

CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

First Quarter 2017



King County

Department of
Natural Resources and Parks
Solid Waste Division

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May 2017

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CHECKLIST FOR GROUNDWATER REPORTING

Municipal Solid Waste Landfills

WAC 173-351-415

Include a signed, completed copy of this checklist with each quarterly and annual report.

Quarterly groundwater reports shall be submitted to the jurisdictional health department and Ecology within 60 days of receipt of analytical data. Annual groundwater reports shall be submitted to the jurisdictional health department and Ecology by April 1 of each year.

1 st ☒ 2 nd ☐ 3 rd ☐ 4 th ☐ YEAR <u>2017</u>	Reference (section, subsection)	Included in this report	Location – page # or appendix #
Quarterly Groundwater Reports: 173-351-415 (2) plus the referenced section			
Statistical calculations and summaries			
Descriptive statistics	420, (1)	☐	
Statistical tests	420, (2)	☒	6
Notification of statistical increase (if applicable)	420, (4)	☒	3
Notification of concentrations above Chapter 173-200 WAC criteria (if any)	430, (4)	☒	21
Static water level readings	415, (2)	☒	App B
Potentiometric surface elevation maps depicting flow direction	415, (2)	☒	App A
Flow rate – calculated	415, (2)	☒	App A
Cation-anion balances	430, (5a)	☒	23
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	☒	4
Trilinear diagrams	430, (5b)	☒	27, 28, 35, 36
Leachate analyses (if sampled and tested)	415, (2)	☒	App B
Data entered into EIM database (date entered:)	415, (3)	☐	
Complete copy of the lab report with chain of custody record.		☐	
Annual Groundwater Reports: 173-351-415 (1) YEAR			
Summary of statistical results and trends	415, (1)	☐	
Summary of groundwater flow rate and direction for the year	415, (1)	☐	
Copy of all potentiometric maps for the year	415, (1)	☐	
Summary geochemical evaluation	415, (1)	☐	
For Quarterly and Annual Reports			
Stamped by a licensed professional	RCW 18.220	☒	

Thomas J. Shave
Signature of Report Author

May 31, 2017
Date

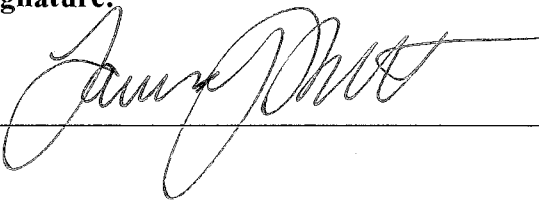
Cedar Hills Regional Landfill
Landfill

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CERTIFICATION

Quarterly Report Groundwater Evaluation Report Certification

I certify in accordance with the requirements of WAC 173-351-400(c) (3), that the contents of this **Cedar Hills Landfill Quarterly Environmental Monitoring Report** were prepared under my direction or supervision under a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Where applicable, some specific and related hydrogeologic portions have been duly certified by the responsible groundwater scientist. Based on my inquiry of the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

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EXPIRES 8-10-2017

**KING COUNTY SOLID WASTE
CEDAR HILLS REGIONAL LANDFILL
QUARTERLY ENVIRONMENTAL MONITORING REPORT**

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Cedar Hills Regional Landfill Summary of Quarterly Environmental Monitoring First Quarter of 2017

This summary contains a discussion of quarterly environmental monitoring results for groundwater, storm water and landfill gas migration monitoring for Cedar Hills Regional Landfill (CHRLF).

Environmental samples were collected and analyzed in accordance with the *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (Dec., 2013)*, (SAP); and the *Quality Assurance Project Plan for Environmental Monitoring at King County Solid Waste Facilities* (QAPP). These plans describe procedures and activities to obtain sufficient and representative quality data to adequately conduct environmental monitoring at the CHRLF and provide documentation.

1.0 Quarterly Results and Analysis

This Section discusses the monitoring results and how they compare to previously collected data at the site.

1.1 Groundwater

Groundwater monitoring well details, locations and monitoring status are presented in Table 1 and Figure 1. Monitoring activities for the first quarter are listed in Table 2.

1.11 Regional Aquifer

A refined conceptual model was developed in the *Cedar Hills Regional Landfill Site Wide Hydrogeologic Report Addendum (Dec., 2013)*. The model fits the site into its regional context of recharge and discharge, provides a detailed look at flow paths within the Regional Aquifer, and defines specific detection zones for each monitoring well. The model provides a thorough evaluation of the monitoring well coverage from the facility waste placement areas and indicates that CHRLF has a sufficient and effective monitoring well network in place. In addition, an alternate groundwater sampling frequency has been implemented for detection groundwater monitoring consistent with WAC 173-351-450 (see SAP, Table 1 and Figure 1).

Regional aquifer analysis results for this quarter are generally consistent with past results, however several background wells continue to show elevated concentrations of several parameters indicating changing water quality upgradient of CHRLF.

For discussion and graphical presentation, monitoring wells are grouped together according to the flow path analysis for the regional aquifer.

Groundwater elevations and potentiometric surfaces are within historical ranges and reflect seasonal responses to precipitation. The Potentiometric Surface Map and Groundwater Flow Analysis Report can be found in Appendix A. Elevations measured this quarter conform to the current hydrogeologic model.

Groundwater samples were analyzed for both dissolved and total metal fractions per

WAC 173-351-430(2)(b)(ii) as revised. However, only total metals results were compared to the water quality standards listed in WAC 173-351-990 Appendix I.

Implementation of the new SAP (as of January 1, 2016) resulted in a reduction in the number of wells that are monitored quarterly.

Primary and Secondary exceedances of regulatory standards are tabulated and presented in Table 3.

Exceedances of the Primary Ground Water Quality Criteria were observed for total arsenic in upgradient and crossgradient wells MW-59 and MW-93, and in downgradient wells MW-68, MW-69, MW-80, and MW-87.

Secondary standards (dissolved iron and dissolved manganese) were exceeded in upgradient and crossgradient wells MW-59 and MW-93 (manganese only), and downgradient wells MW-68, MW-69, MW-72, MW-75, MW-80 and MW-87. These results are consistent with past analyses.

Trilinear Diagrams (Figures 5 and 6) indicate water quality type (hydrochemical facie) based on dissolved ion distribution. The diagrams are useful to recognize spatial variability, potential analytical error or change in hydrochemical facie over time. All regional samples are within the calcium-magnesium-bicarbonate hydrochemical facie. Data are consistent with previous quarters. Ion balance calculations (Table 4) indicate no analytical error in regional aquifer samples as all samples are within 10% on the ion balance.

Intra-well upper prediction limits (UPLs) are calculated annually and have been updated with data collected through the end of 2016. Calculated prediction limits and analytical results for Appendix I parameters are presented in Table 5. Detections above the UPLs are highlighted in red. Upgradient and crossgradient detections greater than UPLs for Appendix I parameters this quarter include: barium in wells MW-59, MW-81 and MW-93; copper in MW-83; vanadium in MW-81; zinc in MW-59 and MW-81 and *cis*-1,2-dichloroethene in MW-59. There are no downgradient detections greater than UPLs this quarter.

These results will be entered into the re-testing protocol described in the *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (Dec, 2013)*.

Previous UPL exceedances that have not yet completed the re-testing protocol include MW-83 for copper and MW-86 for arsenic.

The uncertainty associated with the measurement of an analyte can be greater than the degree of confidence in a UPL exceedance because of noise intrinsic to the analytical methods performed. This is especially true for results that are both close to the UPL and have a low MDL. Arsenic exceedances are an example of such a case. Results that are very close to the UPL are subject to both uncertainty within the calculation of the UPL, and the analytical noise inherent to an analyte with a low target MDL.

To note, extensive laboratory Quality Assurance/Quality Control (QA/QC) measures take place with each sample workgroup to help to limit analyte uncertainty to acceptable pre-determined levels. Post-analysis QC review of laboratory results further controls for systemic and isolated incident errors. However, regardless of these measures taken, uncertainty remains embedded in each resultant analyte value and UPL exceedances are viewed within the context of this framework.

Volatile Organic Compound (VOC) detections in regional aquifer wells this quarter are presented in Table 6. There have been regularly occurring detections of chlorinated VOCs and their breakdown products associated with the upgradient Queen City Farms (QCF) Site. This quarter trichloroethene (TCE) was detected in monitoring wells MW-83, and MW-94 and *cis*-1,2-dichloroethene was detected in MW-59. These upgradient well detections are consistent with past data and indicated continuing migration from QCF.

1.12 Perched Zones

The East Main Hill perched zones (EPZ) are localized areas of shallow subsurface saturation that appear laterally and vertically discontinuous, predominantly within till and lacustrine silts.

In the South Solid Waste Area perched zone (SSWA), perched groundwater occurs in pockets within variable surficial deposits comprised of local alluvium, recessional outwash, and/or weathered till (shallow perched zone) and within melt-out deposits in an overall predominately lodgment till sequence (deeper perched zone).

Groundwater elevations measured during the quarter in the perched zones are within historical ranges. Samples were collected from three EPZ monitoring wells (MW-30A MW-47 and MW-62) and one groundwater extraction well (EW-25). MW-101 near the former SSWA was also sampled. Groundwater quality data perched zones wells collected during the first quarter of 2017 are consistent with previous samples.

Additionally, MW-105 was monitored for specific conductance per the SAP and was found to be consistent with previous characterization (190 umhos/cm).

MW-105 was installed on the south side of the east leachate lagoon to provide a monitoring well in the shallowest perched groundwater zone in the vicinity of the leachate lagoons that will provide early leak detection. If specific conductance shows a statistical increasing trend or exceeds 500 µmhos/cm specific conductance (whichever condition is triggered first), then additional sampling for the Appendix I and II and selected parameter described above will be performed and results assessed with respect to potential leakage from the lagoon.

Exceedances of regulatory standards are tabulated and presented in Table 7. All are consistent with past analyses and known impacts as demonstrated by no prediction limit

exceedances.

Trilinear plots for perched zones samples are all within the calcium-magnesium-bicarbonate hydrochemical facie, as in past samples (Table 8 and Figures 7 and 8). Cation/Anion balances indicate no potential analytical error (greater than 10% ion imbalance) in any perched wells.

As with the regional data, perched zone prediction limits are derived from cumulative data through the end of 2016. Calculated prediction limits for Appendix I parameters along with analytical results are presented in Table 9. Arsenic in MW-47 exceeded the recalculated UPL this quarter.

Volatile Organic Compound detections in the perched zones are presented in Table 10. All are consistent with previous analyses as demonstrated by no prediction limit exceedances.

1.2 Storm Water

Cedar Hills Regional Landfill is covered by an Industrial Stormwater General Permit issued by the Washington State Department of Ecology. The permit defines discharge Benchmarks, applicable to all facilities and Effluent Limits, applicable specifically to landfills. These values are reproduced in Table 15. Stations SW-N4, SW-SL3 and SW-GS1 are the designated points for comparison to permit benchmarks and effluent limits.

Monitoring activities are listed in Table 11. Samples were obtained from designated compliance stations SW-GS1, SW-SL3 and SW-N4 this quarter. No effluent limits were exceeded this quarter.

ISWG Permit Discharge Monitoring Reports (DMRs) are included in Appendix B.

1.3 Landfill Gas

Compliance Probes, On-site Buildings and supplemental Monitoring Probe results and location maps are included in Appendix B.

1.3.1 Compliance Probe Network

A network of compliance probes are monitored for landfill gas migration around the perimeter of the landfill. Probes are monitored by the landfill gas crew monthly to monitor system performance and quarterly for compliance. There were no compliance probe methane detections this quarter.

1.3.2 On-site Building Monitoring

As required by WAC 173-351-200, gas concentrations are monitored inside facility structures. Structures are monitored on a quarterly for methane. No methane was detected this quarter. Location map and monitoring results are presented in Appendix B.

1.3.3 Supplemental Migration Monitoring

Detections above the regulatory limit in landfill gas probe GP-33C in September of 2011 prompted actions including: monitoring frequency increases, operational adjustments to increase LFG recovery rates, off-site structure monitoring and preparation of a response plan.

Operational review resulted in modifications to enhance extraction from unlined areas and under liner spaces that could potentially act as gas conveyance pathways.

The plan resulted in installation of 13 borings targeting the potential zone of LFG migration in the native sediments. Eight borings serve as LFG extraction wells and five as monitoring probes. The extraction wells and interior probes are currently monitored bimonthly. In January, detections of methane above the LEL occurred in west perimeter migration probes MGPW1708 and MGPW1710D. Adjustments were made to adjacent migration control extraction wells and methane concentrations have

remained at or near zero.

Data indicate the system has been effective in controlling LFG migration to the perimeter probes.

Location map and supplemental Monitoring Probe results are included in Appendix B.

2.0 Analytical Methods

Groundwater quality is evaluated by comparison of analysis results to regulatory standards, geochemical analysis and statistical evaluation. Water quality analytical results for surface water runoff discharged from the landfill site are compared to the limits set in the Industrial Stormwater General Permit. Following is a brief description of each.

2.1 Regulatory Standards

Groundwater monitoring results are compared to Washington State Groundwater Quality Criteria, WAC 173-200 (Table 14). Surface water monitoring results are compared to the *Industrial Stormwater General Permit* Benchmark Criteria or WAC 173-201A Water Quality Standards for Surface Waters of the State of Washington.

2.2 Trilinear Diagrams and Major Ion Balance

Geochemical data are presented on trilinear diagrams. Major cations and anions are plotted on individual triangles as percentages of total milliequivalents per liter (meq/L). These diagrams illustrate differences in major ion chemistry between groundwater samples and can be used to categorize water composition into identifiable groups or hydrochemical facies. These hydrochemical facies reflect distinct compositions of cation and anion concentrations. The value of the diagram lies in pointing out relationships that exist among individual samples. Trilinear Diagrams are included with ionic balance calculations in this report. Ion balance calculations are useful for determining analytical correctness and can be of value in detecting laboratory error or variation in field sampling procedures.

2.3 Prediction Limits

A Prediction Limit is a statistical test that compares an analytical result to a computed limit value. The limit value is derived from past analytical results, considered representative historical data. A value outside of this limiting value is considered evidence that the result is not drawn from the same sample population distribution.

At CHRLF, intra-well comparisons present a more conservative approach to determining if a statistically significant release has occurred and is the recommended approach for evaluation of detection monitoring data. In the intra-well approach, a threshold background value is set by determining an UPL. Prediction limits set a comparison threshold for background data with compliance well data and are used to determine if a sample is statistically elevated above background conditions.

The calculated prediction limits are based entirely on intra-well comparisons. All of the prediction limits are one-sided upper prediction limits (UPLs).

UPLs for the subsequent year's detection monitoring are calculated at the end of each year and incorporate the previous year's analytical results.

UPLs are based on a 0.05 significance level, as approved by Ecology to be protective of human health and the environment. A 0.05 significance level indicates that at most there is a 5 percent chance that a Type I error (false positive) will occur in the results.

The method for calculating the UPLs depends on both the type of distribution and the number of non-detects present in the background data set.

UPLs for background data sets with 100 percent non-detects (NDs) are equal to the highest laboratory method detection limit (MDL).

UPLs for background data sets with greater than 50 percent, but less than 100 percent non-detects are calculated based on the highest detected concentration for the respective data set. Although there are alternative methods for calculating UPLs for background data sets with greater than 90 percent, but less than 100 percent non-detects (e.g., Poisson's Method), the use of the highest detected concentration is generally considered to be the most conservative.

UPLs for background data sets with less than 50 percent non-detects are evaluated for normality, as non-parametric data sets are based on the highest detected concentration for the respective data set.

UPLs for either normally distributed or transformed data sets with 0 percent non-detects are calculated based on the following equations used to calculate parametric prediction limits with retesting (*EPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, 2009*):

Normal Distribution

$$\text{UPL} = x + \kappa s$$

or

Transformed Distribution:

$$\text{UPL} = y + \kappa s_y$$

where: x = mean of the baseline data

y = mean of the transformed data

κ = multiplier for intra-well prediction limits

s = standard deviation of baseline data

s_y = standard deviation of transformed data

Analytical results are compared to the respective UPLs on a quarterly/semi-annual basis, depending on the monitoring program, for Appendix I parameters. If there is an exceedance of the UPL, retesting of the respective analytical parameter at the respective location is required in order to determine if the exceedance is representative of a statistically significant increase over background.

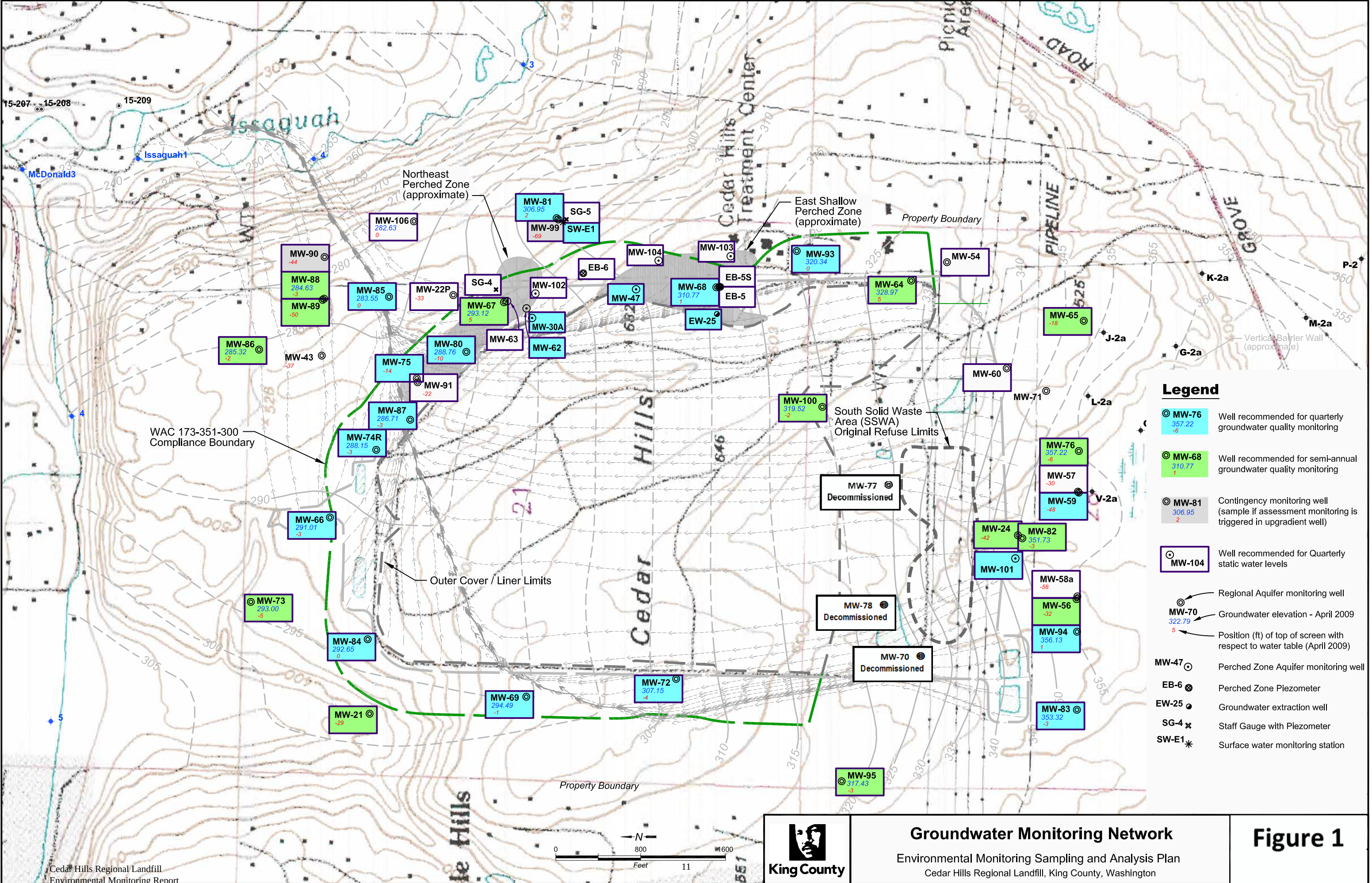
A 1-of-3 retesting plan will be used for any exceedances of the intra-well UPLs at the

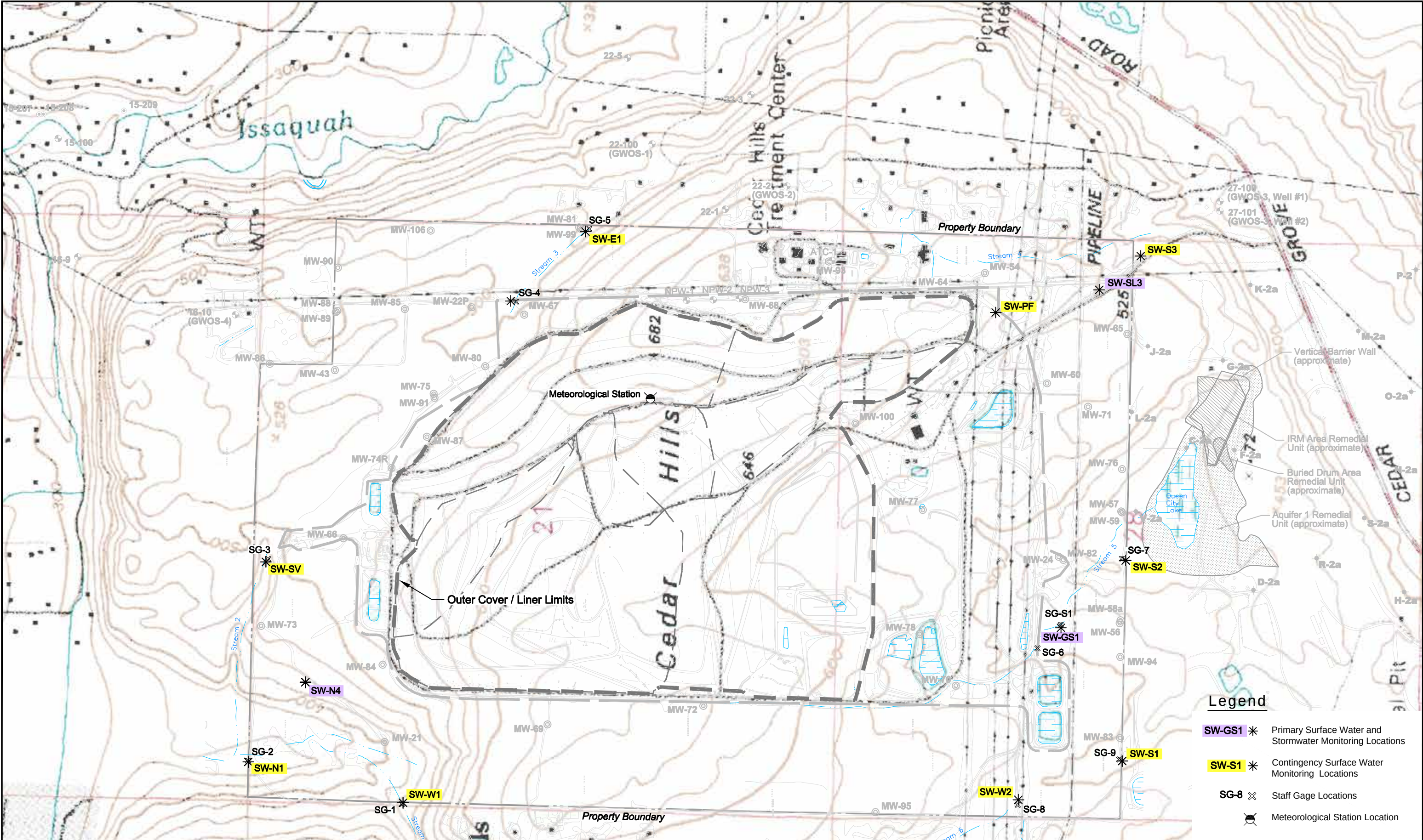
CHRLF. This retesting plan provides adequate statistical power and minimizes Type II (False Negative) errors, while providing retesting that accommodates lab turnaround time, data review, and scheduling.

This test is performed on parameters listed in WAC 173-351-990 Appendix I and is used to detect a change in the population distribution of the individual well.

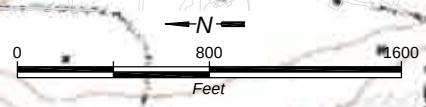
2.4 Laboratory Data Quality

Laboratory analytical data is reviewed to verify meeting data quality objectives (DQOs) as defined in the QAPP. Occasionally, results identified during this process are deemed to be unsuitable for evaluation purposes. A summary of suspect results can be found in Table 16.





Note:
Contingency surface water monitoring locations are for potential use in evaluating WAC 173-201A compliance, should an NPDES exceedance occur at the primary surface water and storm water monitoring locations.

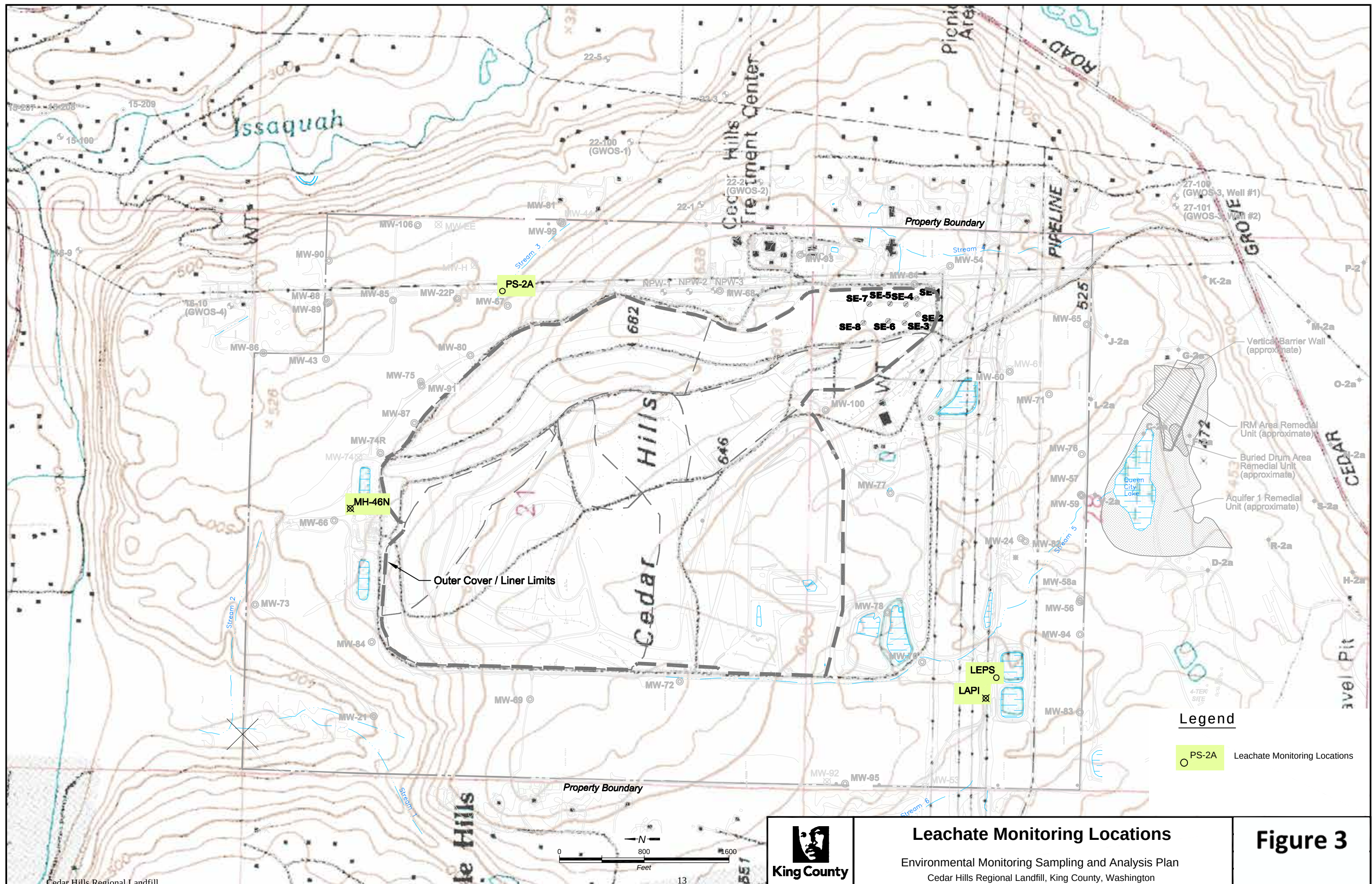


Surface Water and Stormwater Monitoring Network

Environmental Monitoring Sampling and Analysis Plan
Cedar Hills Regional Landfill, King County, Washington

- ### Legend
- SW-GS1** * Primary Surface Water and Stormwater Monitoring Locations
 - SW-S1** * Contingency Surface Water Monitoring Locations
 - SG-8** X Staff Gage Locations
 - Meteorological Station Location

Figure 2



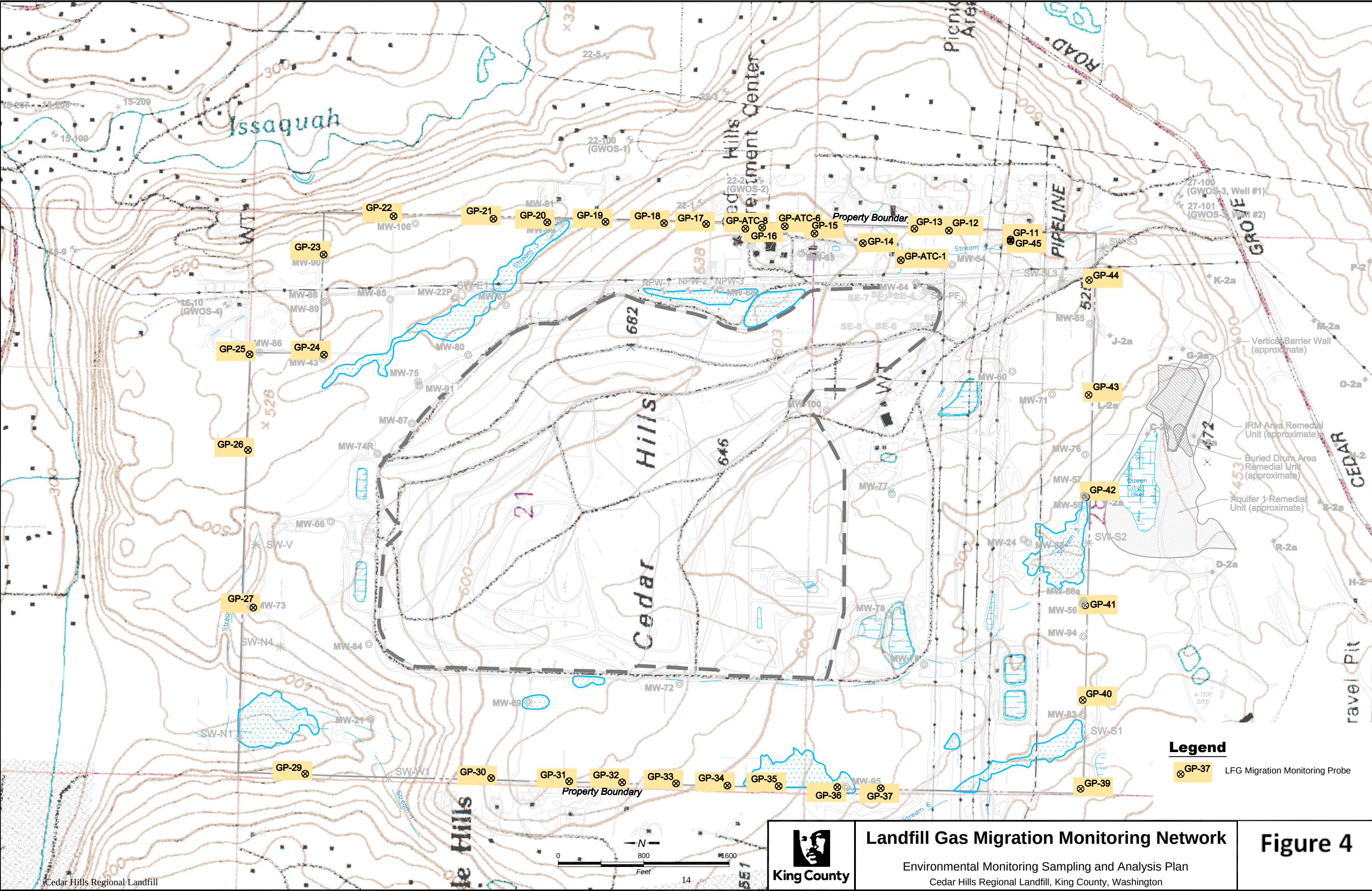


Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Casing Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-21 (Upgradient)	6	163	5/17/83	Deep	Detection	Background	Quarterly	Semi-annual	Monitors background conditions of deep aquifer.
MW-22P (Downgradient)	2	284	5/25/83	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities or background monitoring.
MW-24 (Upgradient)	6	192	6/2/83	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in deep upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-54 (Upgradient)	2	351	9/26/86	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities monitoring as it lies up gradient of the CHRLF facilities. Upgradient water quality monitored in other wells.
MW-56 (Upgradient)	2	166	10/12/88	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for 180 days is estimated at 2.5 ft indicating any releases would be detected with 6 month sample interval. Comparison quarterly and semiannual statistics indicates semiannual sampling does not have significant effect on trend analysis. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-57 (Upgradient)	2	144	8/22/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-59. Strong downward vertical gradients indicate impacts at MW-57 would also be detected at MW-59.
MW-58A (Upgradient)	2	219	9/26/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-56. Strong downward vertical gradients indicate impacts at MW-58A would also be detected at MW-56.
MW-59 (Upgradient)	2	180.5	8/16/88	Deep	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in upgradient well.
MW-60 (Upgradient)	2.5	240	9/13/91	Water Table	Detection	WL only	Quarterly	None	Upgradient flow from QCF in shallow Regional Aquifer characterized by MW-65 and MW-76. Downgradient area monitored by MW-100.
MW-64 (Upgradient)	2.5	274	3/22/93	Water Table	Detection		Quarterly	Semi-annual	Adjacent to SE Pit. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-65 (Upgradient)	2.5	234	3/29/93	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-66 (Upgradient)	2.5	248	4/5/93	Water Table	Detection		Quarterly	Quarterly	Monitor north end leachate detention facilities.
MW-67 (Downgradient)	2.5	230	4/28/93	Water Table	Detection		Quarterly	Semi-annual	Monitors potential EPZ contaminants infiltrating into Regional Aquifer.
MW-68 (Cross-Gradient/Downgradient)	2.5	353	4/15/93	Water Table	Detection		Quarterly	Quarterly	Well is completed adjacent to unlined Main Hill where downward flow from Main Hill and impacted EPZ would be captured. Monitors Main Hill gas effected area.
MW-69 (Downgradient)	2.5	371	4/23/93	Water Table	Detection		Quarterly	Quarterly	West side flow converges in this area and well is upgradient of key downgradient wells.
MW-72 (Downgradient)	2.5	376	8/7/98	Water Table	Detection		Quarterly	Quarterly	Key water quality monitoring well for southwest landfill area.
MW-73 (Upgradient)	4	206	9/3/99	Water Table	Detection	Background	Quarterly	Semi-annual	Background water quality monitoring for northwest facility area. Downgradient flow paths from well largely by-pass facility so provides only general indication of background conditions.
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to elevated chloride.
MW-75 (Downgradient)	4	269	9/24/99	Deep	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-76 (Upgradient)	4	148	10/25/99	Water Table	Detection	Background	Quarterly	Semi-annual	Monitor QCF impacts effecting upgradient water quality in shallow portion of Regional Aquifer. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for 180 days is estimated at 2.5 ft indicating any releases would be detected with 6 month sample interval. Comparison of annual and semiannual statistics indicates semiannual sampling does not have significant effect on trend analysis. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.

Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Casing Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-80 (Downgradient)	4	259	2/27/01	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well for monitoring impacts from unlined Main Hill and EPZ.
MW-81 (Upgradient)	4	192	10/3/02	Water Table	Detection		Quarterly	Quarterly	Monitors ground water quality from off-site area east of facility. Retain as monitoring point to monitor for potential LFG impacts to groundwater. Key well for defining potentiometric divide on east side.
MW-82 (Upgradient)	4	133	11/2/00	Water Table	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in shallow Regional upgradient well. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for 180 days is estimated at 2.5 ft indicating any releases would be detected with 6 month sample interval. Comparison quarterly and semiannual statistics indicates semiannual sampling does not have significant effect on trend analysis. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-83 (Upgradient)	4	154	10/27/00	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-84 (Upgradient)	4	246	10/20/00	Water Table	Detection	Background	Quarterly	Quarterly	Monitor background conditions in shallow regional aquifer
MW-85 (Downgradient)	4	257	12/1/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well with large detection zone underlying waste placement areas. Located in area of convergent groundwater flow and near center of high transmissivity channel.
MW-86 (Downgradient)	4	259	12/12/00	Water Table	Detection		Quarterly	Semi-annual	Provides monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-87 (Downgradient)	4	261	11/21/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-88 (Downgradient)	4	239	9/13/01	Water Table	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-89 (Downgradient)	4	291	11/12/01	Deep	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities in deep Regional Aquifer. Continue monitoring in place of MW-43. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-90 (Downgradient)	4	274	8/14/02	Deep	Assessment		Quarterly	Contingent	Water quality monitoring redundant with MW-89. Reserve as contingency well in event assessment monitoring is triggered in MW-88,89 or 85.
MW-91 (Downgradient)	6	289	10/26/01	Deep	Detection	WL only	Quarterly	None	Large diameter well used for testing. Redundant with well MW-75. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.
MW-93 (Cross Gradient)	4	320	6/24/02	Water Table	Detection		Quarterly	Quarterly	Well monitors the Main Hill gas affected area.
MW-94 (Upgradient)	4	145	7/2/02	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-95 (Cross Gradient)	4	263	7/22/02	Water Table	Detection		Quarterly	Semi-annual	Monitor off-site water quality at south end of facility. Downgradient flow paths poorly defined and may by-pass facility. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.
MW-99 (Upgradient)	4	279	8/30/02	Deep	Assessment		Quarterly	Contingent	Monitors easterly upgradient water quality from offsite. Reserve as contingency well in event assessment monitoring is triggered in MW-81. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.
MW-100 (Downgradient)	4	300	8/26/02	Water Table	Detection		Quarterly	Semi-annual	Well useful for flowpath and geochemical modeling. Assists in tracking QCF contaminant migration through facility. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.
MW-106 (Cross gradient)	4	203	2/19/09	Water Table	Detection	WL only	Quarterly	None	Defines east side flow paths.

Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Casing Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
East Main Hill Perched Zones									
EB-5	2	60	5/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-5S	2	20	6/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-6	2	30	11/28/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down. Well has limited water yield limiting ability to collect samples.
EW-25	6	36	6/10/92	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well. Temporary monitoring point sampled with passive diffusion sampler.
MW-30A	3	35	6/09/89	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-47	2	44	5/31/85	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well.
MW-62	2	54	1/02/90	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-63	2	17	12/02/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-102	2	50	1/27/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-103	2	35	1/28/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-104	2	32	1/29/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
South Solid Waste Area Perched Zone									
MW-101	2	54	6/2/06	SSWA	Assessment		Quarterly	Quarterly	Key SSWA perched zone compliance well

Notes:

(1) The following wells were decommissioned: MW-70, MW-77, MW-78, MW-96 and MW-97 as of 2016.

(2) Shallow wells are wells completed in the Regional Aquifer with the top screen slot within 10 ft of the water table. Deep wells are completed in the Regional Aquifer with the top screen slot greater than 10 ft below the water table.

(3) Water quality monitoring shading relates to Figure 2.

Abbreviations:

WL = Water Level

NA = Not Applicable

DZ = Detection Zone EPZ = East Perched Zone

SSWA = South Solid Waste Area QCF = Queen City Farms

TABLE 2
GROUNDWATER MONITORING ACTIVITIES 1st QUARTER 2017

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
EW-25	Perched	1/6/17	Groundwater Elevation Measurement	NA	
EW-25	Perched	1/23/17	Quarterly Groundwater Sampling	EW25170123-	
MW-21	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-22	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-24	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-25	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-27A	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-28	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-29	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-30A	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-30A	Perched	1/9/17	Quarterly Groundwater Sampling	W30A170109-	
MW-41D	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-41S	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-43	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-45	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-47	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-47	Perched	1/9/17	Quarterly Groundwater Sampling	W47-170109-	
MW-50	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-54	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-55	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-56	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-57	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-58A	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-59	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-59	Regional	1/4/17	Quarterly Groundwater Sampling	W59-170104-	
MW-60	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-62	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-62	Perched	1/10/17	Quarterly Groundwater Sampling	W62-170110-	
MW-63	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-64	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-65	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-66	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-66	Regional	1/18/17	Quarterly Groundwater Sampling	W66-170118-	
MW-67	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-68	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-68	Regional	1/12/17	Quarterly Groundwater Sampling	W68-170112-	
MW-69	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-69	Regional	1/19/17	Quarterly Groundwater Sampling	W69-170119-	
MW-69	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-72	Regional	1/31/17	Quarterly Groundwater Sampling	W72-170131-	
MW-73	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-74	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-74	Regional	1/9/17	Quarterly Groundwater Sampling	W74R170109-	
MW-75	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-75	Regional	1/5/17	Quarterly Groundwater Sampling	W75-170105-	
MW-76	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-79	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-80	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-80	Regional	1/4/17	Quarterly Groundwater Sampling	W80-170104-	
MW-81	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-81	Regional	1/5/17	Quarterly Groundwater Sampling	W81-170105-	
MW-82	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-83	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-83	Regional	1/4/17	Quarterly Groundwater Sampling	W83-170104-	
MW-84	Regional	1/3/17	Groundwater Elevation Measurement	NA	

Damaged

TABLE 2
GROUNDWATER MONITORING ACTIVITIES 1st QUARTER 2017

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-84	Regional	1/9/17	Quarterly Groundwater Sampling	W84-170109-	
MW-85	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-85	Regional	1/4/17	Quarterly Groundwater Sampling	W85-170104-	
MW-86	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-87	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-87	Regional	1/5/17	Quarterly Groundwater Sampling	W87-170105-	
MW-88	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-89	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-90	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-91	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-93	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-93	Regional	1/10/17	Quarterly Groundwater Sampling	W93-170110-	
MW-94	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-94	Regional	1/5/17	Quarterly Groundwater Sampling	W94-170105-	
MW-95	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-98	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-99	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-100	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-101	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-101	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-101	Perched	1/20/17	Quarterly Groundwater Sampling	W101170120-	
MW-102	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-103	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-104	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-105	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-106	Regional	1/3/17	Groundwater Elevation Measurement	NA	
MW-EB5	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	1/3/17	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	1/3/17	Groundwater Elevation Measurement	NA	
WS-NPW-1	Regional	1/3/17	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	1/3/17	Groundwater Elevation Measurement	NA	
Equipment Blank	NA	3/9/17	QA/QC Sample	WU1S170309E	
Equipment Blank	NA	3/9/17	QA/QC Sample	WU1H170309E	
Equipment Blank	NA	1/23/17	QA/QC Sample	EW25170123F	
Field Blank	NA	1/19/17	QA/QC Sample	W69-170119F	

NA = No sample ID assigned, No sample collected.

Table 3
GROUNDWATER CONCENTRATIONS ABOVE WAC 173-200-040 CRITERIA
WATER QUALITY STANDARDS FOR GROUND WATERS OF THE STATE OF WASHINGTON

CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
Arsenic (Total)	(mg/L)	MW-59	1/4/2017	W59-170104-	0.001
		MW-93	1/10/2017	W93-170110-	0.00116
Iron (Dissolved)	(mg/L)	MW-59	1/4/2017	W59-170104-	2.85
Manganese (Dissolved)	(mg/L)	MW-59	1/4/2017	W59-170104-	0.114
		MW-93	1/10/2017	W93-170110-	0.225
Wells Downgradient to Waste Cells and North end Facilities					
Arsenic (Total)	(mg/L)	MW-68	1/12/2017	W68-170112-	0.109
		MW-69	1/19/2017	W69-170119-	0.002
		MW-80	1/4/2017	W80-170104-	0.00609
		MW-87	1/5/2017	W87-170105-	0.0105
Iron (Dissolved)	(mg/L)	MW-68	1/12/2017	W68-170112-	0.448
		MW-69	1/19/2017	W69-170119-	1.08
		MW-72	1/31/2017	W72-170131-	2.35
		MW-75	1/5/2017	W75-170105-	2.09
		MW-80	1/4/2017	W80-170104-	1.82
		MW-87	1/5/2017	W87-170105-	4.16
Manganese (Dissolved)	(mg/L)	MW-68	1/12/2017	W68-170112-	0.289
		MW-69	1/19/2017	W69-170119-	0.254 D
		MW-72	1/31/2017	W72-170131-	0.352
		MW-75	1/5/2017	W75-170105-	0.17
		MW-80	1/4/2017	W80-170104-	0.289
		MW-87	1/5/2017	W87-170105-	0.501

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly Groundwater Monitoring

Data Collected from January 1, 2017 to March 31, 2017

Site ID			Upgradient and Crossgradient																				
			MW-59 1/4/17			MW-83 1/4/17			MW-94 1/5/17			MW-81 1/5/17			MW-84 1/9/17			MW-66 1/18/17			MW-93 1/10/17		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
Calcium	40.1	2	12.6	0.6287425	37.4	52.9	2.6397206	52.0	23.2	1.1576846	47.2	11.0	0.5489022	40.3	12.1	0.60379242	36.0	17.5	0.87325349	36.6	30.5	1.52195609	46.4
Magnesium	24.3	2	8.3	0.6862785	40.8	22.7	1.8679284	36.8	11.3	0.9298498	37.9	6.5	0.530755	39.0	9.5	0.7800864	46.6	14.2	1.16848385	48.9	16.0	1.31660152	40.1
Potassium	39.1	1	1.0	0.0258323	1.5	3.2	0.0808219	1.6	2.1	0.053455	2.2	0.8	0.0208193	1.5	1.1	0.02736692	1.6	1.1	0.02915728	1.2	1.6	0.0409225	1.2
Sodium	23.0	1	5.4	0.2348871	14.0	11.3	0.491523	9.7	7.1	0.308833	12.6	6.0	0.2596807	19.1	6.1	0.26316053	15.7	7.3	0.31666259	13.3	8.9	0.38843364	11.8
Iron	55.8	2	2.85	0.1020646	6.1	0.01	0.0003581	0.0	0.01	0.0003581	0.0	0.01	0.0003581	0.0	0.01	0.00035812	0.0	0.01	0.00035812	0.0	0.01	0.00035812	0.0
Manganese	54.9	2	0.11	0.0041501	0.2	0.00	6.516E-05	0.0	0.00	3.64E-05	0.0	0.00	3.64E-05	0.0	0.00	3.6405E-05	0.0	0.00	3.6405E-05	0.0	0.23	0.00819105	0.2
Ammonia-N	14.0	1	0.01	0.0007139	0.0	0.01	0.0007139	0.0	0.01	0.0007139	0.0	0.01	0.0007139	0.1	0.01	0.00071393	0.0	0.01	0.00071393	0.0	0.05	0.00369815	0.1
Total Cations (meq/L)			1.7			5.1			2.5			1.4			1.7			2.4			3.3		
Anions																							
Alkalinity, Total			66			164			88			52			69			98			123		
Carbonate	60.0	2	0.0316	0.0010534	0.1	0.05543	0.0018478	0.0	0.02913	0.0009712	0.0	0.0469	0.0015634	0.1	0.04321976	0.00144068	0.1	0.07395583	0.00246523	0.1	0.14068819	0.00468967	0.1
Bicarbonate	61.0	1	80.70	1.3227472	73.5	199.97	3.2776578	61.3	107.54	1.762763	72.1	62.86	1.0302813	72.4	83.73	1.37235236	78.6	119.17	1.95324022	82.5	149.77	2.45494014	71.7
Chloride	35.5	1	4.7	0.1314416	7.3	62.9	1.7741799	33.2	17.3	0.48797	20.0	4.7	0.1336981	9.4	3.2	0.0913886	5.2	4.4	0.12523623	5.3	2.6	0.07418272	2.2
Nitrate-N	14.0	1	0.03	0.0019276	0.1	1.58	0.1128007	2.1	1.00	0.0713929	2.9	1.42	0.1013779	7.1	0.18	0.01256515	0.7	0.53	0.03769544	1.6	0.01	0.00071393	0.0
Sulfate	96.1	2	16.5	0.3435439	19.1	8.6	0.1798921	3.4	5.9	0.122843	5.0	7.5	0.1565727	11.0	12.9	0.26858885	15.4	12.0	0.24985009	10.5	42.8	0.89113199	26.0
Total Anions (meq/L)			1.8			5.3			2.4			1.4			1.7			2.4			3.4		
Total Ions (meq/L)			3.5			10.4			4.9			2.8			3.4			4.8			6.7		
Cation/Anion Ratio			0.93			0.95			1.00			0.96			0.96			1.01			0.96		
Percent Difference			-3.4			-2.5			0.1			-2.2			-2.1			0.4			-2.2		
Trilinear Diagram Data																							
sum (Ca, Mg, Na+K)			1.58			5.08			2.45			1.36			1.67			2.39			3.27		
Calcium						39.90			51.96			47.26			40.36			36.06			36.58		
Magnesium						43.55			36.77			37.96			39.02			46.59			48.94		
Sodium + Potassium						16.55			11.27			14.79			20.62			17.35			14.48		
															100.0								
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			1.80			5.23			2.37			1.32			1.73			2.33			3.42		
Sulfate						19.099			3.437			5.173			11.843			15.492			10.720		
Chloride						7.307			33.900			20.550			10.112			5.271			5.373		
Bicarbonate + Carbonate						73.594			62.663			74.277			78.045			79.237			83.907		
															100.0								

