ENE	9	10.00	OVC040	29.84	29.89
25 Sep 2:35 pm	88	70	55	ESE	8	10.00	OVC039	29.84	29.89
25 Sep 2:30 pm	90	70	52	ESE	8	10.00	OVC039	29.84	29.89
25 Sep 2:25 pm	90	70	52	E	6	10.00	OVC039	29.84	29.89
25 Sep 2:20 pm	90	70	52	SSE	9	10.00	BKN039	29.85	29.90
25 Sep 2:15 pm	90	70	52	ESE	7	10.00	BKN039,BKN047	29.85	29.90
25 Sep 2:10 pm	90	70	52	SE	9	10.00	BKN042,BKN050	29.85	29.90
25 Sep 2:05 pm	90	70	52	SE	11	10.00	BKN042,BKN050	29.85	29.90
25 Sep 2:00 pm	90	70	52	SSE	9	10.00	SCT042,BKN050	29.85	29.90
25 Sep 1:55 pm	90	70	52	S	8	10.00	SCT042,BKN050	29.85	29.90
25 Sep 1:53 pm	89	70	54	S	9	10.00	SCT042,BKN050	29.85	1012.4 29.90
25 Sep 1:50 pm	90	70	52	SSW	9	10.00	BKN047,BKN060	29.85	29.90
25 Sep 1:45 pm	90	70	52	S	10	10.00	BKN045,BKN060	29.85	29.90
25 Sep 1:40 pm	90	70	52	SSE	8	10.00	SCT045,SCT055	29.85	29.90
25 Sep 1:35 pm	90	68	49	SSE	9	10.00	SCT041,BKN050	29.86	29.91
25 Sep 1:30 pm	90	68	49	SE	8	10.00	SCT041,BKN050	29.86	29.91
25 Sep 1:25 pm	90	70	52	S	8	10.00	FEW039,SCT055	29.86	29.91
25 Sep 1:20 pm	90	70	52	S	6	10.00	FEW039,BKN050	29.86	29.91
25 Sep 1:15 pm	90	70	52	ESE	9	10.00	SCT037,BKN050	29.86	29.91
25 Sep 1:10 pm	90	70	52	SSE	6	10.00	SCT037,BKN049	29.87	29.92
25 Sep 1:05 pm	90	70	52	ESE	5	10.00	SCT037,BKN049	29.87	29.92
25 Sep 1:00 pm	90	70	52	SSE	9	10.00	SCT037,BKN048,BKN055	29.87	29.92
25 Sep 12:55 pm	90	70	52	S	7	10.00	BKN037,BKN048,OVC055	29.87	29.92
25 Sep 12:53 pm	89	69	52	S	8	10.00	BKN037,BKN048,OVC055	29.87	1013.2 29.92
25 Sep 12:50 pm	90	70	52	SSE	8	10.00	BKN037,BKN046,OVC055	29.88	29.93
25 Sep 12:45 pm	88	70	55	SE	5	10.00	SCT037,BKN046,OVC055	29.88	29.93
25 Sep 12:40 pm	88	70	55	ESE	8	10.00	SCT037,BKN046,OVC055	29.88	29.93
25 Sep 12:35 pm	88	70	55	ESE	3	10.00	SCT035,BKN046,OVC060	29.88	29.93
25 Sep 12:30 pm	88	70	55	S	7	10.00	BKN035,BKN044,OVC050	29.88	29.93
25 Sep 12:25 pm	88	72	59	S	3	10.00	SCT035,BKN044,OVC060	29.89	29.94
25 Sep 12:20 pm	88	72	59	SSW	3	10.00	SCT035,BKN044,BKN055	29.89	29.94
25 Sep 12:15 pm	86	72	62	SSW	3	10.00	SCT035,BKN044,BKN055	29.89	29.94
25 Sep 12:10 pm	86	72	62	WSW	6	10.00	SCT035,BKN044,BKN050	29.89	29.94
25 Sep 12:05 pm	88	72	59	SSW	5	10.00	SCT035,SCT042,BKN050	29.89	29.94
25 Sep 12:00 pm	86	72	62	S	5	10.00	SCT035,BKN050	29.89	29.94
25 Sep 11:55 am	86	72	62	SW	7	10.00	SCT033,SCT039,BKN055	29.90	29.95
25 Sep 11:53 am	86	71	61	SSW	6	10.00	SCT033,BKN050	29.90	1013.9 29.95