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly Groundwater Monitoring

Data Collected from January 1, 2017 to March 31, 2017

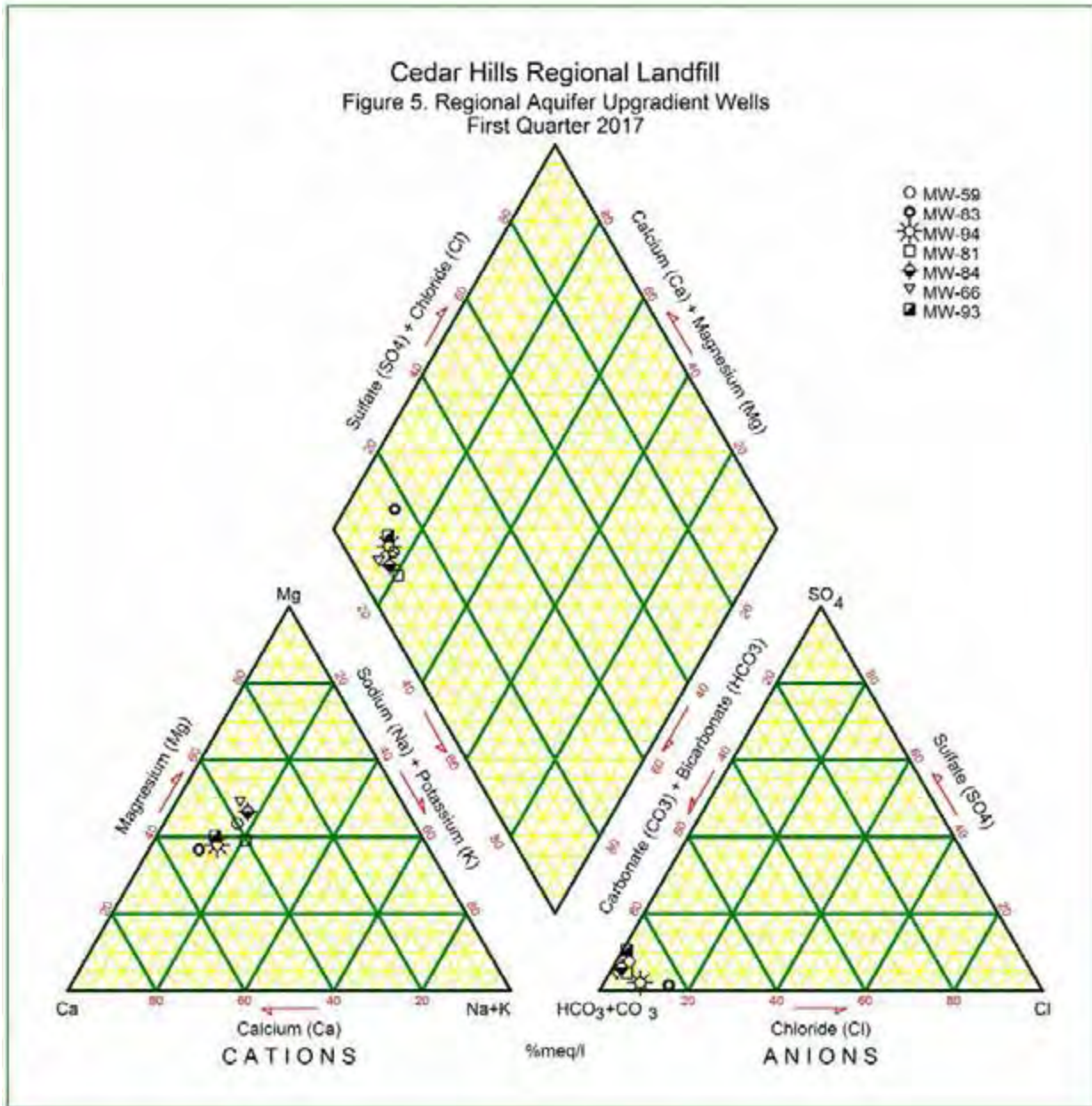
Site ID			Downgradient																				
			MW-68 1/12/17			MW-69 1/19/17			MW-72 1/31/17			MW-74 1/9/17			MW-75 1/5/17			MW-80 1/4/17					
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)			
Calcium	40.1	2	25.5	1.27245509	44.4	29.8	1.48702595	47.3	27.6	1.37724551	41.7	45.8	2.28542914	40.0	25.3	1.26247505	36.6	26.1	1.30239521	44.2			
Magnesium	24.3	2	14.2	1.16848385	40.7	14.9	1.22608517	39.0	17.8	1.46471919	44.4	34.5	2.83892203	49.7	20.4	1.67866694	48.7	14.7	1.20962765	41.0			
Potassium	39.1	1	1.7	0.04322439	1.5	1.7	0.04322439	1.4	1.7	0.04399168	1.3	2.3	0.05857032	1.0	1.9	0.04808393	1.4	1.6	0.04041096	1.4			
Sodium	23.0	1	8.2	0.35668038	12.4	7.8	0.33884637	10.8	7.3	0.31796751	9.6	12.1	0.52632105	9.2	8.6	0.37407943	10.9	7.3	0.31927244	10.8			
Iron	55.8	2	0.45	0.01604383	0.6	1.08	0.0386771	1.2	2.35	0.0841585	2.5	0.01	0.00035812	0.0	2.09	0.07484735	2.2	1.82	0.06517808	2.2			
Manganese	54.9	2	0.29	0.01052095	0.4	0.25	0.00924679	0.3	0.35	0.01281445	0.4	0.00	3.6405E-05	0.0	0.17	0.00618879	0.2	0.29	0.01052095	0.4			
Ammonia-N	14.0	1	0.02	0.00135646	0.0	0.02	0.00109231	0.0	0.02	0.00129221	0.0	0.01	0.00071393	0.0	0.01	0.00071393	0.0	0.01	0.00071393	0.0			
Total Cations (meq/L)			2.9			3.1			100.0			3.3			5.7			3.4			2.9		
Anions																							
Alkalinity, Total			130			133			125			226			106			110					
Carbonate	60.0	2	0.08178412	0.00272617	0.1	0.174615	0.00582058	0.2	0.08822265	0.00294079	0.1	0.14548676	0.00484962	0.1	0.06823715	0.0022746	0.1	0.0911955	0.00303989	0.1			
Bicarbonate	61.0	1	158.43	2.5968822	87.7	161.90	2.65377926	84.7	152.32	2.4966827	72.6	275.42	4.51446957	78.9	129.18	2.11740608	60.6	134.01	2.19662886	70.6			
Chloride	35.5	1	2.6	0.07249034	2.4	3.5	0.09956844	3.2	5.4	0.15203227	4.4	21.7	0.61207796	10.7	9.7	0.27472992	7.9	5.1	0.14357036	4.6			
Nitrate-N	14.0	1	0.01	0.00071393	0.0	0.01	0.00071393	0.0	0.01	0.00085671	0.0	0.36	0.02555865	0.4	0.01	0.00078532	0.0	0.01	0.00071393	0.0			
Sulfate	96.1	2	13.8	0.2873276	9.7	18.0	0.37477513	12.0	37.7	0.7849457	22.8	27.0	0.5621627	9.8	52.7	1.09725831	31.4	36.9	0.76828903	24.7			
Total Anions (meq/L)			3.0			3.1			100.0			3.4			5.7			3.5			3.1		
Total Ions (meq/L)			5.8			6.3			6.7			11.4			6.9			6.1					
Cation/Anion Ratio			0.97			1.00			0.96			1.00			0.99			0.95					
Percent Difference			-1.6			0.2			-2.0			-0.1			-0.7			-2.7					
Trilinear Diagram Data																							
sum (Ca, Mg, Na+K)			2.84			3.10			3.20			5.71			3.36			2.87					
Calcium						44.79			48.04			42.99			40.03			37.54			45.35		
Magnesium						41.13			39.61			45.72			49.73			49.91			42.12		
Sodium + Potassium						14.08			12.34			11.30			10.24			12.55			12.53		
									100.0									100.0			100.0		
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			2.96			3.13			3.44			5.69			3.49			3.11					
Sulfate						9.709			11.959			22.841			9.874			31.425			24.692		
Chloride						2.449			3.177			4.424			10.750			7.868			4.614		
Bicarbonate + Carbonate			87.842			84.864			84.864			72.735			79.376			60.707			70.694		
						100.0																	

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly Groundwater Monitoring

Data Collected from January 1, 2017 to March 31, 2017

Site ID		Downgradient						
		MW-85 1/4/17			MW-87 1/5/17			
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
Calcium	40.1	2	26.4	1.31736527	41.2	40.4	2.01596806	39.0
Magnesium	24.3	2	17.8	1.46471919	45.8	30.0	2.46862785	47.8
Potassium	39.1	1	1.5	0.03887637	1.2	2.3	0.05984915	1.2
Sodium	23.0	1	8.7	0.37625431	11.8	10.4	0.45237512	8.8
Iron	55.8	2	0.01	0.00035812	0.0	4.16	0.14897846	2.9
Manganese	54.9	2	0.00	3.6405E-05	0.0	0.50	0.01823874	0.4
Ammonia-N	14.0	1	0.01	0.00071393	0.0	0.02	0.00127079	0.0
Total Cations (meq/L)				3.2			5.2	
Anions								
Alkalinity, Total			120			96		
Carbonate	60.0	2	0.08666414	0.00288884	0.1	0.03473263	0.00115777	0.0
Bicarbonate	61.0	1	146.22	2.39674972	70.7	116.93	1.91655319	37.1
Chloride	35.5	1	9.3	0.26119087	7.7	9.5	0.26908865	5.2
Nitrate-N	14.0	1	0.12	0.00885272	0.3	0.01	0.00078532	0.0
Sulfate	96.1	2	34.5	0.71831901	21.2	143.0	2.97738024	57.6
Total Anions (meq/L)				3.4			5.2	
Total Ions (meq/L)				6.6			10.3	
Cation/Anion Ratio				0.94			1.00	
Percent Difference				-2.9			0.0	
Trilinear Diagram Data								
sum (Ca, Mg, Na+K)				3.20			5.00	
Calcium					41.20			40.35
Magnesium					45.81			49.40
Sodium + Potassium					12.98			10.25
					100.0			
sum (SO ₄ , Cl, HCO ₃ +CO ₃)				3.38			5.16	
Sulfate					21.257			57.654
Chloride					7.729			5.211
Bicarbonate + Carbonate					71.013			37.135

Cedar Hills Regional Landfill
Figure 5. Regional Aquifer Upgradient Wells
First Quarter 2017



Cedar Hills Regional Landfill
 Figure 6. Regional Aquifer Downgradient Wells
 First Quarter 2017

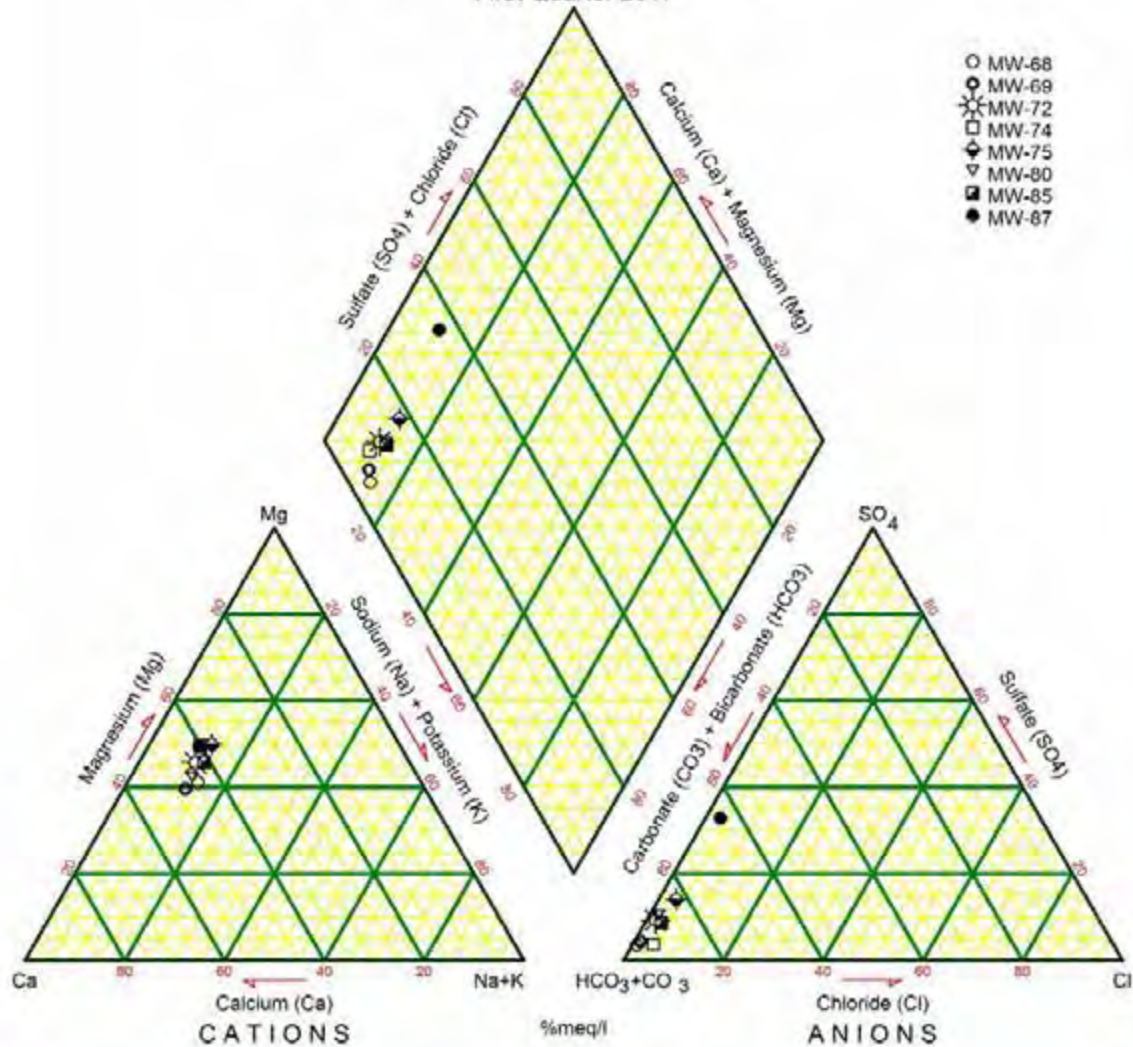


TABLE 5
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter		Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	cis -1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L
Upgradient and Crossgradient Wells																					
MW-59	Limit	0.001	0.001	0.0044	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.00423	0.29	1.28	0.2	0.45	0.02
	Result	< 0.001	0.0043	0.0055	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	0.007	0.027	1.37	< 0.2	< 0.2	< 0.02
MW-66	Limit	0.001	0.001	0.0065	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00101	0.003	0.001	0.002	0.004	0.889	0.2	0.2	0.32	0.02
	Result	< 0.001	< 0.001	0.0048	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	0.528	< 0.2	< 0.2	< 0.2	< 0.02
MW-68	Limit	0.001	0.488	0.0199	0.001	0.002	0.005	0.003	0.00737	0.001	0.01	0.001	0.003	0.001	0.0037	0.004	0.13	0.2	0.2	0.2	0.02
	Result	< 0.001	0.109	0.0123	< 0.001	< 0.002	< 0.005	< 0.003	0.0026	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	< 0.2	< 0.2	< 0.2	< 0.02
MW-81	Limit	0.001	0.001	0.0030	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.0043	1.8	0.2	0.2	0.2	0.02
	Result	< 0.001	< 0.001	0.0049	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	0.0025	0.0090	1.42	< 0.2	< 0.2	< 0.2	< 0.02
MW-83	Limit	0.001	0.001	0.0102	0.001	0.002	0.005	0.003	0.002*	0.001	0.01	0.001	0.003	0.001	0.002	0.004	3.45	0.2	0.2	3.14	0.02
	Result	< 0.001	< 0.001	0.0088	< 0.001	< 0.002	< 0.005	< 0.003	0.0029	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	1.58	< 0.2	< 0.2	1.68	< 0.02
MW-84	Limit	0.001	0.001	0.0040	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.73	0.2	0.2	0.2	0.02
	Result	< 0.001	< 0.001	0.0038	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	0.176	< 0.2	< 0.2	< 0.2	< 0.02
MW-93	Limit	0.001	0.001442	0.0014	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00272	0.0141	0.21	0.2	0.2	0.2	0.02
	Result	< 0.001	0.0012	0.0082	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	< 0.2	< 0.2	< 0.2	< 0.02
MW-94	Limit	0.001	0.001	0.0040	0.001	0.002	0.005	0.003	0.00231	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.72	0.2	0.2	4.80	0.02
	Result	< 0.001	< 0.001	0.0027	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	1.0	< 0.2	< 0.2	2.79	< 0.02
Downgradient Wells																					
MW-69	Limit	0.001	0.005	0.0148	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0112	0.076	0.2	0.2	0.2	0.02
	Result	< 0.001	0.002	0.0116	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	< 0.2	< 0.2	< 0.2	< 0.02
MW-72	Limit	0.001	0.001	0.0176	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.0201	0.15	0.2	0.2	0.2	0.02
	Result	< 0.001	< 0.001	0.0113	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	0.012	< 0.2	< 0.2	< 0.2	< 0.02
MW-74	Limit	0.001	0.001	0.0171	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.557	0.2	0.2	0.2	0.02
	Result	< 0.001	< 0.001	0.0118	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	0.358	< 0.2	< 0.2	< 0.2	< 0.02
MW-75	Limit	0.001	0.001	0.0131	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.11	0.26	0.2	0.2	0.07
	Result	< 0.001	< 0.001	0.0123	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	0.011	< 0.2	< 0.2	< 0.2	< 0.02
MW-80	Limit	0.001	0.039	0.0230	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0117	0.028	0.2	0.2	0.2	0.02
	Result	< 0.001	0.006	0.0159	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	< 0.2	< 0.2	< 0.2	< 0.02
MW-85	Limit	0.001	0.001	0.0069	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0014	0.003	0.001	0.002	0.004	0.230	0.2	0.2	0.2	0.02
	Result	< 0.001	< 0.001	0.0065	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	0.0011	< 0.003	< 0.001	< 0.002	< 0.004	0.124	< 0.2	< 0.2	< 0.2	< 0.02
MW-87	Limit	0.001	0.031	0.0424	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.006	0.004	0.24	0.2	0.2	0.2	0.08
	Result	< 0.001	0.011	0.0332	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	0.0023	< 0.004	0.011	< 0.2	< 0.2	< 0.2	< 0.02

Results greater than Limit Value in **Bold Red**

TABLE 6
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN REGIONAL AQUIFER WELLS
(Data Collected from January 1, 2017 to March 31, 2017)

Analyte	Site ID	Date	Sample ID	ug/L
Upgradient and Crossgradient Wells				
<i>cis</i> -1,2-Dichloroethene	MW-59	1/4/2017	W59-170104-	1.37
Trichloroethene	MW-83	1/4/2017	W83-170104-	1.68
	MW-94	1/5/2017	W94-170105-	2.79
Wells Downgradient to Waste Cells and North end Facilities				
No Detections this Quarter				

TABLE 7
SUMMARY OF EXCEEDANCES OF WAC 173-200-040
WATER QUALITY STANDARDS FOR GROUND WATERS OF THE STATE OF WASHINGTON

CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-30A	1/9/2017	W30A170109-	6.33
Arsenic (Total)	(mg/L)	MW-47	1/9/2017	W47-170109-	0.00431
Iron (Dissolved)	(mg/L)	MW-47	1/9/2017	W47-170109-	4.4
Manganese (Dissolved)	(mg/L)	MW-47	1/9/2017	W47-170109-	2.53
Total Dissolved Solids	(mg/L)	MW-47	1/9/2017	W47-170109-	621
1,1-Dichloroethane	(µg/L)	MW-30A	1/9/2017	W30A170109-	1.54
		MW-62	1/10/2017	W62-170110-	1.29
Vinyl Chloride	(ug/L)	MW-47	1/9/2017	W47-170109-	6.38
South Solid Waste Area Perched Wells					
Arsenic (Total)	(mg/L)	MW-101	1/20/2017	W101170120-	0.0103
Iron (Dissolved)	(mg/L)	MW-101	1/20/2017	W101170120-	1.12
Manganese (Dissolved)	(mg/L)	MW-101	1/20/2017	W101170120-	1.37 D
Vinyl Chloride	(µg/L)	MW-101	1/20/2017	W101170120-	0.448

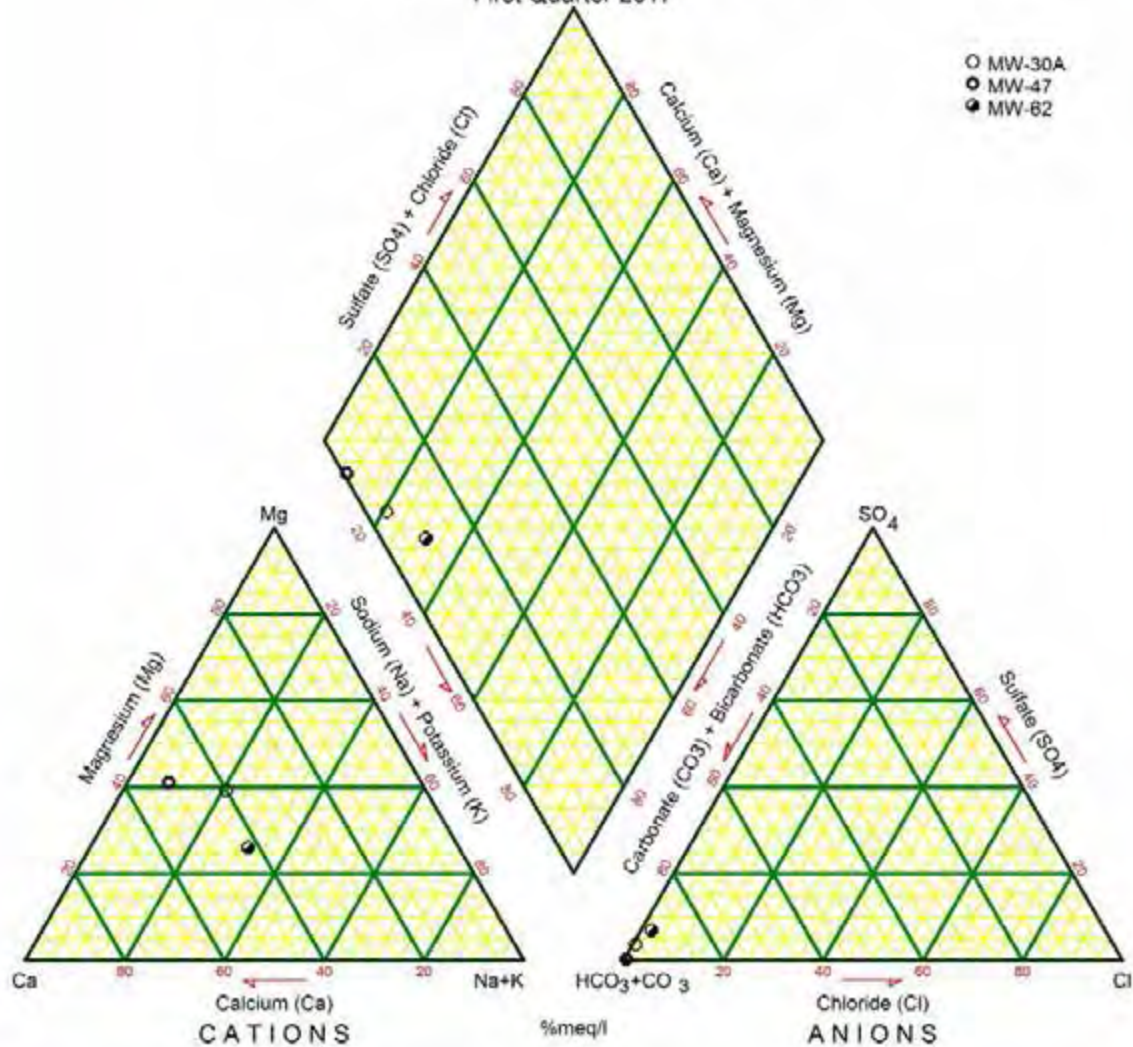
See Data Qualifier List for Qualifier Information.

Table 8
Ion Balance Calculations
Cedar Hills Landfill Perched Zones GW Monitoring Wells

Data Collected from January 1, 2017 to March 31, 2017

Site ID Date			East Perched Zone									SSWA		
			MW-30A 1/9/17			MW-47 1/9/17			MW-62 1/10/17			MW-101 1/20/17		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
Calcium	40.1	2	19.3	0.96307	40.0	115.0	5.73852	49.5	16.2	0.80838	42.2	60.8	3.03393	47.8
Magnesium	24.3	2	11.5	0.94631	39.3	56.6	4.65748	40.2	6.1	0.49949	26.1	30.5	2.50977	39.5
Potassium	39.1	1	1.6	0.04143	1.7	4.7	0.12072	1.0	1.1	0.02813	1.5	2.7	0.06829	1.1
Sodium	23.0	1	10.5	0.45672	19.0	18.8	0.81776	7.1	13.3	0.57852	30.2	14.8	0.64376	10.1
Iron	55.8	2	0.0	0.00036	0.0	4.4	0.15757	1.4	0.0	0.00036	0.0	1.1	0.04011	0.6
Manganese	54.9	2	0.0	3.6E-05	0.0	2.5	0.0921	0.8	0.0	3.6E-05	0.0	1.4	0.04987	0.8
Ammonia-N	14.0	1	0.0	0.00071	0.0	0.1	0.00964	0.1	0.0	0.00071	0.0	0.0	0.00119	0.0
Total Cations (meq/L)			2.4			11.6			1.9			6.3		
Anions														
Alkalinity, Total			85			590			66.2			316		
Carbonate	60.0	2	0.01093	0.00036	0.0	0.17775	0.00593	0.0	0.02398	0.0008	0.0	0.18554	0.00618	0.1
Bicarbonate	61.0	1	103.68	1.69938	66.7	719.44	11.7923	97.9	80.72	1.323	66.8	385.14	6.31286	97.3
Chloride	35.5	1	1.1	0.03131	1.2	5.2	0.14639	1.2	3.3	0.0928	4.7	2.9	0.08293	1.3
Nitrate-N	14.0	1	8.7	0.61898	24.3	0.0	0.00071	0.0	3.6	0.25701	13.0	0.0	0.00071	0.0
Sulfate	96.1	2	9.5	0.19738	7.7	4.8	0.10015	0.8	14.7	0.30607	15.5	4.1	0.08537	1.3
Total Anions (meq/L)			2.5			12.0			2.0			6.5		
Total Ions (meq/L)			5.0			23.6			3.9			12.8		
Cation/Anion Ratio			0.95			0.96			0.97			0.98		
Percent Difference			-2.8			-1.9			-1.6			-1		
TRILINEAR DIAGRAM DATA														
sum (Ca, Mg, Na+K)			2.41			11.33			1.91			6.26		
Calcium			40.0			50.6			42.22			48.50		
Magnesium			39.3			41.1			26.09			40.12		
Sodium + Potassium			20.7			8.3			31.69			11.38		
									100.0					
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			1.93			12.04			1.72			6.49		
Sulfate			10.2			0.8			17.8			1.3		
Chloride			1.6			1.2			5.4			1.3		
Bicarbonate + Carbonate			88.1			98.0			76.8			97.4		
									100.0					

Cedar Hills Regional Landfill
 Figure 7. East Perched Zone Wells
 First Quarter 2017



Cedar Hills Regional Landfill
 Figure 8. SSWA Perched Zone Wells
 First Quarter 2017

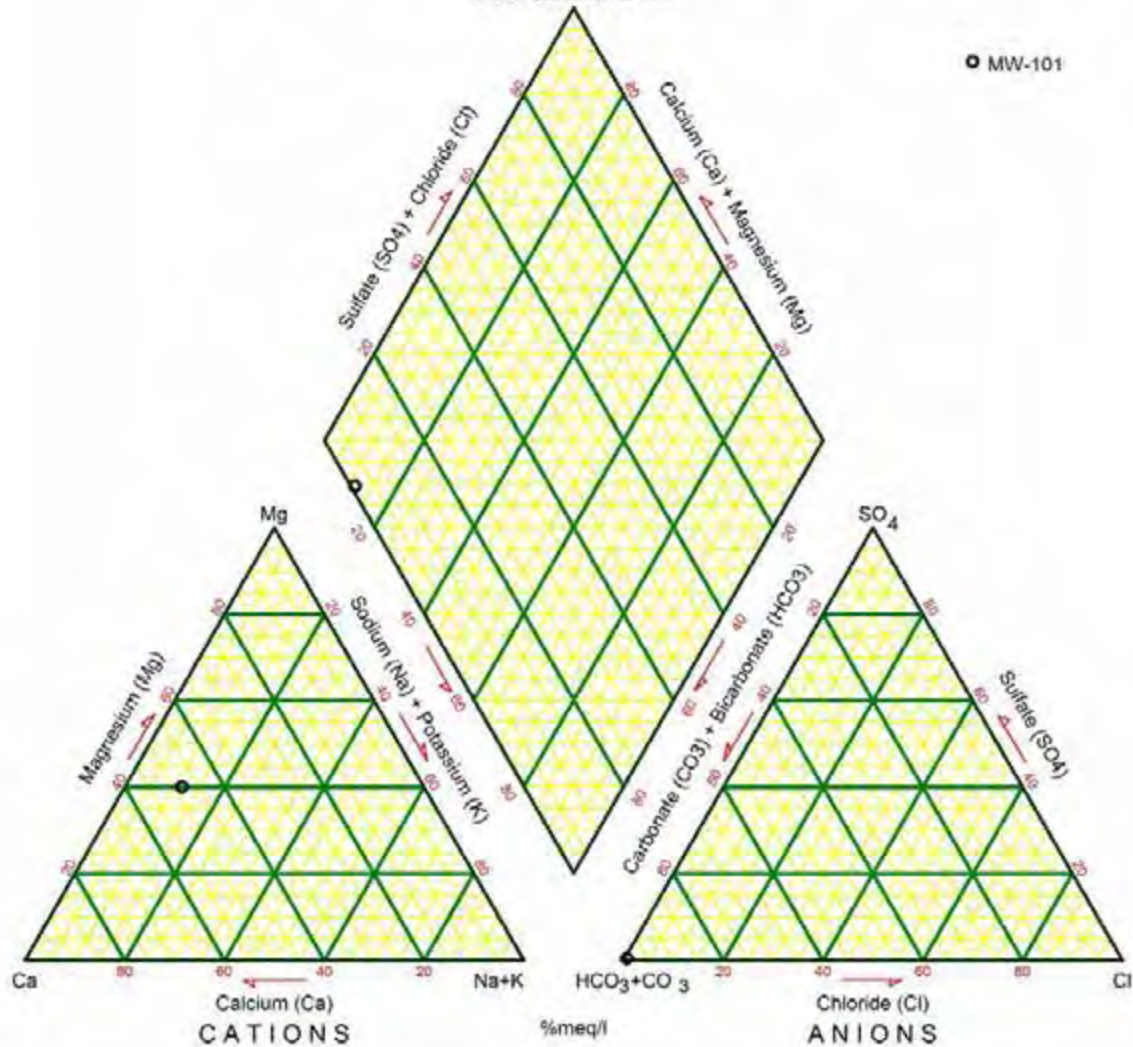


TABLE 9
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter		Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
East Perched Zone																								
MW-30A	Limit	0.001	0.001	0.0077	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00237	0.00572	11.05	2.33	0.2	0.34	13.14	0.2	1.72	0.25
	Result	< 0.001	< 0.001	0.00469	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	0.00209	< 0.004	8.67	1.54	< 0.2	< 0.2	3.76	< 0.2	0.898	< 0.02
MW-47	Limit	0.001	0.00218	0.0459	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00307	0.004	0.014	0.808	0.2	0.2	4.88	0.2	0.2	8.09
	Result	< 0.001	0.00431	0.044	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	0.753	< 0.2	< 0.2	2.88	< 0.2	< 0.2	6.38
MW-62	Limit	0.001	0.001	0.0034	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	8.8	8.09	6.1	0.26	21.1	0.21	0.47	0.23
	Result	< 0.001	< 0.001	0.0017	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	3.6	1.29	< 0.2	< 0.2	3.62	< 0.2	< 0.2	< 0.02
South Solid Waste Area Wells Wells																								
MW-101	Limit	0.001	0.028	0.0400	0.001	0.002	0.005	0.003	0.00416	0.00109	0.01	0.001	0.003	0.001	0.0039	0.00729	0.0593	0.21	0.2	0.22	0.23	0.2	0.2	0.98
	Result	< 0.001	0.010	0.0229	< 0.001	< 0.002	< 0.005	< 0.003	< 0.002	< 0.001	< 0.01	< 0.001	< 0.003	< 0.001	< 0.002	< 0.004	< 0.01	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.448

Results greater than Limit Value in **Bold Red**

TABLE 10
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN PERCHED ZONE WELLS
(Data Collected from January 1, 2017 to March 31, 2017)

Analyte	Site ID	Date	Sample ID	ug/L
East Perched Zone Wells				
Acetone	EW-25	1/23/2017	EW25170123-	89 D
Chloroethane	MW-47	1/9/2017	W47-170109-	0.28
	EW-25	1/23/2017	EW25170123-	0.38 T
1,1-Dichloroethane	MW-30A	1/9/2017	W30A170109-	1.54
	MW-47	1/9/2017	W47-170109-	0.753
	MW-62	1/10/2017	W62-170110-	1.29
cis-1,2-Dichloroethene	MW-30A	1/9/2017	W30A170109-	3.76
	MW-47	1/9/2017	W47-170109-	2.88
	MW-62	1/10/2017	W62-170110-	3.62
Dichlorodifluoromethane	MW-47	1/9/2017	W47-170109-	6.31
Trichloroethene	EW-25	1/23/2017	EW25170123-	0.441
	MW-30A	1/9/2017	W30A170109-	0.898
Vinyl Chloride	MW-47	1/9/2017	W47-170109-	6.38
South Solid Waste Area Perched Wells				
cis-1,2-Dichloroethene	MW-101	1/20/2017	W101170120-	0.2
Vinyl Chloride	MW-101	1/20/2017	W101170120-	0.448

See Data Qualifier List for Qualifier Information.

Table 11
Surface Water Monitoring Activities 1st Quarter 2017

Station ID	Date	Planned Activity	Sample ID	Comment
SW-E1	1/6/2017	Surface/Groundwater Water Characterization	SE1-170106-	
SW-E1	1/6/2017	QA/QC Sample	SE1-170106D	
SW-GS1	1/17/2017	NPDES Permit Sample	SN4-170117P	
SW-N4	1/17/2017	NPDES Permit Sample	SGS1170117P	
SW-SL3	1/17/2017	NPDES Permit Sample	SSL3170117P	
SW-TD1	1/18/2017	Area 5 Top Deck Monitoring	STD1170118-	
SW-TD2	1/18/2017	Area 5 Top Deck Monitoring	STD2170118-	
SW-TD4	1/18/2017	Area 5 Top Deck Monitoring	STD4170118-	
SW-TD6	1/18/2017	Area 5 Top Deck Monitoring	STD6170118-	
Staff Gages	1/6/2017	Monthly Stream Gage Levels	NA ¹	
Staff Gages	2/8/2017	Monthly Stream Gage Levels	NA	
Staff Gages	3/1/2017	Monthly Stream Gage Levels	NA	

TABLE 12
CEDAR HILLS LANDFILL
SUMMARY OF ISGP* STORMWATER PERMIT EXCEEDANCES
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter	Units	Sampling Location	Date	Value	Regulatory Limit	Type
No Exceedances this Quarter						

*ISGP - Industrial General Stormwater Permit

TABLE 13
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from January 1, 2017 to March 31, 2017)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
Acetone	EQUIPMENT BLANK	01/23/17	EW25170123F	25.2
Methylene Chloride	METHOD BLANK	02/17/17	WG150320-1	0.772
Styrene	EQUIPMENT BLANK	01/23/17	EW25170123F	0.21 T
Toluene	FIELD BLANK	01/19/17	W69-170119F	0.31 T
	EQUIPMENT BLANK	01/23/17	EW25170123F	2.13

See Data Qualifier List for Qualifier Information.

Table 14
Groundwater Quality Criteria

		Ground Water Quality Criteria	
Analyte	CAS No.	Criterion*	
I. PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES			
A. Primary Contaminants			
Barium	7440-39-3	1	mg/L
Cadmium	7440-43-9	0.005	mg/L
Chromium	7440-47-3	0.05	mg/L
Lead	7439-92-1	0.015	mg/L
Mercury	7439-97-6	0.002	mg/L
Selenium	7782-49-2	0.01	mg/L
Silver	7440-22-4	0.05	mg/L
Fluoride	16984-48-8	4	mg/L
Nitrate	14797-55-8	10	mg/L
Endrin	72-20-8	0.2	ug/L
Methoxychlor	72-43-5	40	ug/L
1,1,1-Trichloroethane	71-55-6	200	ug/L
2,4-D	94-75-7	70	ug/L
2,4,5-TP	93-72-1	100	ug/L
Total Coliforms		1/100	mL
B. Secondary Standards			
Copper	7440-50-8	1	mg/L
Iron	7439-89-6	0.3	mg/L
Manganese	7439-96-5	0.05	mg/L
Zinc	7440-66-6	5	mg/L
Chloride	16887-00-6	250	mg/L
Sulfate	14808-79-8	250	mg/L
Total Dissolved Solids		500	mg/L
Foaming Agents		0.5	mg/L
pH	12408-02-5	6.5-8.5	units
Corrosivity		non-corrosive	
Color		15	units
Odor-Threshold		3	units
C. Radionuclides and Radioactivity			
Gross Alpha particle activity		15	pCi/L
Gross Beta particle activity		50	pCi/L
Tritium	10028-17-8	20,000	pCi/L
Strontium	7440-24-6	8	pCi/L
Radium 226 & Radium 228		5	pCi/L
Radium 226	13982-63-3	3	pCi/L
II. CARCINOGENS			
1,1-Dichloroethane	75-34-3	1	ug/L
1,2-Dichloroethane	107-06-2	0.5	ug/L
1,2-Dichloropropane	78-87-5	0.6	ug/L
1,2-Dimethylhydrazine	540-73-8	60	ug/L
1,2-Diphenylhydrazine	122-66-7	0.09	ug/L
1,3-Dichloropropene tot.	542-75-6	0.2	ug/L
1,4-Dichlorobenzene	106-46-7	4	ug/L
1,4-Dioxane	123-91-1	7	ug/L
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.0000006	ug/L
2,4,6-Trichlorophenol	88-06-2	4	ug/L
2,4-Dinitrotoluene	121-14-2	0.1	ug/L
2,4-Toluenediamine	95-80-7	0.002	ug/L
2,6-Dinitrotoluene	606-20-2	0.1	ug/L
2-Methoxy-5-nitroaniline	99-59-2	2	ug/L
2-Methylaniline	95-53-4	0.2	ug/L
2-Methylaniline hydrochloride	636-21-5	0.5	ug/L
3,3'-Dichlorobenzidine	91-94-1	0.2	ug/L
3,3'-Dimethoxybenzidine	119-90-4	6	ug/L
3,3-Dimethylbenzidine	119-93-7	0.007	ug/L
4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2	ug/L
4-Chloro-2-methyl aniline	95-69-2	0.1	ug/L
4-Chloro-2-methyl aniline hydrochloride	3165-93-3	0.2	ug/L
Acrylamide	79-06-1	0.02	ug/L
Acrylonitrile	107-13-1	0.07	ug/L
Aldrin	309-00-2	0.005	ug/L
Aniline	62-53-3	14	ug/L
Aramite	140-57-8	3	ug/L
Arsenic	7440-38-2	0.00005	mg/L
Azobenzene	103-33-3	0.7	ug/L
Benzene	71-43-2	1	ug/L

Table 14
Groundwater Quality Criteria

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
Benzidine	92-87-5	0.0004	ug/L
Benzo(a)pyrene	50-32-8	0.008	ug/L
Benzotrithloride	98-07-7	0.007	ug/L
Benzyl chloride	100-44-7	0.5	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	6	ug/L
Bis(chloroethyl)ether	111-44-4	0.07	ug/L
Bis(chloromethyl)ether	542-88-1	0.0004	ug/L
Bromodichloromethane	75-27-4	0.3	ug/L
Bromoform	75-25-2	5	ug/L
Carbazole	86-74-8	5	ug/L
Carbon Tetrachloride	56-23-5	0.3	ug/L
Chlordane	5103-71-9	0.06	ug/L
Chlorodibromomethane	124-48-1	0.5	ug/L
Chloroform	67-66-3	7	ug/L
Chlorthalonil	1897-45-6	30	ug/L
DDT (includes DDE and DDD)	50-29-3, 72-55-9, 72-54-8	0.3	ug/L
Diallate	2303-16-4	1	ug/L
Dichlorovos	62-73-7	0.3	ug/L
Dieldrin	60-57-1	0.005	ug/L
Direct Black 38	1937-37-7	0.009	ug/L
Direct Blue 6	2602-46-2	0.009	ug/L
Direct Brown 95	16071-86-6	0.009	ug/L
Epichlorohydrin	106-89-8	8	ug/L
Ethyl acrylate	140-88-5	2	ug/L
Ethylene dibromide	106-93-4	0.001	ug/L
Ethylene thiourea	96-45-7	2	ug/L
Folpet	133-07-3	20	ug/L
Furazolidone	67-45-8	0.02	ug/L
Furium	531-82-8	0.002	ug/L
Furmecyclox	60568-05-0	3	ug/L
Heptachlor	76-44-8	0.02	ug/L
Heptachlor epoxide	1024-57-3	0.009	ug/L
Hexachlorobenzene	118-74-1	0.05	ug/L
Hexachlorocyclohexane (alpha)	319-84-6	0.001	ug/L
Hexachlorocyclohexane (technical)	608-73-1	0.05	ug/L
Hexachlorodibenzo-p-dioxin, mix	34465-46-8	0.00001	ug/L
Hydrazine/hydrazine sulfate	302-01-2/10034-93-2	0.03	ug/L
Lindane	58-89-9	0.06	ug/L
Methylene Chloride	75-09-2	5	ug/L
Mirex	2385-85-5	0.05	ug/L
Nitrofurazone	59-87-0	0.06	ug/L
N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
N-Nitrosodimethylamine	62-75-9	0.002	ug/L
N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
N-Nitrosodiphenylamine	86-30-6	17	ug/L
N-Nitroso-N-methylethylamine	10595-95-6	0.004	ug/L
N-Nitrosopyrrolidine	930-55-2	0.04	ug/L
o-Chloronitrobenzene	88-73-3	3	ug/L
o-Phenylenediamine	95-54-5	0.005	ug/L
o-Toluidine	95-53-4	0.2	ug/L
p,a,a-Tetrachlorotoluene	5216-25-1	0.004	ug/L
PAHs [Benzo(a)pyrene]		0.01	ug/L
PBBs	59536-65-1	0.01	ug/L
PCBs c	27323-18-8	0.01	ug/L
p-Chloronitrobenzene	100-00-5	5	ug/L
Propylene oxide	75-56-9]	0.01	ug/L
Tetrachloroethylene	127-18-4	0.8	ug/L
Toxaphene c	8001-35-2	0.08	ug/L
Trichloroethylene (TCE)	79-01-6	3	ug/L
Trimethyl phosphate	512-56-1	2	ug/L
Vinyl chloride	75-01-4	0.02	ug/L
NOTES: pCi/L=picocuries per liter mg/L=milligrams per liter ug/L=micrograms per liter *Ground Water Quality Criteria=173-200 WAC Water Quality Standards for Ground Waters of the State of Washington			

TABLE 15
CEDAR HILLS LANDFILL
INDUSTRIAL STORMWATER GENERAL PERMIT
BENCHMARKS and EFFLUENT LIMITS

Parameter	Units	Minimum Sampling Frequency	Benchmark	Effluent Limit	
				Monthly Average	Daily Maximum
pH	Std. Units	Quarterly	5.0 to 9.0	6.0 to 9.0	
Turbidity	NTU	Quarterly	25	--	--
Oil Sheen	Yes/No	Quarterly	None Visible	--	--
Copper, Total	ug/L	Quarterly	14	--	--
Zinc, Total	ug/L	Quarterly	117	110	200
BOD	mg/L	Quarterly	--	37	140
TSS	mg/L	Quarterly	--	27	88
Ammonia-N	mg/L	Quarterly	--	4.9	10
Alpha Terpineol	ug/L	Quarterly	--	16	33
Benzoic Acid	ug/L	Quarterly	--	71	120
4-Methylphenol*	ug/L	Quarterly	--	14	25
Phenol	ug/L	Quarterly	--	15	26

* Analytical result reported as the total of 3-Methylphenol (CAS RN 108-39-4) and 4-Methylphenol (CAS RN 106-44-5)

TABLE 16
CEDAR HILLS REGIONAL LANDFILL
LABORATORY DATA REVIEW - SUSPECT DATA ALL MATRICES
(Data Collected from January 1, 2017 to March 31, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	Cause of Unuseability
Acetone	ug/L	EW-25	1/23/2017	EW25170123-	89 D	Blank Contamination

APPENDIX A

Potentiometric Surface Maps and Aquifer Flow Calculations



King County

Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center

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TTY Relay: 711

May 3, 2017

TO: Tom Theno, Engineer II, Engineering Services Section, Solid Waste Division,
Department of Natural Resources and Parks (DNRP)

FM: Sevin Bilir, Environmental Scientist IV, Science and Technical Support Section,
Water and Land Resources Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
First Quarter 2017 Results
Cedar Hills Landfill, King County, Washington
Project No. 1126980 – Task 25.106

The King County Water and Land Resources Division (KCWLR Division) submits this memorandum report on groundwater conditions during the first quarter of 2017 for the Cedar Hills Landfill (landfill), in accordance with the *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations* (KCWLR Division, 2017). King County Solid Waste Division (KCSWD) personnel measured groundwater elevations at the landfill on January 3, 2017. These measurements were received by KCWLR Division on April 10, 2017 and were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There have been no significant changes in the interpreted groundwater conditions since the report submitted for the fourth quarter of the 2016 monitoring event.

Groundwater Elevation Data

KCSWD attempted groundwater level measurements at 41 monitoring wells during the first quarter of 2017. These wells were completed in the regional aquifer as referred to in

Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).

Table 1 lists the well identifications, locations, well details, measured groundwater levels and calculated groundwater elevations for the regional aquifer. Wells with screened intervals within ten feet of the water table were used for potentiometric surface mapping purposes. A total of 23 wells with water levels within ten feet of the top of screen were selected.

Figure 1 shows well locations, groundwater elevations at the 23 selected wells, groundwater potentiometric surface contours, and interpreted groundwater flow direction in the regional aquifer for the January 3, 2017 measurement event.

Direction of Groundwater Flow

Figure 1 shows interpreted groundwater potentiometric surface contours and groundwater flow directions in the regional aquifer, based on the January 3, 2017 measurements. Groundwater elevations indicate that groundwater in the regional aquifer generally flowed north beneath the southern and central portions of the landfill with minor components of flow to the north-northwest and north-northeast. At the northern end of the landfill, groundwater generally flowed to the north and north-northeast.

Groundwater Parameters

Horizontal groundwater velocity was calculated using the following formula:

$$\text{where: } v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

$$\begin{aligned} v &= \text{Groundwater velocity [L/t]} \\ n_{eff} &= \text{Effective porosity [dimensionless]} \\ K &= \text{Hydraulic conductivity [L/t]} \\ \frac{\Delta H}{\Delta L} &= \text{Hydraulic gradient [L/L]} \end{aligned}$$

Horizontal groundwater velocity was calculated for the regional aquifer below the landfill. Horizontal groundwater velocity was calculated for the southern, central, and northern portions of the regional aquifer, based on spatial differences in aquifer parameters and hydraulic gradients. The hydraulic conductivity and effective porosity values were based on the range referred to in the *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010).

Table 2 presents a summary of the groundwater parameters used to calculate a groundwater velocity from the first quarter 2017 data. The hydraulic gradient was greatest under the southern portion of the landfill and smallest under the northern portion. On January 3, 2017, average horizontal groundwater velocity within the regional aquifer ranged from 0.009 feet per day (ft/d) under the southern portion of the landfill to 2.3 ft/d under the central portion of the landfill.

References

Aspect Consulting (Aspect). 2010. *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill*. Unpublished work. April 30.

King County Water and Land Resources Division (KCWLR Division). 2015. *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations*. Unpublished. December.

Thank you for the opportunity to provide hydrogeologic services to the KCSWD. If you have any questions, please feel free to contact me at 206-477-4646 or sevin.bilir@kingcounty.gov.

Sincerely,



Sevin Bilir, WA LHG
Environmental Scientist IV
King County Water and Land Resources Division

Enclosures:

- Table 1: Groundwater Elevations - First Quarter 2017
- Table 2: Groundwater Parameters - First Quarter 2017
- Figure 1: Groundwater Potentiometric Surface Map – First Quarter 2017 – Regional Aquifer

Table 1: Groundwater Elevations – First Quarter 2017

Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Unit	Well Identification	X (ft)	Y (ft)	Top of Casing Elevation (ft MSL)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	January 3, 2017	
							Measured Depth to Water (ft)	Groundwater Elevations (ft MSL)
Wells with water levels within 10 feet of the top of screen	MV60	1701154.47	167873.20	567.15	334.81	325.81	227.2	339.95
	MV64	1701980.27	168772.19	596.55	334.03	320.23	265.84	330.71
	MV66	1699750.19	174250.32	531.28	294.39	280.59	239	292.28
	MV67	1701776.69	172610.65	516.43	297.80	284.00	219.95	296.48
	MV68	1701917.32	170609.35	647.07	311.29	292.29	332.07	315
	MV69	1698061.86	172400.20	653.69	293.57	279.97	356.2	297.49
	MV72	1698229.92	170987.71	671.87	303.63	294.03	361.42	310.45
	MV73	1698954.95	174995.59	485.70	288.11	278.81	191.46	294.24
	MV74R	1700386.85	173813.79	531.26	289.90	280.40	240.43	290.83
	MV76	1700376.23	167193.13	491.71	351.06	341.56	139.21	352.5
	MV81	1702568.87	172113.99	493.66	309.19	300.19	184.44	309.22
	MV82	1699553.72	167725.31	474.85	348.88	339.38	123.61	351.24
	MV83	1697939.89	167212.27	496.81	350.19	340.69	144.64	352.17
	MV84	1698602.89	173894.54	530.80	292.46	282.96	236.47	294.33
	MV85	1701828.95	173694.52	531.76	282.56	273.06	246.35	285.41
	MV86	1701331.25	174917.90	536.04	283.43	274.63	249.89	286.15
	MV87	1700670.27	173493.76	537.31	283.68	274.38	248.58	288.73
	MV88	1701807.87	174303.06	513.68	281.52	272.22	227.4	286.28
	MV93	1702259.35	169851.24	632.15	319.87	310.07	308.67	323.48
	MV94	1698674.21	167210.22	495.51	357.22	348.52	140.77	354.74
Wells with water levels greater than 10 feet above the top of screen	MV95	1697265.32	169426.92	571.54	314.60	305.90	251.31	320.23
	MV100	1700791.72	169610.46	620.32	319.06	309.06	298.1	322.22
	MV106	1702536.99	173461.69	475.47	280.04	270.04	190.86	284.61
	MV21	1697901.86	173876.38	420.66	263.22	255.22	125.43	295.23
	MV22P	1701844.34	173088.17	517.09	236.02	231.22	232.57	284.52
	MV24	1699582.39	167767.76	475.99	286.76	281.76	145.23	330.76
	MV43	1701274.23	174327.14	547.06	245.63	235.63	263.63	283.43
	MV54	1702154.28	168435.53	580.43	250.25	228.25	278.86	301.57
	MV56	1698980.77	167214.82	480.33	323.15	313.15	123.65	356.68
	MV57	1699993.32	167201.99	456.64	326.65	311.65	100.47	356.17
	MV58A	1699006.59	167207.16	479.27	270.05	260.05	149	330.27
	MV59	1699983.91	167193.44	457.13	285.08	275.08	123.61	333.52
	MV65	1701602.10	167146.55	545.83	317.71	308.91	209	336.83
	MV75	1701059.70	173432.42	532.40	271.10	261.00	245.87	286.53
	MV80	1701309.78	172964.99	530.41	279.17	269.67	239.37	291.04
	MV89	1701799.57	174319.44	512.82	229.20	219.90	232.17	280.65
	MV90	1702203.13	174300.67	502.22	235.16	226.16	221.64	280.58
	MV91	1701023.09	173423.94	532.02	260.81	240.71	246.29	285.73
	MV99	1702556.06	172098.73	493.64	221.77	212.77	200.59	293.05
	NPW1	1701906.96	171138.99	646.33	299.87	284.87	332.93	313.4
	NPW3	1701922.88	170663.28	645.81	284.87	276.87	331.12	314.69

Notes

1. Water level measurements made by KCSWD personnel.
2. Reference datum for XY coordinates is the North American Datum of 1927 (NAD27)
3. Elevations reported in feet above Mean Sea Level based on the National Geodetic Vertical Datum, 1929.

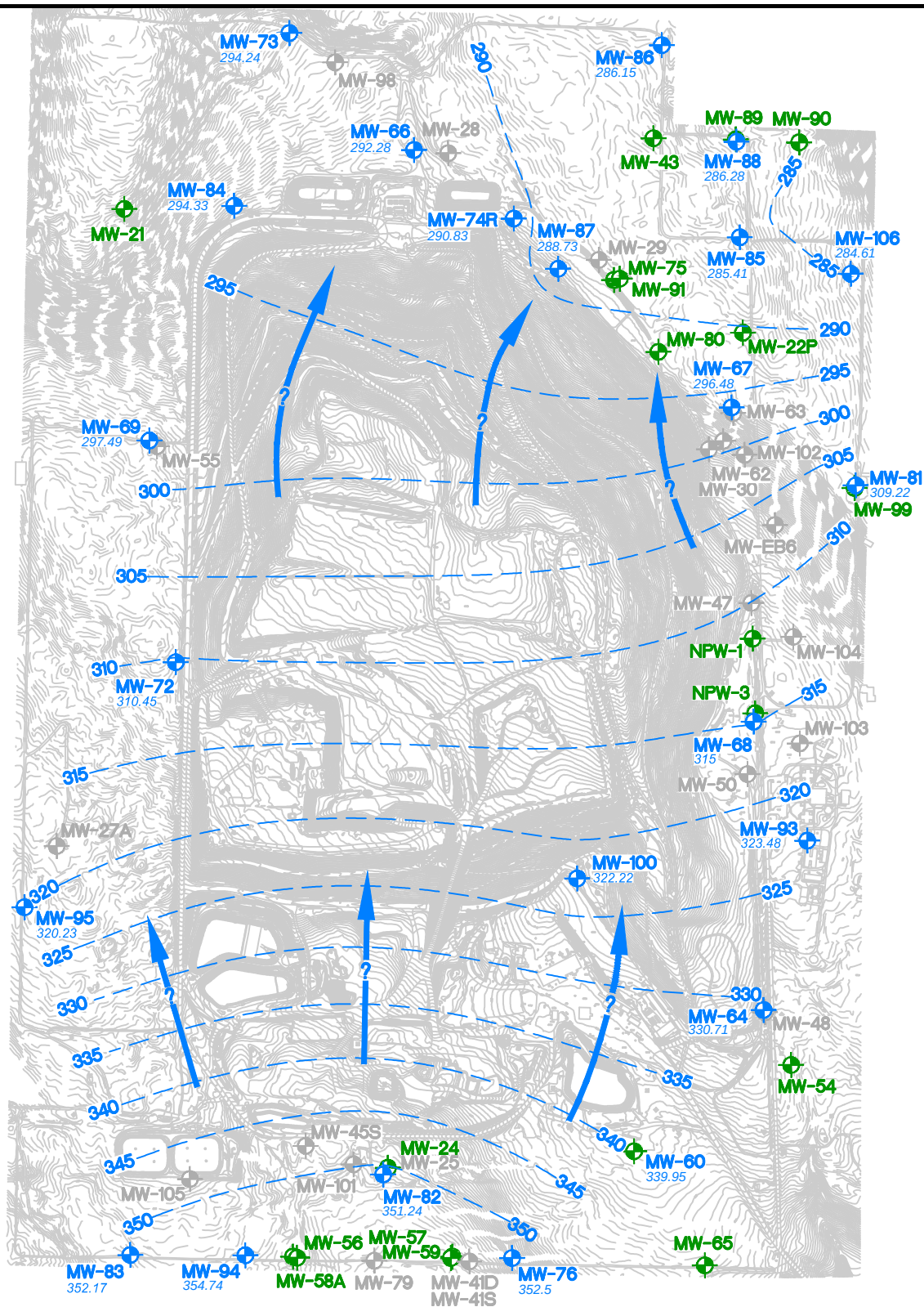
Table 2: Groundwater Parameters – First Quarter 2017

Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity (K)			Horizontal Hydraulic Gradient (DH/DL)	Effective Porosity (n _{eff})	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	(cm/s)	(ft/d)	(ft/ft)		(ft/d)	
Northern	Minimum	2.10E-03	6	0.007	24%	0.163	NNE, NE
	Maximum	4.20E-02	120	0.007	24%	3.25	
	Mean	2.10E-02	60	0.007	24%	1.63	
Central	Minimum	2.10E-03	6	0.009	24%	0.23	N, NNW
	Maximum	4.20E-02	120	0.009	24%	4.5	
	Mean	2.10E-02	60	0.009	24%	2.3	
Southern	Minimum	6.40E-06	0.018	0.012	26%	0.0009	N, NNE, NNW
	Maximum	6.40E-04	1.8	0.012	26%	0.09	
	Mean	6.40E-05	0.18	0.012	26%	0.009	

Notes

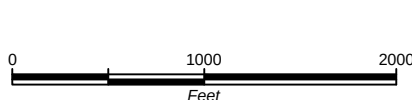
1. Horizontal hydraulic conductivity values and effective porosity values from *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010)*.
2. Hydraulic gradients measured from the potentiometric surface map shown on Figure 1.
3. Mean hydraulic conductivity values are the geometric mean of the high and low values.
4. NNE, north-northeast; NNW, north-northwest; NE, northeast; N, north



Legend

- MW-X
XXX.XX
- MW-X
- MW-X
- Well completed in Regional Aquifer within 10 feet of the water table
- Wells completed in Regional Aquifer more than 10 ft below water table
- Wells screened in discontinuous Perched Zones

- 300 — — — Regional Aquifer Groundwater Elevation Contour (feet MSL).
- ← ? — Inferred Horizontal Groundwater Flow Path



Notes:

- Groundwater measurements made on January 3, 2017.
- Only wells completed in the Regional Aquifer within 10 feet of the water table were used for contouring.



Groundwater Potentiometric Surface Map First Quarter 2017 - Regional Aquifer Cedar Hills Landfill King County, Washington

DATE:	April 2017
DESIGNED BY:	SB
DRAWN BY:	LT
REVISED BY:	SB

PROJECT NO.	1033379
FIGURE NO.	1

APPENDIX B

Field and Analytical Test Results

Groundwater Analytical Data

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Groundwater Elevation Data

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
EW-25	1/6/2017	643.61	7.83	635.78	
EW-25	1/23/2017	643.61	7.34	636.27	
MW-21	1/3/2017	420.66	125.43	295.23	
MW-22	1/3/2017	517.09	232.57	284.52	
MW-24	1/3/2017	475.99	145.23	330.76	
MW-25	1/3/2017	474.41	5.01	469.40	
MW-27A	1/3/2017	584.23	54.76	529.47	
MW-28	1/3/2017	527.75	21.71	506.04	
MW-29	1/3/2017	532.92	9.2	523.72	
MW-30A	1/3/2017	568.43	30.11	538.32	
MW-30A	1/9/2017	568.43	30.42	538.01	
MW-41S	1/3/2017	462.44	3.97	458.47	
MW-41D	1/3/2017	462.32	25.27	437.05	
MW-43	1/3/2017	547.06	263.63	283.43	
MW-45	1/3/2017	488.4	13.66	474.74	
MW-47	1/3/2017	634.6	16.09	618.51	
MW-47	1/9/2017	634.6	16.04	618.56	
MW-47	1/6/2017	634.6	16	618.60	
MW-48	1/3/2017	594.49	42.85	551.64	
MW-50	1/3/2017	637.02	29.53	607.49	
MW-54	1/3/2017	580.43	278.86	301.57	
MW-55	1/3/2017	652.29	27.7	624.59	
MW-56	1/3/2017	480.33	123.65	356.68	
MW-57	1/3/2017	456.64	100.47	356.17	
MW-58A	1/3/2017	479.27	149	330.27	
MW-59	1/3/2017	457.13	123.61	333.52	
MW-59	1/4/2017	457.13	123.48	333.65	
MW-60	1/3/2017	567.15	227.2	339.95	
MW-62	1/3/2017	556.21	49.33	506.88	
MW-62	1/10/2017	556.21	49.48	506.73	
MW-62	1/6/2017	556.21	49.31	506.90	
MW-63	1/3/2017	515.88	11.5	504.38	
MW-63	1/6/2017	515.88	11.64	504.24	
MW-64	1/3/2017	596.55	265.84	330.71	
MW-65	1/3/2017	545.83	209	336.83	
MW-66	1/3/2017	531.28	239	292.28	
MW-66	1/18/2017	531.2	238	293.20	
MW-67	1/3/2017	516.43	219.95	296.48	
MW-67	1/6/2017	516.43	220.6	295.83	
MW-68	1/3/2017	647.07	332.07	315.00	
MW-68	1/12/2017	647.07	332.34	314.73	
MW-69	1/3/2017	653.69	356.2	297.49	
MW-69	1/19/2017	653.69	355.57	298.12	
MW-72	1/3/2017	671.87	361.42	310.45	
MW-72	1/31/2017	671.87	361.29	310.58	

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Groundwater Elevation Data

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-73	1/3/2017	485.7	191.46	294.24	
MW-74	1/3/2017	531.26	240.43	290.83	
MW-74	1/9/2017	531.26	239.75	291.51	
MW-75	1/3/2017	532.4	245.87	286.53	
MW-75	1/5/2017	532.4	245.89	286.51	
MW-76	1/3/2017	491.71	139.21	352.50	
MW-79	1/3/2017	459.17	--	--	Damaged
MW-80	1/3/2017	530.41	239.37	291.04	
MW-80	1/4/2017	530.41	239.23	291.18	
MW-81	1/3/2017	493.66	184.44	309.22	
MW-81	1/5/2017	493.66	184.3	309.36	
MW-82	1/3/2017	474.85	123.61	351.24	
MW-83	1/3/2017	496.81	144.64	352.17	
MW-83	1/4/2017	496.81	144.45	352.36	
MW-84	1/3/2017	530.8	236.47	294.33	
MW-84	1/9/2017	530.8	239.65	291.15	
MW-85	1/3/2017	531.76	246.35	285.41	
MW-85	1/4/2017	531.76	246.23	285.53	
MW-86	1/3/2017	536.04	249.89	286.15	
MW-87	1/3/2017	537.31	248.58	288.73	
MW-87	1/5/2017	537.31	248.58	288.73	
MW-88	1/3/2017	513.68	227.4	286.28	
MW-89	1/3/2017	512.82	232.17	280.65	
MW-90	1/3/2017	502.22	221.64	280.58	
MW-91	1/3/2017	532.02	246.29	285.73	
MW-93	1/10/2017	632.15	307.82	324.33	
MW-93	1/3/2017	632.15	308.67	323.48	
MW-94	1/5/2017	495.51	140.54	354.97	
MW-94	1/3/2017	495.51	140.77	354.74	
MW-95	1/3/2017	571.54	251.31	320.23	
MW-98	1/3/2017	503.73	14.97	488.76	
MW-99	1/3/2017	493.64	200.59	293.05	
MW-100	1/3/2017	620.32	298.1	322.22	
MW-101	1/3/2017	474.72	32.22	442.50	
MW-101	1/20/2017	474.72	31.46	443.26	
MW-102	1/3/2017	552.48	45.01	507.47	
MW-103	1/3/2017	639.08	11.42	627.66	
MW-104	1/3/2017	629.68	25.3	604.38	
MW-105	1/3/2017	521.23	19.51	501.72	
MW-106	1/3/2017	475.47	190.86	284.61	
MW-EB5	1/3/2017	645.36	35.34	610.02	
MW-EB5S	1/3/2017	645.77	7.64	638.13	

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field)	Conductance (Field)	Temperature	Purge Volume	Dissolved Oxygen	ORP	Turbidity
			(std. Units)	(umhos/cm)	(°C)	(gal)	(mg/L)	mV	NTU
MW-30A	1/9/2017	W30A170109-	6.33	205	11.3			1.24	3
MW-47	1/9/2017	W47-170109-	6.7	670	12.4			0.77	17.96
MW-59	1/4/2017	W59-170104-	6.9	211.8	9.26	1.35	-92.7	37.4	2
MW-62	1/10/2017	W62-170110-	6.78	210	9.8			2.53	2.1
MW-66	1/18/2017	W66-170118-	7.1	241.5	9.9	4.71	239.3	1.18	2.75
MW-68	1/12/2017	W68-170112-	7.02	290.5	9.77	0.59	-29.4	16.4	3.5
MW-69	1/19/2017	W69-170119-	7.34	313.8	9.27	0.78	90	1.06	5
MW-72	1/31/2017	W72-170131-	7.07	352	9.81	2.29	-69.6	1.29	2.6
MW-74	1/9/2017	W74R170109-	7.03	623.5	9.74	5.28	300.2	1.23	2.5
MW-75	1/5/2017	W75-170105-	7.03	344.8	9.19	0.61	58	0.71	5.5
MW-80	1/4/2017	W80-170104-	7.14	310.9	8.81	1.05	-75	5.63	3
MW-81	1/5/2017	W81-170105-	7.18	168.1	9.01	6.59	261.3	7.02	1.5
MW-83	1/4/2017	W83-170104-	6.75	605.8	10.12	0.8	149.1	0.32	3
MW-84	1/9/2017	W84-170109-	7.02	199.8	9.18	1.41	268.9	0.2	3
MW-85	1/4/2017	W85-170104-	7.08	332	9.02	6.99	123	0.36	2.75
MW-87	1/5/2017	W87-170105-	6.78	512.5	9.13	1.15	65	57.6	2.3
MW-93	1/10/2017	W93-170110-	7.28	341.3	10.89	9.21	322	0.33	1.25
MW-94	1/5/2017	W94-170105-	6.74	290.4	8.6	2.9	235.6	1.1	3
MW-101	1/20/2017	W101170120-	6.99	530	9.9			3.5	0.6
MW-105	1/6/2017	NA		190					
SW-E1	1/6/2017	SE1-170106-	6.6	51.6	0.78	10.02	146.9	2.47	
EW-25	1/23/2017	EW25170123-			11.6				
FIELD BLANK	1/19/2017	W69-170119F	9.97	0.9	7.6				
FIELD BLANK	1/23/2017	EW25170123F			11.6				

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Groundwater Conventional Analytical Data

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO ₃)	Ammonia, (NH ₃)	Chloride	Nitrate- Nitrogen, (NO ₃ as N)	Nitrate+Nitri- Nitrogen, (NO ₃ +NO ₂)	Phosphorous Soluble, Reactive	Specific Conductanc	Sulfate (SO ₄)	Total Dissolved Solids	Total Organic Carbon	Total Solids	Suspended Solids
			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(umho/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-59	1/4/2017	W59-170104-	66.2	< 0.01 U	4.66	0.027 T	180	16.5	104	< 1 U	129	20.4	200	< 1 U
MW-30A	1/9/2017	W30A170109-	85	< 0.01 U	1.11	8.67	262	9.48	178	< 1 U	204	< 1 U	747	4
MW-47	1/9/2017	W47-170109-	590	0.135	5.19	< 0.01 U	1050	4.81	621	3.18	693	3.9	731	3.7
MW-62	1/10/2017	W62-170110-	66.2	< 0.01 U	3.29	3.6	207	14.7	143	< 1 U	151	2.4	113	1.2
MW-66	1/18/2017	W66-170118-	97.8	< 0.01 U	4.44	0.528	224	12	139	< 1 U	151	2	154	1
MW-68	1/12/2017	W68-170112-	130	0.019	2.57	< 0.01 U	285	13.8	173	< 1 U	199	14.8		
MW-69	1/19/2017	W69-170119-	133	0.0153	3.53	< 0.01 U	286	18	178	< 1 U	197	3.11	183	7.9
MW-72	1/31/2017	W72-170131-	125	0.0181	5.39	0.012 T	325	37.7	205	< 1 SU	222	4.6	180	1.1
MW-74	1/9/2017	W74R170109-	226	< 0.01 U	21.7	0.358	547	27	308	< 1 U	340	< 1 U	225	9.4
MW-75	1/5/2017	W75-170105-	106	< 0.01 U	9.74	0.011 T	346	52.7	202	< 1 U	237	< 1 U	340	< 1 U
MW-80	1/4/2017	W80-170104-	110	< 0.01 U	5.09	< 0.01 U	307	36.9	183	< 1 U	205	4.9	218	1.5
MW-81	1/5/2017	W81-170105-	51.6	< 0.01 U	4.74	1.42	150	7.52	85.3	< 1 U	121	15.7		
MW-83	1/4/2017	W83-170104-	164	< 0.01 U	62.9	1.58	536	8.64	305	5.03	344	< 1 U	215	29.6
MW-84	1/9/2017	W84-170109-	68.7	< 0.01 U	3.24	0.176	180	12.9	108	< 1 U	105	< 1 U	101	< 1 U
MW-85	1/4/2017	W85-170104-	120	< 0.01 U	9.26	0.124	335	34.5	201	< 1 U	199	< 1 U	379	< 1 U
MW-87	1/5/2017	W87-170105-	95.9	0.0178	9.54	0.011 T	511	143	338	< 1 U	378	26.4	98.7	< 1 U
MW-93	1/10/2017	W93-170110-	123	0.0518	2.63	< 0.01 U	340	42.8	217	< 1 U	233	< 1 U	199	< 1 U
MW-94	1/5/2017	W94-170105-	88.2	< 0.01 U	17.3	1	260	5.9	158	1.93	158	1		
MW-101	1/20/2017	W101170120-	316	0.0167	2.94	< 0.01 U	536	4.1	333	3.53	388	52.2	447	49.7
SW-E1	1/6/2017	SE1-170106-	13.3	0.0109	1.64	0.585	46.5	1.47	37.3	2.33	46.7	8.6	219	< 1 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	13	0.0102	1.75	0.609	45	1.57	39.3	2.1	49.3	11.7	174	< 1 U
FIELD BLANK	1/19/2017	W69-170119F	< 1 U	< 0.01 U	< 0.1 U	< 0.01 U	1.2 T	< 0.1 U	< 5 U	< 1 U	< 5 U	< 1 U	346	4.7

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill ---Groundwater Metals Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Antimony, dissolved (mg/L)	Antimony, total (mg/L)	Arsenic, dissolved (mg/L)	Arsenic, total (mg/L)	Barium, dissolved (mg/L)	Barium, total (mg/L)	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)
MW-30A	1/9/2017	W30A170109-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00376	0.00469	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	19.3	20.7 D
MW-47	1/9/2017	W47-170109-	< 0.001 U	< 0.001 U	0.00561	0.00431	0.0406	0.044	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	115	121 D
MW-59	1/4/2017	W59-170104-	< 0.001 U	< 0.001 U	< 0.001 U	0.001	0.00335	0.00548	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	12.6	14.9 D
MW-62	1/10/2017	W62-170110-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00141	0.00173	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	16.2	15.9
MW-66	1/18/2017	W66-170118-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.0045	0.00477	< 0.001 U	< 0.001 U	< 0.002 DU	< 0.002 U	17.5	16.7
MW-68	1/12/2017	W68-170112-	< 0.001 U	< 0.001 U	0.0113	0.109	0.0109	0.0123	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	25.5	25.5
MW-69	1/19/2017	W69-170119-	< 0.001 U	< 0.001 U	0.00213	0.00213	0.0113	0.0116	< 0.001 U	< 0.001 U	< 0.002 DU	< 0.002 U	29.8	29.1
MW-72	1/31/2017	W72-170131-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.0105	0.0113	< 0.001 U	< 0.001 U	< 0.002 D	< 0.002 U	27.6	28.5
MW-74	1/9/2017	W74R170109-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.0126	0.0118	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	45.8	43.6
MW-75	1/5/2017	W75-170105-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.0109	0.0123	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	25.3	27.1 D
MW-80	1/4/2017	W80-170104-	< 0.001 U	< 0.001 U	0.00416	0.00609	0.0131	0.0159	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	26.1	30.4 D
MW-81	1/5/2017	W81-170105-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00262	0.00487	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	11	12.7 D
MW-83	1/4/2017	W83-170104-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00793	0.00884	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	52.9	55 D
MW-84	1/9/2017	W84-170109-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00385	0.00378	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	12.1	12.4
MW-85	1/4/2017	W85-170104-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00563	0.00654	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	26.4	29.6 D
MW-87	1/5/2017	W87-170105-	< 0.001 U	< 0.001 U	< 0.001 U	0.0105	0.0237	0.0332	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	40.4	43.3 D
MW-93	1/10/2017	W93-170110-	< 0.001 U	< 0.001 U	0.00144	0.00116	0.00821	0.00817	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	30.5	30.7
MW-94	1/5/2017	W94-170105-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00217	0.00269	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	23.2	24.2 D
MW-101	1/20/2017	W101170120-	< 0.001 U	< 0.001 U	0.0117	0.0103	0.0217	0.0229	< 0.001 U	< 0.001 U	< 0.002 DU	< 0.002 U	60.8 D	48.6
FIELD BLANK	1/19/2017	W69-170119F	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 DU	< 0.002 U	< 0.01 U	< 0.01 U
SW-E1	1/6/2017	SE1-170106-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00249	0.00457	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	3.97	4.41 D
EQUIPMENT BLANK	3/9/2017	WU1H170309E	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U		< 0.002 U		< 0.01 U	
EQUIPMENT BLANK	3/9/2017	WU1S170309E	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U		< 0.002 U		< 0.01 U	
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00258	0.00412	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	4.08	4.33 D

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill ---Groundwater Metals Analytical Data

Contact Person: ~~Sandy Jimenez (206) 477-5224~~

Site	Date	Sample ID	Chromium, dissolved (mg/L)	Chromium, total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)
MW-30A	1/9/2017	W30A170109-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.114 D	< 0.001 U	< 0.001 U	11.5	12.5 D	< 0.001 U
MW-47	1/9/2017	W47-170109-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	4.4	4.2 D	< 0.001 U	< 0.001 U	56.6	58.7 D	2.53
MW-59	1/4/2017	W59-170104-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	2.85	6.42 D	< 0.001 U	< 0.001 U	8.34	9.21 D	0.114
MW-62	1/10/2017	W62-170110-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.113	< 0.001 U	< 0.001 U	6.07	6.1	< 0.001 U
MW-66	1/18/2017	W66-170118-	< 0.005 U	< 0.005 U	< 0.003 DU	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.084	< 0.001 DU	< 0.001 U	14.2	14.9	< 0.001 DU
MW-68	1/12/2017	W68-170112-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	0.00259	0.448	3.02	< 0.001 U	< 0.001 U	14.2	14.2	0.289
MW-69	1/19/2017	W69-170119-	< 0.005 U	< 0.005 U	< 0.003 DU	< 0.003 U	< 0.002 U	< 0.002 U	1.08	1.21	< 0.001 DU	< 0.001 U	14.9	15.4	0.254 D
MW-72	1/31/2017	W72-170131-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	2.35	2.55	< 0.001 U	< 0.001 U	17.8	17.3	0.352
MW-74	1/9/2017	W74R170109-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.119	< 0.001 U	< 0.001 U	34.5	33.2	< 0.001 U
MW-75	1/5/2017	W75-170105-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	2.09	2.27 D	< 0.001 U	< 0.001 U	20.4	20.4 D	0.17
MW-80	1/4/2017	W80-170104-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	1.82	2.68 D	< 0.001 U	< 0.001 U	14.7	16 D	0.289
MW-81	1/5/2017	W81-170105-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.479 D	< 0.001 U	< 0.001 U	6.45	6.98 D	< 0.001 U
MW-83	1/4/2017	W83-170104-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	0.00265	0.00294	< 0.01 U	< 0.01 DU	< 0.001 U	< 0.001 U	22.7	23 D	0.00179
MW-84	1/9/2017	W84-170109-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.001 U	< 0.001 U	9.48	9.54	< 0.001 U
MW-85	1/4/2017	W85-170104-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 DU	< 0.001 U	< 0.001 U	17.8	18.5 D	< 0.001 U
MW-87	1/5/2017	W87-170105-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	4.16	13.3 D	< 0.001 U	< 0.001 U	30	28.9 D	0.501
MW-93	1/10/2017	W93-170110-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.001 U	< 0.001 U	16	16.3	0.225
MW-94	1/5/2017	W94-170105-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	0.0508 D	< 0.001 U	< 0.001 U	11.3	11.1 D	< 0.001 U
MW-101	1/20/2017	W101170120-	< 0.005 U	< 0.005 U	< 0.003 DU	< 0.003 U	< 0.002 U	< 0.002 U	1.12	1.34	< 0.001 DU	< 0.001 U	30.5	34.5	1.37 D
FIELD BLANK	1/19/2017	W69-170119F	< 0.005 U	< 0.005 U	< 0.003 DU	< 0.003 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.001 DU	< 0.001 U	< 0.015 U	< 0.015 U	< 0.001 DU
SW-E1	1/6/2017	SE1-170106-	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	0.047 T	0.311 D	< 0.001 U	< 0.001 U	1.01	1.09 D	0.0477
EQUIPMENT BLANK	3/9/2017	WU1H170309E	< 0.005 U		< 0.003 U		< 0.002 U		< 0.01 U		< 0.001 DU		< 0.015 U		
EQUIPMENT BLANK	3/9/2017	WU1S170309E	< 0.005 U		< 0.003 U		< 0.002 U		< 0.01 U		< 0.001 DU		< 0.015 U		
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.005 U	< 0.005 U	< 0.003 U	< 0.003 U	< 0.002 U	< 0.002 U	0.049 T	0.21 D	0.00143	< 0.001 U	1.04	1.07 D	0.0497

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill ---Groundwater Metals Analytical Data

Contact Person: ~~Sandy Jimenez (206) 477-5224~~

Site	Date	Sample ID	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)
MW-30A	1/9/2017	W30A170109-	0.00105 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.62	1.41 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-47	1/9/2017	W47-170109-	2.71 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	4.72	4.49 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-59	1/4/2017	W59-170104-	0.149 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.01	1.12 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-62	1/10/2017	W62-170110-	0.00256	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.1	1.16 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-66	1/18/2017	W66-170118-	0.00184	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.14	1.22	< 0.001 U	< 0.001 U	< 0.003 DU
MW-68	1/12/2017	W68-170112-	0.305	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.69	1.76 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-69	1/19/2017	W69-170119-	0.227	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.69	1.87	< 0.001 U	< 0.001 U	< 0.003 DU
MW-72	1/31/2017	W72-170131-	0.353	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.72	1.78	< 0.001 U	< 0.001 U	< 0.003 U
MW-74	1/9/2017	W74R170109-	0.00665	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	2.29	2.26 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-75	1/5/2017	W75-170105-	0.177 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.88	1.87 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-80	1/4/2017	W80-170104-	0.331 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.58	1.64 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-81	1/5/2017	W81-170105-	0.0144 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	0.814	0.845 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-83	1/4/2017	W83-170104-	0.00207 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	3.16	3.08 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-84	1/9/2017	W84-170109-	< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.07	1.12 D	0.00117	< 0.001 U	< 0.003 U
MW-85	1/4/2017	W85-170104-	< 0.001 DU	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.52	1.6 D	0.00122	0.00106	< 0.003 U
MW-87	1/5/2017	W87-170105-	0.545 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	2.34	2.39 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-93	1/10/2017	W93-170110-	0.221	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	1.6	1.73 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-94	1/5/2017	W94-170105-	0.00604 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	2.09	2 D	< 0.001 U	< 0.001 U	< 0.003 U
MW-101	1/20/2017	W101170120-	1.08	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	2.67	2.7	< 0.001 U	< 0.001 U	< 0.003 DU
FIELD BLANK	1/19/2017	W69-170119F	< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	< 0.3 U	< 0.3 U	< 0.001 U	< 0.001 U	< 0.003 DU
SW-E1	1/6/2017	SE1-170106-	0.184 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	0.38 T	0.35 DT	< 0.001 U	< 0.001 U	< 0.003 U
EQUIPMENT BLANK	3/9/2017	WU1H170309E		< 0.0001 U				< 0.3 U		< 0.001 U		< 0.003 U
EQUIPMENT BLANK	3/9/2017	WU1S170309E		< 0.0001 U				< 0.3 U		< 0.001 U		< 0.003 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	0.132 D	< 0.0001 U	< 0.0001 U	< 0.01 U	< 0.01 U	0.39 T	0.35 DT	< 0.001 U	< 0.001 U	< 0.003 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill ---Groundwater Metals Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-30A	1/9/2017	W30A170109-	< 0.003 U	10.5	11.4 D	< 0.001 U	< 0.001 U	< 0.002 U	0.00209	< 0.004 U	< 0.004 U
MW-47	1/9/2017	W47-170109-	< 0.003 U	18.8	20.1 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-59	1/4/2017	W59-170104-	< 0.003 U	5.4	5.91 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	0.00748
MW-62	1/10/2017	W62-170110-	< 0.003 U	13.3	13	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-66	1/18/2017	W66-170118-	< 0.003 U	7.28	7.47	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-68	1/12/2017	W68-170112-	< 0.003 U	8.2	8.14	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-69	1/19/2017	W69-170119-	< 0.003 U	7.79	8	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-72	1/31/2017	W72-170131-	< 0.003 U	7.31	7.85	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-74	1/9/2017	W74R170109-	< 0.003 U	12.1	11.7	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-75	1/5/2017	W75-170105-	< 0.003 U	8.6	8.7 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-80	1/4/2017	W80-170104-	< 0.003 U	7.34	8.05 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-81	1/5/2017	W81-170105-	< 0.003 U	5.97	6.49 D	< 0.001 U	< 0.001 U	< 0.002 U	0.00253	< 0.004 U	0.00895
MW-83	1/4/2017	W83-170104-	< 0.003 U	11.3	11.7 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-84	1/9/2017	W84-170109-	< 0.003 U	6.05	6.08	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-85	1/4/2017	W85-170104-	< 0.003 U	8.65	9.09 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-87	1/5/2017	W87-170105-	< 0.003 U	10.4	10.1 D	< 0.001 U	< 0.001 U	< 0.002 U	0.00233	< 0.004 U	< 0.004 U
MW-93	1/10/2017	W93-170110-	< 0.003 U	8.93	8.99	< 0.001 U	< 0.001 U	0.00224	< 0.002 U	< 0.004 U	< 0.004 U
MW-94	1/5/2017	W94-170105-	< 0.003 U	7.1	7.01 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
MW-101	1/20/2017	W101170120-	< 0.003 U	14.8	14.4	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
FIELD BLANK	1/19/2017	W69-170119F	< 0.003 U	< 0.05 U	< 0.05 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
SW-E1	1/6/2017	SE1-170106-	< 0.003 U	2.36	2.47 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U
EQUIPMENT BLANK	3/9/2017	WU1H170309E		< 0.05 U		< 0.001 DU		< 0.002 U		< 0.004 U	
EQUIPMENT BLANK	3/9/2017	WU1S170309E		< 0.05 U		< 0.001 DU		< 0.002 U		< 0.004 U	
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.003 U	2.42	2.44 D	< 0.001 U	< 0.001 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.004 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
Cedar Hills Landfill --- Groundwater VOA Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-Tetrachloro-ethane 630-20-6 (ug/L)	1,1,1-Trichloro-ethane 71-55-6 (ug/L)	1,1,2,2-Tetrachloro-ethane 79-34-5 (ug/L)	1,1,2-Trichloro-ethane 79-00-5 (ug/L)	1,1-Dichloro-ethane 75-34-3 (ug/L)	1,1-Dichloro-ethene 75-35-4 (ug/L)	1,2,3-Trichloro-propane 96-18-4 (ug/L)	1,2-Dibromo-3-Chloropropane 96-12-8 (ug/L)	1,2-Dibromo-ethane 106-93-4 (ug/L)	1,2-Dichloro-benzene 95-50-1 (ug/L)	1,2-Dichloro-ethane 107-06-2 (ug/L)	1,2-Dichloro-propane 78-87-5 (ug/L)
EW-25	1/23/2017	EW25170123-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-30A	1/9/2017	W30A170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	1.54	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-47	1/9/2017	W47-170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.753	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-59	1/4/2017	W59-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-62	1/10/2017	W62-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	1.29	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-66	1/18/2017	W66-170118-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-68	1/12/2017	W68-170112-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-69	1/19/2017	W69-170119-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-72	1/31/2017	W72-170131-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-74	1/9/2017	W74R170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-75	1/5/2017	W75-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-80	1/4/2017	W80-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-81	1/5/2017	W81-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-83	1/4/2017	W83-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-84	1/9/2017	W84-170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-85	1/4/2017	W85-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-87	1/5/2017	W87-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-93	1/10/2017	W93-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-94	1/5/2017	W94-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-101	1/20/2017	W101170120-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1	1/6/2017	SE1-170106-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
EQUIPMENT BLANK	1/23/2017	EW25170123F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/19/2017	W69-170119F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170106X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/6/2017	VTRP170109X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170109Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/9/2017	VTRP170110Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170112X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/12/2017	VTRP170118X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170119Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170120X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/31/2017	VTRP170131X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/23/2017	VTRP170123X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
Cedar Hills Landfill --- Groundwater VOA Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	1,4-Dichloro- benzene	2-Butanone	2-Hexanone	4-Methyl-2- Pentanone	Acetone	Arylonitrile	Benzene	Bromochloro- methane	Bromodichloro- methane	Bromoform	Bromo- methane	Carbon Disulfide
			106-46-7 (ug/L)	78-93-3 (ug/L)	591-78-6 (ug/L)	108-10-1 (ug/L)	67-64-1 (ug/L)	107-13-1 (ug/L)	71-43-2 (ug/L)	74-97-5 (ug/L)	75-27-4 (ug/L)	75-25-2 (ug/L)	74-83-9 (ug/L)	75-15-0 (ug/L)
EW-25	1/23/2017	EW25170123-	< 0.2 U	< 4 U	< 4 U	< 4 U	89 D	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-30A	1/9/2017	W30A170109-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-47	1/9/2017	W47-170109-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-59	1/4/2017	W59-170104-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-62	1/10/2017	W62-170110-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-66	1/18/2017	W66-170118-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-68	1/12/2017	W68-170112-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-69	1/19/2017	W69-170119-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-72	1/31/2017	W72-170131-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-74	1/9/2017	W74R170109-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-75	1/5/2017	W75-170105-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-80	1/4/2017	W80-170104-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-81	1/5/2017	W81-170105-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-83	1/4/2017	W83-170104-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-84	1/9/2017	W84-170109-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-85	1/4/2017	W85-170104-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-87	1/5/2017	W87-170105-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-93	1/10/2017	W93-170110-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.33 T
MW-94	1/5/2017	W94-170105-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-101	1/20/2017	W101170120-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1	1/6/2017	SE1-170106-	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
EQUIPMENT BLANK	1/23/2017	EW25170123F	< 0.2 U	< 4 U	< 4 U	< 4 U	25.2	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/19/2017	W69-170119F	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104Y	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105Y	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170106X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/6/2017	VTRP170109X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170109Y	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/9/2017	VTRP170110Y	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170112X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/12/2017	VTRP170118X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170119Y	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170120X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/31/2017	VTRP170131X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/23/2017	VTRP170123X	< 0.2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
Cedar Hills Landfill --- Groundwater VOA Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Carbon Tetrachloride 56-23-5 (ug/L)	Chloro- benzene 108-90-7 (ug/L)	Chloro- dibromo- methane 124-48-1 (ug/L)	Chloro- ethane 75-00-3 (ug/L)	Chloroform 67-66-3 (ug/L)	Chloro- methane 74-87-3 (ug/L)	cis-1,2- Dichloro- ethene 156-59-2 (ug/L)	cis-1,3- Dichloro- propene 10061-01-5 (ug/L)	Dibromo- methane 74-95-3 (ug/L)	Dichloro- difluoro- methane 75-71-8 (ug/L)	Ethyl - benzene 100-41-4 (ug/L)	m, p-Xylene (ug/L)
EW-25	1/23/2017	EW25170123-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.38 T	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-30A	1/9/2017	W30A170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	3.76	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-47	1/9/2017	W47-170109-	< 0.2 U	< 0.2 U	< 0.2 U	0.28 T	< 0.2 U	< 0.2 GU	2.88	< 0.2 U	< 0.2 U	6.31	< 0.2 U	< 0.2 U
MW-59	1/4/2017	W59-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	1.37	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-62	1/10/2017	W62-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	3.62	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-66	1/18/2017	W66-170118-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-68	1/12/2017	W68-170112-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-69	1/19/2017	W69-170119-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-72	1/31/2017	W72-170131-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-74	1/9/2017	W74R170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-75	1/5/2017	W75-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-80	1/4/2017	W80-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-81	1/5/2017	W81-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-83	1/4/2017	W83-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-84	1/9/2017	W84-170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-85	1/4/2017	W85-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-87	1/5/2017	W87-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-93	1/10/2017	W93-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-94	1/5/2017	W94-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
MW-101	1/20/2017	W101170120-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.2 T	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1	1/6/2017	SE1-170106-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
EQUIPMENT BLANK	1/23/2017	EW25170123F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/19/2017	W69-170119F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/3/2017	VTRP170104Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/4/2017	VTRP170105Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170106X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/6/2017	VTRP170109X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/5/2017	VTRP170109Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/9/2017	VTRP170110Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170112X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/12/2017	VTRP170118X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170119Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/18/2017	VTRP170120X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/31/2017	VTRP170131X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 GU	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/23/2017	VTRP170123X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
Cedar Hills Landfill --- Groundwater VOA Analytical Data

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Iodide	Methylene Chloride	o-Xylene	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	trans-1,4- Dichloro-2- butene	Trichloro- ethene	Trichloro- fluoro- methane	Vinyl Acetate	Vinyl Chloride
			74-88-4 (ug/L)	75-09-2 (ug/L)	95-47-6 (ug/L)	100-42-5 (ug/L)	127-18-4 (ug/L)	108-88-3 (ug/L)	156-60-5 (ug/L)	10061-02-6 (ug/L)	110-57-6 (ug/L)	79-01-6 (ug/L)	75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
EW-25	1/23/2017	EW25170123-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	0.441	< 0.2 U	< 0.2 U	< 0.02 U
MW-30A	1/9/2017	W30A170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	0.898	< 0.2 U	< 0.2 U	< 0.02 U
MW-47	1/9/2017	W47-170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	6.38
MW-59	1/4/2017	W59-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-62	1/10/2017	W62-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-66	1/18/2017	W66-170118-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-68	1/12/2017	W68-170112-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-69	1/19/2017	W69-170119-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-72	1/31/2017	W72-170131-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-74	1/9/2017	W74R170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-75	1/5/2017	W75-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-80	1/4/2017	W80-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-81	1/5/2017	W81-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-83	1/4/2017	W83-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	1.68	< 0.2 U	< 0.2 U	< 0.02 U
MW-84	1/9/2017	W84-170109-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-85	1/4/2017	W85-170104-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-87	1/5/2017	W87-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-93	1/10/2017	W93-170110-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
MW-94	1/5/2017	W94-170105-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	2.79	< 0.2 U	< 0.2 U	< 0.02 U
MW-101	1/20/2017	W101170120-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	0.448
SW-E1	1/6/2017	SE1-170106-	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
SW-E1 DUPLICATE	1/6/2017	SE1-170106D	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
EQUIPMENT BLANK	1/23/2017	EW25170123F	< 0.2 U	< 0.2 U	< 0.2 U	0.21 T	< 0.2 U	2.13	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
FIELD BLANK	1/19/2017	W69-170119F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.31 T	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/3/2017	VTRP170104X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/3/2017	VTRP170104Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/4/2017	VTRP170105X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/4/2017	VTRP170105Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/5/2017	VTRP170106X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/6/2017	VTRP170109X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/5/2017	VTRP170109Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/10/2017	VTRP170110X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/9/2017	VTRP170110Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/11/2017	VTRP170112X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/12/2017	VTRP170118X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/18/2017	VTRP170119Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/18/2017	VTRP170120X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/31/2017	VTRP170131X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/23/2017	VTRP170123X	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.02 U

Surface Water Analytical Data

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill ---Surface Water Elevation-Staff Gage Measurements

Contact Person: Sindy Jimenez (206) 477-5224

Staff Gage	Location	Date	Reference Elevation Staff Gage 0' (msl)	Reference Elevation Top of Peizo (msl)	Depth to Water (Peizometer) (feet)	Staff Gage Reading (feet)	Surface Water Elevation (msl)
SW-G1	SW-W1	1/6/2017	415.38	418.84		0.60	415.98
SW-G1	SW-W1	2/8/2017	415.38	418.84		0.60	415.98
SW-G1	SW-W1	3/1/2017	415.38	418.84		0.60	415.98
SW-G2	SW-N1	1/6/2017	355.68	358.21		0.60	356.28
SW-G2	SW-N1	2/8/2017	355.68	358.21		0.60	356.28
SW-G2	SW-N1	3/1/2017	355.68	358.21		0.60	356.28
SW-G3	SW -V	1/6/2017	466.46	469.88		0.60	467.06
SW-G3	SW -V	2/8/2017	466.46	469.88		0.60	467.06
SW-G3	SW -V	3/1/2017	466.46	469.88		0.60	467.06
SW-G4	Upstream of SW-E1	1/6/2017	502.41	505.85		0.60	503.01
SW-G4	Upstream of SW-E1	2/8/2017	502.41	505.85		0.60	503.01
SW-G4	Upstream of SW-E1	3/1/2017	502.41	505.85		0.60	503.01
SW-G5	SW-E1	1/6/2017	486.92	490.34		0.60	487.52
SW-G5	SW-E1	2/8/2017	486.92	490.34		0.60	487.52
SW-G5	SW-E1	3/1/2017	486.92	490.34		0.60	487.52
SW-G6	Upstream of SW-GS1	1/6/2017	490.72	494.12	3		497.12
SW-G6	Upstream of SW-GS1	2/8/2017	490.72	494.12		0.60	491.32
SW-G6	Upstream of SW-GS1	3/1/2017	490.72	494.12	2.68		496.80
SW-G7	SW-S2	1/6/2017	453.03	456.41		0.60	453.63
SW-G7	SW-S2	2/8/2017	453.03	456.41		0.60	453.63
SW-G7	SW-S2	3/1/2017	453.03	456.41		0.60	453.63
SW-G8	Upstream of SW-S1	1/6/2017	510.61	515.56		0.60	511.21
SW-G8	Upstream of SW-S1	2/8/2017	510.61	515.56		0.60	511.21
SW-G8	Upstream of SW-S1	3/1/2017	510.61	515.56		0.60	511.21
SW-G9	SW-S1	1/6/2017	490.93	494.35		0.60	491.53
SW-G9	SW-S1	2/8/2017	490.93	494.35		0.60	491.53
SW-G9	SW-S1	3/1/2017	490.93	494.35		0.60	491.53

NR = No Reading Taken

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Surface Water Field Parameters

Contact Person: ~~Sandy Jimenez~~ (206) 477-5224

Site	Date	Sample ID	pH (Field)	Conductance (Field)	Temperature	Turbidity	Oxygen, Dissolved
			(std. Units)	(umho/cm)	(°C)	(NTU)	(mg/L)
SW-GS1	1/17/2017	SGS1170117P	7.25	200	5.5	9.01	9.45
SW-N4	1/17/2017	SN4-170117P	7.29	110	5.5	2.76	11.1
SW-SL3	1/17/2017	SSL3170117P	7.45	125	6.4	6.75	10.76
SW-TD1	1/18/2017	STD1170118-	7.92	90	5.4	70.5	10.34
SW-TD2	1/18/2017	STD2170118-	7.26	37	5.9	19.7	10.43
SW-TD4	1/18/2017	STD4170118-	8.18	38	7.4	5.05	10.7
SW-TD6	1/18/2017	STD6170118-	7.03	53	5.6	9.53	9.94

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Storm Water IGSW Permit Analytes
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Suspended Solids (mg/L)	Copper, total (mg/L)	Zinc, total (mg/L)	3-,4- Methylphenol mixture (ug/L)	alpha Terpineol (ug/L)	Benzoic Acid (ug/L)	Phenol (ug/L)
SW-GS1	1/17/2017	SGS1170117P	< 0.01 U	< 2 U	3.9	0.00609	0.00567	< 10 U	< 5 U	< 50 U	< 4 U
SW-N4	1/17/2017	SN4-170117P	0.0341	< 2 U	1	0.00949	0.0242	< 10 U	< 5 U	< 50 U	< 4 U
SW-SL3	1/17/2017	SSL3170117P	< 0.01 U	< 2 U	2.8	0.00233	0.0044	< 10 U	< 5 U	< 50 U	< 4 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Storm Water IGSW Permit Analytes
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Conductance (Field) (umho/cm)	Temperature (Field) (°C)	Turbidity (Field) (NTU)	Alkalinity, Total (CaCO3) (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Iron dossolved (mg/L)	Iron total (mg/L)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
SW-TD1	1/18/2017	STD1170118-	7.92	90	5.4	70.5	37.4	18 T	2.06	0.0616	3.42	6.67	4.22
SW-TD2	1/18/2017	STD2170118-	7.26	37	5.9	19.7	14.3	18 T	0.476	0.0564	0.663	1.74	3.69
SW-TD4	1/18/2017	STD4170118-	8.18	38	7.4	5.05	14.4	14 T	0.776	0.042 T	0.126	0.641	2.83
SW-TD6	1/18/2017	STD6170118-	7.03	53	5.6	9.53	18.9	15 T	1.23	0.0718	0.337	1.89	3.28

Washington Department of Ecology Submission Cover Letter

**WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1579493 -
4/21/2017 10:38:55 AM**

Report Received Dated:

4/21/2017 10:38:56 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Pamela Badger	WQWebPortal

Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Friday April 21 2017

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

**For Ecology Use Only ---
Dev**



7pv5wbJPvo9tJ2k5juyWM7OWoAxcFuSeAwooUa3ALD/gQ7tqcvR
+Clj8/WoU4OAqr3oPh1iKdz7L8F2vCo1ogFBZlvxBnbnCSSQan04+HV0=



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Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2017 - 03/31/2017

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
	Limit Set	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1/17/17	9.01	7.25	No	6.09	5.67	<2	3.9	<0.01	<5	<50	<10
Minimum			7.25 BM: >= 5.0 (RO)									
Average		9.01 BM: <= 25			6.09 BM: <= 14	5.67 BM: <= 117						
Maximum			7.25 BM: <= 9.0 (RO)									
Month 1 Average							<2 =< 37	3.9 =< 27	<0.01 =< 4.9	<5 =< 16	<50 =< 71	<10 =< 14
Month 2 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14
Month 3 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP



		Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
Week	Monitoring Point	GS1	GS1	GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1/17/17	<4	5.67	7.25
Minimum				7.25
				>= 6.0 (RO)
Average				
Maximum				7.25
				<= 9.0 (RO)
Month 1 Average		<4	5.67	
		<= 15	<= 110	
Month 2 Average		M	M	
		<= 15	<= 110	
Month 3 Average		M	M	
		<= 15	<= 110	



Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2017 - 03/31/2017

Outfall: N4 - Discharge to unnamed stream (McDonald Cr)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		N4	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4
	Limit Set	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1/17/17	2.76	7.29	No	9.49	24.2	<2	1	0.0341	<5	<50	<10
Minimum			7.29 BM: >= 5.0 (RO)									
Average		2.76 BM: <= 25			9.49 BM: <= 14	24.2 BM: <= 117						
Maximum			7.29 BM: <= 9.0 (RO)									
Month 1 Average							<2 =< 37	1 =< 27	0.0341 =< 4.9	<5 =< 16	<50 =< 71	<10 =< 14
Month 2 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14
Month 3 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP



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Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2017 - 03/31/2017

Outfall: SL3 - Discharge to unnamed stream (ditch)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total 50 D5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
	Limit Set	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1/17/17	6.75	7.45	No	2.33	4.4	<2	2.8	<0.01	<5	<50	<10
Minimum			7.45 BM: >= 5.0 (RO)									
Average		6.75 BM: <= 25			2.33 BM: <= 14	4.4 BM: <= 117						
Maximum			7.45 BM: <= 9.0 (RO)									
Month 1 Average							<2 =< 37	2.8 =< 27	<0.01 =< 4.9	<5 =< 16	<50 =< 71	<10 =< 14
Month 2 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14
Month 3 Average							M =< 37	M =< 27	M =< 4.9	M =< 16	M =< 71	M =< 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Pamela Badger

4/21/2017 10:38:55 AM

Signature

Date



		Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
Week	Monitoring Point	SL3	SL3	SL3
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1/17/17	<4	4.4	7.45
Minimum				7.45
				>= 6.0 (RO)
Average				
Maximum				7.45
				<= 9.0 (RO)
Month 1 Average	<4	4.4		
	<= 15	<= 110		
Month 2 Average	M	M		
	<= 15	<= 110		
Month 3 Average	M	M		
	<= 15	<= 110		

Leachate Analytical Data

Leachate Monitoring Activities 1st Quarter 2017

Station ID	Date	Activity	Sample ID	Comment
API	1/11/17	Monthly Characterization Sample	LAPI170111M	
API	2/15/17	Monthly Characterization Sample	LAPI170215M	
API	3/15/17	Monthly Characterization Sample	LAPI170315M	
LEPS	1/11/17	Monthly Characterization Sample	LEPS170110M	
LEPS	1/11/17	Permit Sample	LEPS170110P	
LEPS	2/15/17	Monthly Characterization Sample	LEPS170214M	
LEPS	2/15/17	Permit Sample	LEPS170214P	
LEPS	3/15/17	Monthly Characterization Sample	LEPS170314M	
LEPS	3/15/17	Monthly Characterization Sample	LEPS170314P	
MH46N	1/11/17	Monthly Characterization Sample	L46N170111M	
MH46N	2/15/17	Monthly Characterization Sample	L46N170215M	
MH46N	3/15/17	Monthly Characterization Sample	L46N170315-	
PS2A	2/15/17	Monthly Characterization Sample	LP2A170215M	
PS2A	3/15/17	Monthly Characterization Sample	LP2A170315M	
PS2A	1/11/17	Monthly Characterization Sample	LP2A170111M	
FIELD BLANK	1/11/17	QA/QC Sample	LAPI170111F	

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate Field Parameters

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field)	Conductance (Field)	Temperature
			(std. Units)	(umho/cm)	(o C)
LS-API	1/11/2017	LAPI170111M	8.05	4500	16.2
LS-API	2/15/2017	LAPI170215M	7.08	2400	13
LS-API	3/15/2017	LAPI170315M	6.67	1500	12.1
LS-LEPS	1/10/2017	LEPS170110M	8.29	5550	8
LS-LEPS	1/10/2017	LEPS170110P	8.29	5550	8
LS-LEPS	2/15/2017	LEPS170214M	8.1	3650	9.4
LS-LEPS	2/15/2017	LEPS170214P	8.1	3650	9.4
LS-LEPS	3/15/2017	LEPS170314M	7.94	2500	12.4
LS-LEPS	3/15/2017	LEPS170314P	7.94	2500	12.4
LS-MH46N	1/11/2017	L46N170111M	7.17	4650	9.6
LS-MH46N	2/15/2017	L46N170215M	7.09	5100	22.7
LS-MH46N	3/15/2017	L46N170315M	6.93	4300	25.3
LS-PS2A	1/11/2017	LP2A120111M	7.85	365	8.8
LS-PS2A	2/15/2017	LP2A170215M	7.99	130	8.2
LS-PS2A	3/15/2017	LP2A170315M	7.84	90	8.2
FIELD BLANK	1/11/2017	LAPI170111F	11.09	58	-1.5