89 73

25 Sep 11:50 am	86	72	62	S	6	10.00	FEW030,SCT035,BKN050	29.90		29.95
25 Sep 11:45 am	86	72	62	S	6	10.00	SCT030,BKN035,BKN050	29.90		29.95
25 Sep 11:40 am	86	72	62	S	7	10.00	BKN030,OVC050	29.90		29.95
25 Sep 11:35 am	84	72	66	S	5	10.00	BKN030,OVC035	29.90		29.95
25 Sep 11:30 am	86	72	62	SW	6	10.00	BKN030,BKN038	29.90		29.95
25 Sep 11:25 am	84	72	66	S	6	10.00	BKN030,BKN038	29.90		29.95
25 Sep 11:20 am	84	72	66	SSW	3	10.00	BKN030,BKN041	29.90		29.95
25 Sep 11:15 am	84	72	66	SSW	6	10.00	BKN030,BKN041	29.90		29.95
25 Sep 11:10 am	86	72	62	ESE	5	10.00	SCT030,BKN038	29.90		29.95
25 Sep 11:05 am	88	72	59	SE	7	10.00	SCT030,BKN037	29.90		29.95
25 Sep 11:00 am	86	72	62	S	3	10.00	SCT028,BKN034	29.90		29.95
25 Sep 10:55 am	86	72	62	S	7	10.00	SCT028,BKN034	29.90		29.95
25 Sep 10:53 am	86	71	61		7	10.00	SCT028,BKN034	29.90	1014.1	29.95
25 Sep 10:50 am	88	72	59	SE	7	10.00	SCT028,BKN034	29.90		29.95
25 Sep 10:45 am	86	72	62	SE	7	10.00	SCT026,BKN034	29.90		29.95
25 Sep 10:40 am	86	72	62	ESE	6	10.00	SCT026	29.90		29.95
25 Sep 10:35 am	86	72	62	SE	10	10.00	SCT024	29.90		29.95
25 Sep 10:30 am	86	72	62	SSE	9	10.00	FEW024	29.90		29.95
25 Sep 10:25 am	84	72	66	SSE	6	10.00	SCT024	29.90		29.95
25 Sep 10:20 am	86	72	62	SE	8	10.00	SCT024	29.90		29.95
25 Sep 10:15 am	84	72	66	SE	8	10.00	SCT024	29.90		29.95
25 Sep 10:10 am	84	72	66	SSE	7	10.00	SCT024	29.90		29.95
25 Sep 10:05 am	84	72	66	SSE	7	10.00	FEW022	29.90		29.95
25 Sep 10:00 am	84	72	66	SE	7	10.00	FEW022	29.90		29.95
25 Sep 9:55 am	84	72	66	SE	8	10.00	FEW022	29.90		29.95
25 Sep 9:53 am	84	72	67	SE	8	10.00	FEW022	29.90	1014.0	29.95
25 Sep 9:50 am	84	72	66	SE	6	10.00	CLR	29.90		29.95
25 Sep 9:45 am	84	72	66	SSE	9	10.00	CLR	29.90		29.95
25 Sep 9:40 am	84	72	66	SE	8	10.00	CLR	29.90		29.95
25 Sep 9:35 am	84	72	66	SSE	7	10.00	CLR	29.90		29.95
25 Sep 9:30 am	84	72	66	SSE	8	10.00	FEW027	29.89		29.94
25 Sep 9:25 am	82	72	70	SE	6	10.00	FEW027	29.89		29.94
25 Sep 9:20 am	82	72	70	SE	6	10.00	FEW027	29.89		29.94
25 Sep 9:15 am	82	72	70	SE	6	10.00	FEW027	29.89		29.94
25 Sep 9:10 am	82	73	74	SE	5	10.00	CLR	29.90		29.95
25 Sep 9:05 am	82	73	74	SE	5	10.00	CLR	29.89		29.94
25 Sep 9:00 am	82	73	74	SE	7	10.00	CLR	29.89		29.94
25 Sep 8:55 am	81	73	79	SE	7	10.00	CLR	29.89		29.94
25 Sep 8:53 am	81	73	77	ESE	7	10.00	CLR	29.89	1013.6	29.94
25 Sep 8:50 am	81	73	79	SE	6	10.00	CLR	29.89		29.94
25 Sep 8:45 am	81	73	79	SE	5	10.00	CLR	29.88		29.93
25 Sep 8:40 am	81	72	74	ESE	3	10.00	CLR	29.88		29.93
25 Sep 8:35 am	79	73	84	N	CALM	10.00	CLR	29.88		29.93
25 Sep 8:30 am	79	73	84	N	CALM	10.00	CLR	29.88		29.93
25 Sep 8:25 am	79	73	84	N	CALM	10.00	CLR	29.88		29.93
25 Sep 8:20 am	79	72	79	N	CALM	10.00	FEW036	29.88		29.93
25 Sep 8:15 am	77	72	83	N	CALM	10.00	FEW036	29.87		29.92
25 Sep 8:10 am	75	72	89	N	CALM	10.00	FEW029,FEW038	29.87		29.92
25 Sep 8:05 am	77	72	83	N	CALM	10.00	FEW029,SCT036	29.87		29.92
25 Sep 8:00 am	75	72	89	N	CALM	10.00	FEW029,SCT036	29.87		29.92
25 Sep 7:55 am	75	72	89	N	CALM	10.00	FEW027,BKN035	29.87		29.92
25 Sep 7:53 am	75	71	88	N	CALM	10.00	SCT032,BKN040	29.87	1012.9	29.92
25 Sep 7:50 am	75	72	89	N	CALM	10.00	BKN032,BKN038	29.86		29.91
25 Sep 7:45 am	75	72	89	N	CALM	10.00	BKN033	29.86		29.91
25 Sep 7:40 am	75	72	89	N	CALM	10.00	BKN029,BKN034	29.86		29.91
25 Sep 7:35 am	75	72	89	N	CALM	10.00	BKN029,BKN035	29.86		29.91
25 Sep 7:34 am	75	71	88	N	CALM	10.00	BKN032	29.86		29.91
25 Sep 7:30 am	73	70	89	N	CALM	10.00	BKN030	29.86		29.91
25 Sep 7:25 am	73	70	89	N	CALM	10.00	BKN029,BKN036	29.86		29.91
25 Sep 7:23 am	74	70	87	N	CALM	10.00	BKN029,BKN036	29.86		29.91
25 Sep 7:20 am	73	70	89	N	CALM	10.00	BKN029,BKN036	29.86		29.91
25 Sep 7:15 am	73	70	89	N	CALM	10.00	SCT029,BKN036	29.86		29.91
25 Sep 7:10 am	73	70	89	N	CALM	10.00	SCT029,BKN036	29.86		29.91
25 Sep 7:05 am	73	70	89	N	CALM	10.00	SCT028	29.86		29.91
25 Sep 7:00 am	73	70	89	N	CALM	10.00	SCT028	29.86		29.91
25 Sep 6:55 am	73	70	89	N	CALM	10.00	SCT028	29.86		29.91
25 Sep 6:53 am	73	70	90	N	CALM	10.00	FEW026	29.86	1012.8	29.91
25 Sep 6:50 am	73	70	89	N	CALM	10.00	FEW026	29.86		29.91
25 Sep 6:45 am	73	70	89	N	CALM	10.00	FEW026	29.86		29.91
25 Sep 6:40 am	73	70	89	N	CALM	10.00	FEW026	29.86		29.91
25 Sep 6:35 am	73	70	89	N	CALM	10.00	CLR	29.86		29.91
25 Sep 6:30 am	73	70	89	N	CALM	10.00	CLR	29.86		29.91
25 Sep 6:25 am	73	70	89	N	CALM	10.00	CLR	29.85		29.90
25 Sep 6:20 am	73	70	89	N	CALM	10.00	CLR	29.85		29.90

77 73

25 Sep 6:15 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 6:10 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 6:05 am	73	70	89	N	CALM	10.00	FEW026	29.85	29.90
25 Sep 6:00 am	73	70	89	N	CALM	10.00	FEW026	29.85	29.90
25 Sep 5:55 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:53 am	74	70	87	N	CALM	10.00	CLR	29.85	1012.4 29.90
25 Sep 5:50 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:45 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:40 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:35 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:30 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:25 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:20 am	75	70	83	N	CALM	10.00	CLR	29.84	29.89
25 Sep 5:15 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 5:10 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 5:05 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 5:00 am	73	70	89	N	CALM	10.00	FEW027	29.84	29.89
25 Sep 4:55 am	75	70	83	N	CALM	10.00	FEW027	29.84	29.89
25 Sep 4:53 am	75	70	84	N	CALM	10.00	FEW027,FEW035	29.84	1012.2 29.89
25 Sep 4:50 am	75	70	83	N	CALM	10.00	FEW030,FEW037	29.84	29.89
25 Sep 4:45 am	73	70	89	N	CALM	10.00	FEW029,FEW037	29.84	29.89
25 Sep 4:40 am	73	70	89	N	CALM	10.00	FEW029,FEW041	29.84	29.89
25 Sep 4:35 am	73	70	89	N	CALM	10.00	FEW029,SCT037	29.84	29.89
25 Sep 4:30 am	75	70	83	N	CALM	10.00	FEW029,SCT036	29.84	29.89
25 Sep 4:25 am	73	70	89	N	CALM	10.00	FEW029	29.84	29.89
25 Sep 4:20 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 4:15 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 4:10 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 4:05 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 4:00 am	73	70	89	N	CALM	10.00	FEW030	29.84	29.89
25 Sep 3:55 am	73	70	89	N	CALM	10.00	FEW031	29.84	29.89
25 Sep 3:53 am	74	70	87	N	CALM	10.00	FEW031	29.84	1012.0 29.89
25 Sep 3:50 am	73	70	89	N	CALM	10.00	FEW031	29.84	29.89
25 Sep 3:45 am	73	70	89	N	CALM	10.00	FEW031	29.84	29.89
25 Sep 3:40 am	73	70	89	N	CALM	10.00	FEW029	29.84	29.89
25 Sep 3:35 am	73	70	89	N	CALM	10.00	FEW029	29.84	29.89
25 Sep 3:30 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 3:25 am	75	70	83	N	CALM	10.00	CLR	29.84	29.89
25 Sep 3:20 am	73	70	89	N	CALM	10.00	CLR	29.84	29.89
25 Sep 3:15 am	75	70	83	N	CALM	10.00	CLR	29.84	29.89
25 Sep 3:10 am	75	70	83	N	CALM	10.00	CLR	29.84	29.89
25 Sep 3:05 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 3:00 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:55 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:53 am	74	70	87	N	CALM	10.00	CLR	29.85	1012.3 29.90
25 Sep 2:50 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:45 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:40 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:35 am	73	70	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:30 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:25 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:20 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:15 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:10 am	75	70	83	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:05 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 2:00 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 1:55 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 1:53 am	75	71	88	N	CALM	10.00	CLR	29.85	1012.5 29.90
25 Sep 1:50 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 1:45 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 1:40 am	75	72	89	N	CALM	10.00	CLR	29.85	29.90
25 Sep 1:35 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:30 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:25 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:20 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:15 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:10 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 1:05 am	75	72	89	N	CALM	10.00	CLR	29.87	29.92
25 Sep 1:00 am	77	72	83	N	CALM	10.00	CLR	29.87	29.92
25 Sep 12:55 am	77	72	83	N	CALM	10.00	CLR	29.87	29.92
25 Sep 12:53 am	77	71	82	N	CALM	10.00	CLR	29.86	1012.9 29.91
25 Sep 12:50 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:45 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:40 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91

86 76 91 74

25 Sep 12:35 am	75	72	89	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:30 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:25 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:20 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:15 am	77	72	83	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:10 am	79	72	79	N	CALM	10.00	CLR	29.86	29.91
25 Sep 12:05 am	79	72	79	SSE	5	10.00	CLR	29.86	29.91
25 Sep 12:00 am	79	72	79	SE	5	10.00	CLR	29.86	29.91
24 Sep 11:55 pm	79	72	79	SSE	3	10.00	CLR	29.86	29.91
24 Sep 11:53 pm	78	71	79	N	CALM	10.00	CLR	29.87	1012.9 29.92
24 Sep 11:50 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 11:45 pm	79	72	79	SSE	3	10.00	CLR	29.87	29.92
24 Sep 11:40 pm	79	72	79	SE	3	10.00	CLR	29.87	29.92
24 Sep 11:35 pm	79	72	79	SE	5	10.00	CLR	29.87	29.92
24 Sep 11:30 pm	79	72	79	SE	3	10.00	CLR	29.87	29.92
24 Sep 11:25 pm	79	72	79	SE	3	10.00	CLR	29.87	29.92
24 Sep 11:20 pm	79	72	79	SE	3	10.00	CLR	29.86	29.91
24 Sep 11:15 pm	79	72	79	SE	6	10.00	CLR	29.86	29.91
24 Sep 11:10 pm	79	72	79	ESE	3	10.00	CLR	29.86	29.91
24 Sep 11:05 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 11:00 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 10:55 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 10:53 pm	78	71	79	N	CALM	10.00	CLR	29.87	1013.0 29.92
24 Sep 10:50 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 10:45 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 10:40 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 10:35 pm	79	72	79	N	CALM	10.00	CLR	29.86	29.91
24 Sep 10:30 pm	79	72	79	N	CALM	10.00	CLR	29.86	29.91
24 Sep 10:25 pm	79	72	79	ESE	3	10.00	CLR	29.86	29.91
24 Sep 10:20 pm	79	72	79	E	3	10.00	CLR	29.86	29.91
24 Sep 10:15 pm	79	72	79	E	3	10.00	CLR	29.87	29.92
24 Sep 10:10 pm	79	72	79	E	5	10.00	CLR	29.87	29.92
24 Sep 10:05 pm	79	72	79	E	3	10.00	CLR	29.87	29.92
24 Sep 10:00 pm	81	72	74	ESE	3	10.00	CLR	29.87	29.92
24 Sep 9:55 pm	79	72	79	ESE	3	10.00	CLR	29.87	29.92
24 Sep 9:53 pm	79	71	77	N	CALM	10.00	CLR	29.87	1013.0 29.92
24 Sep 9:50 pm	81	72	74	SE	3	10.00	CLR	29.87	29.92
24 Sep 9:45 pm	81	72	74	ESE	3	10.00	CLR	29.87	29.92
24 Sep 9:40 pm	79	72	79	N	CALM	10.00	CLR	29.87	29.92
24 Sep 9:35 pm	79	72	79	ESE	3	10.00	CLR	29.87	29.92
24 Sep 9:30 pm	81	70	70	SE	3	10.00	CLR	29.87	29.92
24 Sep 9:25 pm	81	70	70	SE	3	10.00	CLR	29.87	29.92
24 Sep 9:20 pm	81	70	70	ESE	3	10.00	CLR	29.87	29.92
24 Sep 9:15 pm	81	70	70	SE	3	10.00	CLR	29.87	29.92
24 Sep 9:10 pm	81	70	70	N	CALM	10.00	CLR	29.87	29.92
24 Sep 9:05 pm	81	70	70	N	CALM	10.00	CLR	29.87	29.92
24 Sep 9:00 pm	81	70	70	N	CALM	10.00	CLR	29.87	29.92
24 Sep 8:55 pm	81	70	70	SSE	3	10.00	CLR	29.87	29.92
24 Sep 8:53 pm	80	70	71	SSE	3	10.00	CLR	29.87	1013.0 29.92
24 Sep 8:50 pm	81	70	70	SSE	3	10.00	CLR	29.87	29.92
24 Sep 8:45 pm	81	70	70	SSE	3	10.00	CLR	29.87	29.92
24 Sep 8:40 pm	81	70	70	SSE	3	10.00	CLR	29.87	29.92
24 Sep 8:35 pm	81	70	70	N	CALM	10.00	CLR	29.86	29.91
24 Sep 8:30 pm	81	70	70	SSE	3	10.00	CLR	29.86	29.91
24 Sep 8:25 pm	81	70	70	SE	3	10.00	CLR	29.86	29.91
24 Sep 8:20 pm	81	70	70	SE	3	10.00	CLR	29.86	29.91
24 Sep 8:15 pm	82	70	66	SE	3	10.00	CLR	29.86	29.91
24 Sep 8:10 pm	82	70	66	SE	3	10.00	CLR	29.86	29.91
24 Sep 8:05 pm	81	70	70	SE	3	10.00	CLR	29.86	29.91
24 Sep 8:00 pm	82	70	66	SE	3	10.00	CLR	29.85	29.90
24 Sep 7:55 pm	82	70	66	SE	3	10.00	CLR	29.85	29.90
24 Sep 7:53 pm	82	70	67	SE	5	10.00	CLR	29.85	1012.4 29.90
24 Sep 7:50 pm	82	70	66	SE	5	10.00	CLR	29.85	29.90
24 Sep 7:45 pm	82	70	66	SE	5	10.00	CLR	29.85	29.90
24 Sep 7:40 pm	82	70	66	SE	5	10.00	CLR	29.85	29.90
24 Sep 7:35 pm	82	70	66	SSE	5	10.00	CLR	29.85	29.90
24 Sep 7:30 pm	82	70	66	SE	6	10.00	CLR	29.85	29.90
24 Sep 7:25 pm	84	70	62	SE	6	10.00	CLR	29.85	29.90
24 Sep 7:20 pm	84	70	62	SE	6	10.00	CLR	29.85	29.90
24 Sep 7:15 pm	84	70	62	SE	6	10.00	CLR	29.85	29.90
24 Sep 7:10 pm	84	70	62	SE	6	10.00	CLR	29.85	29.90
24 Sep 7:05 pm	84	70	62	SE	8	10.00	CLR	29.85	29.90
24 Sep 7:00 pm	84	68	58	SE	7	10.00	CLR	29.85	29.90
24 Sep 6:55 pm	84	68	58	SE	7	10.00	CLR	29.85	29.90