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Leachate Conventional Analytical Data
 Contact Person --- Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO ₃)	Ammonia, (NH ₃ as N)	Biological Oxygen Demand	Chemical Oxygen Demand	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fluoride	Nitrate+Nitrite (NO ₃ +NO ₂ as N)	Phosphorus, Total (as P)
			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(CFU/100mL)	(CFU/100mL)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
LS-API	1/11/2017	LAPI170111M	4400	954	1190	3180	1090	45000	310000	< 0.02 GU	< 0.1 U	0.37 T	6.97
LS-API	2/15/2017	LAPI170215M	2110	414	1180	2500	286	47000 C	340000	< 0.02 U	< 0.1 U	0.27 T	3.95
LS-API	3/15/2017	LAPI170315M	945	164	1060	1740	193	34000	180000	< 0.02 U	< 0.1 U	0.14 T	1.81
LS-LEPS	1/11/2017	LEPS170110M	2170	398	176	977	483	29000	140000	< 0.02 GU	< 0.1 U	< 0.01 U	5.02
LS-LEPS	2/15/2017	LEPS170214M	1170	206	622	1360	278	35000	250000	< 0.02 U	< 0.1 U	< 0.01 U	2.3
LS-LEPS	3/15/2017	LEPS170314M	1340	237	408	1010	316	15000 H	150000 H	< 0.02 U	< 0.1 U	< 0.01 U	2.41
LS-MH46N	1/11/2017	L46N170111M	3130	674	115	1760	1740	< 1 U	20	< 0.02 GU	< 0.1 U	0.3 T	4.05
LS-MH46N	2/15/2017	L46N170215M	2730	581	107	1510	877	< 1 U	< 1 U	< 0.02 U	< 0.1 U	< 0.01 U	3.57
LS-MH46N	3/15/2017	L46N170315M	2450	519	229.63 L	1250	1270	< 1 U	< 1 U	0.011 ST	< 0.1 U	0.11 T	3.14
LS-PS2A	1/11/2017	LP2A170111M	107	15.1	7.33	57	33.1	< 1 U	70	< 0.02 U	< 0.1 U	1.07	0.12 T
LS-PS2A	2/15/2017	LP2A170215M	35.8	2.18	8.86	29.4	5.86	< 1 U	23	< 0.02 U	< 0.1 U	0.568	< 0.1 U
LS-PS2A	3/15/2017	LP2A170315M	29.6	1.1	7.45	29.7	2.45	16	60	< 0.02 U	0.056	0.464	0.18 T
FIELD BLANK	1/11/2017	LAPI170111F	< 1 U	< 0.01 U	< 2 U	< 5 U	< 0.1 U	< 1 U	< 1 U	< 0.02 U	< 0.1 U	< 0.01 U	< 0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Leachate Conventional Analytical Data
 Contact Person --- Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Phosphorus, Sol. Reactive	Specific Conductance	Sulfate (SO ₄)	Sulfide Total	Total Fats, Oils and Grease	Total Kjeldahl Nitrogen (TKN as N)	Total Organic Carbon	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
				(µmho/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
LS-API	1/11/2017	LAPI170111M	4.85	11300	28.8	0.705	3.7 T	959	779 S	43	2120	30.5
LS-API	2/15/2017	LAPI170215M	1.6 T	6030	61.9	0.483	5.1 BT	469	745	65	1590	40
LS-API	3/15/2017	LAPI170315M	0.251	2900	55.2	0.423	4 T	170	560	89	1500	38
LS-LEPS	1/11/2017	LEPS170110M	0.0389	5670	39.5	0.19 T	< 2 U	466	160 T	273	1070	242
LS-LEPS	2/15/2017	LEPS170214M	0.0211	3570	69.9	0.3 T	2.8 BT	199	337	274	980	218
LS-LEPS	3/15/2017	LEPS170314M	0.0273	3830	42.7	0.615	2.3 T	244	200	190	1260	148
LS-MH46N	1/11/2017	L46N170111M	3.5 T	11100	7.49	0.31	4.1 T	737	447 S	3.4	1390	2.6
LS-MH46N	2/15/2017	L46N170215M	3.33	10200	3.2 T	1.15	5.4 B	586	460 S	< 1 U	2180	< 1 U
LS-MH46N	3/15/2017	L46N170315M	2.85	8990	2.6 T	1.14	4.1 T	585	444 S	1.8	1600	1
LS-PS2A	1/11/2017	LP2A170111M	0.0558	385	10.2	< 0.01 U	< 2 U	21.3	15.4	1.8	78	1.3
LS-PS2A	2/15/2017	LP2A170215M	0.0175	130	7.29	< 0.01 U	< 2 U	2.43	8.84	3.2	64.7	2.2
LS-PS2A	3/15/2017	LP2A170315M	0.0201	96.2	6.06	0.023 T	< 2 U	1.86	10.2	18.7	126	8.73
FIELD BLANK	1/11/2017	LAPI170111F	< 0.01 U	2.2 T	< 0.1 U	0.013 T	< 2 U	< 0.1 U	0.318	< 1 U	< 5 U	< 1 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Leachate Metal Analytical Data
 Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, total (mg/L)	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
LS-API	1/11/2017	LAPI170111M	0.787	< 0.001 U	0.152	0.192	< 0.001 U	< 0.002 U	90.7	0.14	0.0271	0.0092 T	6.73	< 0.001 U
LS-API	2/15/2017	LAPI170215M	1.6	< 0.001 U	0.079 T	0.133	< 0.001 U	< 0.002 U	130	0.0717	0.0192	0.017 T	11.1	< 0.001 U
LS-API	3/15/2017	LAPI170315M	3.84	< 0.001 U	0.028 T	0.0966	< 0.001 U	< 0.002 U	107	0.0377	0.014 T	0.016 T	12	< 0.001 U
LS-LEPS	1/11/2017	LEPS170110M	2.24	< 0.001 U	0.093 T	0.126	< 0.001 U	< 0.002 U	85.7	0.0834	0.0167	0.012 T	7.04	< 0.001 U
LS-LEPS	1/10/2017	LEPS170110P						< 0.002 U		0.0704		0.01 T		< 0.001 U
LS-LEPS	2/15/2017	LEPS170214M	3.24	< 0.001 U	0.04 T	0.114	< 0.001 U	< 0.002 U	117	0.0424	0.014 T	0.014 T	9.82	< 0.001 U
LS-LEPS	2/14/2017	LEPS170214P						< 0.002 U		0.0385		0.014 T		< 0.001 U
LS-LEPS	3/15/2017	LEPS170314M	2.42	< 0.001 U	0.051 T	0.0938	< 0.001 U	< 0.002 U	89.7	0.048	0.013 T	0.012 T	8.61	< 0.001 U
LS-LEPS	3/14/2017	LEPS170314P						< 0.002 U		0.0498		0.012 T		< 0.001 U
LS-MH46N	1/11/2017	L46N170111M	< 0.02 U	< 0.001 U	0.09 T	0.432	< 0.001 U	< 0.002 U	88.5	0.106	0.0347	0.0043 T	2.45	< 0.001 U
LS-MH46N	2/15/2017	L46N170215M	< 0.02 U	< 0.001 U	0.083 T	0.344	< 0.001 U	< 0.002 U	74.5	0.0899	0.0289	< 0.002 U	2.74	< 0.001 U
LS-MH46N	3/15/2017	L46N170315M	< 0.02 U	< 0.001 U	0.065 T	0.272	< 0.001 U	< 0.002 U	62.8	0.078	0.0238	< 0.002 U	1.89	< 0.001 U
LS-PS2A	1/11/2017	LP2A170111M	0.14 T	< 0.001 U	< 0.001 U	0.012	< 0.001 U	< 0.002 U	11.7	< 0.005 U	< 0.003 U	< 0.002 U	1.06	< 0.001 U
LS-PS2A	2/15/2017	LP2A170215M	0.18 T	< 0.001 U	< 0.001 U	0.00637	< 0.001 U	< 0.002 U	9.48	< 0.005 U	< 0.003 U	0.0256	1.47	< 0.001 U
LS-PS2A	3/15/2017	LP2A170315M	0.32 T	< 0.001 U	< 0.001 U	0.00618	< 0.001 U	< 0.002 U	8.28	0.0044 T	< 0.003 U	0.0345	4.6	< 0.001 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.02 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.01 U	< 0.005 U	< 0.003 U	< 0.002 U	< 0.01 U	< 0.001 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017
 Cedar Hills Landfill --- Leachate Metal Analytical Data
 Contact Person --- Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
LS-API	1/11/2017	LAPI170111M	65.2	1.16	< 0.0001 U	0.141	379	< 0.001 U	< 0.003 U	1150	< 0.001 U	0.024 T	0.043 T	0.27
LS-API	2/15/2017	LAPI170215M	40	1.64	< 0.0001 U	0.0824	196	< 0.001 U	< 0.003 U	519	< 0.001 U	< 0.01 U	0.024 T	0.645
LS-API	3/15/2017	LAPI170315M	24.9	1.6	< 0.0001 U	0.0475	92.4	< 0.001 U	< 0.003 U	211	< 0.001 U	< 0.01 U	0.015 T	0.608
LS-LEPS	1/11/2017	LEPS170110M	39.9	1.09	< 0.0001 U	0.0817	199	< 0.001 U	< 0.003 U	597	< 0.001 U	< 0.01 U	0.029 T	0.198
LS-LEPS	1/10/2017	LEPS170110P				0.0776								0.176
LS-LEPS	2/15/2017	LEPS170214M	27	1.47	< 0.0001 U	0.0557	116	< 0.001 U	< 0.003 U	295	< 0.001 U	< 0.01 U	0.019 T	0.479
LS-LEPS	2/14/2017	LEPS170214P				0.0497								0.427
LS-LEPS	3/15/2017	LEPS170314M	27.7	1.25	< 0.0001 U	0.0537	127	< 0.001 U	< 0.003 U	323	< 0.001 U	< 0.01 U	0.017 T	0.445
LS-LEPS	3/14/2017	LEPS170314P				0.0549								0.442
LS-MH46N	1/11/2017	L46N170111M	56.2	0.441	< 0.0001 U	0.152	368	< 0.001 U	< 0.003 U	1350	< 0.001 U	< 0.01 U	0.132	0.0439
LS-MH46N	2/15/2017	L46N170215M	49	0.427	< 0.0001 U	0.131	325	< 0.001 U	< 0.003 U	1100	< 0.001 U	< 0.01 U	0.105	0.0078 T
LS-MH46N	3/15/2017	L46N170315M	41.5	0.399	< 0.0001 U	0.107	261	< 0.001 U	< 0.003 U	900	< 0.001 U	< 0.01 U	0.0856	0.0332
LS-PS2A	1/11/2017	LP2A170111M	4.71	0.128	< 0.0001 U	< 0.01 U	11.2	< 0.001 U	< 0.003 U	31.2	< 0.001 U	< 0.01 U	< 0.002 U	0.019 T
LS-PS2A	2/15/2017	LP2A170215M	3.57	0.0846	< 0.0001 U	< 0.01 U	1.97	< 0.001 U	< 0.003 U	5.01	< 0.001 U	< 0.01 U	< 0.002 U	0.017 T
LS-PS2A	3/15/2017	LP2A170315M	3.04	0.0994	< 0.0001 U	0.0087 T	1.74	< 0.001 U	< 0.003 U	3.13	< 0.001 U	< 0.01 U	< 0.002 U	0.0263
FIELD BLANK	1/11/2017	LAPI170111F	< 0.015 U	< 0.001 U	< 0.0001 U	< 0.01 U	< 0.3 U	< 0.001 U	< 0.003 U	< 0.05 U	< 0.001 U	< 0.01 U	< 0.002 U	< 0.004 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-Tetrachloro-ethane 630-20-6 (ug/L)	1,1,1-Trichloro-ethane 71-55-6 (ug/L)	1,1,2,2-Tetrachloro-ethane 79-34-5 (ug/L)	1,1,2-Trichloro-ethane 79-00-5 (ug/L)	1,1-Dichloro-ethane 75-34-3 (ug/L)	1,1-Dichloro-ethene 75-35-4 (ug/L)	1,1-Dichloro-propene 563-58-6 (ug/L)	1,2,3-Trichloro-propane 96-18-4 (ug/L)	1,2-Dibromo-3-Chloropropan 96-12-8 (ug/L)	1,2-Dibromo-ethane 106-93-4 (ug/L)	1,2-Dichloro-benzene 95-50-1 (ug/L)	1,2-Dichloro-ethane 107-06-2 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-API	2/15/2017	LAPI170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-API	3/15/2017	LAPI170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	1/11/2017	LEPS170110M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	2/15/2017	LEPS170214M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	3/15/2017	LEPS170314M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-MH46N	1/11/2017	L46N170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	2.3 T	< 0.2 U
LS-MH46N	2/15/2017	L46N170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	2.5 T	< 0.2 U
LS-MH46N	3/15/2017	L46N170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	2.9 T	< 0.2 U
LS-PS2A	1/11/2017	LP2A170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dichloro- propane	1,3 Dichloro- benzene	1,3-Dichloro- propane	1,4-Dichloro- benzene	2,2-Dichloro- propane	2-Butanone	2-Hexanone	2-Methyl-1- propanol	3-Chloro- propene	4-Methyl-2- Pentanone	Acetone	Acetonitrile
			78-87-5 (ug/L)	541-73-1 (ug/L)	142-28-9 (ug/L)	106-46-7 (ug/L)	594-20-7 (ug/L)	78-93-3 (ug/L)	591-78-6 (ug/L)	78-83-1 (ug/L)	107-05-1 (ug/L)	108-10-1 (ug/L)	67-64-1 (ug/L)	75-05-8 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	2610 D	< 4 U	< 100 U	< 10 U	27 T	3010 D	< 100 U
LS-API	2/15/2017	LAPI170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	2020 D	< 4 U	< 100 U	< 10 U	< 4 U	1960 D	< 100 U
LS-API	3/15/2017	LAPI170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	918	< 4 U	< 100 U	< 10 U	< 4 U	509	< 100 U
LS-LEPS	1/11/2017	LEPS170110M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	45 T	< 100 U
LS-LEPS	2/15/2017	LEPS170214M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	1680 D	< 4 U	< 100 U	< 10 U	< 4 U	1620 D	< 100 U
LS-LEPS	3/15/2017	LEPS170314M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	542	< 4 U	< 100 U	< 10 U	< 4 U	608	< 100 U
LS-MH46N	1/11/2017	L46N170111M	< 0.2 U	< 0.2 U	< 0.2 U	9.88	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
LS-MH46N	2/15/2017	L46N170215M	< 0.2 U	< 0.2 U	< 0.2 U	10.5	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
LS-MH46N	3/15/2017	L46N170315M	< 0.2 U	< 0.2 U	< 0.2 U	10.5	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
LS-PS2A	1/11/2017	LP2A170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 4 U	< 4 U	< 100 U	< 10 U	< 4 U	< 4 U	< 100 U

Environmental Monitoring Data

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Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Acrolein	Acrylonitrile	Benzene	Bromochloro- methane	Bromodichlor o-methane	Bromoform	Bromo- methane	Carbon Disulfide	Carbon Tetrachloride	Chloro- benzene	Chloro- dibromo- methane
			107-02-8 (ug/L)	107-13-1 (ug/L)	71-43-2 (ug/L)	74-97-5 (ug/L)	75-27-4 (ug/L)	75-25-2 (ug/L)	74-83-9 (ug/L)	75-15-0 (ug/L)	56-23-5 (ug/L)	108-90-7 (ug/L)	124-48-1 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-API	2/15/2017	LAPI170215M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-API	3/15/2017	LAPI170315M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	1/11/2017	LEPS170110M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	2/15/2017	LEPS170214M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	3/15/2017	LEPS170314M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-MH46N	1/11/2017	L46N170111M	< 10 U	< 0.07 U	3.5 T	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	2.2 T	< 0.2 U
LS-MH46N	2/15/2017	L46N170215M	< 10 U	< 0.07 U	3.6 T	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	2.3 T	< 0.2 U
LS-MH46N	3/15/2017	L46N170315M	< 10 U	< 0.07 U	3.8 T	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	2.4 T	< 0.2 U
LS-PS2A	1/11/2017	LP2A170111M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	2/15/2017	LP2A170215M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	3/15/2017	LP2A170315M	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/11/2017	LAPI170111F	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 10 U	< 0.07 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Chloroethane	Chloroform	Chloro- methane	Chloroprene	cis-1,2- Dichloro- ethene	cis-1,3- Dichloro- propene	Dibromo- methane	Dichloro- difluoro- methane	Ethylbenzene	m & p Xylenes	Methyl Iodide
			75-00-3 (ug/L)	67-66-3 (ug/L)	74-87-3 (ug/L)	126-99-8 (ug/L)	156-59-2 (ug/L)	10061-01-5 (ug/L)	74-95-3 (ug/L)	75-71-8 (ug/L)	100-41-4 (ug/L)	mpx (ug/L)	74-88-4 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	3.8 T	8.77	< 0.2 U
LS-API	2/15/2017	LAPI170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	4.7	< 0.2 U
LS-API	3/15/2017	LAPI170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	3.5 T	< 0.2 U
LS-LEPS	1/11/2017	LEPS170110M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	2/15/2017	LEPS170214M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-LEPS	3/15/2017	LEPS170314M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-MH46N	1/11/2017	L46N170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	43.7	52.3	< 0.2 U
LS-MH46N	2/15/2017	L46N170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	48.8	59	< 0.2 U
LS-MH46N	3/15/2017	L46N170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	50.8	62.2	< 0.2 U
LS-PS2A	1/11/2017	LP2A170111M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.2 U	4.21	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 0.2 U	< 0.2 U	< 0.2 U	< 20 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Methacrylate	Methylacrylo- nitrile	Methylene Chloride	o-Xylene	Propionitrile	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	trans-1,4- Dichloro-2- butene	Trichloro- ethene
			80-62-6 (ug/L)	126-98-7 (ug/L)	75-09-2 (ug/L)	95-47-6 (ug/L)	107-12-0 (ug/L)	100-42-5 (ug/L)	127-18-4 (ug/L)	108-88-3 (ug/L)	156-60-5 (ug/L)	10061-02-6 (ug/L)	110-57-6 (ug/L)	79-01-6 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 2 U	< 5 U	< 0.2 U	4.25	< 60 U	< 0.2 U	< 0.2 U	15.4	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-API	2/15/2017	LAPI170215M	< 2 U	< 5 U	3.7 BT	2.3 T	< 60 U	< 0.2 U	< 0.2 U	7.6	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-API	3/15/2017	LAPI170315M	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	5.55	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-LEPS	1/11/2017	LEPS170110M	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-LEPS	2/15/2017	LEPS170214M	< 2 U	< 5 U	3.3 BT	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-LEPS	3/15/2017	LEPS170314M	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-MH46N	1/11/2017	L46N170111M	< 2 U	< 5 U	< 0.2 U	5.86	< 60 U	< 0.2 U	< 0.2 U	5.05	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-MH46N	2/15/2017	L46N170215M	< 2 U	< 5 U	2.7 BT	4.47	< 60 U	< 0.2 U	< 0.2 U	4.12	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-MH46N	3/15/2017	L46N170315M	< 2 U	< 5 U	3.5 T	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	3.3 T	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-PS2A	1/11/2017	LP2A170111M	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-PS2A	2/15/2017	LP2A170215M	< 2 U	< 5 U	3.6 BT	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
LS-PS2A	3/15/2017	LP2A170315M	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
FIELD BLANK	1/11/2017	LAPI170111F	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	5.19	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 2 U	< 5 U	< 0.2 U	< 0.2 U	< 60 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 100 U	< 0.2 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate VOA Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Trichloro- fluoro- methane 75-69-4 (ug/L)	Vinyl Acetate 108-05-4 (ug/L)	Vinyl Chloride 75-01-4 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 0.2 U	< 0.2 U	0.226
LS-API	2/15/2017	LAPI170215M	< 0.2 U	< 0.2 U	< 0.02 U
LS-API	3/15/2017	LAPI170315M	< 0.2 U	< 0.2 U	< 0.02 U
LS-LEPS	1/11/2017	LEPS170110M	< 0.2 U	< 0.2 U	< 0.02 U
LS-LEPS	2/15/2017	LEPS170214M	< 0.2 U	< 0.2 U	< 0.02 U
LS-LEPS	3/15/2017	LEPS170314M	< 0.2 U	< 0.2 U	< 0.02 U
LS-MH46N	1/11/2017	L46N170111M	< 0.2 U	< 0.2 U	3.26
LS-MH46N	2/15/2017	L46N170215M	< 0.2 U	< 0.2 U	3.87
LS-MH46N	3/15/2017	L46N170315M	< 0.2 U	< 0.2 U	6.12
LS-PS2A	1/11/2017	LP2A170111M	< 0.2 U	< 0.2 U	< 0.02 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.2 U	< 0.2 U	< 0.02 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.2 U	< 0.2 U	< 0.02 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/10/2017	VTRP170110X2	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	1/11/2017	VTRP170111Y	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	2/15/2017	VTRP170215X2	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	2/15/2017	VTRP170215Y	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	3/14/2017	VTRP170314X2	< 0.2 U	< 0.2 U	< 0.02 U
VOA TRIP BLANK	3/15/2017	VTRP170315Y	< 0.2 U	< 0.2 U	< 0.02 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate Pesticide/Herbicide/PCB Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	2,4,5-T	2,4,5-TP	2,4-D	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			93-76-5 (ug/L)	93-72-1 (ug/L)	94-75-7 (ug/L)	72-54-8 (ug/L)	72-55-9 (ug/L)	50-29-3 (ug/L)	309-00-2 (ug/L)	319-84-6 (ug/L)	57-74-9 (ug/L)	12674-11-2 (ug/L)	11104-28-2 (ug/L)	11141-16-5 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-API	2/15/2017	LAPI170215M	< 2 U	< 1 U	5.31	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-API	3/15/2017	LAPI170315M	< 2 U	< 1 U	3.63	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-LEPS	1/11/2017	LEPS170110M	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-LEPS	2/15/2017	LEPS170214M	< 2 U	< 1 U	5.21	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-LEPS	3/15/2017	LEPS170314M	< 2 U	< 1 U	2.07	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-MH46N	1/11/2017	L46N170111M	< 2 U	1.14	5.67	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-MH46N	2/15/2017	L46N170215M	< 2 U	< 1 U	5.51	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	0.0361 J	< 0.01 U	< 0.01 U	< 0.01 U
LS-MH46N	3/15/2017	L46N170315M	< 2 U	0.78 T	4.19	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	0.0303 J	< 0.01 U	0.157	< 0.01 U
LS-PS2A	1/11/2017	LP2A170111M	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-PS2A	2/15/2017	LP2A170215M	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
LS-PS2A	3/15/2017	LP2A170315M	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U
FIELD BLANK	1/11/2017	LAPI170111F	< 2 U	< 1 U	< 5 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.01 U

Environmental Monitoring Data

Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate Pesticide/Herbicide/PCB Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total Aroclors	Beta BHC	Delta BHC	Dieldrin	Dinoseb	Endo- sulfan I	Endo- sulfan II	Endo- sulfan Sulfate
			53469-21-9 (ug/L)	12672-29-6 (ug/L)	11097-69-1 (ug/L)	11096-82-5 (ug/L)		319-85-7 (ug/L)	319-86-8 (ug/L)	60-57-1 (ug/L)	88-85-7 (ug/L)	959-98-8 (ug/L)	33213-65-9 (ug/L)	1031-07-8 (ug/L)
LS-API	1/11/2017	LAPI170111M	0.183	< 0.01 U	< 0.01 U	0.183	0.183	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-API	2/15/2017	LAPI170215M	0.066 JT	< 0.01 U	0.053 T	0.119	0.119	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-API	3/15/2017	LAPI170315M	0.07 T	< 0.01 U	0.035 T	0.105	0.105	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-LEPS	1/11/2017	LEPS170110M	0.058 T	< 0.01 U	< 0.01 U	0.058 T	0.058 T	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-LEPS	2/15/2017	LEPS170214M	0.038 T	< 0.01 U	< 0.01 U	0.038 T	0.038 T	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-LEPS	3/15/2017	LEPS170314M	0.034 T	< 0.01 U	< 0.01 U	0.034 T	0.034 T	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-MH46N	1/11/2017	L46N170111M	0.187	< 0.01 U	< 0.01 U	0.187	0.187	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-MH46N	2/15/2017	L46N170215M	0.215	< 0.01 U	< 0.01 U	0.215	0.215	0.0841 J	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-MH46N	3/15/2017	L46N170315M	0.177	< 0.01 U	< 0.01 U	0.334	0.334	0.0444 J	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-PS2A	1/11/2017	LP2A170111M	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.025 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 DU	< 0.5 U

Environmental Monitoring Data

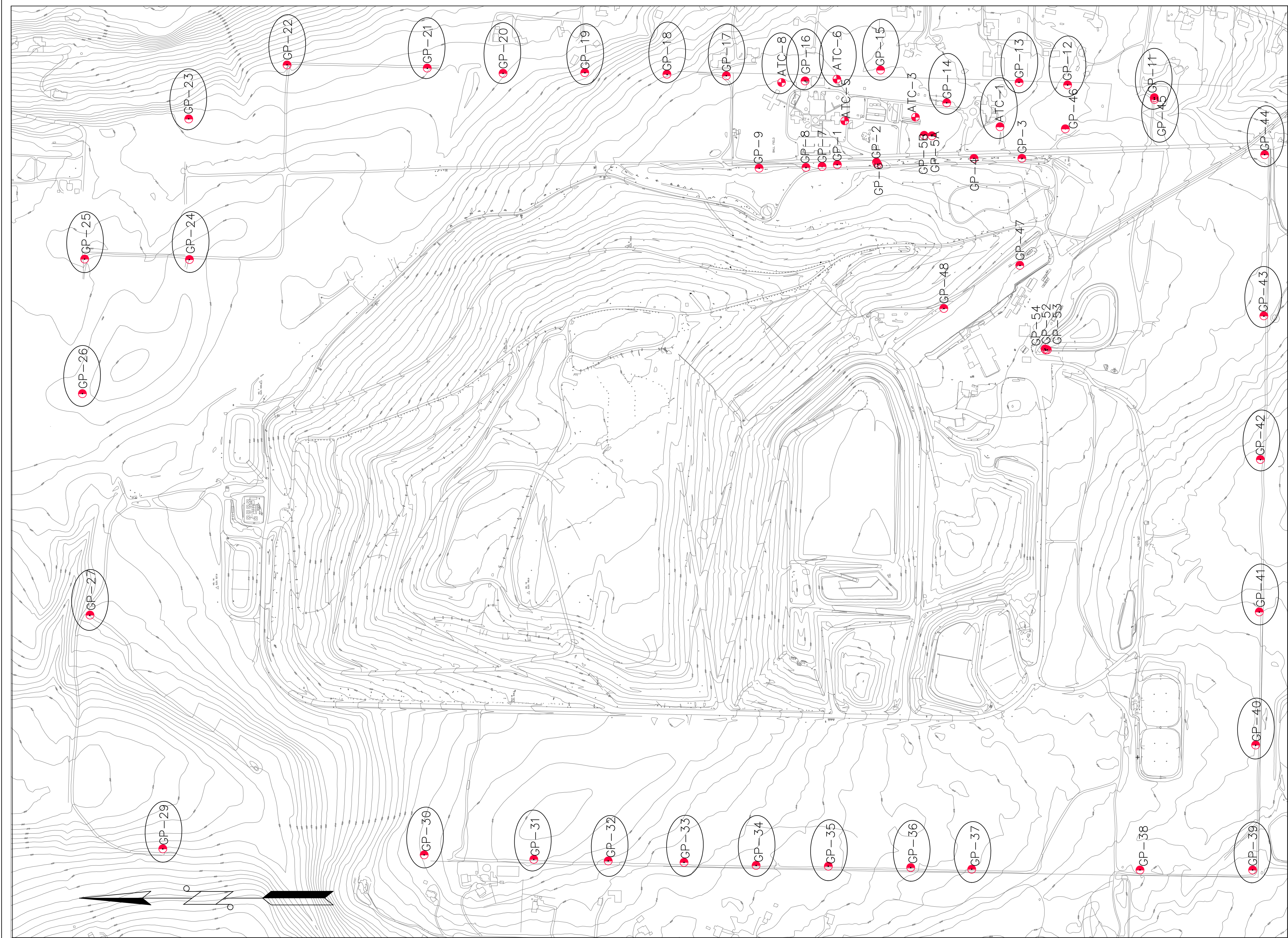
Data Collected from January 1, 2017 to March 31, 2017

Cedar Hills Landfill --- Leachate Pesticide/Herbicide/PCB Analytical Data

Contact Person --- Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Endrin 72-20-8 (ug/L)	Endrin Aldehyde 7421-93-4 (ug/L)	Heptachlor 76-44-8 (ug/L)	Heptachlor Epoxide 1024-57-3 (ug/L)	Isodrin 465-73-6 (ug/L)	Lindane 58-89-9 (ug/L)	Methoxy- chlor 72-43-5 (ug/L)	Toxaphene 8001-35-2 (ug/L)
LS-API	1/11/2017	LAPI170111M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-API	2/15/2017	LAPI170215M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-API	3/15/2017	LAPI170315M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-LEPS	1/11/2017	LEPS170110M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-LEPS	2/15/2017	LEPS170214M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-LEPS	3/15/2017	LEPS170314M	< 0.1 U	< 0.2 GU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-MH46N	1/11/2017	L46N170111M	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-MH46N	2/15/2017	L46N170215M	< 0.1 U	< 0.2 JU	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-MH46N	3/15/2017	L46N170315M	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	0.059 J	< 2 U	< 2.5 U
LS-PS2A	1/11/2017	LP2A170111M	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-PS2A	2/15/2017	LP2A170215M	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
LS-PS2A	3/15/2017	LP2A170315M	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U
FIELD BLANK	1/11/2017	LAPI170111F	< 0.1 U	< 0.2 U	< 0.025 U	< 0.025 U	< 10 U	< 0.025 U	< 2 U	< 2.5 U

Landfill Gas Monitoring Data



Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86



KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-19-07
RECOMMENDED TOM THENO DATE 09-28-07
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. SURVEY NO. SHEET 1 OF 1
\\c:\data\cewpm\lgas-prob-loc\alt-llg-loc\006-geom\probonly.dwg

LEGEND

 INTERIOR LFG MONITORING PROBES

 LFG MIGRATION MONITORING PROBES

DATE	REVISION	BY

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

January 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	1/26/2017 8:42	0.0	0.4	18.0	0	-0.13	
ATC-01S	1/26/2017 8:40	0.0	0.1	20.6	0	0.03	
ATC-06D	1/26/2017 9:54	0.0	1.0	6.3	0	-0.05	
ATC-06S	1/26/2017 9:52	0.0	0.0	0.0	0	0	No Reading, Water.
ATC-08D	1/26/2017 9:44	0.0	1.0	18.1	0	0.21	
ATC-08S	1/26/2017 9:42	0.0	0.2	21.0	0	-0.05	
GP-11A	1/26/2017 8:15	0.0	0.2	20.5	0	0.03	
GP-11B	1/26/2017 8:17	0.0	0.1	20.6	0	-1.59	
GP-11C	1/26/2017 8:18	0.0	0.1	20.6	0	-1.8	
GP-11D	1/26/2017 8:19	0.0	0.1	20.5	0	-0.02	
GP-12A	1/26/2017 8:47	0.0	0.1	20.5	0	-0.82	
GP-12B	1/26/2017 8:49	0.0	0.1	20.8	0	0.02	
GP-12C	1/26/2017 8:50	0.0	0.2	16.5	0	1.26	
GP-12D	1/26/2017 8:51	0.0	0.1	20.6	0	-4.88	
GP-13A	1/26/2017 8:54	0.0	0.1	21.0	0	0	
GP-13B	1/26/2017 8:56	0.0	0.1	21.0	0	-0.01	
GP-13C	1/26/2017 8:57	0.0	0.1	21.0	0	0.03	
GP-13D	1/26/2017 8:58	0.0	0.1	21.0	0	-6.42	
GP-14A	1/26/2017 9:02	0.0	0.1	21.0	0	-2.33	
GP-14B	1/26/2017 9:04	0.0	0.1	21.0	0	-2.42	
GP-15A	1/26/2017 9:28	0.0	0.0	0.0	0	0	No Reading, Water.
GP-15C	1/26/2017 9:30	0.0	0.1	21.0	0	-0.14	
GP-15D	1/26/2017 9:31	0.0	0.2	21.0	0	-0.79	
GP-16A	1/26/2017 9:46	0.0	0.2	20.7	0	-0.02	
GP-16B	1/26/2017 9:47	0.0	0.1	21.0	0	-4.62	
GP-16C	1/26/2017 9:49	0.0	0.1	21.0	0	-8.08	
GP-17A	1/26/2017 11:47	0.0	0.0	0.0	0	0	No Reading, Water.
GP-17B	1/26/2017 11:48	0.0	0.9	18.5	0	-0.02	
GP-17C	1/26/2017 11:50	0.0	0.1	20.6	0	-7.85	
GP-18A	1/26/2017 11:52	0.0	0.0	0.0	0	0	No Reading, Water.
GP-18B	1/26/2017 11:53	0.0	0.4	15.1	0	0.02	
GP-18C	1/26/2017 11:55	0.0	0.1	19.4	0	-8.27	
GP-19A	1/26/2017 11:57	0.0	0.1	21.0	0	-0.01	
GP-19B	1/26/2017 11:58	0.0	0.8	17.2	0	-0.03	
GP-19C	1/26/2017 12:00	0.0	0.1	20.3	0	-0.97	
GP-20A	1/26/2017 12:02	0.0	0.1	21.0	0	-0.04	
GP-20B	1/26/2017 12:04	0.0	0.2	20.3	0	-0.01	
GP-20C	1/26/2017 12:06	0.0	0.2	5.9	0	0.24	
GP-21A	1/26/2017 12:09	0.0	0.0	0.0	0	0	No Reading, Water.
GP-21B	1/26/2017 12:10	0.0	0.2	11.3	0	-0.45	
GP-21C	1/26/2017 12:11	0.0	0.0	0.0	0	0	No Reading, Water.
GP-22A	1/26/2017 12:15	0.0	0.6	20.3	0	-5.08	
GP-22C	1/26/2017 12:17	0.0	0.8	4.6	0	-8.66	
GP-23A	1/26/2017 13:00	0.0	0.1	19.4	0	-0.01	
GP-23B	1/26/2017 13:01	0.0	0.1	19.6	0	-2.4	
GP-23C	1/26/2017 13:02	0.0	0.1	19.8	0	-2.33	
GP-24A	1/26/2017 13:06	0.0	3.8	10.7	0	0.03	
GP-24B	1/26/2017 13:07	0.0	2.9	11.9	0	-0.03	
GP-25	1/26/2017 13:10	0.0	2.8	13.0	0	0.03	
GP-26	1/26/2017 13:13	0.0	0.5	19.1	0	-1.52	
GP-27	1/26/2017 13:16	0.0	6.6	10.5	0	0.02	
GP-29A	1/26/2017 13:20	0.0	1.0	18.2	0	0.02	
GP-29B	1/26/2017 13:29	0.0	0.7	20.1	0	0.03	
GP-30A	1/26/2017 13:30	0.0	1.5	19.0	0	-0.08	
GP-30B	1/26/2017 13:32	0.0	0.2	20.0	0	-1.41	
GP-31A	1/26/2017 13:35	0.0	0.0	0.0	0	0	No Reading, Water.
GP-31B	1/26/2017 13:37	0.0	0.4	15.5	0	-1.4	
GP-31C	1/26/2017 13:38	0.0	0.1	19.9	0	-4.95	
GP-32A	1/26/2017 13:40	0.0	0.6	19.9	0	0.03	
GP-32B	1/26/2017 13:42	0.0	0.3	20.4	0	0.02	
GP-32C	1/26/2017 13:43	0.0	0.4	20.4	0	0.02	
GP-33A	1/26/2017 13:45	0.0	0.4	20.3	0	0.03	
GP-33B	1/26/2017 13:47	0.0	0.1	20.7	0	0.22	
GP-33C	1/26/2017 13:48	0.0	0.1	20.8	0	-2.83	

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

January 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34A	1/26/2017 13:50	0.0	0.0	0.0	0	0	No Reading, Water.
GP-34B	1/26/2017 13:51	0.0	0.1	20.9	0	-0.68	
GP-34C	1/26/2017 13:52	0.0	0.1	21.0	0	-6.7	
GP-35A	1/26/2017 13:55	0.0	0.3	20.1	0	-1.68	
GP-35B	1/26/2017 13:56	0.0	0.1	20.9	0	0	
GP-35C	1/26/2017 13:57	0.0	0.1	21.0	0	-0.11	No Reading, Water.
GP-36A	1/26/2017 14:00	0.0	0.2	20.9	0	0.03	
GP-36B	1/26/2017 14:01	0.0	0.0	0.0	0	0	
GP-36C	1/26/2017 14:02	0.0	0.1	20.9	0	-3.64	
GP-37A	1/26/2017 14:04	0.0	0.0	0.0	0	0	
GP-37B	1/26/2017 14:05	0.0	0.1	19.6	0	0.4	No Reading, Water.
GP-37C	1/26/2017 14:06	0.0	0.1	21.0	0	-6.73	
GP-39	1/26/2017 14:12	0.0	0.3	19.5	0	-0.02	
GP-40	1/26/2017 14:15	0.0	0.1	19.4	0	0.26	
GP-41A	1/26/2017 14:19	0.0	0.1	20.9	0	0.01	
GP-41B	1/26/2017 14:20	0.0	0.1	20.8	0	0.02	No Reading, Water.
GP-41C	1/26/2017 14:21	0.0	0.1	21.0	0	-0.02	
GP-42A	1/26/2017 14:26	0.0	0.0	0.0	0	0	
GP-42B	1/26/2017 14:28	0.0	0.1	21.0	0	-2.67	
GP-43A	1/26/2017 14:39	0.0	0.1	20.9	0	0.25	
GP-43B	1/26/2017 14:41	0.0	0.1	20.9	0	0.01	
GP-43C	1/26/2017 14:43	0.0	0.1	20.9	0	-0.2	
GP-44A	1/26/2017 14:46	0.0	0.1	20.9	0	0.04	
GP-44B	1/26/2017 14:48	0.0	1.1	8.3	0	-7.04	
GP-44C	1/26/2017 14:49	0.0	0.1	20.3	0	-0.03	
GP-45D	1/26/2017 8:24	0.0	0.1	20.6	0	-2.56	
GP-45I	1/26/2017 8:23	0.0	0.1	20.6	0	-0.11	
GP-45S	1/26/2017 8:21	0.0	0.1	20.5	0	0.01	

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

February 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	2/9/2017 12:43	0.0	0.0	0.0	0	0	No Reading, Water.
ATC-01S	2/9/2017 12:42	0.0	0.0	0.0	0	0	No Reading, Water.
ATC-06D	2/9/2017 13:03	0.0	1.0	3.1	0	12.83	
ATC-06S	2/9/2017 13:01	0.0	0.3	20.3	0	9.68	
ATC-08D	2/9/2017 13:16	0.0	0.2	19.9	0	-0.33	
ATC-08S	2/9/2017 13:15	0.0	0.4	15.2	0	10.7	
GP-11A	2/9/2017 11:47	0.0	0.9	17.7	0	0.33	
GP-11B	2/9/2017 11:50	0.0	0.8	8.6	0	1.64	
GP-11C	2/9/2017 11:51	0.0	0.3	8.3	0	2.64	
GP-11D	2/9/2017 11:53	0.0	0.1	19.4	0	0.04	
GP-12A	2/9/2017 12:18	0.0	0.1	20.1	0	1.09	
GP-12B	2/9/2017 12:20	0.0	0.1	20.1	0	1.53	
GP-12C	2/9/2017 12:22	0.0	0.2	15.4	0	-3.21	
GP-12D	2/9/2017 12:24	0.0	0.7	10.8	0	8.25	
GP-13A	2/9/2017 12:07	0.0	0.1	19.8	0	0.02	
GP-13B	2/9/2017 12:09	0.0	0.1	19.8	0	0.03	
GP-13C	2/9/2017 12:11	0.0	0.2	17.2	0	-0.01	
GP-13D	2/9/2017 12:13	0.0	0.3	18.4	0	5.07	
GP-14A	2/9/2017 12:31	0.0	0.3	14.4	0	1.63	
GP-14B	2/9/2017 12:33	0.0	0.6	15.0	0	1.63	
GP-15A	2/9/2017 12:48	0.0	0.0	0.0	0	0	No Reading, Water.
GP-15C	2/9/2017 12:50	0.0	3.3	4.9	0	0.92	
GP-15D	2/9/2017 12:52	0.0	0.2	20.1	0	-0.85	
GP-16A	2/9/2017 13:07	0.0	0.0	0.0	0	0	No Reading, Water.
GP-16B	2/9/2017 13:09	0.0	0.4	19.3	0	-0.23	
GP-16C	2/9/2017 13:11	0.0	1.3	13.9	0	5.73	
GP-17A	2/9/2017 14:30	0.0	0.0	0.0	0	0	No Reading, Water.
GP-17B	2/9/2017 14:32	0.0	1.1	16.3	0	-0.03	
GP-17C	2/9/2017 14:34	0.0	0.2	19.1	0	5.03	
GP-18A	2/9/2017 14:37	0.0	0.0	0.0	0	0	No Reading, Water.
GP-18B	2/9/2017 14:39	0.0	0.5	11.1	0	0.07	
GP-18C	2/9/2017 14:41	0.0	0.4	14.9	0	5.19	
GP-19A	2/9/2017 14:45	0.0	0.1	19.7	0	0.08	
GP-19B	2/9/2017 14:47	0.0	0.8	15.0	0	-0.19	
GP-19C	2/9/2017 14:49	0.0	0.1	19.5	0	0.59	
GP-20A	2/9/2017 14:53	0.0	0.1	20.1	0	1.44	
GP-20B	2/9/2017 14:55	0.0	0.4	10.7	0	0.03	
GP-20C	2/9/2017 14:58	0.0	0.1	20.1	0	-3.42	
GP-21A	2/9/2017 15:01	0.0	0.0	0.0	0	0	No Reading, Water.
GP-21B	2/9/2017 15:03	0.0	0.2	9.3	0	0	
GP-21C	2/9/2017 15:05	0.0	0.0	0.0	0	0	No Reading, Water.
GP-22A	2/9/2017 15:10	0.0	0.2	20.3	0	8.63	
GP-22C	2/9/2017 15:12	0.0	1.0	3.6	0	6	
GP-23A	2/9/2017 15:17	0.0	0.1	20.1	0	-0.03	
GP-23B	2/9/2017 15:19	0.0	0.1	20.3	0	1.52	
GP-23C	2/9/2017 15:21	0.0	0.1	20.3	0	1.53	
GP-24A	2/9/2017 15:26	0.0	3.3	10.6	0	0	
GP-24B	2/9/2017 15:28	0.0	3.0	12.4	0	0.07	
GP-25	2/9/2017 15:31	0.0	1.9	14.6	0	6.03	
GP-26	2/9/2017 15:35	0.0	0.8	19.3	0	-0.02	
GP-27	2/9/2017 15:39	0.0	5.3	11.6	0	0.06	
GP-29A	2/9/2017 15:44	0.0	0.9	19.1	0	-0.02	
GP-29B	2/9/2017 15:46	0.0	0.8	19.9	0	0	
GP-30A	2/9/2017 15:57	0.0	2.2	17.8	0	0.55	
GP-30B	2/9/2017 15:59	0.0	1.1	18.9	0	-0.08	
GP-31A	2/9/2017 16:02	0.0	0.0	0.0	0	0	No Reading, Water.
GP-31B	2/9/2017 16:04	0.0	0.4	14.4	0	1.84	
GP-31C	2/9/2017 16:06	0.0	0.4	18.7	0	2.57	
GP-32A	2/9/2017 16:10	0.0	0.7	19.1	0	-0.02	
GP-32B	2/9/2017 16:12	0.0	0.3	20.1	0	0.04	
GP-32C	2/9/2017 16:14	0.0	0.4	20.0	0	-0.02	
GP-33A	2/9/2017 16:17	0.0	0.0	0.0	0	0	No Reading, Water.
GP-33B	2/9/2017 16:19	0.0	0.1	20.4	0	0.13	
GP-33C	2/9/2017 16:21	0.0	0.8	18.1	0	-0.33	

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

February 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34A	2/9/2017 16:24	0.0	0.0	0.0	0	0	No Reading, Water.
GP-34B	2/9/2017 16:26	0.0	0.4	12.5	0	0.05	
GP-34C	2/9/2017 16:28	0.0	0.2	7.5	0	3.5	
GP-35A	2/9/2017 16:33	0.0	0.1	20.1	0	-0.03	
GP-35B	2/9/2017 16:35	0.0	0.1	20.3	0	-0.05	
GP-35C	2/9/2017 16:37	0.0	0.2	18.1	0	0.52	
GP-36A	2/9/2017 16:41	0.0	0.2	20.2	0	-0.05	
GP-36B	2/9/2017 16:42	0.0	0.0	0.0	0	0	
GP-36C	2/9/2017 16:44	0.0	0.4	11.7	0	3.62	
GP-37A	2/9/2017 16:46	0.0	0.0	0.0	0	0	No Reading, Water.
GP-37B	2/9/2017 16:49	0.0	0.2	20.4	0	-13.25	
GP-37C	2/9/2017 16:51	0.0	0.8	1.3	0	4.34	
GP-39	2/10/2017 7:56	0.0	1.2	17.1	0	3.51	
GP-40	2/10/2017 8:00	0.0	0.1	17.4	0	-3.11	
GP-41A	2/10/2017 8:04	0.0	0.1	19.8	0	0.05	
GP-41B	2/10/2017 8:06	0.0	0.1	19.9	0	0.15	
GP-41C	2/10/2017 8:08	0.0	0.1	20.0	0	0.08	
GP-42A	2/10/2017 8:11	0.0	0.0	0.0	0	0	
GP-42B	2/10/2017 8:13	0.0	0.6	17.8	0	-0.73	No Reading, Water.
GP-43A	2/10/2017 8:18	0.0	0.2	20.0	0	-0.02	
GP-43B	2/10/2017 8:20	0.0	0.1	20.3	0	0.06	
GP-43C	2/10/2017 8:21	0.0	0.3	13.3	0	0	
GP-44A	2/10/2017 8:26	0.0	0.1	20.3	0	0.05	
GP-44B	2/10/2017 8:27	0.0	1.2	6.9	0	0.6	
GP-44C	2/10/2017 8:29	0.0	0.1	20.3	0	0.05	
GP-45D	2/9/2017 11:44	0.0	0.2	17.9	0	2.38	
GP-45I	2/9/2017 11:42	0.0	0.2	15.3	0	0.07	
GP-45S	2/9/2017 11:41	0.0	0.1	19.4	0	0.05	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
March 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	3/9/2017 9:33	0.0	0.4	18.8	0	-0.19	No Reading, Water.
ATC-01S	3/9/2017 9:29	0.0	0.0	0.0	0	1.08	
ATC-06D	3/9/2017 10:54	0.0	0.9	5.0	0	1.72	
ATC-06S	3/9/2017 10:50	0.0	0.1	20.9	0	-1.16	No Reading, Water.
ATC-08D	3/9/2017 10:45	0.0	0.0	0.0	0	-0.17	
ATC-08S	3/9/2017 10:44	0.0	0.2	19.8	0	-0.08	
GP-11A	3/9/2017 9:14	0.0	0.1	20.9	0	-0.13	
GP-11B	3/9/2017 9:16	0.0	0.1	20.9	0	-0.2	
GP-11C	3/9/2017 9:18	0.0	0.1	20.9	0	-0.09	
GP-11D	3/9/2017 9:19	0.0	0.1	20.9	0	-0.1	
GP-12A	3/9/2017 9:49	0.0	0.1	20.8	0	-0.09	
GP-12B	3/9/2017 9:51	0.0	0.1	20.8	0	-0.13	
GP-12C	3/9/2017 9:54	0.0	0.1	20.4	0	-0.29	
GP-12D	3/9/2017 9:56	0.0	0.6	11.0	0	-2.33	
GP-13A	3/9/2017 9:39	0.0	0.1	20.7	0	-0.13	
GP-13B	3/9/2017 9:41	0.0	0.1	20.8	0	-0.18	
GP-13C	3/9/2017 9:42	0.0	0.1	20.8	0	-0.13	
GP-13D	3/9/2017 9:44	0.0	0.1	20.8	0	-1.73	
GP-14A	3/9/2017 10:03	0.0	0.1	20.5	0	-0.59	
GP-14B	3/9/2017 10:05	0.0	0.1	20.8	0	-0.63	
GP-15A	3/9/2017 10:28	0.0	0.1	20.8	0	-0.18	
GP-15C	3/9/2017 10:24	0.0	0.2	20.7	0	-0.09	
GP-15D	3/9/2017 10:26	0.0	0.1	20.8	0	-0.72	
GP-16A	3/9/2017 10:37	0.0	0.1	20.9	0	-0.3	
GP-16B	3/9/2017 10:38	0.0	0.1	20.8	0	-0.44	
GP-16C	3/9/2017 10:40	0.0	0.1	20.8	0	-2.3	
GP-17A	3/9/2017 11:28	0.0	0.1	20.5	0	-0.33	
GP-17B	3/9/2017 11:29	0.0	0.7	18.5	0	-0.13	
GP-17C	3/9/2017 11:31	0.0	0.1	20.5	0	-1.71	
GP-18A	3/9/2017 11:34	0.0	0.1	20.5	0	-0.13	
GP-18B	3/9/2017 11:36	0.0	0.3	15.2	0	-0.13	
GP-18C	3/9/2017 11:37	0.0	0.1	20.4	0	-1.92	
GP-19A	3/9/2017 11:41	0.0	0.1	20.6	0	0	
GP-19B	3/9/2017 11:43	0.0	0.7	16.1	0	-0.36	
GP-19C	3/9/2017 11:44	0.0	0.1	20.6	0	-0.17	
GP-20A	3/9/2017 11:48	0.0	0.1	20.6	0	-0.15	
GP-20B	3/9/2017 11:50	0.0	0.3	18.3	0	-0.11	
GP-20C	3/9/2017 11:51	0.0	0.1	20.6	0	-0.12	
GP-21A	3/9/2017 11:56	0.0	0.1	20.6	0	-0.15	
GP-21B	3/9/2017 11:57	0.0	0.2	10.7	0	-0.14	
GP-21C	3/9/2017 11:59	0.0	0.1	20.5	0	-1.08	
GP-22A	3/9/2017 12:04	0.0	0.2	20.5	0	-1.33	
GP-22C	3/9/2017 12:05	0.0	0.6	11.2	0	-2.35	
GP-23A	3/9/2017 13:24	0.0	0.2	19.1	0	0	
GP-23B	3/9/2017 13:26	0.0	0.1	19.5	0	-0.03	
GP-23C	3/9/2017 13:27	0.0	0.1	19.7	0	-0.36	
GP-24A	3/9/2017 13:31	0.0	3.5	11.1	0	0.01	
GP-24B	3/9/2017 13:33	0.0	3.6	7.3	0	2.51	
GP-25	3/9/2017 13:38	0.0	2.1	13.7	0	-0.04	
GP-26	3/9/2017 13:42	0.0	0.4	20.2	0	-0.03	
GP-27	3/9/2017 13:46	0.0	5.4	11.8	0	-0.09	
GP-29A	3/9/2017 13:53	0.0	1.0	19.0	0	-0.05	
GP-29B	3/9/2017 13:55	0.0	0.6	20.6	0	-0.07	
GP-30A	3/9/2017 14:34	0.0	1.8	16.9	0	0.37	
GP-30B	3/9/2017 14:36	0.0	1.0	18.9	0	0.55	
GP-31A	3/9/2017 14:40	0.0	0.2	20.3	0	-0.24	
GP-31B	3/9/2017 14:42	0.0	0.4	15.2	0	2.5	
GP-31C	3/9/2017 14:43	0.0	0.2	19.8	0	0.83	
GP-32A	3/9/2017 14:47	0.0	0.7	18.6	0	-0.08	
GP-32B	3/9/2017 14:49	0.0	0.1	20.5	0	-0.08	
GP-32C	3/9/2017 14:51	0.0	0.1	20.6	0	-0.08	
GP-33A	3/9/2017 14:54	0.0	0.2	20.6	0	-3.48	
GP-33B	3/9/2017 14:56	0.0	0.1	20.8	0	-0.17	
GP-33C	3/9/2017 14:57	0.0	0.1	20.8	0	0.16	No Reading, Water.
GP-34A	3/9/2017 15:00	0.0	0.0	0.0	0	40.66	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
March 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34B	3/9/2017 15:05	0.0	0.2	20.8	0	0.08	
GP-34C	3/9/2017 15:06	0.0	0.1	20.9	0	-0.05	
GP-35A	3/9/2017 15:10	0.0	0.1	21.0	0	0.08	
GP-35B	3/9/2017 15:12	0.0	0.1	21.0	0	0.04	
GP-35C	3/9/2017 15:14	0.0	0.1	21.0	0	0.04	
GP-36A	3/9/2017 15:19	0.0	0.3	12.8	0	0.19	
GP-36B	3/9/2017 15:20	0.0	0.1	20.9	0	-0.34	
GP-36C	3/9/2017 15:22	0.0	0.3	15.9	0	0.32	
GP-37A	3/9/2017 15:25	0.0	0.1	21.0	0	-1.09	
GP-37B	3/9/2017 15:26	0.0	0.1	21.1	0	-0.11	
GP-37C	3/9/2017 15:28	0.0	0.0	0.0	0	0.62	No Reading, Water.
GP-39	3/9/2017 15:33	0.0	0.8	19.1	0	2.68	
GP-40	3/9/2017 15:37	0.0	0.1	19.3	0	0.02	
GP-41A	3/9/2017 15:40	0.0	0.1	21.0	0	0.01	
GP-41B	3/9/2017 15:42	0.0	0.1	21.0	0	0	
GP-41C	3/9/2017 15:44	0.0	0.1	21.0	0	0.02	
GP-42A	3/9/2017 15:47	0.0	0.1	21.0	0	-0.1	
GP-42B	3/9/2017 15:49	0.0	0.5	19.1	0	1.01	
GP-43A	3/9/2017 15:53	0.0	0.1	21.0	0	0.01	
GP-43B	3/9/2017 15:55	0.0	0.1	21.0	0	0.01	
GP-43C	3/9/2017 15:57	0.0	0.1	21.0	0	0	
GP-44A	3/9/2017 16:01	0.0	0.1	21.0	0	0.01	
GP-44B	3/9/2017 16:02	0.0	1.0	8.2	0	1.15	
GP-44C	3/9/2017 16:04	0.0	0.1	20.7	0	0.21	
GP-45D	3/9/2017 9:09	0.0	0.1	21.0	0	-0.21	
GP-45I	3/9/2017 9:07	0.0	0.1	21.0	0	-0.13	
GP-45S	3/9/2017 9:06	0.0	0.1	21.0	0	-0.14	

FIRST QUARTER BUILDING MONITORING

	INSTRUMENT: Place check by instrument used :				WEATHER: Partly Cloudy	DATE: 01/27/17 TECH: RB
	Foxboro TVA 1000 (sn. 301)					
	Foxboro TVA 1000 (sn. 732)					
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	BAR PRESS (in. Hg)	TIME	REMARKS
GOC- 01/27/17	1	FRONT OFFICE	0	0.00	11:20am	
GCR- 01/27/17	2	CONF ROOM	0	0.00	11:19am	
GAO- 01/27/17	3	PAYROLL OFFICE	0	0.00	11:18am	
GEO- 01/27/17	4	ENGR. OFFICE	0	0.00	11:16am	
GLRC- 01/27/17	5	LUNCHROOM	0	0.00	11:18am	
GSPC 01/27/17		SPOC	0	0.00	11:37am	
GELO- 01/27/17 A	6A	DRY STORAGE	0	0.00	11:39am	
GELO- 01/27/17 B	6B	ELECTRICIAN OFFICE	0	0.00	11:39am	
GAP- 01/27/17		ACCOUNT PAYABLE	0	0.00	11:38am	
GSO- 01/27/17 A	7A	SHOP OFFICE	0	0.00	11:36am	
GPR- 01/27/17 B	7B	PARTS ROOM	0	0.00	11:36am	
GMS- 01/27/17 C	7C	SHOP PIT AREA/BAY	0	0.00	11:35am	
GTB- 01/27/17 D	7D	SHOP TIRE BAY	0	0.00	11:33am	
GEW- 01/27/17 E	7E	EAST WELD SHOP	0	0.00	11:32am	
GWV- 01/27/17 F	7F	WEST WELD SHOP	0	0.00	11:31am	
GCS- 01/27/17	8	CARPENTER'S	0	0.00	11:29am	
GSS- 01/27/17	9	WASTEWATER	0	0.00	11:28am	
GSS- 01/27/17 B	9B	CARPENTER/STORAGE	0	0.00	11:29am	
GSH- 01/27/17	10	SCALEHOUSE	0	0.00	11:21am	
GB13- 01/27/17	13	WW COMPRESSOR	0	0.00	11:44am	
GB16- 01/27/17	16	GENERATOR	0	0.00	11:50am	
GB19- 01/27/17	19	LEPS (P.S.# 5)	0	0.00	11:51am	
GB19- 01/27/17 B	19B	LEPS/H ₂ O ₂ ROOM	0	0.00	11:51am	
GB20- 01/27/17	20	LEPS ELEC PANALS	0	0.00	11:51am	
GB21- 01/27/17	21	STORAGE(OLD PS 1)	0	0.00	11:57am	
GB22- 01/27/17	22	STORAGE/N FLARE	0	0.00	12:01pm	
GB23- 01/27/17	23	LFGAS	0	0.00	12:02pm	
GB24- 01/27/17	24	NE GENERATOR BLDG	0	0.00	11:59am	
GBWW- 01/27/17	30	WOMEN BRK RM	0	0.00	11:37am	
GPWT- 01/27/17	PW	PRESSURE WASH RM	0	0.00	11:25am	
GBRR- 01/27/17	RR	TRUCKWASH RR W	0	0.00	11:25am	
GBSS- 01/27/17	SS	TRUCKWASH RR E	0	0.00	11:26am	
GBZZ- 01/27/17	29	MANAGERS TRAILER	0	0.00	11:17am	
GBPT- 01/27/17		CCG FASTER	0	0.00	11:15am	
GCLS- 01/27/17		CHLORINE SHED	0	0.00	11:23am	

CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
First Quarter 2017 Monitoring

Probe ID	Date	Time	Barometric		CH4 %vol	CO2 %vol	O2 %vol	Static Pressure in INWC
			Pressure in Hg					
MGPW 1700	1/18/2017	1:46pm	29.48		0.0	0.3	20.0	1.39
MGPW 1700	1/24/2017	10:39am	30.04		0.0	0.4	20.7	-0.45
MGPW 1700	2/9/2017	9:42am	29.4		0.0	0.2	19.2	1.24
MGPW 1700	2/22/2017	1:07pm	30.12		0.0	0.1	21.0	-0.12
MGPW 1700	3/10/2017	2:28pm	30.16		0.0	0.2	21.0	-0.65
MGPW 1700	3/28/2017	3:21pm	30.20		0.1	0.2	21.0	-0.35
MGPW 1708	1/18/2017	1:50pm	29.48		11.8	12.1	0.4	0.92
MGPW 1708	1/24/2017	10:43am	30.04		0.0	0.2	21.0	-3.61
MGPW 1708	2/9/2017	9:38am	29.4		1.4	1.7	18.5	1.83
MGPW 1708	2/22/2017	1:10pm	30.12		0.0	0.1	21.0	-3.23
MGPW 1708	3/10/2017	2:43pm	30.16		0.0	0.3	20.6	-4.46
MGPW 1708	3/28/2017	3:38pm	30.20		0.2	0.3	21.0	-2.20
MGPW 1710S	1/18/2017	12:55pm	29.48		0.0	6.0	14.1	0.64
MGPW 1710S	1/24/2017	11:36am	30.04		0.0	0.2	20.0	-2.50
MGPW 1710S	2/9/2017	9:32am	29.40		0.6	4.4	17.6	1.86
MGPW 1710S	2/22/2017	1:12pm	30.12		0.0	0.1	21.0	-2.27
MGPW 1710S	3/10/2017	2:53pm	30.16		0.0	0.4	20.5	-3.84
MGPW 1710S	3/28/2017	3:45pm	30.2		0.2	0.4	21.0	-1.95
MGPW 1710D	1/18/2017	12:53pm	29.48		6.7	19.0	0.2	0.7
MGPW 1710D	1/24/2017	11:38am	30.04		0.0	0.2	20.3	-3.21
MGPW 1710D	2/9/2017	9:34am	29.4		0.0	0.2	21.0	2.03
MGPW 1710D	2/22/2017	1:14pm	30.12		0.0	0.1	21.0	-2.8
MGPW 1710D	3/10/2017	2:56pm	30.16		0.0	0.2	20.9	-4.25
MGPW 1710D	3/28/2017	3:48pm	30.20		0.1	0.2	21.0	-2.03
MGPW 1714	1/18/2017	12:49pm	29.48		0.0	5.2	14.8	0.69
MGPW 1714	1/24/2017	11:30am	30.04		0.0	0.2	20.0	-2.96
MGPW 1714	2/9/2017	9:28am	29.40		0.0	4.2	16.9	1.89
MGPW 1714	2/22/2017	1:16pm	30.12		0.0	0.1	21.0	-2.8
MGPW 1714	3/10/2017	3:00pm	30.16		0.0	0.3	20.6	-4.01
MGPW 1714	3/28/2017	3:56pm	30.20		0.1	0.3	21.0	-1.24

KING COUNTY SOLID WASTE DIVISION
QUALIFIER INFORMATION
(Effective 8/27/2015)

QUAL	QUALIFIER DESCRIPTION
U	Undetected; Analyte Concentration Less than Method Detection Limit (< MDL)
T	Estimated; Less than Reporting Detection Limit (<RDL) but Greater than Method Detection Limit (> MDL)
J	Reported Value is an Estimate
B	Matrix Target Analyte Present in Blank, AND, Sample Result Less than or Equal to 10x Blank Detection
C	Confluent Growth
E	Estimated; Outside Expected Accuracy
H	Exceeds Holding Time
R	Data Rejected
S	Sample Handling Errors
X	Too Numerous to Count
D	Re-analysis Due to Dilution
P	PASS – Qualitative Result Acceptable
F	FAIL – Qualitative Result is not Acceptable
G	Estimated with Low Bias (Coliform; BOD; All Other Chemistry Parameters)
L	Estimated with High Bias (BOD; All Other Chemistry Parameters)