24 Sep 6:53 pm	86	68	55	SE	7	10.00	CLR	29.85	1012.3	29.90
24 Sep 6:50 pm	86	68	55	SE	9	10.00	CLR	29.85		29.90
24 Sep 6:45 pm	86	68	55	SE	9	10.00	CLR	29.85		29.90
24 Sep 6:40 pm	88	68	52	SE	8	10.00	CLR	29.85		29.90
24 Sep 6:35 pm	88	68	52	SE	8	10.00	CLR	29.85		29.90
24 Sep 6:30 pm	88	68	52	SE	8	10.00	CLR	29.85		29.90
24 Sep 6:25 pm	88	66	49	SE	7	10.00	CLR	29.85		29.90
24 Sep 6:20 pm	88	66	49	ESE	8	10.00	CLR	29.84		29.89
24 Sep 6:15 pm	86	66	52	E	6	10.00	CLR	29.84		29.89
24 Sep 6:10 pm	88	66	49	E	7	10.00	CLR	29.84		29.89
24 Sep 6:05 pm	88	65	46	E	6	10.00	CLR	29.84		29.89
24 Sep 6:00 pm	88	65	46	E	8	10.00	CLR	29.84		29.89
24 Sep 5:55 pm	88	65	46	E	9	10.00	CLR	29.84		29.89
24 Sep 5:53 pm	87	64	46	E	7	10.00	CLR	29.84	1012.2	29.89
24 Sep 5:50 pm	88	65	46	E	6	10.00	CLR	29.84		29.89
24 Sep 5:45 pm	88	63	43	E	9	10.00	CLR	29.84		29.89
24 Sep 5:40 pm	88	63	43	ESE	9	10.00	CLR	29.84		29.89
24 Sep 5:35 pm	88	63	43	ESE	10	10.00	CLR	29.84		29.89
24 Sep 5:30 pm	88	63	43	E	10	10.00	CLR	29.84		29.89
24 Sep 5:25 pm	90	63	41	ESE	8	10.00	CLR	29.84		29.89
24 Sep 5:20 pm	90	65	43	SE	9	10.00	CLR	29.84		29.89
24 Sep 5:15 pm	88	65	46	E	9	10.00	CLR	29.85		29.90
24 Sep 5:10 pm	88	65	46	SE	8	10.00	CLR	29.85		29.90
24 Sep 5:05 pm	90	65	43	ESE	10	10.00	CLR	29.85		29.90
24 Sep 5:00 pm	88	66	49	ESE	10	10.00	CLR	29.85		29.90
24 Sep 4:55 pm	88	66	49	ESE	10	10.00	CLR	29.85		29.90
24 Sep 4:53 pm	88	67	50	ESE	10	10.00	CLR	29.85	1012.3	29.90
24 Sep 4:50 pm	88	66	49	E	11	10.00	CLR	29.85		29.90
24 Sep 4:45 pm	88	66	49	E	9	10.00	CLR	29.85		29.90
24 Sep 4:40 pm	88	66	49	E	10	10.00	CLR	29.85		29.90
24 Sep 4:35 pm	88	68	52	E	13	10.00	CLR	29.85		29.90
24 Sep 4:30 pm	88	68	52	E	10	10.00	CLR	29.85		29.90
24 Sep 4:25 pm	90	68	49	ESE	9	10.00	CLR	29.85		29.90
24 Sep 4:20 pm	90	70	52	ESE	11	10.00	FEW040	29.85		29.90
24 Sep 4:15 pm	88	68	52	ESE	10	10.00	FEW040	29.86		29.91
24 Sep 4:10 pm	88	68	52	ESE	11	10.00	FEW040	29.86		29.91
24 Sep 4:05 pm	90	68	49	SE	13	10.00	FEW040	29.86		29.91
24 Sep 4:00 pm	88	70	55	E	11	10.00	FEW041	29.86		29.91
24 Sep 3:55 pm	88	70	55	E	10	10.00	FEW041	29.86		29.91
24 Sep 3:53 pm	89	69	52	E	15	10.00	FEW041	29.86	1012.8	29.91
24 Sep 3:50 pm	90	70	52	E	8	10.00	CLR	29.86		29.91
24 Sep 3:45 pm	88	68	52	E	13	10.00	FEW041	29.86		29.91
24 Sep 3:40 pm	90	68	49	ESE	11	10.00	FEW041	29.86		29.91
24 Sep 3:35 pm	90	68	49	E	9	10.00	CLR	29.86		29.91
24 Sep 3:30 pm	90	68	49	SE	11	10.00	FEW041	29.86		29.91
24 Sep 3:25 pm	90	68	49	SE	11	10.00	FEW041	29.87		29.92
24 Sep 3:20 pm	90	68	49	ESE	11	10.00	CLR	29.87		29.92
24 Sep 3:15 pm	90	68	49	SE	11	10.00	CLR	29.87		29.92
24 Sep 3:10 pm	90	68	49	ESE	13	10.00	CLR	29.87		29.92
24 Sep 3:05 pm	90	68	49	ESE	11	10.00	CLR	29.87		29.92
24 Sep 3:00 pm	90	68	49	ESE	9	10.00	CLR	29.87		29.92
24 Sep 2:55 pm	90	68	49	ESE	9	10.00	CLR	29.88		29.93
24 Sep 2:53 pm	89	68	50	ESE	11	10.00	CLR	29.88	1013.3	29.93
24 Sep 2:50 pm	90	68	49	ESE	10	10.00	FEW040	29.88		29.93
24 Sep 2:45 pm	90	68	49	ESE	11	10.00	FEW041	29.88		29.93
24 Sep 2:40 pm	90	70	52	ESE	11	10.00	FEW041	29.88		29.93
24 Sep 2:35 pm	90	70	52	ESE	10	10.00	FEW041	29.88		29.93
24 Sep 2:30 pm	90	70	52	ESE	10	10.00	BKN041	29.88		29.93
24 Sep 2:25 pm	88	70	55	E	10	10.00	SCT041	29.89		29.94
24 Sep 2:20 pm	90	70	52	ESE	10	10.00	SCT042	29.89		29.94
24 Sep 2:15 pm	90	70	52	ESE	8	10.00	SCT042	29.89		29.94
24 Sep 2:10 pm	90	70	52	ESE	8	10.00	BKN042	29.89		29.94
24 Sep 2:05 pm	90	68	49	ESE	8	10.00	BKN042	29.89		29.94
24 Sep 2:00 pm	90	68	49	SE	9	10.00	SCT042	29.90		29.95
24 Sep 1:55 pm	90	68	49	ESE	11	10.00	BKN042	29.90		29.95
24 Sep 1:53 pm	89	68	50	SE	11G20	10.00	BKN042	29.90	1014.1	29.95
24 Sep 1:50 pm	90	70	52	ESE	8	10.00	BKN042	29.90		29.95
24 Sep 1:45 pm	90	70	52	E	8	10.00	BKN042	29.91		29.96

91 86

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.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Find Site: CAMS AQS Description

CAMS 84 Marvel Croix Park C84 **Select a different site**

Month: Day: Year: Time Format: September 25 2019 24 Hour Generate Report Plot Data

☒ Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Manvel Croix Park C84 for **Wednesday, September 25, 2019**. All times shown are in CST.

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, 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.

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Last Modified Tuesday, 30 Jan 2018

Supplemental Investigator's Odor Intensity Time Log

Investigator: Matthew Fulman
Date of Investigation: 9/25/2019

Location: Shadow Grove Ln & Vintage View Ln 29.5539
Start Time: 6:43 -95.4389

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	No odor
13	No odor
14	No odor
15	No odor
16	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
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	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

wind = SSB upwind

29°34'52"N 95°27'41"W

(2)

Supplemental Investigator's Odor Intensity Time Log

Investigator: Marisol Gefers

Location: Amy Ridge Rd & S Lazy Ridge Dr

Date of Investigation: 9/25/19

Start Time: 6:50 - 7:50 pm

Minutes	Odor Intensity VL, L, M, S, VS
1 min	VL
2	VL
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	No Odor
13	No Odor
14	No Odor
15	No Odor
16	No Odor
17	No Odor
18	No Odor
19	No Odor
20	No Odor
21	No Odor
22	No Odor
23	No Odor
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	No Odor
40	No Odor
41	No Odor
42	No Odor
43	No Odor
44	No Odor
45	No Odor
46	No Odor
47	No Odor
48	No Odor
49	No Odor
50	No Odor
51	No Odor
52	No Odor
53	No Odor
54	No Odor
55	No Odor
56	No Odor
57	No Odor
58	No Odor
59	No Odor
60	No Odor

Odor Description: Garbage/Waste

Offensiveness: Highly _____ Offensive ☒ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

	VS	S	M	L	VL	No Odor
1 Min					11	
10 Min						
1 Hour						

wind = SSB
downwind

$$2(1) = 2/60 = 0.03$$

VL odor of methane/garbage for the 1st 2 minutes.

(3)

Supplemental Investigator's Odor Intensity Time Log

29.5690

Investigator: Matthew FurmanLocation: Lost Bridge Ln & Lost Creek Dr.

-95.4351

Date of Investigation: 9/23/2019Start Time: 7:54

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	No odor
13	No odor
14	No odor
15	No odor
16	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
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	No odor
40	No odor
41	No odor
42	No odor
43	No odor
44	No odor
45	No odor
46	No odor
47	No odor
48	No odor
49	No odor
50	No odor
51	No odor
52	No odor
53	No odor
54	No odor
55	No odor
56	No odor
57	No odor
58	No odor
59	No odor
60	No odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

wind = SSE

29° 34' 46" N 95° 25' 52" W

Supplemental Investigator's Odor Intensity Time Log

Investigator: Marcel Grefus
Date of Investigation: 9/25/19

Location: 1900 block of Cayman Bend Lane
Start Time: 8:00 - 9:00

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	No Odor
13	No Odor
14	No Odor
15	No Odor
16	No Odor
17	No Odor
18	No Odor
19	No Odor
20	No Odor
21	No Odor
22	No Odor
23	No Odor
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	No Odor
40	No Odor
41	No Odor
42	No Odor
43	No Odor
44	No Odor
45	No Odor
46	No Odor
47	No Odor
48	No Odor
49	No Odor
50	No Odor
51	No Odor
52	No Odor
53	No Odor
54	No Odor
55	No Odor
56	No Odor
57	No Odor
58	No Odor
59	No Odor
60	No Odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

wind = SSE

Supplemental Investigator's Odor Intensity Time Log

Investigator: Matthew Fulman
Date of Investigation: 9/25/2019

Location: Kingsley Drive & Regent's Bay Drive 29.5710 -95.4058
Start Time: 9:39

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	No odor
13	No odor
14	No odor
15	No odor
16	No odor
17	No odor
18	No odor
19	No odor
20	No odor
21	No odor
22	No odor
23	No odor
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	No odor
40	No Odor
41	No Odor
42	No Odor
43	No Odor
44	No Odor
45	No Odor
46	No Odor
47	No odor
48	No Odor
49	No Odor
50	No Odor
51	No Odor
52	No Odor
53	No Odor
54	No Odor
55	No Odor
56	No Odor
57	No Odor
58	No Odor
59	No Odor
60	No Odor

Odor Description: _____

Offensiveness: Highly _____ Offensive _____ Unpleasant _____ Not Unpleasant _____

Weighted Average Intensity:

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

wind = SSE - BSE

Time	Investigator	Time	Investigator
14:00	Mr. [Name]	14:00	Mr. [Name]
14:05	Mr. [Name]	14:05	Mr. [Name]
14:10	Mr. [Name]	14:10	Mr. [Name]
14:15	Mr. [Name]	14:15	Mr. [Name]
14:20	Mr. [Name]	14:20	Mr. [Name]
14:25	Mr. [Name]	14:25	Mr. [Name]
14:30	Mr. [Name]	14:30	Mr. [Name]
14:35	Mr. [Name]	14:35	Mr. [Name]
14:40	Mr. [Name]	14:40	Mr. [Name]
14:45	Mr. [Name]	14:45	Mr. [Name]
14:50	Mr. [Name]	14:50	Mr. [Name]
14:55	Mr. [Name]	14:55	Mr. [Name]
15:00	Mr. [Name]	15:00	Mr. [Name]
15:05	Mr. [Name]	15:05	Mr. [Name]
15:10	Mr. [Name]	15:10	Mr. [Name]
15:15	Mr. [Name]	15:15	Mr. [Name]
15:20	Mr. [Name]	15:20	Mr. [Name]
15:25	Mr. [Name]	15:25	Mr. [Name]
15:30	Mr. [Name]	15:30	Mr. [Name]
15:35	Mr. [Name]	15:35	Mr. [Name]
15:40	Mr. [Name]	15:40	Mr. [Name]
15:45	Mr. [Name]	15:45	Mr. [Name]
15:50	Mr. [Name]	15:50	Mr. [Name]
15:55	Mr. [Name]	15:55	Mr. [Name]
16:00	Mr. [Name]	16:00	Mr. [Name]
16:05	Mr. [Name]	16:05	Mr. [Name]
16:10	Mr. [Name]	16:10	Mr. [Name]
16:15	Mr. [Name]	16:15	Mr. [Name]
16:20	Mr. [Name]	16:20	Mr. [Name]
16:25	Mr. [Name]	16:25	Mr. [Name]
16:30	Mr. [Name]	16:30	Mr. [Name]
16:35	Mr. [Name]	16:35	Mr. [Name]
16:40	Mr. [Name]	16:40	Mr. [Name]
16:45	Mr. [Name]	16:45	Mr. [Name]
16:50	Mr. [Name]	16:50	Mr. [Name]
16:55	Mr. [Name]	16:55	Mr. [Name]
17:00	Mr. [Name]	17:00	Mr. [Name]

ATTACHMENT 2

Time	Investigator	Time	Investigator
17:00	Mr. [Name]	17:00	Mr. [Name]
17:05	Mr. [Name]	17:05	Mr. [Name]
17:10	Mr. [Name]	17:10	Mr. [Name]
17:15	Mr. [Name]	17:15	Mr. [Name]
17:20	Mr. [Name]	17:20	Mr. [Name]
17:25	Mr. [Name]	17:25	Mr. [Name]
17:30	Mr. [Name]	17:30	Mr. [Name]
17:35	Mr. [Name]	17:35	Mr. [Name]
17:40	Mr. [Name]	17:40	Mr. [Name]
17:45	Mr. [Name]	17:45	Mr. [Name]
17:50	Mr. [Name]	17:50	Mr. [Name]
17:55	Mr. [Name]	17:55	Mr. [Name]
18:00	Mr. [Name]	18:00	Mr. [Name]

COVER APPLICATION LOG

Month / Year: September 2014

Daily Cover	6" Soil	Approved Alternate Daily Cover		Elevation	Inspection Date or Daily Cover	Erosion or Losses Detected	Date of Erosion or Losses Corrected	Corrective Action	Soil Stockpile Required (yd)	Rain (inches) $\geq 0.5"$	Rain (inches)	Intermediate Cover		Final Cover		Inspection Date or Intermediate & Final Cover	Erosion or Losses Detected	Date of Erosion or Losses Corrected	Corrective Action	Final Cover Certification Report Reference	Supervisor Signature
		Grid Area	T ²	Method	MSL	Yes/No	Yes/No	Yes/No				Grid Area	T ²	Method	Grid Area	T ²					
1																					
2	700	18-33	6"	B																	
3	750	18-33	6"	B																	
4	750	18-33	6"	B																	
5	750	18-33	6"	B																	
6	750	18-33	6"	B																	
7	800	18-33	6"	B																	
8																					
9	750	18-33	6"	B																	
10	750	18-33	6"	B																	
11	750	18-33	6"	B																	
12	750	18-33	6"	B																	
13	750	18-33	6"	B																	
14	750	18-33	6"	B																	
15																					
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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 7.7.4 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 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.