APPENDIX C

Meteorological Data

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/2017 0:00	3.129	238.1	8.79	0.741	29.31	0.01
1/1/2017 0:15	2.403	220.2	8.32	0.732	29.31	0
1/1/2017 0:30	2.273	170.3	26.63	0.621	29.31	0
1/1/2017 0:45	2.903	115.1	6.674	0.443	29.31	0
1/1/2017 1:00	2.182	130.8	27.05	0.493	29.29	0
1/1/2017 1:15	3.931	175.9	14.24	0.669	29.29	0
1/1/2017 1:30	3.733	171.2	13.24	0.601	29.29	0
1/1/2017 1:45	4.754	57.33	27.63	0.41	29.29	0
1/1/2017 2:00	4.923	70.56	16.79	0.197	29.27	0
1/1/2017 2:15	4.732	59.29	24.2	0.374	29.27	0
1/1/2017 2:30	3.702	73.27	28.07	0.211	29.27	0
1/1/2017 2:45	4.722	77.98	27.48	-0.119	29.27	0
1/1/2017 3:00	10.37	25.43	6.455	-0.345	29.27	0
1/1/2017 3:15	6.644	15.71	10.56	-0.445	29.27	0
1/1/2017 3:30	7.02	21.62	11.03	-0.514	29.27	0
1/1/2017 3:45	8.11	25.35	12.58	-0.56	29.27	0
1/1/2017 4:00	8.18	32.54	8.66	-0.595	29.25	0
1/1/2017 4:15	7.324	39.22	5.234	-0.607	29.25	0
1/1/2017 4:30	7.465	33.23	7.075	-0.597	29.25	0
1/1/2017 4:45	7.857	40.72	8.66	-0.611	29.25	0
1/1/2017 5:00	6.204	52.67	10.44	-0.566	29.24	0
1/1/2017 5:15	7.058	55.12	10.69	-0.581	29.24	0
1/1/2017 5:30	6.434	53.07	13.02	-0.594	29.24	0
1/1/2017 5:45	7.349	45.85	9.83	-0.639	29.24	0
1/1/2017 6:00	6.903	32.3	7.161	-0.665	29.23	0
1/1/2017 6:15	7.175	23.73	5.403	-0.671	29.23	0
1/1/2017 6:30	7.367	19.6	7.587	-0.49	29.23	0
1/1/2017 6:45	4.497	46.19	12.12	-0.606	29.23	0
1/1/2017 7:00	3.815	63.85	15.05	-0.667	29.23	0
1/1/2017 7:15	4.673	27.77	4.678	-0.673	29.23	0
1/1/2017 7:30	5.272	19.49	4.181	-0.904	29.23	0
1/1/2017 7:45	6.064	8.99	6.966	-0.979	29.23	0
1/1/2017 8:00	6.404	354.8	10.11	-0.587	29.22	0
1/1/2017 8:15	3.47	36.26	28.38	-0.772	29.22	0
1/1/2017 8:30	4.811	51.73	15.4	-0.955	29.22	0
1/1/2017 8:45	8.86	36.88	12.22	-0.889	29.22	0
1/1/2017 9:00	6.371	31.51	7.273	-0.823	29.22	0
1/1/2017 9:15	7.916	28.16	6.638	-0.781	29.22	0
1/1/2017 9:30	8.65	25.55	7.568	-0.796	29.22	0
1/1/2017 9:45	6.338	34.85	6.904	-0.679	29.22	0
1/1/2017 10:00	5.053	11.19	11.84	-0.708	29.24	0
1/1/2017 10:15	5.064	13.72	9.15	-0.761	29.24	0
1/1/2017 10:30	5.578	25.83	10.5	-0.794	29.24	0
1/1/2017 10:45	7.208	19.79	8.1	-0.824	29.24	0
1/1/2017 11:00	7.251	26.97	7.13	-0.911	29.25	0
1/1/2017 11:15	4.698	14.19	8.99	-0.785	29.25	0
1/1/2017 11:30	4.701	354.9	18.75	-0.826	29.25	0
1/1/2017 11:45	3.808	2.444	18.4	-0.825	29.25	0
1/1/2017 12:00	5.186	28.35	13.58	-0.864	29.25	0
1/1/2017 12:15	3.879	355.8	10.77	-0.541	29.25	0
1/1/2017 12:30	5.295	354.4	11.16	-0.53	29.25	0
1/1/2017 12:45	5.808	28.39	12.17	-0.757	29.25	0
1/1/2017 13:00	8.6	22.41	8.69	-1.014	29.23	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/2017 13:15	8.55	30.08	7.305	-1.067	29.23	0
1/1/2017 13:30	11.48	28.64	7.83	-1.139	29.23	0
1/1/2017 13:45	10.02	28.65	8.16	-1.087	29.23	0
1/1/2017 14:00	8.69	28.94	7.921	-0.967	29.24	0
1/1/2017 14:15	7.543	25.72	8.15	-0.943	29.24	0
1/1/2017 14:30	8.1	33.58	9.71	-0.922	29.24	0
1/1/2017 14:45	8.14	28.47	10.19	-0.924	29.24	0
1/1/2017 15:00	8.3	19.91	8.18	-0.874	29.25	0
1/1/2017 15:15	7.381	27.85	6.943	-0.88	29.25	0
1/1/2017 15:30	6.502	31.82	5.433	-0.887	29.25	0
1/1/2017 15:45	7.51	34.4	7.432	-0.925	29.25	0
1/1/2017 16:00	7.064	16.63	10.57	-0.77	29.26	0
1/1/2017 16:15	5.875	16.31	17.13	-0.81	29.26	0
1/1/2017 16:30	5.048	28.79	11.67	-1.052	29.26	0
1/1/2017 16:45	7.115	22.27	8.98	-1.042	29.26	0
1/1/2017 17:00	8.81	31.85	8.55	-1.164	29.27	0
1/1/2017 17:15	7.74	29.51	8.49	-1.223	29.27	0
1/1/2017 17:30	6.837	34.97	8.71	-1.338	29.27	0
1/1/2017 17:45	7.568	34.44	7.122	-1.449	29.27	0
1/1/2017 18:00	6.005	34.83	7.734	-1.631	29.29	0
1/1/2017 18:15	5.469	37.46	6.012	-1.728	29.29	0
1/1/2017 18:30	6.353	34.89	4.804	-1.706	29.29	0
1/1/2017 18:45	5.425	35.32	7.612	-1.707	29.29	0
1/1/2017 19:00	4.977	36.39	6.947	-1.749	29.3	0
1/1/2017 19:15	5.861	32.87	10.35	-1.721	29.3	0
1/1/2017 19:30	4.112	24.16	3.278	-1.676	29.3	0
1/1/2017 19:45	3.282	358.1	24.24	-1.61	29.3	0
1/1/2017 20:00	4.64	45.16	21.77	-1.642	29.31	0
1/1/2017 20:15	6.001	28.23	7.16	-1.685	29.31	0
1/1/2017 20:30	5.419	42.02	7.057	-1.665	29.31	0
1/1/2017 20:45	4.652	29.16	8.95	-1.637	29.31	0
1/1/2017 21:00	3.972	31.98	2.934	-1.629	29.33	0
1/1/2017 21:15	5.508	32.6	5.32	-1.61	29.33	0
1/1/2017 21:30	5.94	33.38	6.378	-1.617	29.33	0
1/1/2017 21:45	7.359	31.39	6.62	-1.603	29.33	0
1/1/2017 22:00	6.979	34.14	6.71	-1.637	29.35	0
1/1/2017 22:15	6.346	35.16	9.24	-1.679	29.35	0
1/1/2017 22:30	6.401	37.2	7.999	-1.692	29.35	0
1/1/2017 22:45	5.373	37.43	8.3	-1.731	29.35	0
1/1/2017 23:00	5.989	35.25	7.921	-1.751	29.37	0
1/1/2017 23:15	5.79	27.48	7.392	-1.767	29.37	0
1/1/2017 23:30	6.666	35.83	7.389	-1.764	29.37	0
1/1/2017 23:45	6.225	33.94	7.298	-1.792	29.37	0
1/2/2017 0:00	5.62	36.02	6.68	-1.869	29.38	0
1/2/2017 0:15	7.039	34.16	7.16	-1.899	29.38	0
1/2/2017 0:30	6.931	28.39	5.805	-2.007	29.38	0
1/2/2017 0:45	7.001	30.39	5.289	-2.023	29.38	0
1/2/2017 1:00	7.77	37.32	7.145	-1.987	29.39	0
1/2/2017 1:15	6.858	37.23	9.08	-1.938	29.39	0
1/2/2017 1:30	7.306	33.27	7.113	-1.943	29.39	0
1/2/2017 1:45	7.417	36.46	8.41	-1.967	29.39	0
1/2/2017 2:00	6.566	29.78	8.78	-2.016	29.41	0
1/2/2017 2:15	5.479	37.66	9.03	-2.139	29.41	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/2/2017 2:30	6.131	32.95	5.48	-2.257	29.41	0
1/2/2017 2:45	6.246	26.12	6.526	-2.241	29.41	0
1/2/2017 3:00	4.72	23.02	10.78	-2.331	29.42	0
1/2/2017 3:15	6.51	20.96	6.856	-2.478	29.42	0
1/2/2017 3:30	6.485	25.15	10.45	-2.505	29.42	0
1/2/2017 3:45	4.216	30.79	10.06	-2.524	29.42	0
1/2/2017 4:00	4.535	35.46	10.13	-2.603	29.44	0
1/2/2017 4:15	5.087	31.42	7.465	-2.616	29.44	0
1/2/2017 4:30	4.609	14.35	8.96	-2.802	29.44	0
1/2/2017 4:45	3.852	38.36	7.398	-2.899	29.44	0
1/2/2017 5:00	4.125	27.64	6.804	-2.859	29.46	0
1/2/2017 5:15	3.729	31.52	9.3	-2.934	29.46	0
1/2/2017 5:30	4.357	37.23	7.7	-2.854	29.46	0
1/2/2017 5:45	3.609	56.07	17.68	-2.547	29.46	0
1/2/2017 6:00	3.95	37.9	8.36	-2.751	29.47	0
1/2/2017 6:15	3.091	43.43	4.437	-2.866	29.47	0
1/2/2017 6:30	3.16	64.61	18.4	-2.918	29.47	0
1/2/2017 6:45	2.039	73.53	23.58	-2.793	29.47	0
1/2/2017 7:00	3.345	101.4	16.33	-2.557	29.5	0
1/2/2017 7:15	5.05	125.2	8.88	-2.55	29.5	0
1/2/2017 7:30	3.544	118.5	14.42	-2.614	29.5	0
1/2/2017 7:45	5.466	122.3	10.84	-2.519	29.5	0
1/2/2017 8:00	7.214	113.1	7.576	-2.557	29.51	0
1/2/2017 8:15	8.25	116.4	10.09	-2.524	29.51	0
1/2/2017 8:30	5.859	96.2	11.28	-2.717	29.51	0
1/2/2017 8:45	8.57	110.8	9.96	-2.468	29.51	0
1/2/2017 9:00	8.54	111.8	14.59	-2.437	29.55	0
1/2/2017 9:15	8.73	105.1	11	-2.266	29.55	0
1/2/2017 9:30	7.756	102.1	12.77	-2.329	29.55	0
1/2/2017 9:45	6.811	100.5	13.59	-2.319	29.55	0
1/2/2017 10:00	5.388	97.1	17.64	-2.116	29.58	0
1/2/2017 10:15	3.885	89	25.05	-1.814	29.58	0
1/2/2017 10:30	6.11	103.4	19.68	-1.858	29.58	0
1/2/2017 10:45	5.441	102.3	14.29	-1.991	29.58	0
1/2/2017 11:00	6.258	101.6	17.51	-1.981	29.62	0
1/2/2017 11:15	8.16	111.1	13.68	-1.856	29.62	0
1/2/2017 11:30	8.29	107.5	15.42	-1.709	29.62	0
1/2/2017 11:45	8.53	106.7	14.29	-1.293	29.62	0
1/2/2017 12:00	8.65	102.2	15.52	-1.001	29.63	0
1/2/2017 12:15	8.12	108.3	14.74	-0.75	29.63	0
1/2/2017 12:30	10.96	108	13.37	-0.694	29.63	0
1/2/2017 12:45	10.13	106.7	14.05	-0.893	29.63	0
1/2/2017 13:00	7.01	106.2	11.18	-1.147	29.64	0
1/2/2017 13:15	6.165	96	10.66	-1.184	29.64	0
1/2/2017 13:30	6.244	90.9	16.88	-1.176	29.64	0
1/2/2017 13:45	7.495	102.2	11.34	-1.225	29.64	0
1/2/2017 14:00	7.498	95.1	17.98	-1.273	29.65	0
1/2/2017 14:15	6.191	75.91	11.5	-1.071	29.65	0
1/2/2017 14:30	7.637	74.07	11.59	-0.788	29.65	0
1/2/2017 14:45	7.625	70.11	9.25	-0.737	29.65	0
1/2/2017 15:00	5.39	84.8	14.32	-0.591	29.68	0
1/2/2017 15:15	6.259	69.15	19.76	-0.632	29.68	0
1/2/2017 15:30	8.11	61.37	11.34	-0.9	29.68	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/2/2017 15:45	8.3	68.51	17.46	-1.121	29.68	0
1/2/2017 16:00	5.858	81.7	14.9	-1.375	29.7	0
1/2/2017 16:15	6.508	91	12.37	-1.49	29.7	0
1/2/2017 16:30	6.384	89.7	14.36	-1.597	29.7	0
1/2/2017 16:45	5.696	90.3	14.9	-1.796	29.7	0
1/2/2017 17:00	7.503	101	11.11	-1.8	29.72	0
1/2/2017 17:15	7.5	110.6	8.71	-1.986	29.72	0
1/2/2017 17:30	5.72	88.6	14.05	-2.205	29.72	0
1/2/2017 17:45	7.005	97	11.85	-2.263	29.72	0
1/2/2017 18:00	9.6	94.3	15.91	-2.387	29.73	0
1/2/2017 18:15	11.67	102.3	14.06	-2.413	29.73	0
1/2/2017 18:30	9.57	106.8	18.08	-2.496	29.73	0
1/2/2017 18:45	8.28	93.6	18.4	-2.52	29.73	0
1/2/2017 19:00	9.92	103.1	15.12	-2.479	29.76	0
1/2/2017 19:15	8.39	106.5	13.35	-2.633	29.76	0
1/2/2017 19:30	7.25	117.5	10.88	-2.845	29.76	0
1/2/2017 19:45	10.04	109.7	12.94	-2.614	29.76	0
1/2/2017 20:00	10.06	98.8	14.85	-2.481	29.77	0
1/2/2017 20:15	8.76	108.3	13.67	-2.671	29.77	0
1/2/2017 20:30	6.084	109.4	11.37	-2.893	29.77	0
1/2/2017 20:45	7.173	99.3	12.8	-2.856	29.77	0
1/2/2017 21:00	5.107	109	8.52	-3.151	29.79	0
1/2/2017 21:15	3.441	114.1	24.91	-3.234	29.79	0
1/2/2017 21:30	3.283	110.3	13.98	-3.177	29.79	0
1/2/2017 21:45	4.459	116.5	4.9	-3.307	29.79	0
1/2/2017 22:00	4.846	85.5	14.14	-3.223	29.82	0
1/2/2017 22:15	5.584	93.6	14.76	-3.47	29.82	0
1/2/2017 22:30	8.66	76.88	16.9	-3.204	29.82	0
1/2/2017 22:45	10.21	77.33	16.55	-2.987	29.82	0
1/2/2017 23:00	11.76	90.8	16.09	-2.945	29.84	0
1/2/2017 23:15	10.87	80.5	16.67	-2.959	29.84	0
1/2/2017 23:30	9.24	78.16	19.67	-2.961	29.84	0
1/2/2017 23:45	10.24	82.3	18.12	-2.921	29.84	0
1/3/2017 0:00	10.14	71.22	15.41	-2.968	29.85	0
1/3/2017 0:15	12.64	80.7	18.65	-2.892	29.85	0
1/3/2017 0:30	11.03	76.22	17.14	-2.846	29.85	0
1/3/2017 0:45	10.32	82.6	18.07	-2.825	29.85	0
1/3/2017 1:00	11.07	93	16.65	-2.798	29.85	0
1/3/2017 1:15	8.95	86.2	16.2	-2.932	29.85	0
1/3/2017 1:30	8.15	92	17.45	-2.906	29.85	0
1/3/2017 1:45	7.537	96	17.54	-3.027	29.85	0
1/3/2017 2:00	7.019	93	11.52	-2.941	29.87	0
1/3/2017 2:15	6.596	84.9	15.54	-3.079	29.87	0
1/3/2017 2:30	6.691	91	12.07	-3.072	29.87	0
1/3/2017 2:45	5.925	78.64	14.25	-3.083	29.87	0
1/3/2017 3:00	6.995	74.25	15.96	-3.327	29.9	0
1/3/2017 3:15	5.057	58.68	14.69	-3.856	29.9	0
1/3/2017 3:30	5.36	43.85	7.377	-4.331	29.9	0
1/3/2017 3:45	5.525	46.25	9.98	-4.271	29.9	0
1/3/2017 4:00	4.559	68.25	10.99	-3.821	29.9	0
1/3/2017 4:15	3.542	61.27	9.53	-4.05	29.9	0
1/3/2017 4:30	2.085	60.98	22.41	-4.043	29.9	0
1/3/2017 4:45	3.814	14.14	11.02	-4.39	29.9	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/2017 5:00	4.089	10.84	7.831	-4.897	29.9	0
1/3/2017 5:15	3.814	26.18	8.83	-4.922	29.9	0
1/3/2017 5:30	4.853	22.43	7.921	-5.02	29.9	0
1/3/2017 5:45	4.472	18.93	7.058	-5.133	29.9	0
1/3/2017 6:00	5.241	24.97	11.34	-5.03	29.91	0
1/3/2017 6:15	4.111	20.89	10.3	-4.837	29.91	0
1/3/2017 6:30	4.396	13.65	9.99	-4.882	29.91	0
1/3/2017 6:45	5.478	33.38	9.66	-5.124	29.91	0
1/3/2017 7:00	4.89	36.42	10.33	-5.464	29.91	0
1/3/2017 7:15	4.065	26.98	12.49	-5.642	29.91	0
1/3/2017 7:30	3.615	31.08	12.42	-5.526	29.91	0
1/3/2017 7:45	5.442	20.74	10.27	-5.87	29.91	0
1/3/2017 8:00	6.265	25.08	11.52	-5.908	29.94	0
1/3/2017 8:15	7.107	29.51	9.68	-6.014	29.94	0
1/3/2017 8:30	6.622	29.78	9.6	-5.993	29.94	0
1/3/2017 8:45	7.848	29.07	7.553	-5.746	29.94	0
1/3/2017 9:00	6.417	26.62	10.92	-5.346	29.96	0
1/3/2017 9:15	4.38	22.18	16.61	-4.99	29.96	0
1/3/2017 9:30	3.157	32.8	18.47	-4.361	29.96	0
1/3/2017 9:45	2.198	37.05	10.7	-3.781	29.96	0
1/3/2017 10:00	0.933	109.8	42.66	-2.193	29.97	0
1/3/2017 10:15	3.073	95.9	67.26	-2.367	29.97	0
1/3/2017 10:30	1.991	1.484	9.75	-2.612	29.97	0
1/3/2017 10:45	2.111	14.35	15.97	-2.12	29.97	0
1/3/2017 11:00	1.065	46.59	15.96	-1.582	29.98	0
1/3/2017 11:15	2.366	24.82	21.63	-1.54	29.98	0
1/3/2017 11:30	2.044	57.27	24.01	-1.08	29.98	0
1/3/2017 11:45	2.384	33.18	9.66	-1.139	29.98	0
1/3/2017 12:00	2.432	357.9	15.71	-0.676	29.97	0
1/3/2017 12:15	2.045	1.543	29.28	-0.325	29.97	0
1/3/2017 12:30	3.726	1.102	25.12	-0.456	29.97	0
1/3/2017 12:45	3.29	6.847	13.5	-0.443	29.97	0
1/3/2017 13:00	3.557	68.05	23.85	0.091	29.96	0
1/3/2017 13:15	9.8	76.96	20.11	-0.195	29.96	0
1/3/2017 13:30	10.06	79.22	16.1	-0.257	29.96	0
1/3/2017 13:45	9.31	55.54	16.81	-0.273	29.96	0
1/3/2017 14:00	12.36	26.43	13.07	-0.778	29.95	0
1/3/2017 14:15	12.93	17.97	7.704	-0.951	29.95	0
1/3/2017 14:30	12.29	21.39	10.79	-1.005	29.95	0
1/3/2017 14:45	11.75	18.36	10.05	-1.107	29.95	0
1/3/2017 15:00	12.36	23.33	9.68	-1.298	29.95	0
1/3/2017 15:15	12.38	23.76	10.34	-1.369	29.95	0
1/3/2017 15:30	11.67	21.2	11.57	-1.462	29.95	0
1/3/2017 15:45	10.83	20.12	9.79	-1.576	29.95	0
1/3/2017 16:00	10.71	22.77	8.42	-1.818	29.95	0
1/3/2017 16:15	11.3	18.51	7.211	-2.069	29.95	0
1/3/2017 16:30	11.08	16.46	7.39	-2.218	29.95	0
1/3/2017 16:45	9.32	16.97	9.74	-2.48	29.95	0
1/3/2017 17:00	7.369	68.57	11.05	-2.601	29.95	0
1/3/2017 17:15	8.54	49.9	10.4	-2.769	29.95	0
1/3/2017 17:30	8.14	50.55	9.89	-2.732	29.95	0
1/3/2017 17:45	8.11	59.81	9.69	-2.618	29.95	0
1/3/2017 18:00	7.142	64.78	14.33	-2.652	29.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/2017 18:15	7.625	62.33	12.66	-2.593	29.94	0
1/3/2017 18:30	8.15	60.92	11.59	-2.608	29.94	0
1/3/2017 18:45	6.141	46.35	11.02	-3.2	29.94	0
1/3/2017 19:00	10.19	64.85	12.56	-2.831	29.93	0
1/3/2017 19:15	9.98	60.98	14.87	-2.849	29.93	0
1/3/2017 19:30	7.829	75.86	18.84	-2.825	29.93	0
1/3/2017 19:45	9.12	78.66	18.33	-2.599	29.93	0
1/3/2017 20:00	8.69	91.6	18.5	-2.536	29.92	0
1/3/2017 20:15	5.09	77	20.64	-2.926	29.92	0
1/3/2017 20:30	4.202	83.6	23.35	-2.882	29.92	0
1/3/2017 20:45	3.578	78.28	30.65	-2.758	29.92	0
1/3/2017 21:00	3.695	64.93	18.18	-3.03	29.9	0
1/3/2017 21:15	5.213	82	20.32	-3.323	29.9	0
1/3/2017 21:30	6.412	66.61	12.35	-3.521	29.9	0
1/3/2017 21:45	5.741	52.89	12.66	-3.723	29.9	0
1/3/2017 22:00	6.135	75.29	15.73	-3.081	29.9	0
1/3/2017 22:15	6.313	94.6	12.63	-2.979	29.9	0
1/3/2017 22:30	5.784	77.03	24.34	-3.119	29.9	0
1/3/2017 22:45	5.074	48.33	11.33	-4.106	29.9	0
1/3/2017 23:00	2.98	50.58	12.67	-3.845	29.9	0
1/3/2017 23:15	3.913	46.02	15.95	-3.721	29.9	0
1/3/2017 23:30	5.674	26.83	21.87	-3.612	29.9	0
1/3/2017 23:45	5.691	18.77	13.26	-4.529	29.9	0
1/4/2017 0:00	4.672	21.31	18.51	-4.88	29.89	0
1/4/2017 0:15	2.033	21	22.86	-4.558	29.89	0
1/4/2017 0:30	4.693	23.95	20.01	-4.335	29.89	0
1/4/2017 0:45	6.881	15.16	11.97	-4.901	29.89	0
1/4/2017 1:00	6.515	31.04	10.82	-5.214	29.87	0
1/4/2017 1:15	7.275	22.93	7.458	-5.495	29.87	0
1/4/2017 1:30	8.15	27.66	9.08	-5.666	29.87	0
1/4/2017 1:45	8.16	31.08	7.638	-5.877	29.87	0
1/4/2017 2:00	5.982	27.96	16.03	-5.823	29.86	0
1/4/2017 2:15	6.173	29.91	12.21	-5.775	29.86	0
1/4/2017 2:30	10.01	30.39	10.98	-5.625	29.86	0
1/4/2017 2:45	8.59	34.25	18.63	-5.321	29.86	0
1/4/2017 3:00	3.42	67.21	51.31	-5.412	29.85	0
1/4/2017 3:15	3.08	148.5	71.87	-5.542	29.85	0
1/4/2017 3:30	3.918	97.5	50.92	-5.279	29.85	0
1/4/2017 3:45	3.651	70.13	26	-5.923	29.85	0
1/4/2017 4:00	3.82	53.65	18.75	-6.108	29.83	0
1/4/2017 4:15	3.026	44.26	12.8	-6.166	29.83	0
1/4/2017 4:30	4.532	37.14	10.88	-6.115	29.83	0
1/4/2017 4:45	5.872	20.35	12.65	-6.189	29.83	0
1/4/2017 5:00	9.38	33.26	14.04	-3.823	29.83	0
1/4/2017 5:15	6.793	85.2	28.7	-2.965	29.83	0
1/4/2017 5:30	7.19	73.11	13.04	-3.181	29.83	0
1/4/2017 5:45	8.16	88.1	9.91	-3.094	29.83	0
1/4/2017 6:00	9.09	84.6	13.53	-3.062	29.83	0
1/4/2017 6:15	8.49	71.1	11.2	-3.38	29.83	0
1/4/2017 6:30	7.375	78.46	13.12	-4.201	29.83	0
1/4/2017 6:45	5.11	65.65	13.27	-4.71	29.83	0
1/4/2017 7:00	5.352	40	11.61	-4.298	29.84	0
1/4/2017 7:15	6.028	18.32	10.41	-4.819	29.84	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/4/2017 7:30	5.559	28.32	7.619	-4.781	29.84	0
1/4/2017 7:45	5.131	44.63	9.21	-5.215	29.84	0
1/4/2017 8:00	4.768	54.05	20.37	-5.82	29.86	0
1/4/2017 8:15	3.736	345.9	41.32	-5.727	29.86	0
1/4/2017 8:30	4.388	301.7	16.24	-3.857	29.86	0
1/4/2017 8:45	5.344	325.1	5.374	-4.322	29.86	0
1/4/2017 9:00	1.309	353.5	47.43	-4.024	29.9	0
1/4/2017 9:15	2.891	26.24	15.9	-4.355	29.9	0
1/4/2017 9:30	2.59	38.91	8.13	-3.889	29.9	0
1/4/2017 9:45	2.723	0.749	16.8	-3.196	29.9	0
1/4/2017 10:00	4.641	351.5	14.67	-2.568	29.93	0
1/4/2017 10:15	4.654	359.4	13.08	-2.66	29.93	0
1/4/2017 10:30	4.374	342.8	10.59	-2.07	29.93	0
1/4/2017 10:45	3.507	337	7.557	-1.42	29.93	0
1/4/2017 11:00	4.227	339.3	12.88	-1.1	29.95	0
1/4/2017 11:15	4.31	349.7	16.24	-0.784	29.95	0
1/4/2017 11:30	3.451	19.5	11.49	-0.767	29.95	0
1/4/2017 11:45	4.583	18.83	10.3	-0.452	29.95	0
1/4/2017 12:00	4.496	22.88	10.57	-0.181	29.95	0
1/4/2017 12:15	6.586	27.45	7.41	-0.433	29.95	0
1/4/2017 12:30	6.786	30.32	8.86	-0.378	29.95	0
1/4/2017 12:45	6.724	31.95	9.03	-0.224	29.95	0
1/4/2017 13:00	6.04	25.23	7.606	0.143	29.95	0
1/4/2017 13:15	6.673	26.5	7.289	0.364	29.95	0
1/4/2017 13:30	8.69	24.8	7.068	0.467	29.95	0
1/4/2017 13:45	7.902	17.87	8.6	0.915	29.95	0
1/4/2017 14:00	8.7	19.77	10.47	0.917	29.96	0
1/4/2017 14:15	5.838	13.39	11.16	1.223	29.96	0
1/4/2017 14:30	7.603	14.97	11.75	1.14	29.96	0
1/4/2017 14:45	7.351	20.26	12.49	1.085	29.96	0
1/4/2017 15:00	5.993	17.94	9.79	1.106	29.97	0
1/4/2017 15:15	7.452	19.94	9.04	0.868	29.97	0
1/4/2017 15:30	8.19	27.62	6.683	0.592	29.97	0
1/4/2017 15:45	8.88	29.35	6.027	0.449	29.97	0
1/4/2017 16:00	8.2	30.79	7.842	0.03	29.99	0
1/4/2017 16:15	7.483	31.71	6.116	-0.098	29.99	0
1/4/2017 16:30	6.101	32.7	6.767	-0.565	29.99	0
1/4/2017 16:45	5.922	30.93	7.535	-0.924	29.99	0
1/4/2017 17:00	4.91	40.08	8.37	-1.121	30.01	0
1/4/2017 17:15	5.224	37.44	6.927	-1.37	30.01	0
1/4/2017 17:30	5.158	45.53	6.889	-1.401	30.01	0
1/4/2017 17:45	4.778	45.73	9.07	-1.472	30.01	0
1/4/2017 18:00	2.857	48.87	12.96	-1.407	30.02	0
1/4/2017 18:15	2.902	45.61	15.95	-1.352	30.02	0
1/4/2017 18:30	4.027	43.19	8.26	-1.647	30.02	0
1/4/2017 18:45	3.527	51.07	3.612	-2.1	30.02	0
1/4/2017 19:00	4.644	49.93	6.054	-2.147	30.03	0
1/4/2017 19:15	3.936	38.95	10.72	-2.24	30.03	0
1/4/2017 19:30	3.853	43.52	10.88	-2.485	30.03	0
1/4/2017 19:45	3.549	40.81	11.8	-2.537	30.03	0
1/4/2017 20:00	4.956	37.16	11.41	-3.261	30.03	0
1/4/2017 20:15	2.375	17.48	13.93	-3.459	30.03	0
1/4/2017 20:30	2.513	41.06	8.71	-3.174	30.03	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/4/2017 20:45	3.14	48.55	8.96	-4.121	30.03	0
1/4/2017 21:00	4.876	38.03	10.13	-4.225	30.03	0
1/4/2017 21:15	5.024	29.69	7.501	-3.818	30.03	0
1/4/2017 21:30	3.814	45.49	7.874	-3.886	30.03	0
1/4/2017 21:45	3.89	38.79	6.911	-3.848	30.03	0
1/4/2017 22:00	4.341	33.97	5.094	-3.707	30.04	0
1/4/2017 22:15	4.537	35.69	6.905	-3.585	30.04	0
1/4/2017 22:30	4.817	37.89	8.02	-4.278	30.04	0
1/4/2017 22:45	5.708	36.32	5.567	-4.23	30.04	0
1/4/2017 23:00	6.207	34.94	8.27	-4.84	30.05	0
1/4/2017 23:15	6.532	25.79	10.87	-5.475	30.05	0
1/4/2017 23:30	6.111	31.73	13.54	-5.477	30.05	0
1/4/2017 23:45	5.973	33.63	8.89	-5.821	30.05	0
1/5/2017 0:00	5.919	36.52	12.31	-5.784	30.05	0
1/5/2017 0:15	6.078	41.7	13.61	-5.791	30.05	0
1/5/2017 0:30	7.04	22.13	9.05	-5.65	30.05	0
1/5/2017 0:45	6.362	30.02	8.6	-5.799	30.05	0
1/5/2017 1:00	4.715	38.48	8.34	-5.615	30.05	0
1/5/2017 1:15	4.51	23.69	6.406	-5.206	30.05	0
1/5/2017 1:30	5.191	26.27	6.489	-5.848	30.05	0
1/5/2017 1:45	6.619	32.01	6.695	-6.225	30.05	0
1/5/2017 2:00	7.215	28.11	8.33	-5.884	30.06	0
1/5/2017 2:15	6.016	38.36	5.136	-5.427	30.06	0
1/5/2017 2:30	5.004	46.94	5.637	-5.003	30.06	0
1/5/2017 2:45	4.545	50.69	10.35	-5.287	30.06	0
1/5/2017 3:00	5.417	45.98	6.451	-5.268	30.05	0
1/5/2017 3:15	3.094	130.4	29.62	-2.562	30.05	0
1/5/2017 3:30	3.491	136.2	8.43	-2.078	30.05	0
1/5/2017 3:45	2.536	106.7	11.87	-2.702	30.05	0
1/5/2017 4:00	4.116	100.5	7.919	-4.225	30.02	0
1/5/2017 4:15	4.074	97.7	18.72	-3.736	30.02	0
1/5/2017 4:30	5.43	95.3	10.1	-4.671	30.02	0
1/5/2017 4:45	6.91	80.6	12.08	-4.441	30.02	0
1/5/2017 5:00	6.811	66.29	7.829	-4.807	30	0
1/5/2017 5:15	7.395	88.2	11.65	-3.999	30	0
1/5/2017 5:30	4.053	70.53	11.21	-3.971	30	0
1/5/2017 5:45	4.207	56.37	3.259	-3.231	30	0
1/5/2017 6:00	5.003	31.03	11.04	-4.442	29.99	0
1/5/2017 6:15	6.251	28.23	9.27	-4.513	29.99	0
1/5/2017 6:30	4.443	21.62	7.724	-4.01	29.99	0
1/5/2017 6:45	2.732	352.6	59.02	-4.692	29.99	0
1/5/2017 7:00	3.843	281.9	5.978	-4.114	29.99	0
1/5/2017 7:15	4.877	286.3	8.11	-3.839	29.99	0
1/5/2017 7:30	3.909	288.8	7.579	-3.738	29.99	0
1/5/2017 7:45	3.138	286.5	3.86	-3.231	29.99	0
1/5/2017 8:00	0.876	282.3	0.13	-2.871	30	0
1/5/2017 8:15	1.35	55.72	70.15	-2.886	30	0
1/5/2017 8:30	2.655	114.1	13.65	-2.588	30	0
1/5/2017 8:45	3.48	149.9	9.09	-2.924	30	0
1/5/2017 9:00	1.361	124.3	26.1	-2.065	30.01	0
1/5/2017 9:15	1.481	31.13	10.54	-3.837	30.01	0
1/5/2017 9:30	1.935	350.8	19.96	-4.186	30.01	0
1/5/2017 9:45	2.106	275.5	41.4	-2.391	30.01	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/5/2017 10:00	1.985	202.7	15.48	-2.497	30.03	0
1/5/2017 10:15	3.662	197.7	14.57	-2.343	30.03	0
1/5/2017 10:30	5.085	173	12.84	-1.823	30.03	0
1/5/2017 10:45	5.467	190.6	15.36	-1.411	30.03	0
1/5/2017 11:00	6.165	201.7	7.163	-1.286	30.01	0
1/5/2017 11:15	5.496	201.8	10.07	-0.96	30.01	0
1/5/2017 11:30	5.411	193	13.81	-0.555	30.01	0
1/5/2017 11:45	5.277	207.5	9.42	-0.25	30.01	0
1/5/2017 12:00	5.538	209.7	13.14	0.047	29.96	0
1/5/2017 12:15	4.619	219	16.59	0.257	29.96	0
1/5/2017 12:30	4.247	231.6	10.49	0.444	29.96	0
1/5/2017 12:45	3.534	225.3	11.2	0.813	29.96	0
1/5/2017 13:00	4.157	229.4	12.87	0.965	29.94	0
1/5/2017 13:15	4.035	230.2	13.69	1.13	29.94	0
1/5/2017 13:30	3.863	231.9	14.94	1.31	29.94	0
1/5/2017 13:45	3.77	228.6	13.47	1.617	29.94	0
1/5/2017 14:00	2.331	231.1	13.01	1.863	29.94	0
1/5/2017 14:15	1.087	261.6	42.44	2.491	29.94	0
1/5/2017 14:30	1.263	249.9	24.8	2.534	29.94	0
1/5/2017 14:45	0.887	272.4	29.2	2.598	29.94	0
1/5/2017 15:00	1.898	241.5	32.8	2.411	29.93	0
1/5/2017 15:15	2.06	233.8	29.69	2.372	29.93	0
1/5/2017 15:30	2.916	216.5	8.54	2.177	29.93	0
1/5/2017 15:45	3.761	220.5	3.163	1.888	29.93	0
1/5/2017 16:00	2.839	226.9	4.907	1.812	29.92	0
1/5/2017 16:15	2.416	232.6	5.754	1.7	29.92	0
1/5/2017 16:30	1.189	193.2	28.04	1.488	29.92	0
1/5/2017 16:45	0.033	158.5	0.02	0.768	29.92	0
1/5/2017 17:00	0.77	261.6	6.766	0.227	29.89	0
1/5/2017 17:15	2.737	240.8	3.798	0.585	29.89	0
1/5/2017 17:30	2.774	240.2	4.793	0.547	29.89	0
1/5/2017 17:45	1.965	210.8	9.32	-0.099	29.89	0
1/5/2017 18:00	1.399	201.4	13.2	-0.308	29.88	0
1/5/2017 18:15	1.918	181.1	11.54	-0.279	29.88	0
1/5/2017 18:30	2.032	145.5	14.65	-0.476	29.88	0
1/5/2017 18:45	2.394	146.9	75.94	-1.122	29.88	0
1/5/2017 19:00	1.783	133.7	9.88	-0.964	29.86	0
1/5/2017 19:15	3.269	149.3	4.162	-0.577	29.86	0
1/5/2017 19:30	3.806	156.3	3.739	-0.84	29.86	0
1/5/2017 19:45	3.779	147.1	6.184	-1.095	29.86	0
1/5/2017 20:00	2.234	116.3	22.1	-1.817	29.85	0
1/5/2017 20:15	3.59	100.1	7.366	-2.391	29.85	0
1/5/2017 20:30	4.155	114.1	6.627	-2.567	29.85	0
1/5/2017 20:45	4.245	146.7	8.24	-1.989	29.85	0
1/5/2017 21:00	4.736	152.6	7.031	-1.923	29.83	0
1/5/2017 21:15	4.145	155	7.327	-2.153	29.83	0
1/5/2017 21:30	4.524	150.2	6.876	-2.08	29.83	0
1/5/2017 21:45	3.229	140.7	2.551	-1.842	29.83	0
1/5/2017 22:00	3.493	130	7.379	-2.064	29.82	0
1/5/2017 22:15	3.894	139	6.128	-1.998	29.82	0
1/5/2017 22:30	3.346	140.2	3.601	-1.845	29.82	0
1/5/2017 22:45	3.256	146.9	7.301	-2.043	29.82	0
1/5/2017 23:00	1.95	135.1	0.658	-1.903	29.82	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/5/2017 23:15	2.365	135.1	7.033	-1.975	29.82	0
1/5/2017 23:30	2.904	151.3	1.794	-2.063	29.82	0
1/5/2017 23:45	2.887	161.3	8.03	-2	29.82	0
1/6/2017 0:00	4.046	172	4.486	-2.33	29.81	0
1/6/2017 0:15	3.768	174.9	4.989	-3.001	29.81	0
1/6/2017 0:30	4.447	173.9	5.623	-3.465	29.81	0
1/6/2017 0:45	5.173	158.4	8.75	-2.968	29.81	0
1/6/2017 1:00	5.603	170.4	11.32	-3.064	29.77	0
1/6/2017 1:15	4.712	180	10.04	-3.627	29.77	0
1/6/2017 1:30	5.949	169.6	8.65	-3.155	29.77	0
1/6/2017 1:45	4.861	184.9	11.3	-3.402	29.77	0
1/6/2017 2:00	3.464	165.9	13.14	-3.562	29.76	0
1/6/2017 2:15	3.172	140.9	5.927	-2.369	29.76	0
1/6/2017 2:30	2.836	162	9.07	-2.543	29.76	0
1/6/2017 2:45	1.022	166.8	0.076	-2.709	29.76	0
1/6/2017 3:00	2.186	144.8	18.8	-2.927	29.76	0
1/6/2017 3:15	2.199	134.4	15.18	-3.038	29.76	0
1/6/2017 3:30	4.561	167.2	4.345	-3.081	29.76	0
1/6/2017 3:45	3.965	154.6	7.973	-2.931	29.76	0
1/6/2017 4:00	4.287	135.1	4.234	-2.685	29.75	0
1/6/2017 4:15	4.325	148.7	9.95	-2.843	29.75	0
1/6/2017 4:30	4.163	191.1	19.61	-4.486	29.75	0
1/6/2017 4:45	5.491	206.2	7.217	-4.787	29.75	0
1/6/2017 5:00	6.94	200.3	4.886	-4.96	29.73	0
1/6/2017 5:15	6.06	202	5.66	-5.305	29.73	0
1/6/2017 5:30	3.517	159.4	24.07	-4.875	29.73	0
1/6/2017 5:45	5.427	141.5	4.003	-3.834	29.73	0
1/6/2017 6:00	5.313	138.9	5.367	-3.141	29.7	0
1/6/2017 6:15	6.748	142	5.839	-2.476	29.7	0
1/6/2017 6:30	5.425	146.9	5.675	-2.841	29.7	0
1/6/2017 6:45	2.541	61.26	19.72	-4.318	29.7	0
1/6/2017 7:00	3.676	54.31	6.724	-4.085	29.7	0
1/6/2017 7:15	3.307	66.17	3.205	-3.77	29.7	0
1/6/2017 7:30	2.74	70.22	5.979	-3.812	29.7	0
1/6/2017 7:45	2.528	72.55	0.281	-4.018	29.7	0
1/6/2017 8:00	2.305	126.4	45.35	-4.28	29.68	0
1/6/2017 8:15	3.314	163.8	13.35	-3.868	29.68	0
1/6/2017 8:30	3.617	184.8	7.682	-4.469	29.68	0
1/6/2017 8:45	2.944	158.2	15.97	-4.028	29.68	0
1/6/2017 9:00	1.203	139.8	1.031	-3.013	29.7	0
1/6/2017 9:15	0.918	110	24.69	-2.748	29.7	0
1/6/2017 9:30	1.388	104.9	33.5	-2.297	29.7	0
1/6/2017 9:45	3.063	156.5	18.56	-1.336	29.7	0
1/6/2017 10:00	0.651	115	35	-0.79	29.72	0
1/6/2017 10:15	0.084	85.6	6.589	-1.016	29.72	0
1/6/2017 10:30	1.502	4.911	11.1	-1.091	29.72	0
1/6/2017 10:45	1.468	358.7	8.42	-0.614	29.72	0
1/6/2017 11:00	0.106	5.321	0.033	0.194	29.72	0
1/6/2017 11:15	1.365	257.3	76.76	1.468	29.72	0
1/6/2017 11:30	2.35	193.7	37.29	1.507	29.72	0
1/6/2017 11:45	2.682	148.9	10.83	2.138	29.72	0
1/6/2017 12:00	2.826	112.2	24.42	2.365	29.7	0
1/6/2017 12:15	2.365	130.1	11.44	2.238	29.7	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/6/2017 12:30	2.922	159.7	19	2.771	29.7	0
1/6/2017 12:45	3.188	151.3	12.91	3.124	29.7	0
1/6/2017 13:00	2.63	191.5	21.75	3.347	29.67	0
1/6/2017 13:15	3.36	209.3	11.68	3.193	29.67	0
1/6/2017 13:30	3.517	214.1	9.67	3.413	29.67	0
1/6/2017 13:45	2.932	213.7	12.03	3.631	29.67	0
1/6/2017 14:00	1.783	215.5	24.24	4.145	29.67	0
1/6/2017 14:15	2.392	232.3	16.07	4.12	29.67	0
1/6/2017 14:30	2.513	235.2	9.58	4.566	29.67	0
1/6/2017 14:45	3.246	241.7	19.34	4.445	29.67	0
1/6/2017 15:00	1.574	332.7	17.17	4.692	29.65	0
1/6/2017 15:15	1.791	30.79	22.93	4.375	29.65	0
1/6/2017 15:30	2.114	47.64	20.79	3.941	29.65	0
1/6/2017 15:45	1.063	14.39	0.103	4.281	29.65	0
1/6/2017 16:00	1.438	23.43	7.512	4.22	29.64	0
1/6/2017 16:15	3.425	22.28	4.692	2.595	29.64	0
1/6/2017 16:30	3.214	25.28	3.756	2.404	29.64	0
1/6/2017 16:45	3.539	56.42	32.72	1.63	29.64	0
1/6/2017 17:00	2.494	102.9	30.86	1.878	29.63	0
1/6/2017 17:15	4.328	140.2	15.91	1.925	29.63	0
1/6/2017 17:30	4.276	176.1	18.86	1.334	29.63	0
1/6/2017 17:45	4.822	144.3	16.55	0.977	29.63	0
1/6/2017 18:00	6.122	132.2	10.02	0.921	29.62	0
1/6/2017 18:15	6.801	135.8	7.551	0.731	29.62	0
1/6/2017 18:30	8.95	140	8.7	0.618	29.62	0
1/6/2017 18:45	8.67	141.1	9.75	0.324	29.62	0
1/6/2017 19:00	9.51	154.3	11.01	-0.039	29.63	0
1/6/2017 19:15	7.374	145.7	19.68	-0.248	29.63	0.01
1/6/2017 19:30	5.831	144	17.92	-0.385	29.63	0
1/6/2017 19:45	9.71	139.4	10.69	-0.324	29.63	0
1/6/2017 20:00	8.52	146.6	13.34	-0.598	29.65	0
1/6/2017 20:15	9.31	143.5	12.02	-0.76	29.65	0
1/6/2017 20:30	9.63	157.1	11.29	-1.153	29.65	0
1/6/2017 20:45	8.94	146.8	11.96	-1.295	29.65	0
1/6/2017 21:00	8.31	144.1	11.7	-1.54	29.65	0
1/6/2017 21:15	10.11	148.7	12.69	-1.672	29.65	0
1/6/2017 21:30	11.25	149.6	10.63	-1.741	29.65	0
1/6/2017 21:45	9.67	150.5	14.48	-1.877	29.65	0
1/6/2017 22:00	10.31	145	11.74	-1.89	29.64	0
1/6/2017 22:15	11.23	142.5	10.76	-2	29.64	0
1/6/2017 22:30	12.46	144.4	8.9	-2.289	29.64	0
1/6/2017 22:45	11.79	138.7	8.8	-2.349	29.64	0
1/6/2017 23:00	10.9	139.6	10.43	-2.362	29.63	0
1/6/2017 23:15	10.97	132	11.35	-2.476	29.63	0
1/6/2017 23:30	9.08	142.1	15.77	-2.147	29.63	0
1/6/2017 23:45	6.308	153	20.82	-2.377	29.63	0
1/7/2017 0:00	6.892	139.8	16.34	-2.203	29.63	0
1/7/2017 0:15	7.294	135.7	20.18	-2.191	29.63	0
1/7/2017 0:30	10.02	138.8	12.47	-2.246	29.63	0
1/7/2017 0:45	11.67	135.2	12.37	-2.178	29.63	0
1/7/2017 1:00	9.44	125.4	13.37	-2.15	29.62	0
1/7/2017 1:15	9.3	126.3	15.98	-2.018	29.62	0
1/7/2017 1:30	10.13	131.8	15.9	-1.931	29.62	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/7/2017 1:45	8.71	128.5	13.54	-2.083	29.62	0
1/7/2017 2:00	9.64	129	12.81	-2.065	29.62	0
1/7/2017 2:15	11.05	133	10.84	-1.917	29.62	0
1/7/2017 2:30	10.91	132.1	14.04	-1.955	29.62	0
1/7/2017 2:45	11.08	137.6	11.34	-1.941	29.62	0
1/7/2017 3:00	11.12	137.8	12.64	-1.93	29.6	0
1/7/2017 3:15	12.11	136.1	10.85	-1.863	29.6	0
1/7/2017 3:30	9.68	138.6	13.97	-1.825	29.6	0
1/7/2017 3:45	10.57	129.1	16.85	-1.879	29.6	0
1/7/2017 4:00	9.74	129.6	13.61	-1.895	29.59	0
1/7/2017 4:15	7.151	120	18.94	-1.89	29.59	0
1/7/2017 4:30	9.88	135.2	14.15	-1.834	29.59	0
1/7/2017 4:45	10.54	137.3	12.95	-1.712	29.59	0
1/7/2017 5:00	14.35	128.9	14.41	-1.621	29.55	0
1/7/2017 5:15	14.19	123.4	17.2	-1.521	29.55	0
1/7/2017 5:30	11.45	117.5	14.75	-1.624	29.55	0
1/7/2017 5:45	10.84	122	15.52	-1.449	29.55	0
1/7/2017 6:00	13.34	122.9	13.44	-1.328	29.52	0
1/7/2017 6:15	15.01	127.2	11.76	-1.134	29.52	0
1/7/2017 6:30	17.46	126.1	10.72	-0.943	29.52	0
1/7/2017 6:45	15.72	129.4	10.86	-0.861	29.52	0
1/7/2017 7:00	15.21	128	10.67	-0.857	29.51	0
1/7/2017 7:15	12.91	129.5	11.41	-0.784	29.51	0
1/7/2017 7:30	11.08	126.3	13.82	-0.697	29.51	0
1/7/2017 7:45	15.5	130.3	12.26	-0.535	29.51	0
1/7/2017 8:00	16.57	126.2	9.75	-0.321	29.47	0
1/7/2017 8:15	17.76	129.3	10.07	-0.222	29.47	0
1/7/2017 8:30	19.63	125.2	10.49	-0.217	29.47	0
1/7/2017 8:45	16.77	120.7	11.25	0.249	29.47	0
1/7/2017 9:00	16.9	126.4	11.56	0.61	29.46	0
1/7/2017 9:15	17.59	124.9	10.76	0.767	29.46	0
1/7/2017 9:30	16.67	126.7	11.66	1.134	29.46	0
1/7/2017 9:45	15.93	127.8	11.36	1.333	29.46	0
1/7/2017 10:00	13.09	123.7	12.41	1.489	29.44	0
1/7/2017 10:15	14.94	117.9	14.41	1.693	29.44	0
1/7/2017 10:30	14.41	117	14.69	1.804	29.44	0
1/7/2017 10:45	12.25	114.2	15.27	2.123	29.44	0
1/7/2017 11:00	13.4	128.5	12.4	2.076	29.41	0
1/7/2017 11:15	15.13	122.2	12.82	2.072	29.41	0
1/7/2017 11:30	14.68	126.3	11.47	2.182	29.41	0
1/7/2017 11:45	13.28	132.6	12.78	2.17	29.41	0
1/7/2017 12:00	13.62	131.4	12.43	2.166	29.38	0
1/7/2017 12:15	15.33	133	11.49	2.271	29.38	0
1/7/2017 12:30	15.81	129.9	11.76	2.268	29.38	0
1/7/2017 12:45	16.53	134.9	10.94	2.286	29.38	0
1/7/2017 13:00	15.57	133.5	10.85	2.112	29.35	0
1/7/2017 13:15	15.69	133.5	11.4	1.965	29.35	0
1/7/2017 13:30	14.01	133.5	11.47	1.829	29.35	0
1/7/2017 13:45	13.36	132.4	12	1.86	29.35	0
1/7/2017 14:00	13.68	134.3	11.55	1.909	29.34	0
1/7/2017 14:15	13.37	134.4	11.41	1.786	29.34	0
1/7/2017 14:30	14.91	137.8	8.84	1.727	29.34	0
1/7/2017 14:45	16.82	140.4	10.17	1.768	29.34	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/7/2017 15:00	12.56	134.3	12.02	1.871	29.34	0
1/7/2017 15:15	13.2	134.1	12.81	1.949	29.34	0
1/7/2017 15:30	13.6	138.1	11.42	1.731	29.34	0
1/7/2017 15:45	13.9	136.9	12.36	1.436	29.34	0
1/7/2017 16:00	15.11	128.5	12.98	1.331	29.36	0
1/7/2017 16:15	14.76	132.4	12.61	1.542	29.36	0
1/7/2017 16:30	12.64	143.8	12.23	1.432	29.36	0
1/7/2017 16:45	14.35	134.4	11.18	1.129	29.36	0
1/7/2017 17:00	15.44	132.7	10.93	0.837	29.39	0
1/7/2017 17:15	14.85	133.4	11.17	0.677	29.39	0
1/7/2017 17:30	16.36	138.3	11.05	0.605	29.39	0
1/7/2017 17:45	17.82	132.8	10.72	0.625	29.39	0
1/7/2017 18:00	18.29	127.8	11.9	0.578	29.42	0
1/7/2017 18:15	16.76	134.5	10.76	0.418	29.42	0
1/7/2017 18:30	17.93	140.9	11.07	0.442	29.42	0
1/7/2017 18:45	17.16	137	12	0.365	29.42	0
1/7/2017 19:00	15.16	140	11.62	0.321	29.47	0
1/7/2017 19:15	15.07	141.6	12.02	0.337	29.47	0
1/7/2017 19:30	15.39	131.7	11.23	0.457	29.47	0
1/7/2017 19:45	13.05	133.3	12.1	0.519	29.47	0
1/7/2017 20:00	12.8	138.3	10.19	0.582	29.52	0
1/7/2017 20:15	13.03	140.2	11.26	0.627	29.52	0
1/7/2017 20:30	14.17	137.1	10.33	0.578	29.52	0
1/7/2017 20:45	15.42	132.5	10.48	0.559	29.52	0
1/7/2017 21:00	15.86	133.2	10.81	0.563	29.55	0
1/7/2017 21:15	15.39	134.8	10.78	0.551	29.55	0
1/7/2017 21:30	14.84	134.8	11.2	0.516	29.55	0
1/7/2017 21:45	14.15	140.8	11.3	0.488	29.55	0
1/7/2017 22:00	14.03	146.5	10.51	0.466	29.58	0
1/7/2017 22:15	13.08	143.6	10.98	0.52	29.58	0
1/7/2017 22:30	13.81	143.1	10.65	0.618	29.58	0
1/7/2017 22:45	8.69	130.1	17.05	0.567	29.58	0
1/7/2017 23:00	4.718	114.9	16.56	0.453	29.58	0
1/7/2017 23:15	4.996	146.9	13.43	0.25	29.58	0
1/7/2017 23:30	6.589	141.9	7.879	0.239	29.58	0
1/7/2017 23:45	5.557	123.7	11.72	0.354	29.58	0
1/8/2017 0:00	6.549	145.3	16.87	0.453	29.57	0
1/8/2017 0:15	6.184	116.1	11.76	0.417	29.57	0
1/8/2017 0:30	5.214	110.6	15.78	0.155	29.57	0
1/8/2017 0:45	4.678	139.6	14.48	0.107	29.57	0
1/8/2017 1:00	6.801	133.2	11.84	0.538	29.55	0
1/8/2017 1:15	4.391	114.3	9.74	0.5	29.55	0
1/8/2017 1:30	4.907	134.8	10.66	0.805	29.55	0
1/8/2017 1:45	6.619	118.3	9.95	1.341	29.55	0
1/8/2017 2:00	7.353	132	12.1	1.238	29.55	0
1/8/2017 2:15	7.816	121.1	12.48	1.343	29.55	0
1/8/2017 2:30	7.748	117	11.62	1.193	29.55	0
1/8/2017 2:45	8.24	132.2	13.47	1.533	29.55	0
1/8/2017 3:00	10.16	132.2	9.45	2.118	29.52	0
1/8/2017 3:15	10.86	127.9	10.72	2.403	29.52	0
1/8/2017 3:30	9.23	111.1	12.04	2.309	29.52	0
1/8/2017 3:45	8.68	135.7	15.01	2.315	29.52	0
1/8/2017 4:00	9.39	132	15.05	2.223	29.49	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/8/2017 4:15	10.53	143.5	10.05	2.108	29.49	0
1/8/2017 4:30	10.23	129.9	12.09	2.176	29.49	0
1/8/2017 4:45	10.91	127.2	11.84	2.529	29.49	0
1/8/2017 5:00	8.45	120.8	15.21	2.696	29.44	0
1/8/2017 5:15	9.95	133.4	14.59	2.644	29.44	0
1/8/2017 5:30	9.15	107.9	14.44	2.667	29.44	0
1/8/2017 5:45	10.24	111.3	15.04	2.911	29.44	0
1/8/2017 6:00	8.27	107.9	15.51	3.251	29.41	0
1/8/2017 6:15	9.77	123.4	16.04	3.635	29.41	0
1/8/2017 6:30	14.25	128.2	10.22	3.863	29.41	0
1/8/2017 6:45	11.02	130.8	11.27	4.224	29.41	0
1/8/2017 7:00	11.84	130.2	13.01	4.262	29.35	0
1/8/2017 7:15	13.93	127.8	11.87	3.95	29.35	0
1/8/2017 7:30	12.61	120.2	13.29	4.204	29.35	0
1/8/2017 7:45	11.73	124.9	12.16	4.815	29.35	0
1/8/2017 8:00	12.06	116.3	13.57	5.305	29.27	0
1/8/2017 8:15	10.64	128	11.63	5.216	29.27	0
1/8/2017 8:30	11.05	133.2	12.33	5.46	29.27	0
1/8/2017 8:45	11.73	136.5	15.13	6.484	29.27	0
1/8/2017 9:00	14.96	130.7	16.26	6.952	29.21	0
1/8/2017 9:15	14.94	151.4	15	6.863	29.21	0
1/8/2017 9:30	20.29	137.4	11.53	6.719	29.21	0
1/8/2017 9:45	23.54	134.5	11.5	6.653	29.21	0
1/8/2017 10:00	28.62	132.6	10.14	6.635	29.21	0
1/8/2017 10:15	26.27	128.3	10.81	6.124	29.21	0
1/8/2017 10:30	25.87	133.1	11.16	5.495	29.21	0
1/8/2017 10:45	21.72	150.3	12.67	4.851	29.21	0
1/8/2017 11:00	20.09	148.8	16.32	4.528	29.15	0.01
1/8/2017 11:15	19.85	138	12.48	4.994	29.15	0
1/8/2017 11:30	19.56	144.7	10.64	4.608	29.15	0
1/8/2017 11:45	19.05	142	11.77	4.83	29.15	0
1/8/2017 12:00	19.57	129.8	11.77	5.419	29.04	0
1/8/2017 12:15	21.86	127	12.38	5.739	29.04	0
1/8/2017 12:30	25.74	130.2	11.57	5.657	29.04	0
1/8/2017 12:45	26.8	130.8	11.92	5.487	29.04	0
1/8/2017 13:00	25.11	133.1	10.47	5.362	28.97	0
1/8/2017 13:15	23.88	136.4	10.06	5.201	28.97	0
1/8/2017 13:30	24.81	132.8	11.15	4.71	28.97	0.03
1/8/2017 13:45	24.3	130.7	10.7	3.782	28.97	0.04
1/8/2017 14:00	23.39	135.2	10.65	3.98	28.94	0.02
1/8/2017 14:15	21.51	125.2	13.55	3.808	28.94	0.04
1/8/2017 14:30	23.02	124.7	11.82	3.589	28.94	0.01
1/8/2017 14:45	22.7	126.3	11.32	3.63	28.94	0.01
1/8/2017 15:00	22.77	128.3	11.68	3.879	28.88	0
1/8/2017 15:15	23.41	128.7	11.36	3.89	28.88	0
1/8/2017 15:30	26.26	131.2	9.89	3.405	28.88	0.01
1/8/2017 15:45	25.17	131.9	10.21	3.198	28.88	0.01
1/8/2017 16:00	23.24	133.3	10.59	3.254	28.88	0.01
1/8/2017 16:15	23.19	135.8	11.01	3.392	28.88	0
1/8/2017 16:30	23.29	137.4	10.62	3.112	28.88	0.01
1/8/2017 16:45	20.06	138.3	10.67	2.715	28.88	0.01
1/8/2017 17:00	17.47	140.7	11.16	2.312	28.95	0.02
1/8/2017 17:15	18.43	137.9	11.15	2.037	28.95	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/8/2017 17:30	17.65	138	11.82	1.764	28.95	0.02
1/8/2017 17:45	20.12	139.5	10.59	1.846	28.95	0.01
1/8/2017 18:00	18.04	141.6	12.39	1.934	28.94	0.02
1/8/2017 18:15	20.1	136.2	9.73	2.022	28.94	0.01
1/8/2017 18:30	20.35	138.7	10.33	2.301	28.94	0.01
1/8/2017 18:45	17.84	140.1	11.34	2.604	28.94	0.01
1/8/2017 19:00	13.48	145	11.37	2.717	28.97	0.01
1/8/2017 19:15	3.915	55.32	51.27	2.473	28.97	0.01
1/8/2017 19:30	5.69	119	22.34	2.588	28.97	0
1/8/2017 19:45	13.9	134.1	9.82	3.102	28.97	0.01
1/8/2017 20:00	14.55	139.6	10.69	3.427	28.98	0.01
1/8/2017 20:15	16.19	135	10.93	3.713	28.98	0
1/8/2017 20:30	15.02	133.6	9.79	4.099	28.98	0
1/8/2017 20:45	12.71	155.1	15.03	4.005	28.98	0.01
1/8/2017 21:00	12.67	166.3	11.72	3.477	29.02	0.01
1/8/2017 21:15	10.63	176.6	13.7	3.053	29.02	0.01
1/8/2017 21:30	9.16	166.7	15.54	2.443	29.02	0
1/8/2017 21:45	8.61	148	9.39	2.663	29.02	0.01
1/8/2017 22:00	8.64	148	22.95	3.029	29.05	0
1/8/2017 22:15	8.51	147.9	8.23	3.461	29.05	0
1/8/2017 22:30	7.756	160.7	13	3.538	29.05	0
1/8/2017 22:45	7.352	151.5	19.08	3.832	29.05	0
1/8/2017 23:00	5.964	154.2	10.86	4.125	29.09	0
1/8/2017 23:15	5.485	135.5	12.65	4.47	29.09	0
1/8/2017 23:30	6.111	148.8	16.71	4.875	29.09	0
1/8/2017 23:45	8.5	168.1	16.65	5.587	29.09	0
1/9/2017 0:00	8.96	165.8	19.21	4.837	29.09	0
1/9/2017 0:15	7.26	165.7	22.12	4.424	29.09	0
1/9/2017 0:30	6.092	190	22.3	4.233	29.09	0.01
1/9/2017 0:45	6.393	186.7	13.12	2.924	29.09	0
1/9/2017 1:00	6.928	159	8.94	3.145	29.12	0
1/9/2017 1:15	6.718	156.9	8.05	3.455	29.12	0
1/9/2017 1:30	6.713	162.1	6.933	3.668	29.12	0
1/9/2017 1:45	7.054	167.2	13.41	3.887	29.12	0
1/9/2017 2:00	8.78	196.2	8.07	4.044	29.17	0
1/9/2017 2:15	11.02	206	6.753	4.277	29.17	0
1/9/2017 2:30	13.8	205.6	7.042	4.279	29.17	0
1/9/2017 2:45	13.54	204.8	6.18	4.365	29.17	0
1/9/2017 3:00	12.32	205.2	6.207	4.349	29.19	0
1/9/2017 3:15	11.4	206.7	6.132	4.16	29.19	0
1/9/2017 3:30	11.96	204.3	6.371	4.103	29.19	0
1/9/2017 3:45	12.17	203.9	6.441	3.982	29.19	0
1/9/2017 4:00	13.35	197.7	7.502	4.127	29.18	0
1/9/2017 4:15	11.95	185.9	7.822	4.02	29.18	0
1/9/2017 4:30	9.22	175.7	10.65	3.927	29.18	0
1/9/2017 4:45	6.366	149.2	13.88	3.61	29.18	0
1/9/2017 5:00	5.839	136.6	8.2	3.562	29.17	0
1/9/2017 5:15	6.536	134.7	8.32	3.548	29.17	0
1/9/2017 5:30	7.54	152.2	7.088	3.486	29.17	0
1/9/2017 5:45	9.58	162.8	6.752	3.596	29.17	0
1/9/2017 6:00	6.044	174.2	8.27	3.498	29.15	0
1/9/2017 6:15	5.744	171.7	10.9	3.298	29.15	0
1/9/2017 6:30	6.535	178.8	6.153	3.751	29.15	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/2017 6:45	6.738	181.3	7.974	3.904	29.15	0
1/9/2017 7:00	7.595	190.1	5.365	3.748	29.16	0
1/9/2017 7:15	7.98	186	5.756	3.505	29.16	0
1/9/2017 7:30	5.749	171.6	8.42	3.516	29.16	0
1/9/2017 7:45	5.025	150.1	7.779	3.181	29.16	0
1/9/2017 8:00	4.723	144.3	8.12	3.558	29.17	0
1/9/2017 8:15	6.856	160.3	5.977	3.406	29.17	0
1/9/2017 8:30	6.357	158.6	8.39	3.185	29.17	0
1/9/2017 8:45	5.443	153.4	6.556	3.182	29.17	0
1/9/2017 9:00	4.503	156.5	5.925	2.933	29.2	0
1/9/2017 9:15	2.632	149.6	10.49	2.863	29.2	0
1/9/2017 9:30	3.201	168.4	15.27	3.143	29.2	0
1/9/2017 9:45	5.11	192.7	7.905	3.071	29.2	0
1/9/2017 10:00	6.988	172.9	15.02	3.03	29.21	0
1/9/2017 10:15	6.534	179.8	14.41	2.891	29.21	0
1/9/2017 10:30	5.816	175.9	12.83	2.853	29.21	0
1/9/2017 10:45	7.973	157	9.42	2.897	29.21	0
1/9/2017 11:00	9.14	155.8	7.312	2.864	29.23	0
1/9/2017 11:15	7.927	156	7.257	2.888	29.23	0
1/9/2017 11:30	6.571	153.9	9.35	2.793	29.23	0
1/9/2017 11:45	7.746	158.7	6.478	2.711	29.23	0
1/9/2017 12:00	7.544	175.6	15.22	2.671	29.23	0
1/9/2017 12:15	7.571	160.5	8.13	2.527	29.23	0
1/9/2017 12:30	5.777	152.7	8.79	2.546	29.23	0
1/9/2017 12:45	4.744	159.1	7.455	2.638	29.23	0
1/9/2017 13:00	3.602	156.4	17.82	2.677	29.23	0
1/9/2017 13:15	3.543	202.2	10.69	2.571	29.23	0
1/9/2017 13:30	5.693	197.6	7.402	2.423	29.23	0
1/9/2017 13:45	3.032	194	23.38	2.48	29.23	0
1/9/2017 14:00	2.627	157	14.44	2.751	29.25	0
1/9/2017 14:15	3.039	168	19.93	2.856	29.25	0
1/9/2017 14:30	3.387	195	19.92	2.713	29.25	0.01
1/9/2017 14:45	2.551	218.4	3.527	2.569	29.25	0
1/9/2017 15:00	3.048	154.8	25.34	2.546	29.26	0
1/9/2017 15:15	4.606	125.8	6.846	2.449	29.26	0.01
1/9/2017 15:30	4.942	97.7	8.36	2.375	29.26	0
1/9/2017 15:45	3.764	99.8	5.997	2.256	29.26	0
1/9/2017 16:00	3.193	112.5	5.147	2.196	29.27	0
1/9/2017 16:15	3.442	114.7	5.63	2.311	29.27	0.01
1/9/2017 16:30	3.409	129.9	7.499	2.317	29.27	0
1/9/2017 16:45	4.246	136.3	6.836	2.241	29.27	0.01
1/9/2017 17:00	4.797	140.9	10.29	2.22	29.27	0.01
1/9/2017 17:15	4.339	128.5	10.87	2.297	29.27	0
1/9/2017 17:30	3.18	103.3	10.27	2.229	29.27	0
1/9/2017 17:45	4.474	106.8	6.449	2.208	29.27	0
1/9/2017 18:00	3.662	119	8.66	2.327	29.26	0
1/9/2017 18:15	3.8	137.4	8.43	2.383	29.26	0
1/9/2017 18:30	0.897	132.1	31.77	2.412	29.26	0
1/9/2017 18:45	1.731	61.28	12.33	2.384	29.26	0
1/9/2017 19:00	2.051	85	3.959	2.333	29.26	0
1/9/2017 19:15	1.816	85.3	1.466	2.192	29.26	0
1/9/2017 19:30	1.594	99.1	53.04	2.225	29.26	0
1/9/2017 19:45	1.888	76.79	12.82	1.78	29.26	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/2017 20:00	2.707	46.97	11.01	1.25	29.25	0
1/9/2017 20:15	4.194	27.66	2.06	1.386	29.25	0
1/9/2017 20:30	4.527	26.45	2.407	1.329	29.25	0
1/9/2017 20:45	3.854	41.46	4.952	0.866	29.25	0
1/9/2017 21:00	4.98	39.46	4.702	0.767	29.23	0
1/9/2017 21:15	4.877	37.17	6.24	0.42	29.23	0
1/9/2017 21:30	3.108	73.58	25.03	0.417	29.23	0
1/9/2017 21:45	3.89	57.07	7.908	0.529	29.23	0
1/9/2017 22:00	3.634	43.49	9.13	0.254	29.22	0
1/9/2017 22:15	3.841	21.36	7.487	0.882	29.22	0
1/9/2017 22:30	3.087	29.93	2.352	0.896	29.22	0
1/9/2017 22:45	3.218	64.31	7.308	0.813	29.22	0
1/9/2017 23:00	3.908	38.14	11.25	0.943	29.21	0
1/9/2017 23:15	4.303	35.16	9	0.675	29.21	0
1/9/2017 23:30	3.282	28.34	8.94	0.833	29.21	0
1/9/2017 23:45	4.188	25.99	13.21	0.846	29.21	0
1/10/2017 0:00	0.609	9.62	0.845	0.844	29.2	0
1/10/2017 0:15	1.476	11.15	1.712	0.35	29.2	0
1/10/2017 0:30	4.303	42.54	7.213	0.188	29.2	0
1/10/2017 0:45	2.034	38.77	1.825	1.218	29.2	0
1/10/2017 1:00	0.59	42.61	0.797	1.399	29.19	0
1/10/2017 1:15	0.393	42.98	0.049	1.408	29.19	0
1/10/2017 1:30	1.133	115.3	60.97	1.583	29.19	0
1/10/2017 1:45	5.742	211.7	5.202	1.466	29.19	0
1/10/2017 2:00	6.011	195.5	11.15	1.31	29.21	0
1/10/2017 2:15	3.212	124.8	26.78	1.071	29.21	0.01
1/10/2017 2:30	5.584	78.22	6.046	1.193	29.21	0
1/10/2017 2:45	5.554	85.2	9.13	1.311	29.21	0
1/10/2017 3:00	5.491	105.6	7.587	1.915	29.19	0
1/10/2017 3:15	5.986	124.3	17.4	2.482	29.19	0
1/10/2017 3:30	5.073	142.7	7.819	2.253	29.19	0
1/10/2017 3:45	3.397	116.5	22.38	1.749	29.19	0
1/10/2017 4:00	3.949	60.85	9.94	1.226	29.18	0
1/10/2017 4:15	3.63	67.75	4.922	0.983	29.18	0
1/10/2017 4:30	4.372	44.83	11.89	0.622	29.18	0
1/10/2017 4:45	4.308	54.31	17.46	0.892	29.18	0.01
1/10/2017 5:00	4.027	73.12	12.68	0.816	29.16	0
1/10/2017 5:15	4.647	31.2	11.06	0.535	29.16	0
1/10/2017 5:30	4.765	15.16	4.643	0.582	29.16	0
1/10/2017 5:45	5.136	21.06	3.804	0.748	29.16	0.01
1/10/2017 6:00	3.16	30.87	5.381	0.69	29.14	0
1/10/2017 6:15	1.844	38.79	3.217	0.612	29.14	0.01
1/10/2017 6:30	3.393	55.83	9.51	0.558	29.14	0
1/10/2017 6:45	3.956	101.7	42.82	0.921	29.14	0.01
1/10/2017 7:00	7.246	142.4	10.29	1.44	29.15	0.01
1/10/2017 7:15	6.037	125	6.904	1.454	29.15	0
1/10/2017 7:30	5.288	123.7	5.525	1.602	29.15	0
1/10/2017 7:45	4.327	111.1	6.485	1.708	29.15	0
1/10/2017 8:00	3.713	61.57	14.75	1.157	29.15	0
1/10/2017 8:15	4.475	38.4	7.125	1.169	29.15	0
1/10/2017 8:30	4.66	53.82	13.08	0.86	29.15	0
1/10/2017 8:45	5.69	64.33	9.17	0.66	29.15	0
1/10/2017 9:00	4.985	54.53	14.37	0.678	29.19	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/10/2017 9:15	3.911	17.49	5.582	0.645	29.19	0.01
1/10/2017 9:30	3.927	14.29	8.41	0.855	29.19	0
1/10/2017 9:45	1.684	16.89	9.23	1.076	29.19	0
1/10/2017 10:00	2.12	54.96	19.42	1.143	29.21	0
1/10/2017 10:15	3.094	60.78	10.95	1.155	29.21	0
1/10/2017 10:30	6.554	32.5	8.48	1.006	29.21	0
1/10/2017 10:45	6.569	39.13	9.29	1.025	29.21	0
1/10/2017 11:00	6.597	40.44	9.33	1.067	29.19	0
1/10/2017 11:15	6.307	32.64	10.01	1.492	29.19	0
1/10/2017 11:30	5.65	37.76	10.95	1.519	29.19	0
1/10/2017 11:45	5.912	26.6	11.24	1.526	29.19	0.01
1/10/2017 12:00	3.102	349.7	40.83	1.829	29.15	0
1/10/2017 12:15	2.093	7.944	46.92	2.452	29.15	0
1/10/2017 12:30	4.482	50.79	7.71	1.88	29.15	0
1/10/2017 12:45	6.716	19.18	14.12	2.169	29.15	0
1/10/2017 13:00	9.3	17.88	10.74	2.44	29.11	0
1/10/2017 13:15	12.2	17.04	11	2.545	29.11	0
1/10/2017 13:30	11.61	25.8	9.56	2.584	29.11	0
1/10/2017 13:45	12.91	25.17	8.07	2.466	29.11	0
1/10/2017 14:00	14.75	26.17	8.87	2.299	29.1	0
1/10/2017 14:15	12.78	25.97	9.44	2	29.1	0
1/10/2017 14:30	14.64	17.66	10.53	1.53	29.1	0
1/10/2017 14:45	13.09	16.78	8.53	1.568	29.1	0
1/10/2017 15:00	11.06	13.83	10.88	1.619	29.1	0
1/10/2017 15:15	13.28	17.61	11.67	1.474	29.1	0
1/10/2017 15:30	14.38	21.67	9	1.383	29.1	0
1/10/2017 15:45	14.77	18.77	8.21	1.38	29.1	0
1/10/2017 16:00	14.26	22.54	10.96	1.343	29.08	0
1/10/2017 16:15	13.71	24.19	9.25	1.21	29.08	0
1/10/2017 16:30	13.96	18.24	10.43	1.226	29.08	0
1/10/2017 16:45	12.6	12.65	10.33	1.162	29.08	0
1/10/2017 17:00	12.91	17.39	9.19	1.176	29.08	0
1/10/2017 17:15	14.95	17.94	8.24	1.105	29.08	0
1/10/2017 17:30	15.18	16	7.872	1.053	29.08	0
1/10/2017 17:45	13.28	21.1	8.31	0.934	29.08	0
1/10/2017 18:00	13.15	14.21	9.53	0.759	29.07	0
1/10/2017 18:15	12.61	15.37	10.33	0.655	29.07	0
1/10/2017 18:30	11.01	10.54	10.86	0.465	29.07	0
1/10/2017 18:45	12.07	8.84	11.49	0.361	29.07	0
1/10/2017 19:00	11.36	8.05	13.11	0.227	29.08	0
1/10/2017 19:15	11.68	13.09	9.31	0.051	29.08	0
1/10/2017 19:30	12.31	16.05	9.6	-0.033	29.08	0
1/10/2017 19:45	14.77	21.62	9.65	-0.167	29.08	0
1/10/2017 20:00	14.04	22.18	9.14	-0.256	29.08	0
1/10/2017 20:15	12.78	20.07	10.19	-0.47	29.08	0
1/10/2017 20:30	15.34	22.31	7.868	-0.397	29.08	0
1/10/2017 20:45	14.21	16.78	10.55	-0.35	29.08	0
1/10/2017 21:00	12.31	18.72	10.15	-0.441	29.09	0
1/10/2017 21:15	9.28	20.67	13.91	-0.588	29.09	0
1/10/2017 21:30	12.82	14.38	11.51	-0.615	29.09	0
1/10/2017 21:45	14.88	14.87	10.43	-0.673	29.09	0
1/10/2017 22:00	13.63	13.78	10.22	-0.775	29.09	0
1/10/2017 22:15	12.37	9.37	12.48	-0.77	29.09	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/10/2017 22:30	13.89	9.92	11.01	-0.83	29.09	0
1/10/2017 22:45	13.66	13.26	12.9	-0.969	29.09	0
1/10/2017 23:00	14.83	12.58	10.17	-1.146	29.1	0
1/10/2017 23:15	15.51	14.94	9.81	-1.291	29.1	0
1/10/2017 23:30	14.06	19.29	9.62	-1.496	29.1	0
1/10/2017 23:45	15.12	16.72	10	-1.611	29.1	0
1/11/2017 0:00	13.77	18.18	9.63	-1.676	29.08	0
1/11/2017 0:15	14.57	13.93	10.44	-1.678	29.08	0
1/11/2017 0:30	13.67	15.8	9.64	-1.779	29.08	0
1/11/2017 0:45	16.02	17.7	8.78	-1.906	29.08	0
1/11/2017 1:00	16.64	23.51	8.49	-2.006	29.07	0
1/11/2017 1:15	16.56	22.27	10.51	-2.085	29.07	0
1/11/2017 1:30	17.53	17	10.64	-2.183	29.07	0
1/11/2017 1:45	18.87	18.23	10.26	-2.257	29.07	0
1/11/2017 2:00	17.7	23.04	9.36	-2.195	29.08	0
1/11/2017 2:15	20.38	22.05	8.19	-2.272	29.08	0
1/11/2017 2:30	16.57	16.78	10.16	-2.359	29.08	0
1/11/2017 2:45	15.67	18.19	11.63	-2.477	29.08	0
1/11/2017 3:00	16.29	15.3	9.99	-2.505	29.11	0
1/11/2017 3:15	16.55	17.96	12.54	-2.527	29.11	0
1/11/2017 3:30	15.19	21.52	10.4	-2.609	29.11	0
1/11/2017 3:45	15.04	20.03	10.07	-2.634	29.11	0
1/11/2017 4:00	14.37	19.56	12.1	-2.759	29.12	0
1/11/2017 4:15	14.91	23.17	12.86	-2.856	29.12	0
1/11/2017 4:30	15.15	15.87	10.65	-2.987	29.12	0
1/11/2017 4:45	14.96	21.36	10.2	-2.966	29.12	0
1/11/2017 5:00	12.47	28.38	12.24	-2.908	29.16	0
1/11/2017 5:15	13.9	18.49	12.95	-2.893	29.16	0
1/11/2017 5:30	11.88	21.41	9	-2.878	29.16	0
1/11/2017 5:45	12.85	15.55	10.29	-2.797	29.16	0
1/11/2017 6:00	14.45	20.26	9.76	-2.744	29.18	0
1/11/2017 6:15	14.95	22.87	9.15	-2.77	29.18	0
1/11/2017 6:30	13.26	24.66	9.66	-2.797	29.18	0
1/11/2017 6:45	12.39	22.73	10.54	-2.879	29.18	0
1/11/2017 7:00	13.23	18.78	12.54	-2.937	29.23	0
1/11/2017 7:15	13.23	27.26	10.54	-2.891	29.23	0
1/11/2017 7:30	10.97	24.25	9.46	-2.813	29.23	0
1/11/2017 7:45	8.42	26.42	11.65	-2.682	29.23	0
1/11/2017 8:00	10.75	24.07	9.49	-2.739	29.29	0
1/11/2017 8:15	7.833	33.49	11.14	-2.822	29.29	0
1/11/2017 8:30	9.76	31.74	9.08	-2.771	29.29	0
1/11/2017 8:45	9.56	30.23	9.42	-2.728	29.29	0
1/11/2017 9:00	9.39	30.4	10.33	-2.777	29.33	0
1/11/2017 9:15	9.24	25.2	9	-2.689	29.33	0
1/11/2017 9:30	8.38	24.17	8.05	-2.725	29.33	0
1/11/2017 9:45	8.16	26.81	7.001	-2.725	29.33	0
1/11/2017 10:00	8.13	29.48	7.671	-2.656	29.37	0
1/11/2017 10:15	7.494	32.03	7.675	-2.58	29.37	0
1/11/2017 10:30	7.852	33.44	8.24	-2.438	29.37	0
1/11/2017 10:45	5.724	22.84	7.69	-2.243	29.37	0
1/11/2017 11:00	4.008	30.46	7.254	-2.028	29.39	0
1/11/2017 11:15	3.41	24.29	6.223	-1.856	29.39	0
1/11/2017 11:30	3.727	31.1	8.12	-1.657	29.39	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/11/2017 11:45	4.176	31.21	10.11	-1.635	29.39	0
1/11/2017 12:00	2.982	31.01	5.847	-1.372	29.4	0
1/11/2017 12:15	3.269	28.38	4.346	-1.139	29.4	0
1/11/2017 12:30	3.609	16.25	19.2	-0.8	29.4	0
1/11/2017 12:45	6.052	29.71	6.79	-0.941	29.4	0
1/11/2017 13:00	6.393	31.62	5.372	-1.022	29.42	0
1/11/2017 13:15	6.498	29.93	9.2	-1.13	29.42	0
1/11/2017 13:30	5.86	35.37	8.14	-1.248	29.42	0
1/11/2017 13:45	4.762	42.88	9.75	-1.255	29.42	0
1/11/2017 14:00	2.778	39.37	4.619	-1.142	29.45	0
1/11/2017 14:15	3.547	33.79	3.982	-0.972	29.45	0
1/11/2017 14:30	3.508	40.92	7.029	-0.661	29.45	0
1/11/2017 14:45	3.263	34.24	9.46	-0.463	29.45	0
1/11/2017 15:00	2.855	42.69	6.933	-0.417	29.5	0
1/11/2017 15:15	2.375	50.34	4.489	-0.548	29.5	0
1/11/2017 15:30	3.474	47.05	10.61	-0.832	29.5	0
1/11/2017 15:45	3.424	38.1	12.03	-1.045	29.5	0
1/11/2017 16:00	3.032	40.28	4.185	-1.245	29.53	0
1/11/2017 16:15	3.087	27.14	6.003	-1.489	29.53	0
1/11/2017 16:30	4.337	33.71	6.991	-1.637	29.53	0
1/11/2017 16:45	5.192	36.91	6.834	-1.747	29.53	0
1/11/2017 17:00	5.956	27.32	5.152	-1.859	29.54	0
1/11/2017 17:15	5.327	36.52	4.847	-1.912	29.54	0
1/11/2017 17:30	5.422	35.65	7.82	-2.079	29.54	0
1/11/2017 17:45	5.358	35.2	5.285	-2.22	29.54	0
1/11/2017 18:00	5.794	35.42	5.354	-2.249	29.56	0
1/11/2017 18:15	6.465	35.55	3.578	-2.446	29.56	0
1/11/2017 18:30	6.165	29.85	4.565	-2.45	29.56	0
1/11/2017 18:45	6.596	30.69	7.815	-2.539	29.56	0
1/11/2017 19:00	5.69	29.72	10.03	-2.498	29.57	0
1/11/2017 19:15	5.451	34.09	10.17	-2.339	29.57	0
1/11/2017 19:30	5.069	61.25	13.94	-2.096	29.57	0
1/11/2017 19:45	6.261	33.41	4.841	-2.973	29.57	0
1/11/2017 20:00	5.683	26.67	7.693	-3.048	29.59	0
1/11/2017 20:15	6.306	30.2	11.95	-2.936	29.59	0
1/11/2017 20:30	5.854	27.03	6.634	-2.972	29.59	0
1/11/2017 20:45	6.453	21.96	8.03	-2.92	29.59	0
1/11/2017 21:00	4.266	37.01	28.45	-2.469	29.62	0
1/11/2017 21:15	4.839	25.07	15.88	-2.824	29.62	0
1/11/2017 21:30	3.552	10.71	9	-2.542	29.62	0
1/11/2017 21:45	2.244	51.6	7.448	-2.365	29.62	0
1/11/2017 22:00	2.65	33	19.03	-2.437	29.64	0
1/11/2017 22:15	2.284	46.28	10.46	-2.518	29.64	0
1/11/2017 22:30	3.277	35.51	10.37	-2.857	29.64	0
1/11/2017 22:45	2.858	19.34	12.77	-3.121	29.64	0
1/11/2017 23:00	3.064	32.78	13.27	-3.166	29.67	0
1/11/2017 23:15	3.431	33.53	7.678	-3.83	29.67	0
1/11/2017 23:30	4.241	30.01	6.713	-3.816	29.67	0
1/11/2017 23:45	3.527	38.12	4.423	-3.594	29.67	0
1/12/2017 0:00	2.328	82.1	45.53	-2.701	29.68	0
1/12/2017 0:15	1.807	119.2	5.823	-2.026	29.68	0
1/12/2017 0:30	2.443	133.9	6.575	-2.04	29.68	0
1/12/2017 0:45	1.512	123.4	17.09	-2.402	29.68	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/12/2017 1:00	0.854	137.7	2.79	-2.542	29.71	0
1/12/2017 1:15	1.448	120.9	7.857	-2.895	29.71	0
1/12/2017 1:30	1.961	85.9	9.24	-3.135	29.71	0
1/12/2017 1:45	2.459	73.41	20.39	-3.055	29.71	0
1/12/2017 2:00	3.285	35.15	20.06	-3.434	29.74	0
1/12/2017 2:15	3.578	27.51	5.412	-3.714	29.74	0
1/12/2017 2:30	2.926	28.03	6.792	-3.67	29.74	0
1/12/2017 2:45	3.678	44.75	3.496	-4.12	29.74	0
1/12/2017 3:00	4.809	43.26	4.128	-4.366	29.76	0
1/12/2017 3:15	3.546	47.35	3.453	-3.779	29.76	0
1/12/2017 3:30	2.481	42.99	13.48	-3.249	29.76	0
1/12/2017 3:45	2.497	68.2	16.16	-2.924	29.76	0
1/12/2017 4:00	0.856	57.64	0.072	-2.837	29.77	0
1/12/2017 4:15	1.109	66.28	12.28	-2.864	29.77	0
1/12/2017 4:30	2.484	95.7	4.876	-3.032	29.77	0
1/12/2017 4:45	3.8	117.5	15.59	-3.209	29.77	0
1/12/2017 5:00	5.632	126.3	7.723	-3.305	29.78	0
1/12/2017 5:15	6.127	134.5	8.16	-3.273	29.78	0
1/12/2017 5:30	5.982	132	7.943	-3.253	29.78	0
1/12/2017 5:45	5.363	139.2	7.598	-3.204	29.78	0
1/12/2017 6:00	5.115	153.2	13.05	-3.017	29.8	0
1/12/2017 6:15	5.97	160.3	8.01	-3.216	29.8	0
1/12/2017 6:30	6.072	146.6	11.5	-3.47	29.8	0
1/12/2017 6:45	5.619	134.1	7.596	-3.481	29.8	0
1/12/2017 7:00	4.416	102.2	29.94	-3.577	29.82	0
1/12/2017 7:15	3.477	55.91	6.475	-4.563	29.82	0
1/12/2017 7:30	4.127	53.73	5.995	-5.441	29.82	0
1/12/2017 7:45	3.796	39.94	21.32	-5.655	29.82	0
1/12/2017 8:00	5.816	331.3	3.698	-4.994	29.86	0
1/12/2017 8:15	4.382	355.6	9.7	-4.587	29.86	0
1/12/2017 8:30	2.513	351.4	2.573	-3.561	29.86	0
1/12/2017 8:45	2.291	27.96	25.56	-4.421	29.86	0
1/12/2017 9:00	2.655	56.22	3.688	-4.074	29.89	0
1/12/2017 9:15	0.88	56.61	9.26	-3.184	29.89	0
1/12/2017 9:30	1.578	329.4	2.271	-2.701	29.89	0
1/12/2017 9:45	1.562	299.7	29.89	-2.078	29.89	0
1/12/2017 10:00	3.295	253.8	18.3	-1.401	29.93	0
1/12/2017 10:15	2.81	224.1	8.21	-0.86	29.93	0
1/12/2017 10:30	3.617	233	6.848	-0.537	29.93	0
1/12/2017 10:45	2.987	223.3	14.29	-0.131	29.93	0
1/12/2017 11:00	1.753	176.2	40.03	0.692	29.94	0
1/12/2017 11:15	1.994	222	37.87	1	29.94	0
1/12/2017 11:30	0.985	246.8	18.69	1.143	29.94	0
1/12/2017 11:45	1.321	229.7	24.37	1.857	29.94	0
1/12/2017 12:00	1.093	266.9	33.29	1.85	29.94	0
1/12/2017 12:15	0.614	310.5	11.52	2.206	29.94	0
1/12/2017 12:30	1.639	312.3	14.48	2.257	29.94	0
1/12/2017 12:45	1.93	339.4	36.64	2.385	29.94	0
1/12/2017 13:00	1.92	334.1	28.27	2.531	29.93	0
1/12/2017 13:15	1.227	343.1	10.93	2.859	29.93	0
1/12/2017 13:30	1.838	341.6	10.77	2.886	29.93	0
1/12/2017 13:45	1.953	347.5	23.91	3.111	29.93	0
1/12/2017 14:00	3.546	15.02	20.02	2.701	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/12/2017 14:15	4.438	28.91	7.584	2.226	29.93	0
1/12/2017 14:30	4.138	23.85	10.12	2.303	29.93	0
1/12/2017 14:45	4.064	30.81	7.464	2.257	29.93	0
1/12/2017 15:00	3.059	32.06	7.164	2.387	29.93	0
1/12/2017 15:15	3.274	40.15	5.133	2.207	29.93	0
1/12/2017 15:30	3.07	32.72	8.29	2.072	29.93	0
1/12/2017 15:45	2.79	21.6	3.331	2.143	29.93	0
1/12/2017 16:00	2.895	20.68	8.1	1.972	29.95	0
1/12/2017 16:15	2.764	10.36	2.003	1.992	29.95	0
1/12/2017 16:30	3.382	16.2	7.125	1.613	29.95	0
1/12/2017 16:45	2.893	13.64	6.227	1.204	29.95	0
1/12/2017 17:00	2.539	18.37	6.317	0.816	29.95	0
1/12/2017 17:15	5.861	24.38	6.23	0.163	29.95	0
1/12/2017 17:30	7.037	28.21	5.547	0.206	29.95	0
1/12/2017 17:45	5.645	27.93	4.696	0.06	29.95	0
1/12/2017 18:00	4.905	36.39	6.948	-0.318	29.97	0
1/12/2017 18:15	4.168	48.5	6.254	-0.932	29.97	0
1/12/2017 18:30	4.135	64.5	6.059	-1.226	29.97	0
1/12/2017 18:45	3.844	67.76	10.28	-0.996	29.97	0
1/12/2017 19:00	2.162	99.9	21.21	-0.761	29.99	0
1/12/2017 19:15	2.689	165.3	21.15	-0.241	29.99	0
1/12/2017 19:30	2.075	130.8	23.65	-0.728	29.99	0
1/12/2017 19:45	1.525	122	15.72	-1.362	29.99	0
1/12/2017 20:00	2.344	164.6	12.29	-0.9	30.01	0
1/12/2017 20:15	1.861	73.12	39.29	-1.361	30.01	0
1/12/2017 20:30	3.745	36.72	6.228	-1.915	30.01	0
1/12/2017 20:45	2.531	28.26	0.629	-2.038	30.01	0
1/12/2017 21:00	3.47	32.72	4.921	-2.297	30.03	0
1/12/2017 21:15	3.069	50.78	6.586	-2.66	30.03	0
1/12/2017 21:30	3.425	74.4	10.43	-2.633	30.03	0
1/12/2017 21:45	1.597	64.81	28.21	-2.038	30.03	0
1/12/2017 22:00	2.659	154.9	5.357	-1.93	30.04	0
1/12/2017 22:15	2.255	116.5	18.04	-2.17	30.04	0
1/12/2017 22:30	2.728	125.6	18.8	-2.261	30.04	0
1/12/2017 22:45	2.87	140.9	4.813	-1.96	30.04	0
1/12/2017 23:00	3.232	149	7.523	-1.88	30.05	0
1/12/2017 23:15	3.665	150.7	6.233	-1.906	30.05	0
1/12/2017 23:30	4.322	159.9	10.24	-2.193	30.05	0
1/12/2017 23:45	2.826	184.7	15.79	-2.47	30.05	0
1/13/2017 0:00	0.913	152.2	2.262	-2.514	30.04	0
1/13/2017 0:15	1.716	47.72	67.99	-2.746	30.04	0
1/13/2017 0:30	1.439	4.29	0.144	-2.825	30.04	0
1/13/2017 0:45	1.398	15.18	15.84	-3.357	30.04	0
1/13/2017 1:00	3.681	39.3	3.817	-3.68	30.04	0
1/13/2017 1:15	2.983	31.98	7.939	-3.64	30.04	0
1/13/2017 1:30	3.22	43.64	4.782	-3.479	30.04	0
1/13/2017 1:45	2.449	66.5	21.06	-3.633	30.04	0
1/13/2017 2:00	2.146	59.9	11.91	-3.269	30.06	0
1/13/2017 2:15	2.32	48.37	5.752	-3.513	30.06	0
1/13/2017 2:30	3.252	44.13	19.15	-3.491	30.06	0
1/13/2017 2:45	3.564	74.24	9.03	-3.719	30.06	0
1/13/2017 3:00	4.37	33.71	12.94	-4.108	30.07	0
1/13/2017 3:15	2.703	26.66	4.252	-3.717	30.07	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/13/2017 3:30	1.449	30.04	0.886	-3.731	30.07	0
1/13/2017 3:45	1.437	32	0.219	-3.322	30.07	0
1/13/2017 4:00	1.867	107.9	56.43	-3.546	30.09	0
1/13/2017 4:15	2.116	132.5	8.09	-3.325	30.09	0
1/13/2017 4:30	2.198	111.2	8.31	-3.546	30.09	0
1/13/2017 4:45	2.94	123.9	15.86	-3.311	30.09	0
1/13/2017 5:00	3.848	155.3	6.814	-3.427	30.09	0
1/13/2017 5:15	3.998	132.5	13.92	-3.309	30.09	0
1/13/2017 5:30	3.114	131.5	13.03	-3.094	30.09	0
1/13/2017 5:45	2.957	103.3	38.97	-3.355	30.09	0
1/13/2017 6:00	2.213	42.11	4.28	-4.487	30.1	0
1/13/2017 6:15	2.016	34.71	11.2	-4.805	30.1	0
1/13/2017 6:30	4.103	26.8	9.88	-4.793	30.1	0
1/13/2017 6:45	2.385	8.5	11.65	-4.219	30.1	0
1/13/2017 7:00	0.388	52.36	20.12	-4.389	30.1	0
1/13/2017 7:15	2.765	63.64	15.95	-4.489	30.1	0
1/13/2017 7:30	2.584	27.31	8.96	-4.251	30.1	0
1/13/2017 7:45	2.386	2.3	9.97	-4.43	30.1	0
1/13/2017 8:00	0.113	348.7	0.03	-3.496	30.13	0
1/13/2017 8:15	2.114	55.31	41.26	-3.412	30.13	0
1/13/2017 8:30	1.336	81.6	0.161	-3.035	30.13	0
1/13/2017 8:45	1.585	113.2	69.84	-3.197	30.13	0
1/13/2017 9:00	0.682	236.8	8.08	-2.073	30.16	0
1/13/2017 9:15	1.773	29.51	83.7	-2.587	30.16	0
1/13/2017 9:30	2.176	233.8	69.41	-2.773	30.16	0
1/13/2017 9:45	2.615	175.6	16.75	-2.782	30.16	0
1/13/2017 10:00	2.573	137.7	19.78	-1.221	30.17	0
1/13/2017 10:15	1.646	77.55	33.78	-0.976	30.17	0
1/13/2017 10:30	1.968	4.323	20.24	-0.894	30.17	0
1/13/2017 10:45	1.863	341.8	26.6	-0.414	30.17	0
1/13/2017 11:00	2.888	58.2	7.224	-1.124	30.17	0
1/13/2017 11:15	1.667	72.4	3.716	-0.632	30.17	0
1/13/2017 11:30	0.303	67.33	4.933	1.044	30.17	0
1/13/2017 11:45	2.138	30.81	22.49	0.539	30.17	0
1/13/2017 12:00	2.552	336.3	13.24	1.071	30.18	0
1/13/2017 12:15	1.798	323.3	20.4	1.642	30.18	0
1/13/2017 12:30	3.157	0.712	13.13	1.489	30.18	0
1/13/2017 12:45	3.471	336.5	15.41	1.582	30.18	0
1/13/2017 13:00	3.215	331.3	7.938	1.799	30.16	0
1/13/2017 13:15	2.702	358.6	22.8	1.959	30.16	0
1/13/2017 13:30	2.715	46.67	10.02	1.493	30.16	0
1/13/2017 13:45	2.602	19.02	11.92	1.278	30.16	0
1/13/2017 14:00	2.793	344.7	20.09	1.655	30.15	0
1/13/2017 14:15	3.049	15.96	19.38	1.361	30.15	0
1/13/2017 14:30	2.777	35.8	5.653	1.246	30.15	0
1/13/2017 14:45	2.915	29.27	5.671	1.122	30.15	0
1/13/2017 15:00	2.466	27.75	0.231	1.105	30.16	0
1/13/2017 15:15	3.672	35.81	5.183	0.927	30.16	0
1/13/2017 15:30	4.516	35.65	4.399	0.903	30.16	0
1/13/2017 15:45	3.675	13.78	8.81	0.817	30.16	0
1/13/2017 16:00	5.56	36.73	11.16	0.729	30.17	0
1/13/2017 16:15	6.736	38.26	10.85	0.649	30.17	0
1/13/2017 16:30	6.295	28.45	14.45	0.557	30.17	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/13/2017 16:45	8.21	28.49	7.976	0.458	30.17	0
1/13/2017 17:00	7.553	34.88	8.89	0.406	30.16	0
1/13/2017 17:15	8.07	35.37	9.35	0.374	30.16	0
1/13/2017 17:30	7.527	44.97	10.29	0.175	30.16	0
1/13/2017 17:45	5.578	43.2	9.02	0.133	30.16	0
1/13/2017 18:00	3.553	16.15	10.18	0.138	30.14	0
1/13/2017 18:15	1.557	47.96	81.9	0.56	30.14	0
1/13/2017 18:30	2.637	199.1	18.89	0.825	30.14	0
1/13/2017 18:45	0.996	261.1	23.28	0.518	30.14	0
1/13/2017 19:00	1.77	318.8	23.77	0.251	30.15	0
1/13/2017 19:15	1.022	16.74	0.129	-0.625	30.15	0
1/13/2017 19:30	1.723	14.34	7.936	-0.608	30.15	0
1/13/2017 19:45	3.24	23.14	25.68	-0.473	30.15	0
1/13/2017 20:00	3.41	55.49	2.42	-0.869	30.17	0
1/13/2017 20:15	4.383	51.93	3.173	-0.932	30.17	0
1/13/2017 20:30	3.303	44.18	2.63	-0.712	30.17	0
1/13/2017 20:45	2.17	40.6	1.371	-0.724	30.17	0
1/13/2017 21:00	1.326	345	43.41	-0.394	30.16	0
1/13/2017 21:15	2.578	255.9	10.36	0.074	30.16	0
1/13/2017 21:30	3.164	252.5	9.14	0.008	30.16	0
1/13/2017 21:45	2.403	292.8	34.33	-0.404	30.16	0
1/13/2017 22:00	2.747	28.36	37.09	-0.804	30.16	0
1/13/2017 22:15	4.34	24.96	10.3	-1.291	30.16	0
1/13/2017 22:30	3.873	345.9	10.46	-1.029	30.16	0
1/13/2017 22:45	2.537	46.68	25.96	-0.715	30.16	0
1/13/2017 23:00	3.656	39.92	15.96	-1.393	30.16	0
1/13/2017 23:15	3.669	28.88	8.88	-1.281	30.16	0
1/13/2017 23:30	3.445	37.49	6.687	-1.539	30.16	0
1/13/2017 23:45	3.27	23.26	7.463	-1.484	30.16	0
1/14/2017 0:00	3.222	44.04	9.16	-1.536	30.16	0
1/14/2017 0:15	3.478	39.24	11.74	-1.581	30.16	0
1/14/2017 0:30	2.485	38.13	9.32	-1.6	30.16	0
1/14/2017 0:45	1.55	72.36	16.55	-1.405	30.16	0
1/14/2017 1:00	0.821	102.4	36.5	-0.248	30.16	0
1/14/2017 1:15	3.509	155.7	45.92	-0.156	30.16	0
1/14/2017 1:30	3.158	138.5	23.24	-0.342	30.16	0
1/14/2017 1:45	3.099	54.01	21.73	-1.115	30.16	0
1/14/2017 2:00	2.333	43.8	17.23	-1.429	30.17	0
1/14/2017 2:15	3.956	80.5	8.56	-1.677	30.17	0
1/14/2017 2:30	5.296	116.5	13.78	-0.946	30.17	0
1/14/2017 2:45	4.933	141.5	10.44	-0.559	30.17	0
1/14/2017 3:00	6.776	149.5	7.654	-0.737	30.15	0
1/14/2017 3:15	5.784	146.9	11.75	-0.601	30.15	0
1/14/2017 3:30	2.627	98.6	40.07	-0.85	30.15	0
1/14/2017 3:45	2.912	99.7	10.59	-1.084	30.15	0
1/14/2017 4:00	4.402	92.7	12.44	-1.441	30.12	0
1/14/2017 4:15	1.881	102.6	68.19	-0.989	30.12	0
1/14/2017 4:30	4.463	312.2	23.69	-1.443	30.12	0
1/14/2017 4:45	6.09	319.4	9.21	-2.607	30.12	0
1/14/2017 5:00	5.124	352.2	24.52	-2.704	30.14	0
1/14/2017 5:15	2.825	18.79	20.07	-2.288	30.14	0
1/14/2017 5:30	3.702	94.9	21.11	-2.671	30.14	0
1/14/2017 5:45	1.394	111.8	4.6	-1.333	30.14	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/2017 6:00	2.948	261.5	38.98	-0.738	30.12	0
1/14/2017 6:15	3.338	288.8	23.63	-1.457	30.12	0
1/14/2017 6:30	4.953	291.9	10.35	-2.568	30.12	0
1/14/2017 6:45	4.067	329.8	3.396	-1.723	30.12	0
1/14/2017 7:00	3.396	13.1	24.01	-1.591	30.14	0
1/14/2017 7:15	4.829	96.1	13.78	-1.958	30.14	0
1/14/2017 7:30	4.259	146.2	11.12	-1.401	30.14	0
1/14/2017 7:45	4.579	158.7	11.91	-0.471	30.14	0
1/14/2017 8:00	3.252	82.6	36.51	-2.244	30.12	0
1/14/2017 8:15	3.883	35.91	9.5	-2.842	30.12	0
1/14/2017 8:30	3.759	33.18	5.035	-2.497	30.12	0
1/14/2017 8:45	2.136	45.43	3.539	-1.973	30.12	0
1/14/2017 9:00	1.207	113.7	31.5	-0.518	30.09	0
1/14/2017 9:15	1.771	120.1	15.12	0.83	30.09	0
1/14/2017 9:30	1.485	129.8	27.85	1.476	30.09	0
1/14/2017 9:45	1.647	16.05	28.58	1.311	30.09	0
1/14/2017 10:00	4.681	22.14	10.18	-1.274	30.1	0
1/14/2017 10:15	3.519	31.8	6.473	-1.037	30.1	0
1/14/2017 10:30	3.012	13.15	13.71	0.001	30.1	0
1/14/2017 10:45	3.285	6.957	23.19	1.041	30.1	0
1/14/2017 11:00	2.64	25.56	15.13	1.305	30.08	0
1/14/2017 11:15	3.587	33.73	10.47	1.574	30.08	0
1/14/2017 11:30	3.7	28.01	20.42	2.092	30.08	0
1/14/2017 11:45	2.651	12.26	21	3.008	30.08	0
1/14/2017 12:00	3.398	325.6	10.07	3.431	30.07	0
1/14/2017 12:15	2.737	322.8	12.99	4.042	30.07	0
1/14/2017 12:30	2.262	352.2	21.82	4.41	30.07	0
1/14/2017 12:45	1.574	342.2	19.54	5.097	30.07	0
1/14/2017 13:00	2.399	4.544	9.99	5.206	30.05	0
1/14/2017 13:15	3.421	30.43	14.69	5.112	30.05	0
1/14/2017 13:30	3.925	28.79	7.451	4.801	30.05	0
1/14/2017 13:45	3.757	28.78	11.69	5.007	30.05	0
1/14/2017 14:00	2.693	22.08	7.2	5.343	30.03	0
1/14/2017 14:15	2.345	26.98	8.11	5.529	30.03	0
1/14/2017 14:30	2.044	40.69	7.037	5.353	30.03	0
1/14/2017 14:45	2.532	35.47	3.979	5.289	30.03	0
1/14/2017 15:00	2.308	28.08	12.63	5.236	30.03	0
1/14/2017 15:15	2.633	343	41.91	5.409	30.03	0
1/14/2017 15:30	2.962	38.2	32.7	5.558	30.03	0
1/14/2017 15:45	2.214	42.91	18.78	5.295	30.03	0
1/14/2017 16:00	2.19	82.7	31.48	5.167	30.02	0
1/14/2017 16:15	3.483	99.9	46.88	4.973	30.02	0
1/14/2017 16:30	4.657	132.8	16.85	4.685	30.02	0
1/14/2017 16:45	3.466	112.9	15.75	4.052	30.02	0
1/14/2017 17:00	8.76	145.5	9.71	3.964	29.99	0
1/14/2017 17:15	9.28	140.1	8.12	4.147	29.99	0
1/14/2017 17:30	10.9	146.6	11.1	3.946	29.99	0
1/14/2017 17:45	12.3	144.5	10.42	4	29.99	0
1/14/2017 18:00	10.2	140.3	9.94	3.681	29.97	0
1/14/2017 18:15	8.95	134.8	9.26	3.644	29.97	0
1/14/2017 18:30	9.24	145.5	8.58	3.622	29.97	0
1/14/2017 18:45	8.06	141.5	10.03	3.226	29.97	0
1/14/2017 19:00	8.26	137	7.632	2.999	29.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/2017 19:15	8.77	142.8	7.914	3.157	29.94	0
1/14/2017 19:30	6.732	128.4	12.48	3.187	29.94	0
1/14/2017 19:45	6.63	117.8	7.441	2.824	29.94	0
1/14/2017 20:00	3.356	60.82	19.5	1.525	29.94	0
1/14/2017 20:15	3.428	41.78	17.3	0.681	29.94	0
1/14/2017 20:30	5.182	27.22	7.626	0.995	29.94	0
1/14/2017 20:45	6.218	44.34	12.48	0.897	29.94	0
1/14/2017 21:00	5.149	36.86	14.42	0.816	29.94	0
1/14/2017 21:15	4.216	357.5	21.64	1.152	29.94	0
1/14/2017 21:30	3.453	350.5	10.53	1.402	29.94	0
1/14/2017 21:45	3.59	359.4	15.52	1.66	29.94	0
1/14/2017 22:00	4.379	329.7	13.46	1.745	29.96	0
1/14/2017 22:15	3.624	334.7	3.453	1.983	29.96	0
1/14/2017 22:30	1.815	341.6	13.61	2.451	29.96	0
1/14/2017 22:45	1.361	4.315	0.36	2.487	29.96	0
1/14/2017 23:00	0.202	23.63	20.31	2.193	29.98	0
1/14/2017 23:15	2.409	129.1	27.98	2.004	29.98	0
1/14/2017 23:30	5.948	178.5	5.106	1.656	29.98	0
1/14/2017 23:45	5.91	163.1	13.22	1.443	29.98	0
1/15/2017 0:00	7.766	126.6	9.1	1.451	29.96	0
1/15/2017 0:15	9.45	124.1	11.23	1.226	29.96	0
1/15/2017 0:30	8.97	137.6	8.68	1.914	29.96	0
1/15/2017 0:45	8.46	138.1	9.53	1.864	29.96	0
1/15/2017 1:00	9.02	151.9	9.3	1.738	29.97	0
1/15/2017 1:15	9.98	155.3	11.66	1.915	29.97	0
1/15/2017 1:30	7.595	145.4	41.75	1.722	29.97	0
1/15/2017 1:45	3.635	32.04	11.37	-0.609	29.97	0
1/15/2017 2:00	3.386	14.69	15.77	-0.898	30.02	0
1/15/2017 2:15	4.782	43.05	10.53	-0.994	30.02	0
1/15/2017 2:30	5.948	75.55	19.98	-0.997	30.02	0
1/15/2017 2:45	5.973	120.4	6.264	0.136	30.02	0
1/15/2017 3:00	6.582	135	13.38	1.114	30	0
1/15/2017 3:15	6.057	150.6	13.68	0.813	30	0
1/15/2017 3:30	5.867	151.6	11.92	0.674	30	0
1/15/2017 3:45	4.699	141.8	11	0.804	30	0
1/15/2017 4:00	4.55	170.5	15.38	1.005	30.01	0
1/15/2017 4:15	3.331	174	14.52	0.898	30.01	0
1/15/2017 4:30	3.147	68.65	37.85	-0.495	30.01	0
1/15/2017 4:45	0.988	80.6	25.86	-0.611	30.01	0
1/15/2017 5:00	3.629	37.74	30.49	-0.605	30	0
1/15/2017 5:15	4.861	41.72	7.564	-1.766	30	0
1/15/2017 5:30	5.74	65.36	33.81	-1.182	30	0
1/15/2017 5:45	4.054	85.6	17.62	-0.776	30	0
1/15/2017 6:00	4.327	111.2	24	-0.139	29.98	0
1/15/2017 6:15	2.199	91.9	24.75	-0.239	29.98	0
1/15/2017 6:30	3.7	114.7	9.71	-0.036	29.98	0
1/15/2017 6:45	2.634	108.4	11.76	-0.058	29.98	0
1/15/2017 7:00	2.975	108.4	9.22	-0.492	29.97	0
1/15/2017 7:15	4.878	135.6	8.07	-0.256	29.97	0
1/15/2017 7:30	3.732	121.1	13.99	-0.413	29.97	0
1/15/2017 7:45	2.938	86.6	16.03	-1.17	29.97	0
1/15/2017 8:00	3.566	50.22	5.222	-1.117	29.98	0
1/15/2017 8:15	3.562	73	12.92	-0.866	29.98	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/15/2017 8:30	2.277	110.2	8.4	0.721	29.98	0
1/15/2017 8:45	2.498	132.8	14.16	1.069	29.98	0
1/15/2017 9:00	4.871	164.5	7.27	0.56	30	0
1/15/2017 9:15	5.159	175.8	9.76	0.277	30	0
1/15/2017 9:30	3.892	159.5	13.79	0.463	30	0
1/15/2017 9:45	4.412	112.9	9.46	0.879	30	0
1/15/2017 10:00	5.952	128.1	12.03	1.779	30.01	0
1/15/2017 10:15	7.612	153.7	13.17	2.496	30.01	0
1/15/2017 10:30	5.89	181.7	14.43	2.116	30.01	0
1/15/2017 10:45	4.083	209.6	13.9	2.014	30.01	0
1/15/2017 11:00	4.162	208.6	16.89	2.35	30.02	0
1/15/2017 11:15	4.231	209.6	11.81	2.899	30.02	0
1/15/2017 11:30	3.997	233.7	14.65	3.141	30.02	0
1/15/2017 11:45	2.594	244.9	8.8	3.67	30.02	0
1/15/2017 12:00	2.334	282.8	36.18	4.123	30	0
1/15/2017 12:15	2.375	343.4	35.63	4.466	30	0
1/15/2017 12:30	4.605	32.13	5.109	3.866	30	0
1/15/2017 12:45	3.723	40.34	9.1	3.828	30	0
1/15/2017 13:00	3.976	47.93	9.37	3.995	29.98	0
1/15/2017 13:15	2.208	28.38	7.285	4.273	29.98	0
1/15/2017 13:30	0.491	23.21	10.86	5.256	29.98	0
1/15/2017 13:45	0.497	28.01	25.37	5.641	29.98	0
1/15/2017 14:00	1.209	259.6	24.93	6.009	29.98	0
1/15/2017 14:15	2.739	344.1	16.78	5.723	29.98	0
1/15/2017 14:30	2.775	20.85	8.14	5.459	29.98	0
1/15/2017 14:45	2.167	19.5	16.41	5.429	29.98	0
1/15/2017 15:00	2.646	22.51	7.842	5.262	29.99	0
1/15/2017 15:15	2.237	358.5	38.24	5.274	29.99	0
1/15/2017 15:30	2.965	13.36	46.26	5.392	29.99	0
1/15/2017 15:45	3.165	30.34	11.91	4.747	29.99	0
1/15/2017 16:00	2.412	341.5	23.21	5.162	30.02	0
1/15/2017 16:15	5.557	296.6	5.995	4.609	30.02	0
1/15/2017 16:30	3.095	331.7	12.77	4.343	30.02	0
1/15/2017 16:45	0.417	355.5	6.843	4.075	30.02	0
1/15/2017 17:00	0.166	17.42	4.844	3.691	30.01	0
1/15/2017 17:15	1.736	34.89	3.416	3.636	30.01	0
1/15/2017 17:30	3.93	25.42	5.63	3.398	30.01	0
1/15/2017 17:45	3.751	52	6.534	2.795	30.01	0
1/15/2017 18:00	3.795	57.61	4.994	2.319	30	0
1/15/2017 18:15	3.096	71.19	22.6	2.46	30	0
1/15/2017 18:30	3.406	154.1	24.88	2.795	30	0
1/15/2017 18:45	3.813	192.1	11.09	2.682	30	0
1/15/2017 19:00	3.251	190.1	15.97	2.089	29.98	0
1/15/2017 19:15	4.002	145.2	8.14	2.157	29.98	0
1/15/2017 19:30	3.726	181.7	19.51	1.932	29.98	0
1/15/2017 19:45	4.43	215.7	12.86	1.426	29.98	0
1/15/2017 20:00	3.656	159.5	13.41	1.929	29.97	0
1/15/2017 20:15	2.509	182.4	30.83	2.052	29.97	0
1/15/2017 20:30	2.447	243.3	3.769	1.722	29.97	0
1/15/2017 20:45	1.291	284.6	41.66	1.843	29.97	0
1/15/2017 21:00	2.248	315.9	5.123	1.674	29.98	0
1/15/2017 21:15	1.12	342.9	27.64	1.646	29.98	0
1/15/2017 21:30	1.221	35.15	20.54	1	29.98	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/15/2017 21:45	2.74	96.9	4.243	1.016	29.98	0
1/15/2017 22:00	2.743	92.9	5.673	1.541	29.99	0
1/15/2017 22:15	1.316	97.1	3.289	1.929	29.99	0
1/15/2017 22:30	2.94	123.8	6.417	1.937	29.99	0
1/15/2017 22:45	2.966	133.1	8.95	2.089	29.99	0
1/15/2017 23:00	3.949	168.9	9.48	2.039	30.02	0
1/15/2017 23:15	3.362	134.6	21.29	1.64	30.02	0
1/15/2017 23:30	4.173	108.7	6.529	1.31	30.02	0
1/15/2017 23:45	6.806	123	8.43	1.73	30.02	0
1/16/2017 0:00	8.28	144.3	8.66	2.652	29.97	0
1/16/2017 0:15	7.528	162.5	10.82	2.963	29.97	0
1/16/2017 0:30	6.034	210	18.19	2.063	29.97	0
1/16/2017 0:45	5.376	244.1	6.088	1.456	29.97	0
1/16/2017 1:00	3.166	261.7	7.75	1.535	29.97	0
1/16/2017 1:15	3.003	209.3	32.44	1.851	29.97	0
1/16/2017 1:30	4.152	149.5	6.373	1.22	29.97	0
1/16/2017 1:45	2.012	129.1	7.332	1.585	29.97	0
1/16/2017 2:00	1.682	104.1	22.46	1.867	29.95	0
1/16/2017 2:15	1.564	88.6	2.791	1.895	29.95	0
1/16/2017 2:30	3.96	102.3	18.7	1.834	29.95	0
1/16/2017 2:45	5.897	165.6	12.03	1.98	29.95	0
1/16/2017 3:00	6.6	148	12.16	1.903	29.95	0
1/16/2017 3:15	5.611	133.8	8.95	1.898	29.95	0
1/16/2017 3:30	0.346	125.2	3.386	1.348	29.95	0
1/16/2017 3:45	2.61	117.7	14.83	1.409	29.95	0
1/16/2017 4:00	3.822	136	25.23	0.75	29.93	0
1/16/2017 4:15	5.341	146	21.65	1.046	29.93	0
1/16/2017 4:30	4.241	62.78	20.19	-0.131	29.93	0
1/16/2017 4:45	2.878	62.4	24.2	0.438	29.93	0
1/16/2017 5:00	2.503	62.17	8.38	0.65	29.91	0
1/16/2017 5:15	3.164	149.5	17.68	1.469	29.91	0
1/16/2017 5:30	1.785	105.2	51.59	1.261	29.91	0
1/16/2017 5:45	3.979	160.7	17.76	1.981	29.91	0
1/16/2017 6:00	7.945	167.5	15.82	1.953	29.87	0
1/16/2017 6:15	7.936	195.7	15.74	1.69	29.87	0
1/16/2017 6:30	9.03	223.2	6.085	1.151	29.87	0
1/16/2017 6:45	8	211.9	11.5	1.38	29.87	0
1/16/2017 7:00	6.177	158.2	15.81	1.174	29.9	0
1/16/2017 7:15	5.587	153	9.72	1.442	29.9	0
1/16/2017 7:30	7.12	153.4	11.14	1.779	29.9	0
1/16/2017 7:45	6.435	138.4	5.871	1.887	29.9	0
1/16/2017 8:00	6.088	140.8	8.49	2.083	29.87	0
1/16/2017 8:15	7.516	164.2	9.25	2.608	29.87	0
1/16/2017 8:30	5.697	143.3	15.32	3.077	29.87	0
1/16/2017 8:45	4.331	163.7	19.91	3.889	29.87	0
1/16/2017 9:00	4.29	271.8	53.48	3.181	29.87	0
1/16/2017 9:15	4.849	324.4	5.321	3.042	29.87	0
1/16/2017 9:30	2.659	326.4	12.09	3.31	29.87	0
1/16/2017 9:45	1.742	318.8	1.406	3.424	29.87	0
1/16/2017 10:00	1.748	102.4	39.87	4.304	29.85	0
1/16/2017 10:15	3.574	120.1	8.37	4.883	29.85	0
1/16/2017 10:30	3.273	129.1	12.03	5.595	29.85	0
1/16/2017 10:45	4.007	193.9	22.97	5.85	29.85	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/16/2017 11:00	6.071	221.3	11.98	5.587	29.85	0
1/16/2017 11:15	8.18	230.2	5.644	5.489	29.85	0
1/16/2017 11:30	5.502	174.7	30.58	6.133	29.85	0
1/16/2017 11:45	5.384	132.5	15.37	6.192	29.85	0
1/16/2017 12:00	8.87	162.4	10.88	7.963	29.81	0
1/16/2017 12:15	11.17	164.5	8.13	9.12	29.81	0
1/16/2017 12:30	8.72	165.2	12.07	9.79	29.81	0
1/16/2017 12:45	6.686	188.7	19.46	10.04	29.81	0
1/16/2017 13:00	4.959	226.6	11.29	9.52	29.76	0
1/16/2017 13:15	3.088	247.5	16.02	9.67	29.76	0
1/16/2017 13:30	1.905	253.6	12.09	9.81	29.76	0
1/16/2017 13:45	0.39	189.6	27.41	10.19	29.76	0
1/16/2017 14:00	2.865	206.4	24.53	10.27	29.73	0
1/16/2017 14:15	5.934	237.2	9.42	9.92	29.73	0
1/16/2017 14:30	7.042	207.8	10.25	9.85	29.73	0
1/16/2017 14:45	6.982	173.6	9.8	10.05	29.73	0
1/16/2017 15:00	6.98	177.3	12.48	9.69	29.72	0
1/16/2017 15:15	10.59	198.7	8.14	9.52	29.72	0
1/16/2017 15:30	11.71	179.1	14.84	9.09	29.72	0
1/16/2017 15:45	10.26	142.7	9.85	9.11	29.72	0
1/16/2017 16:00	9.5	166.2	16.26	9.26	29.7	0
1/16/2017 16:15	9.69	182.8	12.14	8.89	29.7	0
1/16/2017 16:30	9.89	181.6	11.12	8.54	29.7	0
1/16/2017 16:45	8.83	175.7	11.39	8.52	29.7	0
1/16/2017 17:00	9.47	168.6	9.45	8.61	29.66	0
1/16/2017 17:15	8.54	165.5	8.71	8.82	29.66	0
1/16/2017 17:30	9.34	169.9	12.8	8.91	29.66	0
1/16/2017 17:45	8.53	192.5	14.96	8.15	29.66	0
1/16/2017 18:00	11.1	185.9	17.98	7.399	29.65	0
1/16/2017 18:15	10.26	142.6	10.17	7.802	29.65	0
1/16/2017 18:30	8.26	179	19.35	7.989	29.65	0
1/16/2017 18:45	10.17	188.3	14.02	7.246	29.65	0
1/16/2017 19:00	9.3	196.9	9.72	6.733	29.67	0
1/16/2017 19:15	7.93	199	13.82	6.302	29.67	0
1/16/2017 19:30	7.784	176.6	14.31	6.448	29.67	0
1/16/2017 19:45	9.15	155.1	8.41	6.778	29.67	0
1/16/2017 20:00	8.3	166.2	10.64	6.795	29.68	0
1/16/2017 20:15	8.37	150.9	11.07	6.601	29.68	0
1/16/2017 20:30	6.65	154.4	19.46	6.704	29.68	0
1/16/2017 20:45	5.987	182.1	30.92	6.369	29.68	0
1/16/2017 21:00	4.244	139.8	28.81	6.522	29.63	0
1/16/2017 21:15	2.953	113	27.04	6.68	29.63	0
1/16/2017 21:30	4.619	168.9	13.7	7.089	29.63	0
1/16/2017 21:45	4.128	80.6	55.03	6.496	29.63	0
1/16/2017 22:00	2.66	88	59.46	6.179	29.61	0
1/16/2017 22:15	4.366	150.3	14.51	6.734	29.61	0
1/16/2017 22:30	1.844	41.97	41.14	5.856	29.61	0
1/16/2017 22:45	3.662	28.92	57.35	5.314	29.61	0
1/16/2017 23:00	3.41	178.2	29.46	6.429	29.59	0
1/16/2017 23:15	4.777	152.5	21.3	6.736	29.59	0
1/16/2017 23:30	4.279	117.9	21.35	6.596	29.59	0
1/16/2017 23:45	7.574	164.8	16.72	7.053	29.59	0
1/17/2017 0:00	6.156	185	21.54	7.014	29.58	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/2017 0:15	5.595	170.4	12.35	6.994	29.58	0
1/17/2017 0:30	6.678	168.1	14.9	6.916	29.58	0
1/17/2017 0:45	7.22	156.3	15.77	7.087	29.58	0
1/17/2017 1:00	6.654	126.3	11.59	7.003	29.56	0
1/17/2017 1:15	7.803	141.1	23.91	7.023	29.56	0
1/17/2017 1:30	9.72	162.4	12.62	7.548	29.56	0
1/17/2017 1:45	8.03	149.3	10.05	7.821	29.56	0
1/17/2017 2:00	6.261	203.7	43.3	7.256	29.53	0
1/17/2017 2:15	9.5	215.2	14.8	5.793	29.53	0
1/17/2017 2:30	6.787	200.4	12.29	5.624	29.53	0
1/17/2017 2:45	3.967	232	18.46	5.362	29.53	0
1/17/2017 3:00	2.547	242	35.95	5.474	29.54	0
1/17/2017 3:15	4.88	337.7	13.02	5.02	29.54	0
1/17/2017 3:30	3.257	322.8	22.93	5.172	29.54	0
1/17/2017 3:45	0.991	21.74	3.023	4.594	29.54	0
1/17/2017 4:00	3.381	304.7	8.46	5.096	29.53	0
1/17/2017 4:15	3.904	317.2	14.76	4.946	29.53	0
1/17/2017 4:30	2.61	55.25	39.76	4.016	29.53	0.02
1/17/2017 4:45	3.714	81.6	32.12	3.884	29.53	0
1/17/2017 5:00	5.221	86.5	13.1	3.805	29.48	0.01
1/17/2017 5:15	7.625	93	10.65	4.105	29.48	0
1/17/2017 5:30	5.646	117.7	23.36	4.336	29.48	0
1/17/2017 5:45	6.8	145.3	25.29	5.176	29.48	0
1/17/2017 6:00	6.981	186.1	33.97	5.809	29.41	0
1/17/2017 6:15	8.92	212.9	21.2	4.56	29.41	0.01
1/17/2017 6:30	8.14	187.2	11.87	5.212	29.41	0
1/17/2017 6:45	5.414	143.4	29.87	5.273	29.41	0
1/17/2017 7:00	6.166	121.2	5.733	5.235	29.38	0
1/17/2017 7:15	9.58	149.9	20.49	6.23	29.38	0
1/17/2017 7:30	8.99	148.8	16.87	7.558	29.38	0
1/17/2017 7:45	7.655	180.4	20.86	6.912	29.38	0
1/17/2017 8:00	8.41	164.6	15.13	7.209	29.37	0
1/17/2017 8:15	7.722	168.1	19.71	7.319	29.37	0
1/17/2017 8:30	7.253	173.4	15.35	7.233	29.37	0
1/17/2017 8:45	9.02	182.4	29.99	6.789	29.37	0
1/17/2017 9:00	9.19	178.6	21.02	7.284	29.37	0
1/17/2017 9:15	7.707	154	30.22	7.719	29.37	0
1/17/2017 9:30	9	168.4	22.69	7.499	29.37	0
1/17/2017 9:45	8.94	166.8	22.23	8.06	29.37	0
1/17/2017 10:00	11.56	151.9	9.71	8.35	29.37	0
1/17/2017 10:15	11.23	151.7	10.69	8.24	29.37	0
1/17/2017 10:30	11.49	152.6	14.01	8.16	29.37	0
1/17/2017 10:45	9.85	147.6	14.17	8.43	29.37	0
1/17/2017 11:00	6.226	121.8	38.85	8.88	29.37	0
1/17/2017 11:15	4.14	28.39	15.67	7.753	29.37	0
1/17/2017 11:30	2.304	18.02	18.48	6.563	29.37	0
1/17/2017 11:45	4.579	52.17	17.07	6.077	29.37	0
1/17/2017 12:00	4.929	48.14	5.532	5.649	29.34	0.01
1/17/2017 12:15	3.563	129.2	64.78	5.821	29.34	0.02
1/17/2017 12:30	3.522	137.3	61.11	6.297	29.34	0.02
1/17/2017 12:45	2.13	88	71.11	5.458	29.34	0.02
1/17/2017 13:00	5.302	102	27.83	5.176	29.31	0.03
1/17/2017 13:15	4.781	144.3	17.29	5.643	29.31	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/2017 13:30	5.812	126.3	16.51	5.587	29.31	0.02
1/17/2017 13:45	5.422	116.9	19.8	5.555	29.31	0.01
1/17/2017 14:00	5.6	103.7	22.37	5.783	29.25	0.01
1/17/2017 14:15	7.728	127.2	11.99	5.629	29.25	0.02
1/17/2017 14:30	8.81	132.2	18.59	5.762	29.25	0.02
1/17/2017 14:45	8.97	135.7	18.48	6.268	29.25	0.03
1/17/2017 15:00	7.572	115.6	13.86	6.278	29.14	0.04
1/17/2017 15:15	14.37	137.4	13.83	6.996	29.14	0.03
1/17/2017 15:30	17.77	140.3	9.83	7.323	29.14	0.03
1/17/2017 15:45	13.97	167.4	24.49	7.203	29.14	0.02
1/17/2017 16:00	11.96	156.1	12.36	6.199	29.13	0.04
1/17/2017 16:15	9.73	151.1	21.97	6.359	29.13	0.06
1/17/2017 16:30	12.48	138.9	12.03	6.604	29.13	0.05
1/17/2017 16:45	12.06	150.8	10.24	6.686	29.13	0.04
1/17/2017 17:00	11.19	150.6	10.79	6.615	29.11	0.04
1/17/2017 17:15	11.94	140.1	10.75	6.819	29.11	0.02
1/17/2017 17:30	14.09	145.2	12.65	6.876	29.11	0.01
1/17/2017 17:45	15.16	142.9	11.62	6.999	29.11	0.03
1/17/2017 18:00	12.34	150.5	11.15	6.784	29.09	0.02
1/17/2017 18:15	12.24	149.7	11.24	6.723	29.09	0.03
1/17/2017 18:30	13.06	143.4	13.49	6.529	29.09	0.03
1/17/2017 18:45	13.37	139.5	9.67	6.646	29.09	0.04
1/17/2017 19:00	15.57	133.1	8.86	6.721	29.08	0.03
1/17/2017 19:15	16.23	137.5	9.04	6.742	29.08	0.02
1/17/2017 19:30	16.3	136.3	10.2	6.864	29.08	0.03
1/17/2017 19:45	17.14	135.8	9.54	6.956	29.08	0.03
1/17/2017 20:00	16.31	136.7	9.07	6.951	29.06	0.02
1/17/2017 20:15	13.52	141.4	9.43	6.879	29.06	0.03
1/17/2017 20:30	12.04	145.4	9.39	6.972	29.06	0.04
1/17/2017 20:45	11.9	148.5	9.31	7.054	29.06	0.04
1/17/2017 21:00	11.99	142.2	10.32	6.991	29.07	0.03
1/17/2017 21:15	11.1	155	9.29	6.649	29.07	0.03
1/17/2017 21:30	11.45	145.5	9.09	6.53	29.07	0.03
1/17/2017 21:45	12.45	143.1	8.89	6.613	29.07	0.02
1/17/2017 22:00	12.43	142.3	8.46	6.82	29.08	0.01
1/17/2017 22:15	10.6	151.2	10.32	6.631	29.08	0.02
1/17/2017 22:30	9.64	159.8	18.38	6.357	29.08	0.02
1/17/2017 22:45	12.39	137.3	20.38	6.734	29.08	0.04
1/17/2017 23:00	9.05	150.2	12.31	6.724	29.09	0.03
1/17/2017 23:15	10.36	150.7	11.26	6.708	29.09	0.01
1/17/2017 23:30	9.94	151.8	23.68	7.122	29.09	0.03
1/17/2017 23:45	6.756	168.7	28.35	6.736	29.09	0.03
1/18/2017 0:00	10.66	134.2	16.61	6.685	29.08	0.03
1/18/2017 0:15	13.44	134.1	11.73	7.182	29.08	0.02
1/18/2017 0:30	12.76	140.6	11.21	7.178	29.08	0.01
1/18/2017 0:45	13.03	142.7	16.97	7.255	29.08	0
1/18/2017 1:00	11.02	155	12.71	6.714	29.05	0.01
1/18/2017 1:15	11.38	151.1	10.15	6.79	29.05	0.01
1/18/2017 1:30	9.92	145.5	15.51	7.101	29.05	0
1/18/2017 1:45	10.99	142.2	10.69	7.107	29.05	0.02
1/18/2017 2:00	10.38	143.6	10.9	7.048	29.02	0.01
1/18/2017 2:15	10.19	142.6	10.34	7.111	29.02	0.02
1/18/2017 2:30	9.16	164.5	18.73	6.979	29.02	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/18/2017 2:45	9.27	158.8	13.55	6.774	29.02	0.03
1/18/2017 3:00	11.03	156.5	14.31	6.461	29	0.04
1/18/2017 3:15	11.9	138	11.66	6.646	29	0.03
1/18/2017 3:30	13.9	136.3	10.77	6.744	29	0.03
1/18/2017 3:45	14.86	129.9	11.72	6.695	29	0.03
1/18/2017 4:00	15.61	131	10.45	6.961	28.96	0.02
1/18/2017 4:15	17.3	135.2	9.92	7.328	28.96	0.03
1/18/2017 4:30	17.14	134.4	9.06	7.612	28.96	0.02
1/18/2017 4:45	15.9	135.2	10.05	7.834	28.96	0.02
1/18/2017 5:00	18.69	135.2	9.63	7.672	28.92	0.02
1/18/2017 5:15	18.04	139.4	9.65	7.211	28.92	0.01
1/18/2017 5:30	17.69	135.7	9.29	6.717	28.92	0.02
1/18/2017 5:45	17.72	127.9	9.34	6.998	28.92	0.02
1/18/2017 6:00	16.61	128.2	9.65	7.338	28.88	0.02
1/18/2017 6:15	14.82	130.7	10.09	7.571	28.88	0
1/18/2017 6:30	11.34	140.2	16.12	8.2	28.88	0
1/18/2017 6:45	12.6	147.2	14	7.217	28.88	0
1/18/2017 7:00	7.995	134.1	13.87	7.45	28.82	0
1/18/2017 7:15	15.48	152.5	9.62	7.288	28.82	0.02
1/18/2017 7:30	20.06	135.1	12.75	6.75	28.82	0.07
1/18/2017 7:45	19.03	127.3	10.4	6.597	28.82	0.04
1/18/2017 8:00	17.84	132.8	9.18	7.35	28.82	0.01
1/18/2017 8:15	16.81	139	9.7	7.6	28.82	0.02
1/18/2017 8:30	14.87	146	9.9	7.602	28.82	0.02
1/18/2017 8:45	13.14	149.9	9.22	7.242	28.82	0.02
1/18/2017 9:00	11.82	140.6	10.76	6.92	28.88	0.02
1/18/2017 9:15	8.21	163.2	17.82	6.81	28.88	0.02
1/18/2017 9:30	10.75	150.3	17.24	6.846	28.88	0.03
1/18/2017 9:45	11.47	135.6	8.55	7.176	28.88	0
1/18/2017 10:00	11.55	137.2	8.04	7.707	28.9	0
1/18/2017 10:15	12.73	136.9	9.55	7.984	28.9	0
1/18/2017 10:30	14.85	132.7	9.48	8.28	28.9	0.01
1/18/2017 10:45	11.19	150.3	16.93	8.18	28.9	0.04
1/18/2017 11:00	10.09	165.6	44.26	7.474	28.9	0.02
1/18/2017 11:15	9.29	139	10.14	7.547	28.9	0
1/18/2017 11:30	12.96	129	8.17	7.824	28.9	0
1/18/2017 11:45	12.95	128.6	7.929	8.18	28.9	0
1/18/2017 12:00	10.35	134.9	9.04	8.46	28.9	0
1/18/2017 12:15	11.61	137.7	10.57	8.85	28.9	0
1/18/2017 12:30	10.91	131.8	14.67	9.35	28.9	0
1/18/2017 12:45	12.73	161.9	10.5	8.96	28.9	0
1/18/2017 13:00	12.62	139.8	10.98	8.66	28.87	0
1/18/2017 13:15	12.91	139.1	9.53	9.17	28.87	0
1/18/2017 13:30	15.65	133.6	9.39	8.9	28.87	0
1/18/2017 13:45	15.37	135	9.57	8.98	28.87	0
1/18/2017 14:00	14.67	135.9	8.73	9.53	28.83	0
1/18/2017 14:15	15.13	139.8	9.63	9.27	28.83	0
1/18/2017 14:30	14.04	143	11.11	9.16	28.83	0
1/18/2017 14:45	11.52	145	9.65	9.34	28.83	0
1/18/2017 15:00	14.23	137.1	9.41	9.57	28.81	0
1/18/2017 15:15	15.43	136.5	8.97	9.59	28.81	0
1/18/2017 15:30	14.95	141.4	10.23	8.96	28.81	0.01
1/18/2017 15:45	12.17	143.1	9.53	8.45	28.81	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/18/2017 16:00	12.33	137.3	10.15	8.48	28.8	0.01
1/18/2017 16:15	13.29	127.9	10.23	8.39	28.8	0
1/18/2017 16:30	15.41	134.2	11.06	8.58	28.8	0
1/18/2017 16:45	16.06	137.2	9.62	8.37	28.8	0
1/18/2017 17:00	17.29	135.4	9.16	7.984	28.77	0.01
1/18/2017 17:15	13.58	130.9	10.42	7.425	28.77	0
1/18/2017 17:30	12.25	139.2	13.77	7.177	28.77	0
1/18/2017 17:45	13.62	124.3	13.36	7.254	28.77	0.01
1/18/2017 18:00	9.5	122.2	12.95	7.291	28.71	0
1/18/2017 18:15	7.14	121.5	16.42	7.416	28.71	0
1/18/2017 18:30	6.621	136.5	22.34	7.329	28.71	0
1/18/2017 18:45	8.16	156	13.4	7.487	28.71	0
1/18/2017 19:00	17.53	141.7	11.56	7.898	28.72	0
1/18/2017 19:15	14.54	147.9	11.67	7.584	28.72	0.01
1/18/2017 19:30	18.09	132.3	11.26	7.427	28.72	0.01
1/18/2017 19:45	19.66	133.5	9.84	7.453	28.72	0.01
1/18/2017 20:00	17.8	137.7	10.38	7.532	28.72	0
1/18/2017 20:15	15.22	137.3	9.93	7.479	28.72	0.01
1/18/2017 20:30	14.09	137	10.22	7.694	28.72	0
1/18/2017 20:45	10.37	138	11.28	7.661	28.72	0
1/18/2017 21:00	11.89	145.2	11.71	7.745	28.75	0
1/18/2017 21:15	14.52	147.7	12.98	7.557	28.75	0
1/18/2017 21:30	14.25	140.5	9.49	7.72	28.75	0
1/18/2017 21:45	11.87	147	11.51	7.415	28.75	0
1/18/2017 22:00	11.45	155.5	14.19	7.121	28.82	0
1/18/2017 22:15	10.15	168.2	16.13	6.634	28.82	0.01
1/18/2017 22:30	10.68	173.4	11.95	6.585	28.82	0
1/18/2017 22:45	11.25	178.7	9.6	6.783	28.82	0.01
1/18/2017 23:00	16.53	194.2	8.5	7.173	28.9	0.02