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Blue Ridge Landfill, MSW-1505A

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Month / Year: September 2019

CLASS I

Daily Cover	Approved Alternate Daily Cover				Elevation	Inspection Date of Daily Cover ¹	Erosion or Leachate Seep Detected ²	Corrective Action ³	Soil Stockpile Required ⁴ (yd ³)	Rain (inches)	Rain (inches) ≥ 0.5"	Intermediate Cover				Final Cover				Corrective Action ⁵	Final Cover Certification Report Reference	Supervisor Signature ⁶
	AMT ⁷	Grid Area	T ⁸	Method ⁹								AMT ⁷	Grid Area	T ⁸	Method ⁹	AMT ⁷	Grid Area	T ⁸	Method ⁹			
1																						
2	500	N-33	6"	B	48'	✓																
3	500	N-33	6"	B	46'	✓																
4	500	N-33	6"	B	49'	✓																
5	500	N-33	6"	B	53'	✓																
6	500	N-33	6"	B	56'	✓																
7																						
8																						
9	500	N-33	6"	B	60'	✓																
10	500	N-33	6"	B	40'	✓																
11	500	N-33	6"	B	44'	✓																
12	500	N-33	6"	B		✓																
13																						
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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

SQP 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 anticipated 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.

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User	Inspection Started	Route Point	Route	Latitude	Longitude	c	Location comments	Odor Description	Odor Detected	Odor Duration	Odor Intermittent	Nasal Ranger: Dial Reading	Windspeed (mph)	Wind Direction (from)	Wind Direction (from, in Degrees)	Temperature	Relative Humidity (%)	Pressure (in)	Precipitation (in)
blueridgeo	9/13/2019 5:02	1 Off site	29.5777 -95.40821	29.5777	-95.40821	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	75.8	89	30.1	0
blueridgeo	9/13/2019 5:03	2 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading	No reading	3 N	N	350	76	89	30.1	0
blueridgeo	9/13/2019 5:04	3 Off site	29.5601 -95.41745	29.5601	-95.41745	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:06	4 Off site	29.5638 -95.42345	29.5638	-95.42345	No	No	No	No	Not specified	No reading	No reading	1 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:07	5 Off site	29.5607 -95.42507	29.5607	-95.42507	No	No	No	No	Not specified	No reading	No reading	1 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:08	6 Off site	29.5586 -95.43567	29.5586	-95.43567	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:10	7 Off site	29.5654 -95.43651	29.5654	-95.43651	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:11	8 Off site	29.5665 -95.42944	29.5665	-95.42944	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:12	9 Off site	29.5755 -95.42603	29.5755	-95.42603	No	No	No	No	Not specified	No reading	No reading	2 N	N	350	76	88	30.1	0
blueridgeo	9/13/2019 5:14	10 Off site	29.5881 -95.43534	29.5881	-95.43534	No	No	No	No	Not specified	No reading	No reading	1 NNW	NNW	347	76	88	30.1	0
blueridgeo	9/13/2019 5:17	11 Off site	29.5817 -95.45256	29.5817	-95.45256	No	No	No	No	Not specified	No reading	No reading	1 NNW	NNW	347	75.9	88	30.1	0
blueridgeo	9/13/2019 5:18	12 Off site	29.5816 -95.43119	29.5816	-95.43119	No	No	No	No	Not specified	No reading	No reading	1 NNW	NNW	347	75.9	88	30.1	0
blueridgeo	9/13/2019 5:20	13 Off site	29.5684 -95.43704	29.5684	-95.43704	No	No	No	No	Not specified	No reading	No reading	1 NNW	NNW	347	75.9	88	30.1	0
blueridgeo	9/13/2019 5:21	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	1 NNW	NNW	347	75.8	88	30.1	0
blueridgeo	9/13/2019 5:21	15 Off site	29.5544 -95.44443	29.5544	-95.44443	No	No	No	No	Not specified	No reading	No reading	8 ENE	ENE	63	93.3	49	30.1	0
blueridgeo	9/13/2019 15:08	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	7 ENE	ENE	74	93.1	49	30.1	0
blueridgeo	9/13/2019 15:09	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	7 NE	NE	49	93.1	50	30.1	0
blueridgeo	9/13/2019 15:10	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	7 NE	NE	49	93.1	50	30.1	0
blueridgeo	9/13/2019 15:11	13 Off site	29.5684 -95.43704	29.5684	-95.43704	No	No	No	No	Not specified	No reading	No reading	6 NE	NE	54	93.1	50	30.1	0
blueridgeo	9/13/2019 15:11	12 Off site	29.5816 -95.43119	29.5816	-95.43119	No	No	No	No	Not specified	No reading	No reading	6 NE	NE	54	93.1	50	30.1	0
blueridgeo	9/13/2019 15:12	11 Off site	29.5861 -95.43534	29.5861	-95.43534	No	No	No	No	Not specified	No reading	No reading	10 E	E	87	93	50	30.1	0
blueridgeo	9/13/2019 15:17	11 Off site	29.5817 -95.45256	29.5817	-95.45256	No	No	No	No	Not specified	No reading	No reading	10 ENE	ENE	74	92.2	51	30.1	0
blueridgeo	9/13/2019 15:23	9 Off site	29.5755 -95.42603	29.5755	-95.42603	No	No	No	No	Not specified	No reading	No reading	8 SE	SE	126	91.9	52	30.1	0
blueridgeo	9/13/2019 15:27	8 Off site	29.5755 -95.42603	29.5755	-95.42603	No	No	No	No	Not specified	No reading	No reading	6 ESE	ESE	106	92.1	51	30.1	0
blueridgeo	9/13/2019 15:28	7 Off site	29.5654 -95.42944	29.5654	-95.42944	No	No	No	No	Not specified	No reading	No reading	9 E	E	101	92.8	52	30.1	0
blueridgeo	9/13/2019 15:28	6 Off site	29.5654 -95.43651	29.5654	-95.43651	No	No	No	No	Not specified	No reading	No reading	10 ESE	ESE	103	93.9	49	30.1	0
blueridgeo	9/13/2019 15:30	5 Off site	29.5586 -95.43567	29.5586	-95.43567	No	No	No	No	Not specified	No reading	No reading	9 E	E	91	93.4	49	30.1	0
blueridgeo	9/13/2019 15:32	5 Off site	29.5607 -95.42507	29.5607	-95.42507	No	No	No	No	Not specified	No reading	No reading	10 ENE	ENE	65	93.1	50	30.1	0
blueridgeo	9/13/2019 15:36	4 Off site	29.5638 -95.42345	29.5638	-95.42345	No	No	No	No	Not specified	No reading	No reading	11 NE	NE	46	92.9	50	30.1	0
blueridgeo	9/13/2019 15:38	3 Off site	29.5601 -95.41745	29.5601	-95.41745	No	No	No	No	Not specified	No reading	No reading	10 ESE	ESE	109	92.3	50	30.1	0
blueridgeo	9/13/2019 15:40	2 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading	No reading	13 SE	SE	125	92.1	50	30.1	0
blueridgeo	9/13/2019 15:42	1 Off site	29.5777 -95.40821	29.5777	-95.40821	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	81.3	74	30.1	0
blueridgeo	9/13/2019 21:29	2 Off site	29.5777 -95.40821	29.5777	-95.40821	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	81.2	73	30.1	0
blueridgeo	9/13/2019 21:30	2 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	81.2	73	30.1	0
blueridgeo	9/13/2019 21:30	3 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	81.2	73	30.1	0
blueridgeo	9/13/2019 21:31	3 Off site	29.5601 -95.41745	29.5601	-95.41745	No	No	No	No	Not specified	No reading	No reading	2 SSE	SSE	162	81.2	73	30.1	0
blueridgeo	9/13/2019 21:32	4 Off site	29.5638 -95.42345	29.5638	-95.42345	No	No	No	No	Not specified	No reading	No reading	2 SSE	SSE	162	81	74	30.1	0
blueridgeo	9/13/2019 21:34	5 Off site	29.5607 -95.42507	29.5607	-95.42507	No	No	No	No	Not specified	No reading	No reading	2 SSE	SSE	162	80.9	74	30.1	0
blueridgeo	9/13/2019 21:35	6 Off site	29.5586 -95.43567	29.5586	-95.43567	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.9	74	30.1	0
blueridgeo	9/13/2019 21:37	7 Off site	29.5654 -95.43651	29.5654	-95.43651	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.8	74	30.1	0
blueridgeo	9/13/2019 21:38	8 Off site	29.5665 -95.42944	29.5665	-95.42944	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.7	74	30.1	0
blueridgeo	9/13/2019 21:38	9 Off site	29.5755 -95.42603	29.5755	-95.42603	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.7	74	30.1	0
blueridgeo	9/13/2019 21:40	10 Off site	29.5881 -95.43534	29.5881	-95.43534	No	No	No	No	Not specified	No reading	No reading	2 SSE	SSE	162	80.6	74	30.1	0
blueridgeo	9/13/2019 21:41	10 Off site	29.5881 -95.43534	29.5881	-95.43534	No	No	No	No	Not specified	No reading	No reading	2 SSE	SSE	162	80.6	74	30.1	0
blueridgeo	9/13/2019 21:44	11 Off site	29.5817 -95.45256	29.5817	-95.45256	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.6	74	30.1	0
blueridgeo	9/13/2019 21:50	13 Off site	29.5684 -95.43704	29.5684	-95.43704	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.6	74	30.1	0
blueridgeo	9/13/2019 21:50	12 Off site	29.5816 -95.43119	29.5816	-95.43119	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.6	74	30.1	0
blueridgeo	9/13/2019 21:52	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.4	75	30.1	0
blueridgeo	9/13/2019 21:58	15 Off site	29.5544 -95.44443	29.5544	-95.44443	No	No	No	No	Not specified	No reading	No reading	1 SSE	SSE	162	80.4	75	30.1	0
blueridgeo	9/14/2019 2:02	1 Off site	29.5777 -95.40821	29.5777	-95.40821	No	No	No	No	Not specified	No reading	No reading	0	N	246	76.6	85	30.1	0
blueridgeo	9/14/2019 2:02	2 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading	No reading	0	N	246	76.4	85	30.1	0
blueridgeo	9/14/2019 2:08	3 Off site	29.5601 -95.41745	29.5601	-95.41745	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	76.6	85	30.1	0
blueridgeo	9/14/2019 2:16	4 Off site	29.5638 -95.42345	29.5638	-95.42345	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	76.6	85	30.1	0
blueridgeo	9/14/2019 2:17	6 Off site	29.5586 -95.43567	29.5586	-95.43567	No	No	No	No	Not specified	No reading	No reading	2 WSW	WSW	246	76.6	85	30.1	0
blueridgeo	9/14/2019 2:18	7 Off site	29.5654 -95.43651	29.5654	-95.43651	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	76.3	86	30.1	0
blueridgeo	9/14/2019 2:21	8 Off site	29.5665 -95.42944	29.5665	-95.42944	No	No	No	No	Not specified	No reading	No reading	2 WSW	WSW	246	76.2	87	30.1	0
blueridgeo	9/14/2019 2:24	9 Off site	29.5755 -95.42603	29.5755	-95.42603	No	No	No	No	Not specified	No reading	No reading	2 WSW	WSW	246	75.9	86	30.1	0
blueridgeo	9/14/2019 2:25	10 Off site	29.5861 -95.43534	29.5861	-95.43534	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	75.8	86	30.1	0
blueridgeo	9/14/2019 2:31	12 Off site	29.5684 -95.43704	29.5684	-95.43704	No	No	No	No	Not specified	No reading	No reading	0	N	246	75.4	87	30.1	0
blueridgeo	9/14/2019 2:31	13 Off site	29.5816 -95.43119	29.5816	-95.43119	No	No	No	No	Not specified	No reading	No reading	0	N	246	75.4	87	30.1	0
blueridgeo	9/14/2019 2:33	14 Off site	29.5622 -95.43945	29.5622	-95.43945	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	75	88	30.1	0
blueridgeo	9/14/2019 2:39	15 Off site	29.5544 -95.44443	29.5544	-95.44443	No	No	No	No	Not specified	No reading	No reading	1 WSW	WSW	246	74.9	89	30.1	0
blueridgeo	9/14/2019 21:08	1 Off site	29.5777 -95.40821	29.5777	-95.40821	No	No	No	No	Not specified	No reading	No reading	0	N	153	80.5	71	30.1	0
blueridgeo	9/14/2019 21:09	2 Off site	29.5717 -95.41724	29.5717	-95.41724	No	No	No	No	Not specified	No reading								

blueridgeo	9/14/2019 23:26	1 Off site	29.577 -95.40821	No	Not specified	No reading	0	153	77.6	83	30.1	0
blueridgeo	9/14/2019 23:26	2 Off site	29.577 -95.41724	No	Not specified	No reading	0	153	77.7	83	30.1	0
blueridgeo	9/14/2019 23:26	3 Off site	29.5601 -95.41745	No	Not specified	No reading	0	153	77.6	83	30.1	0
blueridgeo	9/14/2019 23:28	4 Off site	29.5601 -95.41745	No	Not specified	No reading	0	153	77.6	83	30.1	0
blueridgeo	9/14/2019 23:29	5 Off site	29.5607 -95.42305	No	Not specified	No reading	0	153	77.3	82	30.1	0
blueridgeo	9/14/2019 23:33	6 Off site	29.5607 -95.42307	No	Not specified	No reading	0	153	77.2	81	30.1	0
blueridgeo	9/14/2019 23:33	7 Off site	29.5596 -95.43567	No	Not specified	No reading	0	153	76.9	83	30.1	0
blueridgeo	9/14/2019 23:38	8 Off site	29.5654 -95.43651	No	Not specified	No reading	0	153	77.1	84	30.1	0
blueridgeo	9/14/2019 23:43	9 Off site	29.5665 -95.42844	No	Not specified	No reading	0	153	77.6	83	30.1	0
blueridgeo	9/14/2019 23:50	10 Off site	29.5755 -95.42803	No	Not specified	No reading	0	153	77.6	83	30.1	0
blueridgeo	9/14/2019 23:55	11 Off site	29.5881 -95.43534	No	Not specified	No reading	0	153	77.3	83	30.1	0
blueridgeo	9/15/2019 00:01	12 Off site	29.5817 -95.45256	No	Not specified	No reading	0	153	77.1	83	30.1	0
blueridgeo	9/15/2019 00:02	13 Off site	29.5816 -95.4319	No	Not specified	No reading	0	153	77.2	85	30.1	0
blueridgeo	9/15/2019 00:09	14 Off site	29.5684 -95.43704	No	Not specified	No reading	0	153	77.2	85	30.1	0
blueridgeo	9/15/2019 00:09	15 Off site	29.5622 -95.43945	No	Not specified	No reading	0	153	77.5	84	30.1	0
blueridgeo	9/15/2019 0:13	2 Off site	29.5544 -95.44443	No	Not specified	No reading	0	153	77.5	84	30.1	0
blueridgeo	9/15/2019 21:11	1 Off site	29.5717 -95.41724	No	Not specified	No reading	2 SE	142	81.5	75	30	0.05
blueridgeo	9/15/2019 21:11	3 Off site	29.577 -95.40821	No	Not specified	No reading	2 SE	142	81.7	75	30	0.05
blueridgeo	9/15/2019 21:13	4 Off site	29.5601 -95.41745	No	Not specified	No reading	2 SE	142	81.3	76	30	0.05
blueridgeo	9/15/2019 21:15	5 Off site	29.5607 -95.42507	No	Not specified	No reading	1 SE	142	81.3	76	30	0.05
blueridgeo	9/15/2019 21:27	7 Off site	29.5654 -95.43651	No	Not specified	No reading	9 ENE	74	81.1	77	30.1	0.05
blueridgeo	9/15/2019 21:27	8 Off site	29.5686 -95.42944	No	Not specified	No reading	21 ENE	66	81.4	74	30.1	0.05
blueridgeo	9/15/2019 21:29	9 Off site	29.5665 -95.42603	No	Not specified	No reading	9 ENE	74	81.1	77	30.1	0.05
blueridgeo	9/15/2019 21:30	10 Off site	29.5755 -95.42603	No	Not specified	No reading	20 ENE	74	81.7	72	30.1	0.05
blueridgeo	9/15/2019 21:33	11 Off site	29.5881 -95.43534	No	Not specified	No reading	13 ENE	66	82	69	30.1	0.05
blueridgeo	9/15/2019 21:34	12 Off site	29.5817 -95.45256	No	Not specified	No reading	17 ENE	87	82.1	69	30.1	0.05
blueridgeo	9/15/2019 21:37	13 Off site	29.5816 -95.4319	No	Not specified	No reading	11 E	74	82	69	30.1	0.05
blueridgeo	9/15/2019 21:40	14 Off site	29.5622 -95.43945	No	Not specified	No reading	9 E	96	81.5	70	30.1	0.05
blueridgeo	9/15/2019 21:43	15 Off site	29.5622 -95.43945	No	Not specified	No reading	7 ESE	110	80.7	71	30.1	0.05
blueridgeo	9/15/2019 21:46		29.5544 -95.44443	No	Not specified	No reading	7 ESE	110	80.7	72	30.1	0.05

COVER APPLICATION LOG CLASS I NON HAZARDOUS

Month / Year: September 2019

CLASS I

Daily Cover	Approved Alternate Daily Cover		Elevation	Inspection Date of Daily Cover ⁴	Erosion or Leachate Seep Detected	Corrective Action ⁵	Soil Stockpile Required ⁷ (yd ³)	Rain (inches) ≥ 0.5"	Rain (inches)	Intermediate Cover		Final Cover		Inspection Date of Intermediate & Final Cover ⁶	Erosion ≥ 4" Detected	Date Erosion Corrected ⁸	Corrective Action ⁹	Final Cover Certification Report Reference	Supervisor Signature ¹⁰
	AMT ¹	Grid Area	T ²	Method ³	Spray-On or Tarps	MSL	Method ³	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³	Grid Area	T ²	Method ³
1																			
2	500	N-33	6"	B	-	42'								✓					
3	500	N-33	6"	B	-	46'								✓					
4	500	N-33	6"	B	-	49'								✓					
5	500	N-33	6"	B	-	53'								✓					
6	500	N-33	6"	B	-	54'								✓					
7																			
8																			
9	500	N-33	6"	B	-	60'								✓					
10	500	N-34	6"	B	-	40'								✓					
11	500	N-34	6"	B	-	44'								✓					
12	500	N-34	6"	B	-	48'								✓					
13	500	N-34	6"	B	-	52'								✓					
14																			
15																			
16	500	N-33	6"	B	-	42'								✓					
17	500	N-33	6"	B	-	46'								✓					
18	500	N-33	6"	B	-	50'								✓					
19	500	N-33	6"	B	-	54'								✓					
20	500	N-33	6"	B	-	58'								✓					
21																			
22																			
23	500	N-33	6"	B	-	42'								✓					
24	500	N-32	6"	B	-	46'								✓					
25	500	N-32	6"	B	-	50'								✓					
26	500	N-32	6"	B	-	54'								✓					
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.

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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 anticipated 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.

COVER APPLICATION LOG

Month / Year: September 201

MSW

Station	Daily Cover			Approved Alternate Daily Cover			Elevation	Inspection Date of Daily Cover ⁶	Erosion or Leachate Seep Detected	Corrective Action ⁴	Soil Stockpile Required ⁷ (yd ³)	Rain (inches)	Rain (inches) $\geq 0.5"$	Intermediate Cover			Final Cover			Inspection Date of Intermediate & Final Cover ⁴	Erosion $\geq 4"$ Detected	Date Erosion Corrected ⁵	Corrective Action ⁴	Month / Year: Final Cover Certification Report Reference	Supervisor Signature ⁸
	AMT ¹	Grid Area	T ²	Method ³	Grid Area	T ²								AMT ¹	Grid Area	T ²	Method ³	Grid Area	T ²						
1							MSL																		
2	700	12.53	6"	B			115-120	✓												✓					
3	750	16.53	6"	B			120-128	✓																	
4	750	16.53	6"	B			110-116	✓																	
5	750	16.53	6"	B			114-121	✓												✓					
6	750	16.53	6"	B			121-125	✓												✓					
7	800	18.53	6"	B			120-123	✓																	
8																									
9	750	16.53	6"	B			110-115	✓																	
10	750	16.53	6"	B			115-119	✓																	
11	750	16.53	6"	B			119-123	✓			0.05														
12	750	16.53	6"	B			123-126	✓																	
13	750	16.53	6"	B			126-129	✓																	
14	400	5.53	6"	B			110-115	✓			0.05									✓					
15																									
16	750	16.53	6"	B			110-116	✓			0.12														
17	750	16.53	6"	B			116-122	✓			0.54	✓													
18	750	16.53	6"	B			122-128	✓			0.66	✓													
19	750	16.53	6"	B			110-116	✓			3.43	✓													
20	750	16.53	6"	B			116-122	✓			0.25														
21	500	4.53	6"	B			122-126	✓																	
22																									
23	750	16.53	6"	B			110-116	✓			0.04									✓		9-23-19	R+G		
24	750	16.53	6"	B			116-122	✓														9-24-19	R+G		
25	750	16.53	6"	B			122-128	✓														9-25-19	R+G		
26	750	16.53	6"	B			114-120	✓																	
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 7.7.4 requires a soil stockpile to be maintained within 1,000 ft of this working face. The amount of soil required is dependent upon the maximum anticipated size of the working face. A 50 yd³ soil stockpile is required within 100ft of the Regulated Asbestos-Containing Material (RACM) disposal area. Signature certifies work accomplished as stated in this Cover Application Log.

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23	Graded & Placed new cover to begin erosion Phase III west slope 01-11/55-60 north slope 00-58/57-60
24	Graded & Placed new cover to begin erosion Phase III north slope 01-11/55-60 Phase II graded east slope 11-14/16-24
25	Graded & Placed new cover to begin erosion Phase III east slope 17-11/55-58
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