1/18/2017 23:15	16.94	192.3	8.18	7.088	28.9	0.01
1/18/2017 23:30	13.71	186.2	8.09	6.903	28.9	0.02
1/18/2017 23:45	10.07	171.6	14.03	6.684	28.9	0.01
1/19/2017 0:00	5.463	145.6	13.66	6.384	28.93	0.01
1/19/2017 0:15	2.72	113.2	8.36	6.088	28.93	0
1/19/2017 0:30	6.033	127.8	6.554	6.278	28.93	0
1/19/2017 0:45	7.04	124.3	9.5	6.492	28.93	0
1/19/2017 1:00	7.086	130.1	7.68	6.825	28.94	0
1/19/2017 1:15	6.643	145	9.66	6.812	28.94	0
1/19/2017 1:30	6.296	171.1	11.63	6.635	28.94	0
1/19/2017 1:45	5.699	167	13.56	6.469	28.94	0
1/19/2017 2:00	5.613	165.4	10.35	6.392	28.98	0
1/19/2017 2:15	6.274	161.7	9.43	6.373	28.98	0
1/19/2017 2:30	7.473	144.6	8.43	6.499	28.98	0
1/19/2017 2:45	7.558	145.1	8.83	6.67	28.98	0
1/19/2017 3:00	7.323	156.9	8.9	6.576	28.99	0
1/19/2017 3:15	6.717	157.4	10.45	6.556	28.99	0
1/19/2017 3:30	6.675	155.1	5.711	6.881	28.99	0
1/19/2017 3:45	7.311	156.6	5.528	6.916	28.99	0
1/19/2017 4:00	7.824	155.2	7.228	6.688	29.01	0
1/19/2017 4:15	7.304	171.6	10.08	6.765	29.01	0
1/19/2017 4:30	6.108	169.6	9.12	6.401	29.01	0
1/19/2017 4:45	5.205	149	8.34	6.279	29.01	0
1/19/2017 5:00	6.6	136.8	6.266	6.581	29.02	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/2017 5:15	6.946	138.9	8.54	6.663	29.02	0
1/19/2017 5:30	6.525	149.8	7.463	6.728	29.02	0
1/19/2017 5:45	5.943	144.9	7.275	6.867	29.02	0
1/19/2017 6:00	6.477	140.8	7.764	6.777	29.02	0
1/19/2017 6:15	6.734	142.5	8.59	6.952	29.02	0
1/19/2017 6:30	7.391	149.9	8.8	6.794	29.02	0
1/19/2017 6:45	7.988	163.8	7.496	6.793	29.02	0
1/19/2017 7:00	7.624	160.8	5.008	6.601	29.04	0
1/19/2017 7:15	9.78	170	12.93	6.231	29.04	0
1/19/2017 7:30	7.767	147.6	10.29	6.541	29.04	0
1/19/2017 7:45	8.24	137.4	6.231	6.678	29.04	0
1/19/2017 8:00	7.244	142.5	7.187	6.854	29.06	0.01
1/19/2017 8:15	6.888	142.5	7.02	6.825	29.06	0.01
1/19/2017 8:30	6.828	139.6	5.727	7.164	29.06	0
1/19/2017 8:45	6.967	138.6	5.568	7.441	29.06	0
1/19/2017 9:00	7.416	144	6.677	7.362	29.06	0
1/19/2017 9:15	9.12	150.3	7.587	7.431	29.06	0
1/19/2017 9:30	10.3	154.7	6.22	7.437	29.06	0
1/19/2017 9:45	7.987	146.8	7.638	7.594	29.06	0
1/19/2017 10:00	8.31	151.8	7.262	7.704	29.08	0
1/19/2017 10:15	5.96	145.3	10.44	7.851	29.08	0
1/19/2017 10:30	6.893	149.2	11.74	8.65	29.08	0
1/19/2017 10:45	9.22	160.1	8.63	8.82	29.08	0
1/19/2017 11:00	8.88	169	10.96	8.76	29.08	0
1/19/2017 11:15	10.31	192	13.14	8.43	29.08	0
1/19/2017 11:30	8.17	198.3	8.8	8.12	29.08	0.01
1/19/2017 11:45	9.39	185.7	9.11	8.59	29.08	0
1/19/2017 12:00	15.78	199.1	10.56	8.66	29.07	0
1/19/2017 12:15	15.76	203.3	6.381	8.36	29.07	0
1/19/2017 12:30	11.74	211.1	7.227	7.959	29.07	0.02
1/19/2017 12:45	13.29	202	10.11	7.998	29.07	0
1/19/2017 13:00	12.62	191	8.13	8.11	29.05	0
1/19/2017 13:15	10.5	186.4	9.8	8.14	29.05	0
1/19/2017 13:30	9.2	187.5	7.406	8.17	29.05	0
1/19/2017 13:45	12.3	186.8	8.83	8.3	29.05	0
1/19/2017 14:00	15.85	195	8.92	8.34	29.05	0
1/19/2017 14:15	12.54	189.8	8.93	8.21	29.05	0
1/19/2017 14:30	10.48	189.9	8.22	8.14	29.05	0
1/19/2017 14:45	9.1	189.4	7.444	8.2	29.05	0
1/19/2017 15:00	7.875	190.8	8.05	7.926	29.05	0
1/19/2017 15:15	7.757	184.5	7.606	7.816	29.05	0.01
1/19/2017 15:30	6.122	162	23.76	7.409	29.05	0
1/19/2017 15:45	5.856	148.4	6.305	7.109	29.05	0
1/19/2017 16:00	7.515	156.2	7.356	7.036	29.05	0.01
1/19/2017 16:15	10.84	183.5	10.89	7.379	29.05	0
1/19/2017 16:30	9.13	175.2	10.88	7.387	29.05	0
1/19/2017 16:45	6.771	153.3	9.12	7.185	29.05	0
1/19/2017 17:00	8.28	175.4	10.77	7.548	29.05	0
1/19/2017 17:15	7.177	151.7	15.82	7.297	29.05	0
1/19/2017 17:30	6.514	143.7	10.08	7.262	29.05	0
1/19/2017 17:45	5.831	167.6	11.72	7.357	29.05	0
1/19/2017 18:00	5.626	172.4	8.58	7.472	29.06	0
1/19/2017 18:15	3.741	132	13.85	7.165	29.06	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/2017 18:30	3.351	153.5	17.5	7.41	29.06	0
1/19/2017 18:45	5.287	170.2	13.73	7.403	29.06	0
1/19/2017 19:00	7.784	147.1	7.726	7.009	29.04	0
1/19/2017 19:15	7.119	137.4	10.16	6.885	29.04	0
1/19/2017 19:30	5.343	145.7	27.85	7.139	29.04	0
1/19/2017 19:45	6.11	170.9	30.43	6.429	29.04	0
1/19/2017 20:00	3.818	155.8	29.84	6.532	29.04	0
1/19/2017 20:15	5.991	175.9	19.1	6.682	29.04	0
1/19/2017 20:30	5.385	158.6	13.96	6.473	29.04	0
1/19/2017 20:45	5.032	165.8	11.27	6.465	29.04	0
1/19/2017 21:00	4.293	131.2	20.44	6.445	29.03	0
1/19/2017 21:15	3.473	127	15.53	6.42	29.03	0
1/19/2017 21:30	3.897	142.7	10.22	6.468	29.03	0
1/19/2017 21:45	3.163	118	15.91	6.498	29.03	0
1/19/2017 22:00	3.345	126	39.18	6.55	29	0
1/19/2017 22:15	3.38	162.9	19.35	6.064	29	0
1/19/2017 22:30	2.732	146.7	25.48	6.119	29	0
1/19/2017 22:45	2.335	112.6	25.8	5.957	29	0
1/19/2017 23:00	3.489	153	16.03	5.21	28.98	0
1/19/2017 23:15	3.878	139.4	12.5	5.354	28.98	0
1/19/2017 23:30	3.715	117.3	6.281	4.972	28.98	0
1/19/2017 23:45	5.073	125.9	9.1	5.453	28.98	0
1/20/2017 0:00	4.477	133.7	17.4	5.436	28.93	0
1/20/2017 0:15	3.619	75.07	28.06	4.735	28.93	0
1/20/2017 0:30	1.871	101.6	48.5	4.407	28.93	0
1/20/2017 0:45	2.465	109.9	61.4	5.143	28.93	0
1/20/2017 1:00	0.686	76.19	10.38	4.91	28.9	0
1/20/2017 1:15	3.288	82.8	27.02	4.035	28.9	0
1/20/2017 1:30	5.658	65.6	10.92	3.416	28.9	0
1/20/2017 1:45	5.623	74.08	6.004	3.703	28.9	0
1/20/2017 2:00	2.467	70.96	15.6	3.455	28.85	0
1/20/2017 2:15	1.739	136.5	30.14	4.432	28.85	0
1/20/2017 2:30	5.418	182.1	16.97	4.443	28.85	0
1/20/2017 2:45	4.851	150.6	24.37	4.413	28.85	0
1/20/2017 3:00	5.379	138.3	11.1	4.697	28.8	0
1/20/2017 3:15	5.399	130.5	6.821	4.59	28.8	0
1/20/2017 3:30	4.802	100	12.8	4.062	28.8	0
1/20/2017 3:45	4.15	89.4	18.32	3.602	28.8	0
1/20/2017 4:00	3.842	107.5	14.65	3.968	28.74	0
1/20/2017 4:15	5.376	125.8	10.13	5.102	28.74	0
1/20/2017 4:30	5.307	92.6	7.653	5.107	28.74	0
1/20/2017 4:45	6.824	99.3	12.2	4.937	28.74	0
1/20/2017 5:00	9.8	115	10.11	6.147	28.7	0
1/20/2017 5:15	8.76	124.2	9.72	6.392	28.7	0
1/20/2017 5:30	8.31	124.2	8.87	6.465	28.7	0
1/20/2017 5:45	8.94	117.6	12.93	6.909	28.7	0
1/20/2017 6:00	10.7	115.8	13.2	7.233	28.65	0
1/20/2017 6:15	13.02	118.2	11.55	7.565	28.65	0
1/20/2017 6:30	14.11	113.9	13.76	7.687	28.65	0
1/20/2017 6:45	12.75	109.5	10.84	7.732	28.65	0
1/20/2017 7:00	11.86	110.7	12.67	7.866	28.62	0
1/20/2017 7:15	11.98	116.2	13.12	8.08	28.62	0
1/20/2017 7:30	13.28	118.7	13.09	8.34	28.62	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/20/2017 7:45	13.58	128.6	11.71	8.51	28.62	0
1/20/2017 8:00	15.04	128.1	11.2	8.57	28.59	0
1/20/2017 8:15	14.36	132.4	12.44	8.42	28.59	0
1/20/2017 8:30	12.04	128.3	12.66	8.4	28.59	0
1/20/2017 8:45	14.22	124.4	14.47	8.44	28.59	0
1/20/2017 9:00	12.93	131.6	13.41	8.69	28.57	0
1/20/2017 9:15	14.01	134.4	11.57	8.86	28.57	0
1/20/2017 9:30	15.62	136.3	12.9	8.89	28.57	0
1/20/2017 9:45	14.75	135.3	10.62	8.86	28.57	0
1/20/2017 10:00	18.4	132.6	11.56	9.03	28.55	0
1/20/2017 10:15	21.66	133.4	13.71	9.25	28.55	0
1/20/2017 10:30	18.76	138	11.05	9.25	28.55	0
1/20/2017 10:45	18.17	134.8	12.24	9.2	28.55	0
1/20/2017 11:00	16.6	133.8	12.5	9.25	28.55	0
1/20/2017 11:15	16.38	132.8	12.3	9.35	28.55	0
1/20/2017 11:30	18.1	128.4	12.75	9.47	28.55	0
1/20/2017 11:45	19.33	128.8	10.41	9.48	28.55	0
1/20/2017 12:00	17.63	131.6	13.23	9.81	28.53	0
1/20/2017 12:15	17.61	123.9	14.86	9.82	28.53	0
1/20/2017 12:30	15.4	123.7	14.07	9.8	28.53	0
1/20/2017 12:45	15.98	121.9	15.16	9.64	28.53	0
1/20/2017 13:00	19.01	116.9	13.68	9.54	28.53	0
1/20/2017 13:15	15.35	121.4	13.25	9.52	28.53	0
1/20/2017 13:30	12.9	112.3	13.51	9.53	28.53	0
1/20/2017 13:45	13.73	111.5	15.51	9.55	28.53	0
1/20/2017 14:00	12.86	107.4	13.49	9.5	28.53	0
1/20/2017 14:15	11.3	107.8	10.08	9.38	28.53	0
1/20/2017 14:30	10.44	111.5	11.45	9.34	28.53	0
1/20/2017 14:45	10.95	111.4	13.3	9.33	28.53	0
1/20/2017 15:00	9.23	107.8	13.46	9.31	28.53	0
1/20/2017 15:15	7.348	100.6	15.61	9.21	28.53	0
1/20/2017 15:30	6.943	100	13.51	9.07	28.53	0
1/20/2017 15:45	9.32	113.5	14.21	8.99	28.53	0
1/20/2017 16:00	9.08	117.6	12.85	8.91	28.54	0
1/20/2017 16:15	10.34	130.9	12.9	8.84	28.54	0
1/20/2017 16:30	11.53	130.6	10.29	8.78	28.54	0
1/20/2017 16:45	13.72	129.7	10.66	8.73	28.54	0
1/20/2017 17:00	13.31	130.1	9.7	8.7	28.54	0
1/20/2017 17:15	13.01	135	9.51	8.57	28.54	0
1/20/2017 17:30	12.51	136.1	8.94	8.43	28.54	0
1/20/2017 17:45	11.57	138.5	9.12	8.28	28.54	0
1/20/2017 18:00	10.35	144.4	8.81	8.15	28.57	0
1/20/2017 18:15	10.34	142.4	9.32	8.14	28.57	0
1/20/2017 18:30	11.08	142.8	9.06	8.09	28.57	0
1/20/2017 18:45	11.13	152.4	10.47	8.11	28.57	0
1/20/2017 19:00	9.2	165.9	8.75	8.03	28.59	0
1/20/2017 19:15	7.432	176.5	12.12	7.717	28.59	0
1/20/2017 19:30	9.28	175.6	10.67	7.457	28.59	0
1/20/2017 19:45	11.14	163.6	6.768	7.437	28.59	0
1/20/2017 20:00	11	161.5	5.712	7.494	28.61	0
1/20/2017 20:15	8.86	172.7	13.18	7.34	28.61	0
1/20/2017 20:30	6.035	186.8	7.423	6.881	28.61	0
1/20/2017 20:45	4.637	172.9	12.76	6.496	28.61	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/20/2017 21:00	5.333	166.4	8.58	6.046	28.63	0
1/20/2017 21:15	3.39	184	8.91	6.092	28.63	0
1/20/2017 21:30	2.067	179.4	8.52	6.117	28.63	0
1/20/2017 21:45	2.948	168.7	12.23	6.085	28.63	0
1/20/2017 22:00	3.831	151.5	5.548	6.266	28.63	0
1/20/2017 22:15	4.046	150	9.37	6.14	28.63	0
1/20/2017 22:30	4.068	138.5	4.831	6.067	28.63	0
1/20/2017 22:45	4.127	126.2	9.84	6.155	28.63	0
1/20/2017 23:00	3.571	139.2	10.05	5.959	28.65	0
1/20/2017 23:15	4.097	147.2	7.883	6.137	28.65	0
1/20/2017 23:30	4.696	161.5	11.23	6.297	28.65	0
1/20/2017 23:45	5.574	153.3	17.8	6.322	28.65	0
1/21/2017 0:00	7.477	114.2	10.4	6.458	28.66	0
1/21/2017 0:15	7.847	114.8	8.62	6.586	28.66	0
1/21/2017 0:30	8.16	121	11.25	6.919	28.66	0
1/21/2017 0:45	9.45	116.7	11.28	6.873	28.66	0
1/21/2017 1:00	9.02	120.4	11.13	7.138	28.67	0
1/21/2017 1:15	8.99	116.1	10.46	7.177	28.67	0
1/21/2017 1:30	7.017	123.2	12.26	7.341	28.67	0
1/21/2017 1:45	4.63	166.5	46.68	7.102	28.67	0
1/21/2017 2:00	2.569	183.1	37.86	6.568	28.7	0
1/21/2017 2:15	2.923	97.5	16.75	6.71	28.7	0
1/21/2017 2:30	1.613	115.6	12.77	6.56	28.7	0
1/21/2017 2:45	2.773	102.1	19.46	6.678	28.7	0
1/21/2017 3:00	3.393	108.2	25.76	6.487	28.71	0
1/21/2017 3:15	3.492	176.9	17.54	6.511	28.71	0
1/21/2017 3:30	3.689	172.5	24.48	6.6	28.71	0
1/21/2017 3:45	4.046	131.7	11.37	6.738	28.71	0
1/21/2017 4:00	4.86	178.2	32.13	6.834	28.73	0
1/21/2017 4:15	4.57	237.6	20.64	6.068	28.73	0
1/21/2017 4:30	6.839	227.5	9.63	5.778	28.73	0
1/21/2017 4:45	8.49	226.7	5.202	5.595	28.73	0
1/21/2017 5:00	6.339	205.8	10.85	5.261	28.75	0
1/21/2017 5:15	4.071	151.9	18.84	5.209	28.75	0
1/21/2017 5:30	3.833	105.9	8.43	5.242	28.75	0
1/21/2017 5:45	3.855	100.9	10.12	5.367	28.75	0
1/21/2017 6:00	2.496	118.7	15.33	5.469	28.76	0
1/21/2017 6:15	3.013	114.9	31.65	5.511	28.76	0
1/21/2017 6:30	2.638	83.3	16.38	5.064	28.76	0
1/21/2017 6:45	3.319	121	13.39	5.491	28.76	0
1/21/2017 7:00	3.936	141.9	6.707	5.208	28.78	0
1/21/2017 7:15	3.19	139.3	13.15	5.103	28.78	0
1/21/2017 7:30	3.736	137.5	22.66	5.167	28.78	0
1/21/2017 7:45	3.738	84.3	9.18	4.582	28.78	0
1/21/2017 8:00	5.69	153.6	20.45	4.76	28.8	0
1/21/2017 8:15	4.752	122.1	24.89	5.374	28.8	0
1/21/2017 8:30	2.543	115.3	9.02	5.528	28.8	0
1/21/2017 8:45	3.531	145.6	11.13	5.73	28.8	0
1/21/2017 9:00	4.253	171.2	10.9	6.054	28.84	0
1/21/2017 9:15	5.898	147.6	9.85	6.274	28.84	0
1/21/2017 9:30	6.388	139.3	8.18	6.307	28.84	0
1/21/2017 9:45	5.65	128.1	10.89	6.494	28.84	0
1/21/2017 10:00	6.399	131.9	13.84	6.664	28.87	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/21/2017 10:15	6.222	130	15.52	6.958	28.87	0
1/21/2017 10:30	4.178	103.7	11.06	6.723	28.87	0
1/21/2017 10:45	5.537	162	18.91	7.224	28.87	0
1/21/2017 11:00	5.155	216	9.38	7.288	28.9	0
1/21/2017 11:15	3.26	212.2	18.26	7.843	28.9	0
1/21/2017 11:30	1.174	63.46	60.58	8.38	28.9	0
1/21/2017 11:45	0.691	348.1	13.45	9.27	28.9	0
1/21/2017 12:00	2.76	144.8	69.1	9.92	28.91	0
1/21/2017 12:15	2.804	207.2	51.11	10.54	28.91	0
1/21/2017 12:30	3.889	184.4	53.05	10.51	28.91	0
1/21/2017 12:45	6.422	138.1	15.69	10.85	28.91	0
1/21/2017 13:00	8.19	144	13.13	10.78	28.91	0
1/21/2017 13:15	7.467	147.8	11.8	10.58	28.91	0
1/21/2017 13:30	3.307	92.5	47.27	10.32	28.91	0
1/21/2017 13:45	4.76	116.2	69.85	10.73	28.91	0
1/21/2017 14:00	2.383	40.8	32.45	10.3	28.92	0
1/21/2017 14:15	3.023	38.36	15.67	9.59	28.92	0
1/21/2017 14:30	2.005	9.23	3.435	9.41	28.92	0
1/21/2017 14:45	1.62	14.79	13.94	9.64	28.92	0
1/21/2017 15:00	3.195	36.52	11.42	9.55	28.94	0
1/21/2017 15:15	1.828	21.7	7.63	9.67	28.94	0
1/21/2017 15:30	1.352	99.4	30.96	9.79	28.94	0
1/21/2017 15:45	6.826	154.4	16.41	9.81	28.94	0
1/21/2017 16:00	10.22	155.9	13.55	9.46	28.98	0
1/21/2017 16:15	11.24	154.7	9.68	9.11	28.98	0
1/21/2017 16:30	8.16	142	12.21	8.66	28.98	0
1/21/2017 16:45	6.227	181.6	17.93	8.39	28.98	0
1/21/2017 17:00	6.099	195.9	18.02	8.02	29.02	0
1/21/2017 17:15	5.936	200.4	8.04	7.934	29.02	0
1/21/2017 17:30	6.55	198.4	6.425	7.601	29.02	0
1/21/2017 17:45	5.743	196.6	6.618	7.331	29.02	0
1/21/2017 18:00	5.947	195.3	6.807	7.192	29.05	0
1/21/2017 18:15	4.443	169.2	7.96	6.884	29.05	0
1/21/2017 18:30	5.006	156.5	12.06	6.844	29.05	0
1/21/2017 18:45	4.561	149.3	8.04	6.865	29.05	0
1/21/2017 19:00	6.444	168.4	7.818	6.853	29.08	0
1/21/2017 19:15	6.458	183.2	10.37	6.81	29.08	0
1/21/2017 19:30	6.34	202.3	5.574	6.613	29.08	0
1/21/2017 19:45	7.45	220.5	12.36	6.538	29.08	0
1/21/2017 20:00	5.838	216.6	7.343	6.371	29.12	0
1/21/2017 20:15	3.501	210.9	3.34	6.267	29.12	0
1/21/2017 20:30	5.687	216.4	12.45	5.946	29.12	0.01
1/21/2017 20:45	4.589	198.1	12.73	5.743	29.12	0
1/21/2017 21:00	3.07	168.2	18.98	5.527	29.16	0.02
1/21/2017 21:15	3.736	126.6	45.42	5.302	29.16	0.01
1/21/2017 21:30	4.622	84.6	6.238	5.104	29.16	0
1/21/2017 21:45	4.87	98.4	5.317	5.31	29.16	0
1/21/2017 22:00	4.844	97.8	9.15	5.695	29.15	0
1/21/2017 22:15	4.65	145.5	27.35	5.59	29.15	0
1/21/2017 22:30	5.016	136.9	11.52	5.889	29.15	0
1/21/2017 22:45	6.132	125.6	8.16	6.053	29.15	0
1/21/2017 23:00	5.406	129.3	15.99	5.912	29.17	0
1/21/2017 23:15	6.467	155.1	30.62	5.722	29.17	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/21/2017 23:30	9.47	172.2	18.79	5.536	29.17	0
1/21/2017 23:45	9.91	167.8	23.03	4.955	29.17	0.03
1/22/2017 0:00	7.708	126	8.99	4.826	29.17	0
1/22/2017 0:15	8.17	111	12.75	4.771	29.17	0
1/22/2017 0:30	4.715	83.8	10.67	4.656	29.17	0
1/22/2017 0:45	5.785	116.2	68.13	4.754	29.17	0
1/22/2017 1:00	4.298	169.5	27.87	4.074	29.14	0
1/22/2017 1:15	6.951	135.6	13.77	4.742	29.14	0
1/22/2017 1:30	8.23	123.3	11.61	5.123	29.14	0
1/22/2017 1:45	6.136	114.7	16.49	5.17	29.14	0
1/22/2017 2:00	6.074	106.4	8.29	4.952	29.11	0
1/22/2017 2:15	6.303	103.3	8.19	5.119	29.11	0
1/22/2017 2:30	5.932	108.1	9.88	4.997	29.11	0
1/22/2017 2:45	5.884	123.8	19.23	5.237	29.11	0
1/22/2017 3:00	5.788	142.3	28.37	5.104	29.07	0
1/22/2017 3:15	6.175	121.5	16.3	5.224	29.07	0
1/22/2017 3:30	6.468	79.65	14.17	4.712	29.07	0
1/22/2017 3:45	7.391	74.83	17.32	4.801	29.07	0
1/22/2017 4:00	9.74	97.6	14.22	6.186	28.97	0
1/22/2017 4:15	8.68	126.8	14.41	7.133	28.97	0
1/22/2017 4:30	7.844	122.2	12.29	6.997	28.97	0
1/22/2017 4:45	11.83	124.3	13.14	7.496	28.97	0
1/22/2017 5:00	15.93	129.7	10.62	8.11	28.92	0
1/22/2017 5:15	15.88	135.2	10.55	8.26	28.92	0
1/22/2017 5:30	17.08	131.9	12.71	8.38	28.92	0
1/22/2017 5:45	15.37	135.9	9.89	8.33	28.92	0
1/22/2017 6:00	16.08	141.7	10.39	8.19	28.91	0
1/22/2017 6:15	16.6	136.9	9.78	8.58	28.91	0
1/22/2017 6:30	16.43	134.1	11.3	8.86	28.91	0
1/22/2017 6:45	15.29	135.6	14.26	9.1	28.91	0
1/22/2017 7:00	16.97	130.3	13.29	9.22	28.9	0
1/22/2017 7:15	20.46	122.5	14.78	9.26	28.9	0.01
1/22/2017 7:30	18.64	128.3	12.41	9.08	28.9	0
1/22/2017 7:45	19.84	132.6	11.96	9.1	28.9	0
1/22/2017 8:00	15.49	134.9	14.21	9.01	28.94	0
1/22/2017 8:15	17.2	135.4	13.81	8.88	28.94	0
1/22/2017 8:30	14.29	135.1	17.17	8.72	28.94	0
1/22/2017 8:45	13.64	137.1	14.48	8.64	28.94	0
1/22/2017 9:00	13.89	141.9	11.69	8.27	28.98	0
1/22/2017 9:15	12.37	147.8	11.33	8.2	28.98	0
1/22/2017 9:30	11.94	158.7	10.11	8.16	28.98	0
1/22/2017 9:45	12.27	140	10.93	8.23	28.98	0
1/22/2017 10:00	12.32	142.2	12.22	8.21	29.03	0
1/22/2017 10:15	11.07	139.2	11.69	7.791	29.03	0
1/22/2017 10:30	14.93	140	10.52	7.539	29.03	0
1/22/2017 10:45	15.41	146	10.7	6.903	29.03	0.01
1/22/2017 11:00	14.48	139	11.69	6.13	29.09	0
1/22/2017 11:15	13.39	122.3	11	5.48	29.09	0.01
1/22/2017 11:30	11.83	124.1	12.23	5.248	29.09	0
1/22/2017 11:45	12.58	126.7	9.64	5.19	29.09	0
1/22/2017 12:00	11.34	124.9	10.71	5.15	29.1	0.01
1/22/2017 12:15	10.26	120.9	11.22	5.122	29.1	0
1/22/2017 12:30	8.94	119.9	10.36	5.136	29.1	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/22/2017 12:45	8.63	123.5	11.84	5.215	29.1	0
1/22/2017 13:00	8.14	114.3	11.08	5.119	29.1	0.01
1/22/2017 13:15	7.074	127.6	9.67	5.446	29.1	0
1/22/2017 13:30	7.019	127.9	10.79	5.635	29.1	0
1/22/2017 13:45	7.253	125.8	12.09	5.576	29.1	0
1/22/2017 14:00	9.32	130.1	10.12	5.577	29.1	0
1/22/2017 14:15	5.915	121.4	8.79	5.695	29.1	0
1/22/2017 14:30	3.989	101.8	8.95	5.577	29.1	0
1/22/2017 14:45	4.767	122.8	18.22	5.381	29.1	0
1/22/2017 15:00	4.013	159.6	23.25	5.596	29.11	0
1/22/2017 15:15	4.69	211.3	11.1	5.209	29.11	0
1/22/2017 15:30	5.171	186	17.73	5.161	29.11	0
1/22/2017 15:45	3.984	142.6	19.73	5.303	29.11	0
1/22/2017 16:00	4.119	99.9	16.57	5.54	29.12	0
1/22/2017 16:15	4.183	131	13.63	5.744	29.12	0
1/22/2017 16:30	3.704	119.6	12.55	5.911	29.12	0
1/22/2017 16:45	3.969	133.1	14.43	6.007	29.12	0
1/22/2017 17:00	3.182	150.3	11.1	5.713	29.13	0
1/22/2017 17:15	4.711	123.3	10.18	5.692	29.13	0
1/22/2017 17:30	5.13	121.5	9.05	5.504	29.13	0
1/22/2017 17:45	5.977	145.2	11.91	5.465	29.13	0
1/22/2017 18:00	5.741	121.5	15.39	5.274	29.13	0
1/22/2017 18:15	4.344	104.2	9.4	4.895	29.13	0
1/22/2017 18:30	3.664	137.5	13.64	4.938	29.13	0
1/22/2017 18:45	3.697	73.74	18.61	4.513	29.13	0
1/22/2017 19:00	3.829	55.81	38.46	3.908	29.13	0
1/22/2017 19:15	3.736	144.2	23.99	4.061	29.13	0
1/22/2017 19:30	4.145	134.4	14.54	4.823	29.13	0
1/22/2017 19:45	3.459	108.8	17.98	4.202	29.13	0
1/22/2017 20:00	2.303	90.7	35.68	3.717	29.13	0
1/22/2017 20:15	5.796	161.6	21.25	4.666	29.13	0
1/22/2017 20:30	6.086	130.9	11.14	5.282	29.13	0
1/22/2017 20:45	2.677	53.83	26.17	3.985	29.13	0
1/22/2017 21:00	1.819	70.43	6.927	4.397	29.14	0
1/22/2017 21:15	2.438	78.51	12.92	4.833	29.14	0
1/22/2017 21:30	1.744	74.52	24.5	4.286	29.14	0
1/22/2017 21:45	3.222	30.26	9.64	3.836	29.14	0
1/22/2017 22:00	4.684	37.89	6.506	3.457	29.13	0
1/22/2017 22:15	4.649	40.87	8.52	2.852	29.13	0
1/22/2017 22:30	3.292	36.97	5.856	2.807	29.13	0
1/22/2017 22:45	3.594	38.05	5.98	2.727	29.13	0
1/22/2017 23:00	2.179	65.05	25.92	3.15	29.15	0
1/22/2017 23:15	4.6	105.8	24.83	3.946	29.15	0
1/22/2017 23:30	4.543	69.46	12.28	2.922	29.15	0
1/22/2017 23:45	2.742	121.3	12.9	3.039	29.15	0
1/23/2017 0:00	2.459	82.1	29.61	3.284	29.14	0
1/23/2017 0:15	3.118	48.04	5.947	2.711	29.14	0
1/23/2017 0:30	1.989	56.28	6.208	2.971	29.14	0
1/23/2017 0:45	3.367	54.8	4.194	2.482	29.14	0
1/23/2017 1:00	4.186	45.53	11.61	2.472	29.16	0
1/23/2017 1:15	2.263	57.44	28.3	2.486	29.16	0
1/23/2017 1:30	1.117	140.3	13.77	3.444	29.16	0
1/23/2017 1:45	3.059	246.4	53.91	2.611	29.16	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/23/2017 2:00	5.231	251.9	12.97	2.523	29.2	0
1/23/2017 2:15	2.594	284.1	38.67	2.906	29.2	0
1/23/2017 2:30	2.533	163.5	47.19	3.306	29.2	0
1/23/2017 2:45	2.412	154.8	21.62	3.282	29.2	0
1/23/2017 3:00	3.466	157.5	22	3.266	29.23	0
1/23/2017 3:15	3.09	132.9	25.76	3.157	29.23	0
1/23/2017 3:30	3.731	72.32	16.58	2.833	29.23	0
1/23/2017 3:45	4.902	104.4	13.89	2.711	29.23	0
1/23/2017 4:00	4.537	130.6	14.77	2.915	29.24	0
1/23/2017 4:15	5.306	165.8	7.579	3.496	29.24	0
1/23/2017 4:30	5.716	169.5	12.1	3.884	29.24	0
1/23/2017 4:45	2.796	184	16.54	3.578	29.24	0
1/23/2017 5:00	3.898	209.4	11.54	2.882	29.25	0
1/23/2017 5:15	2.619	193.4	19.2	2.803	29.25	0
1/23/2017 5:30	0.724	143.4	1.472	2.971	29.25	0
1/23/2017 5:45	0.523	101.1	45.5	2.943	29.25	0
1/23/2017 6:00	3.687	22.6	7.132	2.376	29.26	0
1/23/2017 6:15	4.425	38.26	5.728	1.923	29.26	0
1/23/2017 6:30	6.184	34.66	6.331	1.4	29.26	0
1/23/2017 6:45	5.284	51.79	7.013	1.62	29.26	0
1/23/2017 7:00	1.816	112.7	47.69	2.302	29.3	0
1/23/2017 7:15	3.618	163.5	7.11	3.021	29.3	0
1/23/2017 7:30	0.406	140.6	2	2.886	29.3	0
1/23/2017 7:45	1.011	94.6	68.5	2.305	29.3	0
1/23/2017 8:00	2.329	345	13.59	3.04	29.33	0
1/23/2017 8:15	3.523	321	3.377	3.019	29.33	0
1/23/2017 8:30	1.12	317.7	0.072	2.793	29.33	0
1/23/2017 8:45	1.725	317.4	0.04	2.906	29.33	0
1/23/2017 9:00	2.543	317.7	0.479	3.004	29.37	0
1/23/2017 9:15	4.043	319.9	7.67	2.668	29.37	0
1/23/2017 9:30	2.844	298.2	39.72	2.775	29.37	0
1/23/2017 9:45	1.964	303.7	53.36	3.152	29.37	0
1/23/2017 10:00	0.66	343.1	22.68	3.985	29.4	0
1/23/2017 10:15	0.642	50.18	4.793	4.035	29.4	0
1/23/2017 10:30	2.955	180.8	29.64	3.938	29.4	0
1/23/2017 10:45	1.739	304.9	52.54	4.327	29.4	0
1/23/2017 11:00	2.891	23.15	21.52	3.534	29.43	0
1/23/2017 11:15	2.07	50.78	4.317	2.77	29.43	0
1/23/2017 11:30	2.834	30.5	2.29	2.833	29.43	0
1/23/2017 11:45	3.312	48.04	18.59	3.091	29.43	0
1/23/2017 12:00	3.682	33.52	8.61	3.107	29.43	0
1/23/2017 12:15	2.888	35.11	13.64	3.451	29.43	0
1/23/2017 12:30	1.532	299.6	34.58	4.617	29.43	0
1/23/2017 12:45	3.331	31.86	20.65	4.482	29.43	0
1/23/2017 13:00	3.837	48.09	12.48	4.404	29.45	0
1/23/2017 13:15	5.62	36.76	11.24	4.722	29.45	0
1/23/2017 13:30	4.98	35.05	11.64	5.134	29.45	0
1/23/2017 13:45	4.313	32.36	11.33	5.695	29.45	0
1/23/2017 14:00	6.323	20.33	14.72	6.196	29.46	0
1/23/2017 14:15	6.363	21.49	14.31	6.543	29.46	0
1/23/2017 14:30	8.42	355.7	16.34	6.799	29.46	0
1/23/2017 14:45	10.45	352	14.07	6.555	29.46	0
1/23/2017 15:00	8.49	352.1	12.82	6.804	29.47	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/23/2017 15:15	9.55	4.977	13.28	6.666	29.47	0
1/23/2017 15:30	9.82	357.2	14.18	6.494	29.47	0
1/23/2017 15:45	9.38	14.48	15.65	6.442	29.47	0
1/23/2017 16:00	8.57	19.95	11.57	6.255	29.5	0
1/23/2017 16:15	5.843	21.04	10.6	6.24	29.5	0
1/23/2017 16:30	3.368	358.3	20.5	6.406	29.5	0
1/23/2017 16:45	5.342	336.5	14.6	5.902	29.5	0
1/23/2017 17:00	6.998	325.8	4.637	5.142	29.52	0
1/23/2017 17:15	6.256	332.4	12.15	4.842	29.52	0
1/23/2017 17:30	2.181	344	20.41	5.374	29.52	0
1/23/2017 17:45	4.065	356.9	21.05	5.092	29.52	0
1/23/2017 18:00	4.348	348.2	24.23	5.029	29.54	0
1/23/2017 18:15	2.791	7.173	20.76	4.87	29.54	0
1/23/2017 18:30	1.633	29.44	8.31	4.364	29.54	0
1/23/2017 18:45	2.62	15.63	21.12	4.163	29.54	0
1/23/2017 19:00	2.842	347.7	23.69	4.437	29.58	0
1/23/2017 19:15	2.785	9.84	20.36	3.845	29.58	0
1/23/2017 19:30	3.447	11.7	7.458	4.077	29.58	0
1/23/2017 19:45	4.195	10.95	1.454	3.955	29.58	0
1/23/2017 20:00	3.687	15.92	4.56	4.292	29.59	0
1/23/2017 20:15	3.141	27.78	1.349	4.136	29.59	0
1/23/2017 20:30	1.074	35.83	1.017	2.88	29.59	0
1/23/2017 20:45	0.397	45.43	12.05	2.94	29.59	0
1/23/2017 21:00	1.621	100.8	2.966	3.219	29.6	0
1/23/2017 21:15	0.804	101.2	1.73	2.012	29.6	0
1/23/2017 21:30	0.278	100.6	0.027	2.34	29.6	0
1/23/2017 21:45	1.488	221.2	75.86	2.207	29.6	0
1/23/2017 22:00	0.705	168.5	40.4	2.664	29.62	0
1/23/2017 22:15	1.072	140.8	0.367	2.535	29.62	0
1/23/2017 22:30	1.013	214.1	21.52	1.432	29.62	0
1/23/2017 22:45	1.08	209.8	0.026	1.824	29.62	0
1/23/2017 23:00	0.466	284.9	26.69	1.634	29.64	0
1/23/2017 23:15	1.829	324.5	11.53	1.927	29.64	0
1/23/2017 23:30	0.263	341.6	0	1.956	29.64	0
1/23/2017 23:45	0.258	341.8	0.527	1.706	29.64	0
1/24/2017 0:00	0.534	30.55	0.182	1.722	29.65	0
1/24/2017 0:15	0.504	30.4	0.104	1.232	29.65	0
1/24/2017 0:30	0.721	52.82	10.93	1.653	29.65	0
1/24/2017 0:45	0.754	60.76	0.946	1.876	29.65	0
1/24/2017 1:00	2.247	178.3	24.94	1.087	29.66	0
1/24/2017 1:15	1.009	150.7	1.828	1.703	29.66	0
1/24/2017 1:30	0.65	104.5	1.704	1.472	29.66	0
1/24/2017 1:45	0.163	104.3	0.029	1.15	29.66	0
1/24/2017 2:00	0.739	104.3	0.179	1.255	29.69	0
1/24/2017 2:15	0.904	112	11.03	1.146	29.69	0
1/24/2017 2:30	1.764	148.8	7.004	0.568	29.69	0
1/24/2017 2:45	2.904	174.2	12.05	0.714	29.69	0
1/24/2017 3:00	2.633	148.2	6.161	1.079	29.7	0
1/24/2017 3:15	1.619	128.8	1.306	0.513	29.7	0
1/24/2017 3:30	2.306	128.1	0.444	0.797	29.7	0
1/24/2017 3:45	1.971	127.5	0.34	0.911	29.7	0
1/24/2017 4:00	0.491	128.4	0.823	0.707	29.7	0
1/24/2017 4:15	2.737	143.1	3.237	0.994	29.7	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/24/2017 4:30	3.029	141.4	2.269	1.309	29.7	0
1/24/2017 4:45	1.72	132	5.401	1.205	29.7	0
1/24/2017 5:00	1.434	127.3	0.189	0.814	29.72	0
1/24/2017 5:15	1.237	28.04	47.47	0.835	29.72	0
1/24/2017 5:30	2.05	44.68	14.98	0.393	29.72	0
1/24/2017 5:45	1.785	35.42	5.198	1.065	29.72	0
1/24/2017 6:00	2.74	23.94	11.13	0.529	29.74	0
1/24/2017 6:15	2.422	348.1	34.67	0.789	29.74	0
1/24/2017 6:30	1.373	6.124	53.76	0.599	29.74	0
1/24/2017 6:45	0.894	79.89	4.339	0.155	29.74	0
1/24/2017 7:00	1.992	105.8	21.79	0.107	29.76	0
1/24/2017 7:15	3.117	108	2.059	0.386	29.76	0
1/24/2017 7:30	2.158	101.1	6.581	0.658	29.76	0
1/24/2017 7:45	1.427	94.3	0.099	0.745	29.76	0
1/24/2017 8:00	1.26	94.3	0.143	0.844	29.76	0
1/24/2017 8:15	1.446	94.3	0.06	1.052	29.76	0
1/24/2017 8:30	1.213	56.36	16.72	1.694	29.76	0
1/24/2017 8:45	2.543	31.69	2.983	1.473	29.76	0
1/24/2017 9:00	1.344	32.69	2.231	1.206	29.78	0
1/24/2017 9:15	0.382	29.24	0.077	1.207	29.78	0
1/24/2017 9:30	0.51	31.18	2.444	1.481	29.78	0
1/24/2017 9:45	1.246	38.95	5.108	0.925	29.78	0
1/24/2017 10:00	1.767	48.3	3.199	1.416	29.8	0
1/24/2017 10:15	1.556	78.86	46.2	1.579	29.8	0
1/24/2017 10:30	3.11	220	17.07	1.225	29.8	0
1/24/2017 10:45	3.372	267.4	15.22	1.25	29.8	0
1/24/2017 11:00	1.393	318.9	5.906	1.697	29.82	0
1/24/2017 11:15	0.325	319.4	0.499	2.411	29.82	0
1/24/2017 11:30	0.324	253.8	7.726	2.737	29.82	0
1/24/2017 11:45	1.586	259.6	13.34	3.057	29.82	0
1/24/2017 12:00	2.118	274.2	8.64	3.177	29.83	0
1/24/2017 12:15	1.56	269.1	28.74	3.809	29.83	0
1/24/2017 12:30	1.606	314.9	9.32	3.968	29.83	0
1/24/2017 12:45	2.848	327.5	25.55	3.708	29.83	0
1/24/2017 13:00	3.078	3.249	14.58	3.288	29.83	0
1/24/2017 13:15	3.315	352.6	21.73	3.404	29.83	0
1/24/2017 13:30	3.591	343.3	14.16	3.41	29.83	0
1/24/2017 13:45	3.475	358.5	8.57	3.182	29.83	0
1/24/2017 14:00	1.842	3.063	14.83	3.159	29.83	0
1/24/2017 14:15	2.513	31.27	9.91	3.53	29.83	0
1/24/2017 14:30	3.306	43.06	7.901	4.115	29.83	0
1/24/2017 14:45	1.408	50.28	16.77	5.07	29.83	0
1/24/2017 15:00	2.251	38.51	11.34	5.27	29.85	0
1/24/2017 15:15	2.139	62.09	12.44	5.071	29.85	0
1/24/2017 15:30	2.004	67.26	3.351	5.079	29.85	0
1/24/2017 15:45	2.469	53.48	12.52	4.863	29.85	0
1/24/2017 16:00	2.667	43.81	9.37	5.287	29.85	0
1/24/2017 16:15	1.55	38.34	0.088	5.371	29.85	0
1/24/2017 16:30	1.803	21.92	29.46	4.982	29.85	0
1/24/2017 16:45	4.12	276	4.242	4.767	29.85	0
1/24/2017 17:00	4.41	282.5	1.287	4.125	29.85	0
1/24/2017 17:15	4.274	293.6	4.36	3.876	29.85	0
1/24/2017 17:30	3.034	341.2	32.3	3.934	29.85	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/24/2017 17:45	1.673	18.25	0.255	3.977	29.85	0
1/24/2017 18:00	2.022	24.07	3.626	3.883	29.86	0
1/24/2017 18:15	0.423	26.19	0.106	3.731	29.86	0
1/24/2017 18:30	1.203	26.19	0.163	3.804	29.86	0
1/24/2017 18:45	1.371	26.47	0.253	3.429	29.86	0
1/24/2017 19:00	0.393	26.52	0.108	3.177	29.87	0
1/24/2017 19:15	0.191	26.28	0.046	3.274	29.87	0
1/24/2017 19:30	2.621	53.21	78.33	2.9	29.87	0
1/24/2017 19:45	2.873	176	3.051	3.104	29.87	0
1/24/2017 20:00	3.897	183.6	9.84	3.06	29.88	0
1/24/2017 20:15	4.538	208.1	3.05	2.937	29.88	0
1/24/2017 20:30	2.864	199	15.31	2.953	29.88	0
1/24/2017 20:45	0.962	172.2	10.05	2.648	29.88	0
1/24/2017 21:00	2.114	111	24.17	2.478	29.89	0
1/24/2017 21:15	3.757	97.8	10.94	2.419	29.89	0
1/24/2017 21:30	2.57	111.1	4.645	2.752	29.89	0
1/24/2017 21:45	3.534	205.5	32.28	2.833	29.89	0
1/24/2017 22:00	4.793	209.3	7.796	2.474	29.89	0
1/24/2017 22:15	3.504	178.8	16.4	2.921	29.89	0
1/24/2017 22:30	2.407	143	15.9	2.876	29.89	0
1/24/2017 22:45	2.31	95.5	8.32	2.611	29.89	0
1/24/2017 23:00	0.246	84.2	0.05	2.978	29.9	0
1/24/2017 23:15	0.389	84.1	0.071	3.058	29.9	0
1/24/2017 23:30	0.496	84	0.115	3.022	29.9	0
1/24/2017 23:45	0.76	84	0.132	2.992	29.9	0
1/25/2017 0:00	0.587	84	0.148	2.829	29.89	0
1/25/2017 0:15	1.067	84.2	0.079	2.889	29.89	0
1/25/2017 0:30	1.827	105.5	24.62	2.646	29.89	0
1/25/2017 0:45	2.312	128.1	14.64	2.419	29.89	0
1/25/2017 1:00	3.088	131.7	12.29	3.022	29.89	0
1/25/2017 1:15	3.108	139.3	14.26	3.069	29.89	0
1/25/2017 1:30	2.764	134.4	14.87	3.297	29.89	0
1/25/2017 1:45	3.844	187.1	22.63	2.661	29.89	0
1/25/2017 2:00	4.336	163.6	13.02	3.161	29.91	0
1/25/2017 2:15	4.055	146.9	10.73	3.16	29.91	0
1/25/2017 2:30	2.919	146.6	6.307	3.364	29.91	0
1/25/2017 2:45	0.664	199.4	51.47	2.999	29.91	0
1/25/2017 3:00	1.151	239.6	37.54	3.034	29.92	0
1/25/2017 3:15	1.036	212.9	50.01	3.228	29.92	0
1/25/2017 3:30	0.526	146.6	6	3.357	29.92	0
1/25/2017 3:45	1.927	141.6	2.62	3.734	29.92	0
1/25/2017 4:00	1.076	131.1	4.031	2.823	29.91	0
1/25/2017 4:15	1.043	123.1	3.838	2.82	29.91	0
1/25/2017 4:30	0.093	120.1	0	2.854	29.91	0
1/25/2017 4:45	1.953	27.7	10.23	2.778	29.91	0
1/25/2017 5:00	4.078	23.11	5.76	1.824	29.92	0
1/25/2017 5:15	2.717	34.04	0.198	1.987	29.92	0
1/25/2017 5:30	2.408	33.25	0.11	2.487	29.92	0
1/25/2017 5:45	3.404	34.44	2.282	2.229	29.92	0
1/25/2017 6:00	3.654	18.63	3.757	2.134	29.93	0
1/25/2017 6:15	2.521	24.17	0.138	2.139	29.93	0
1/25/2017 6:30	0.643	24.17	0.425	2.631	29.93	0
1/25/2017 6:45	0.938	26.37	0.579	2.558	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/2017 7:00	0.123	26.81	0.042	3.05	29.94	0
1/25/2017 7:15	0.101	27.72	0.294	2.699	29.94	0
1/25/2017 7:30	0.739	125.7	33.16	2.994	29.94	0
1/25/2017 7:45	2.626	175.8	13.88	3.06	29.94	0
1/25/2017 8:00	2.884	190.9	13.23	3.107	29.95	0
1/25/2017 8:15	3.07	149.1	5.499	3.328	29.95	0
1/25/2017 8:30	2.586	171.8	20.84	3.135	29.95	0.01
1/25/2017 8:45	2.328	159	11.88	2.907	29.95	0
1/25/2017 9:00	3.773	184.5	15.95	3.184	29.97	0
1/25/2017 9:15	4.716	199.3	9.05	2.827	29.97	0
1/25/2017 9:30	3.891	187.6	8.64	3.153	29.97	0
1/25/2017 9:45	2.993	199.8	14.31	3.357	29.97	0
1/25/2017 10:00	3.424	207.1	5.689	3.136	29.99	0
1/25/2017 10:15	2.461	182.1	23.5	3.249	29.99	0
1/25/2017 10:30	1.791	126.1	11.52	3.389	29.99	0
1/25/2017 10:45	1.15	107.4	0.263	3.538	29.99	0
1/25/2017 11:00	0.303	136.9	28.9	3.657	30	0
1/25/2017 11:15	2.761	220.7	7.893	3.534	30	0
1/25/2017 11:30	2.485	177.5	15.57	3.825	30	0
1/25/2017 11:45	3.787	156.5	12.64	4.114	30	0
1/25/2017 12:00	4.064	179.1	19.05	4.127	30	0
1/25/2017 12:15	4.203	200.9	7.625	4.1	30	0
1/25/2017 12:30	3.912	215	8.23	4.228	30	0
1/25/2017 12:45	4.199	220.5	4.897	4.221	30	0
1/25/2017 13:00	4.223	212.1	4.835	4.356	30	0
1/25/2017 13:15	3.492	212.5	11.99	4.445	30	0
1/25/2017 13:30	3.54	187.3	12.48	4.707	30	0
1/25/2017 13:45	3.881	170.3	14.5	4.841	30	0
1/25/2017 14:00	3.317	172.7	17.21	4.811	30	0
1/25/2017 14:15	3.508	192	13.42	4.757	30	0
1/25/2017 14:30	3.754	193.9	8.41	4.782	30	0
1/25/2017 14:45	3.574	202	4.887	4.723	30	0
1/25/2017 15:00	1.641	141	19.76	4.771	30.01	0
1/25/2017 15:15	2.52	116.2	18.6	4.834	30.01	0
1/25/2017 15:30	2.321	96.3	4.472	4.653	30.01	0.01
1/25/2017 15:45	2.525	114	0.622	4.643	30.01	0
1/25/2017 16:00	2.83	117.5	9.19	4.671	30.02	0
1/25/2017 16:15	1.978	137.2	4.059	4.706	30.02	0
1/25/2017 16:30	1.346	137.2	5.318	4.701	30.02	0
1/25/2017 16:45	1.986	117.8	4.533	4.685	30.02	0
1/25/2017 17:00	2.256	114.8	3.528	4.599	30.03	0
1/25/2017 17:15	2.322	132.2	6.024	4.555	30.03	0
1/25/2017 17:30	2.589	139.6	5.389	4.621	30.03	0
1/25/2017 17:45	3.052	129.9	1.926	4.605	30.03	0
1/25/2017 18:00	3.006	130.5	3.021	4.613	30.04	0
1/25/2017 18:15	3.119	141.4	7.271	4.67	30.04	0
1/25/2017 18:30	2.786	128.9	10.05	4.79	30.04	0.01
1/25/2017 18:45	1.528	61.08	28.89	4.597	30.04	0.01
1/25/2017 19:00	1.088	17.07	0.768	4.55	30.04	0.01
1/25/2017 19:15	1.334	21.25	0.525	4.493	30.04	0
1/25/2017 19:30	2.26	15.45	1.929	4.517	30.04	0
1/25/2017 19:45	2.003	8.04	4.014	4.531	30.04	0
1/25/2017 20:00	1.833	6.307	0.054	4.638	30.05	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/2017 20:15	1.018	6.617	0.219	4.519	30.05	0
1/25/2017 20:30	0.619	6.624	0.201	4.557	30.05	0
1/25/2017 20:45	0.484	6.629	0.123	4.53	30.05	0
1/25/2017 21:00	0.908	6.631	0.201	4.553	30.06	0
1/25/2017 21:15	0.082	6.632	0.012	4.699	30.06	0
1/25/2017 21:30	0.506	7.444	2.846	4.574	30.06	0
1/25/2017 21:45	1.435	93.6	9.89	4.445	30.06	0
1/25/2017 22:00	1.018	100.3	0.107	4.483	30.08	0
1/25/2017 22:15	0.93	125	23.25	4.544	30.08	0
1/25/2017 22:30	3.115	148.5	24.18	4.533	30.08	0
1/25/2017 22:45	3.731	145.1	7.078	4.596	30.08	0
1/25/2017 23:00	3.814	158.1	10.03	4.6	30.1	0
1/25/2017 23:15	3.174	160.4	12.72	4.706	30.1	0
1/25/2017 23:30	3.515	144.1	5.673	4.821	30.1	0
1/25/2017 23:45	3.284	148.3	10.26	4.775	30.1	0
1/26/2017 0:00	2.114	143.7	11.06	4.567	30.11	0
1/26/2017 0:15	1.607	131.1	1.282	4.567	30.11	0
1/26/2017 0:30	1.489	128.7	3.839	4.57	30.11	0
1/26/2017 0:45	0.87	122.7	0.103	4.315	30.11	0
1/26/2017 1:00	1.606	150.4	39.96	4.435	30.12	0
1/26/2017 1:15	2.277	204.1	15.15	4.447	30.12	0
1/26/2017 1:30	1.763	187.6	14.32	4.522	30.12	0
1/26/2017 1:45	1.163	151.2	71.71	4.315	30.12	0
1/26/2017 2:00	3.096	77.84	12.63	4.125	30.14	0
1/26/2017 2:15	2.674	108.1	2.404	4.174	30.14	0
1/26/2017 2:30	3.185	112.8	6.432	4.517	30.14	0
1/26/2017 2:45	3.504	166.2	20.1	4.631	30.14	0
1/26/2017 3:00	2.999	197.4	10.16	4.382	30.16	0
1/26/2017 3:15	3.458	187.7	15.47	4.444	30.16	0
1/26/2017 3:30	2.577	151.6	12.09	4.372	30.16	0
1/26/2017 3:45	2.484	122.9	8.41	4.293	30.16	0
1/26/2017 4:00	2.064	100.6	5.804	4.115	30.18	0
1/26/2017 4:15	2.519	122.3	17.64	4.255	30.18	0
1/26/2017 4:30	2.796	144.1	4.093	4.477	30.18	0
1/26/2017 4:45	1.901	138.8	8.47	4.561	30.18	0
1/26/2017 5:00	1.031	130.2	0.064	4.504	30.2	0
1/26/2017 5:15	2.47	127	2.678	4.48	30.2	0
1/26/2017 5:30	3.203	133.3	9.37	4.469	30.2	0
1/26/2017 5:45	3.808	140.2	5.472	4.465	30.2	0
1/26/2017 6:00	4.201	153.3	9.2	4.45	30.2	0
1/26/2017 6:15	3.426	153.9	6.69	4.398	30.2	0
1/26/2017 6:30	2.429	168.9	15.51	4.336	30.2	0
1/26/2017 6:45	2.804	166.2	7.601	4.324	30.2	0
1/26/2017 7:00	0.808	141.7	5.759	4.337	30.22	0
1/26/2017 7:15	1.56	123.8	0.406	4.392	30.22	0
1/26/2017 7:30	1.96	112.5	5.853	4.423	30.22	0
1/26/2017 7:45	1.227	115.6	0.08	4.438	30.22	0
1/26/2017 8:00	0.009	115.6	0.006	4.493	30.26	0
1/26/2017 8:15	0	0	0	4.552	30.26	0
1/26/2017 8:30	0.955	15.48	2.886	4.548	30.26	0
1/26/2017 8:45	1.414	22.54	8.01	4.601	30.26	0
1/26/2017 9:00	1.34	34.61	1.628	4.715	30.29	0
1/26/2017 9:15	0.96	37.66	0.072	4.898	30.29	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/26/2017 9:30	0.365	37.94	0.297	5.137	30.29	0
1/26/2017 9:45	1.276	39.53	0.379	5.187	30.29	0
1/26/2017 10:00	0.568	44.91	7.205	5.222	30.31	0
1/26/2017 10:15	0.194	62.65	0.108	5.443	30.31	0
1/26/2017 10:30	1.266	135.2	30.48	5.587	30.31	0
1/26/2017 10:45	2.185	169	14.59	5.723	30.31	0
1/26/2017 11:00	1.92	173.6	16.46	5.885	30.31	0
1/26/2017 11:15	2.49	229.9	10.53	5.901	30.31	0
1/26/2017 11:30	2.932	237.7	8.11	5.975	30.31	0
1/26/2017 11:45	2.348	264.8	19.36	6.23	30.31	0
1/26/2017 12:00	1.906	275.7	13.07	6.339	30.34	0
1/26/2017 12:15	2.431	242.6	30.94	6.46	30.34	0
1/26/2017 12:30	1.946	237.1	8.85	6.336	30.34	0
1/26/2017 12:45	2.262	247.7	14.09	6.42	30.34	0
1/26/2017 13:00	1.29	291.1	28.61	6.704	30.33	0
1/26/2017 13:15	1.686	256.3	32.69	6.712	30.33	0
1/26/2017 13:30	0.992	176.2	32.69	6.891	30.33	0
1/26/2017 13:45	2.224	93.5	36.22	6.629	30.33	0
1/26/2017 14:00	0.674	145.2	30.16	6.832	30.32	0
1/26/2017 14:15	4.07	250.4	20.53	7.003	30.32	0
1/26/2017 14:30	0.682	272	16.24	7.156	30.32	0
1/26/2017 14:45	0.601	266	47.34	7.59	30.32	0
1/26/2017 15:00	1.304	10.51	14.54	7.5	30.34	0
1/26/2017 15:15	1.167	359.6	14.86	7.468	30.34	0
1/26/2017 15:30	1.521	266.4	30.86	7.692	30.34	0
1/26/2017 15:45	3.818	257.7	17.44	7.243	30.34	0
1/26/2017 16:00	3.57	283.1	9.5	7.048	30.36	0
1/26/2017 16:15	1.099	296.8	7.023	6.978	30.36	0
1/26/2017 16:30	0.946	298.2	2.685	6.875	30.36	0
1/26/2017 16:45	1.484	293.3	8.16	6.758	30.36	0
1/26/2017 17:00	2.089	14.36	20.82	6.521	30.36	0
1/26/2017 17:15	1.858	44.59	0.133	6.13	30.36	0
1/26/2017 17:30	2.112	46.75	3.716	6.23	30.36	0
1/26/2017 17:45	2.084	58.35	1.001	6.135	30.36	0
1/26/2017 18:00	3.142	39.6	4.856	5.537	30.37	0
1/26/2017 18:15	3.268	64.59	19.17	5.559	30.37	0
1/26/2017 18:30	3.081	97.7	7.699	5.439	30.37	0
1/26/2017 18:45	2.646	87.4	10.57	5.559	30.37	0
1/26/2017 19:00	0.777	81.3	0.069	5.546	30.38	0
1/26/2017 19:15	0.954	69.26	15.77	5.762	30.38	0
1/26/2017 19:30	2.203	44.18	0.792	5.473	30.38	0
1/26/2017 19:45	1.425	45.19	0.101	5.507	30.38	0
1/26/2017 20:00	1.352	45.19	0.101	5.632	30.38	0
1/26/2017 20:15	0.592	45.19	0.069	5.537	30.38	0
1/26/2017 20:30	0.194	45.73	0.902	5.512	30.38	0
1/26/2017 20:45	1.282	104.7	78.32	5.519	30.38	0
1/26/2017 21:00	3.347	198.7	6.18	5.012	30.39	0
1/26/2017 21:15	2.983	173.3	12.82	4.897	30.39	0
1/26/2017 21:30	2.834	142.8	3.621	5.053	30.39	0
1/26/2017 21:45	2.39	147.5	9.41	4.932	30.39	0
1/26/2017 22:00	2.862	165.5	9.49	5.043	30.39	0
1/26/2017 22:15	2.895	139.6	15.73	5.26	30.39	0
1/26/2017 22:30	2.818	119.4	3.081	4.968	30.39	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/26/2017 22:45	3.011	116.2	0.483	4.878	30.39	0
1/26/2017 23:00	2.06	116	0.236	5.25	30.4	0
1/26/2017 23:15	3.297	158.8	13.2	5.238	30.4	0
1/26/2017 23:30	2.977	141.5	7.38	4.822	30.4	0
1/26/2017 23:45	1.06	113.7	6.771	4.719	30.4	0
1/27/2017 0:00	0.811	109.4	0.827	4.858	30.39	0
1/27/2017 0:15	2.923	158.5	14.46	5.253	30.39	0
1/27/2017 0:30	4.339	177.9	9.84	5.02	30.39	0
1/27/2017 0:45	3.862	173.3	9.08	5.151	30.39	0
1/27/2017 1:00	2.045	163.8	37.47	4.766	30.4	0
1/27/2017 1:15	1.59	148	10.64	4.632	30.4	0
1/27/2017 1:30	2.514	165.6	3.715	4.705	30.4	0
1/27/2017 1:45	2.53	174.6	13.15	4.826	30.4	0
1/27/2017 2:00	1.607	188.2	9.95	4.532	30.4	0
1/27/2017 2:15	1.215	203.4	44.11	4.293	30.4	0
1/27/2017 2:30	1.757	205.3	19.62	4.228	30.4	0
1/27/2017 2:45	4.603	210.5	6.672	4.016	30.4	0
1/27/2017 3:00	6.349	207.2	3.06	3.714	30.42	0
1/27/2017 3:15	6.796	210.7	5.106	3.56	30.42	0
1/27/2017 3:30	6.708	208.8	5.04	3.339	30.42	0
1/27/2017 3:45	5.984	202.2	4.712	3.211	30.42	0
1/27/2017 4:00	3.749	187.5	13.86	3.177	30.46	0
1/27/2017 4:15	3.423	150.3	26.34	3.317	30.46	0
1/27/2017 4:30	3.085	94	9.09	3.106	30.46	0
1/27/2017 4:45	4.917	108.1	8.94	2.831	30.46	0
1/27/2017 5:00	6.454	120.9	4.449	3.117	30.46	0
1/27/2017 5:15	6.339	128.7	8.75	3.882	30.46	0
1/27/2017 5:30	7.248	138.8	5.453	3.85	30.46	0
1/27/2017 5:45	6.756	138.3	5.91	3.82	30.46	0
1/27/2017 6:00	7.548	135.9	7.853	3.759	30.42	0
1/27/2017 6:15	7.899	137.6	7.657	3.76	30.42	0
1/27/2017 6:30	7.553	154.6	8.02	3.458	30.42	0
1/27/2017 6:45	7.125	146.8	9.92	3.526	30.42	0
1/27/2017 7:00	6.562	158.2	21.73	3.709	30.42	0
1/27/2017 7:15	6.371	169.1	16.49	3.615	30.42	0
1/27/2017 7:30	6.533	167.2	10.55	3.589	30.42	0
1/27/2017 7:45	6.174	153.9	9.23	3.729	30.42	0
1/27/2017 8:00	6.361	145.5	10.86	3.774	30.44	0
1/27/2017 8:15	3.738	105.1	28.07	3.575	30.44	0
1/27/2017 8:30	2.07	113.8	15.62	3.56	30.44	0
1/27/2017 8:45	2.496	78.84	34.48	3.928	30.44	0
1/27/2017 9:00	2.125	54.75	20.87	3.538	30.47	0
1/27/2017 9:15	3.023	53.8	11.18	2.646	30.47	0
1/27/2017 9:30	2.693	47.27	17.63	4.158	30.47	0
1/27/2017 9:45	4.19	73.27	9.59	4.402	30.47	0
1/27/2017 10:00	1.401	71.56	12.87	5.612	30.51	0
1/27/2017 10:15	1.121	82	21.91	6.06	30.51	0
1/27/2017 10:30	3.487	128	13.31	6.289	30.51	0
1/27/2017 10:45	5.28	149.1	12.48	6.63	30.51	0
1/27/2017 11:00	7.132	158.7	10	7.576	30.51	0
1/27/2017 11:15	6.543	162.5	12.61	8.24	30.51	0
1/27/2017 11:30	7.23	155.7	14.69	8.75	30.51	0
1/27/2017 11:45	8.06	168.4	9.23	8.84	30.51	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/27/2017 12:00	6.553	165.5	15.43	9.3	30.49	0
1/27/2017 12:15	7.862	160.8	8.94	9.6	30.49	0
1/27/2017 12:30	7.663	156.8	14.15	9.95	30.49	0
1/27/2017 12:45	7	158	11.69	10.09	30.49	0
1/27/2017 13:00	5.621	170.1	27.85	10.55	30.47	0
1/27/2017 13:15	4.015	137.8	35.48	10.6	30.47	0
1/27/2017 13:30	4.409	153.2	24.88	10.96	30.47	0
1/27/2017 13:45	4.421	183.9	22.09	11.23	30.47	0
1/27/2017 14:00	2.329	159.2	47.55	11.35	30.46	0
1/27/2017 14:15	1.965	154.9	69.44	11.63	30.46	0
1/27/2017 14:30	4.41	93.2	23.64	10.9	30.46	0
1/27/2017 14:45	5.159	98	12.12	10.83	30.46	0
1/27/2017 15:00	3.555	80.8	18.79	10.94	30.45	0
1/27/2017 15:15	0.891	46.71	34.82	11.66	30.45	0
1/27/2017 15:30	1.351	275.3	30.95	11.71	30.45	0
1/27/2017 15:45	0.662	27.37	33.61	10.82	30.45	0
1/27/2017 16:00	2.121	54.86	10.43	10.34	30.44	0
1/27/2017 16:15	0.902	63.6	0.196	10.37	30.44	0
1/27/2017 16:30	3.019	139.2	13.96	10.27	30.44	0
1/27/2017 16:45	5.754	137	13.14	9.68	30.44	0
1/27/2017 17:00	5.745	142.3	8.24	9.36	30.44	0
1/27/2017 17:15	6.1	143.5	13.03	9.01	30.44	0
1/27/2017 17:30	5.3	131.6	10.87	8.78	30.44	0
1/27/2017 17:45	6.028	158.9	8.17	8.42	30.44	0
1/27/2017 18:00	6.196	152.6	10.1	8.06	30.46	0
1/27/2017 18:15	5.33	125.3	10.03	7.9	30.46	0
1/27/2017 18:30	5.719	133.8	10.54	7.756	30.46	0
1/27/2017 18:45	6.394	136.9	7.359	7.669	30.46	0
1/27/2017 19:00	5.838	135	9.1	7.503	30.45	0
1/27/2017 19:15	8.27	136.4	7.927	7.39	30.45	0
1/27/2017 19:30	9.51	132.6	7.656	7.408	30.45	0
1/27/2017 19:45	6.215	133.4	11.05	7.239	30.45	0
1/27/2017 20:00	5.694	147.5	13.52	7.215	30.41	0
1/27/2017 20:15	7.657	133	12.26	7.151	30.41	0
1/27/2017 20:30	6.659	147.2	13.88	7.128	30.41	0
1/27/2017 20:45	4.219	160.2	20.59	6.961	30.41	0
1/27/2017 21:00	1.966	157.7	42.78	6.48	30.42	0
1/27/2017 21:15	3.427	143.2	12.8	6.433	30.42	0
1/27/2017 21:30	3.194	119.9	7.128	6.289	30.42	0
1/27/2017 21:45	4.711	131.1	6.858	5.968	30.42	0
1/27/2017 22:00	5.104	134.5	7.008	6.265	30.42	0
1/27/2017 22:15	5.683	145.9	10.67	6.164	30.42	0
1/27/2017 22:30	6.749	148.4	8.17	6.132	30.42	0
1/27/2017 22:45	6.081	162.2	11.64	6.437	30.42	0
1/27/2017 23:00	8.28	166.6	10.03	6.499	30.42	0
1/27/2017 23:15	8.87	156	11.34	6.599	30.42	0
1/27/2017 23:30	8.23	143.8	11.63	6.668	30.42	0
1/27/2017 23:45	8.36	149	8.72	6.631	30.42	0
1/28/2017 0:00	8.06	149.5	9.17	6.767	30.42	0
1/28/2017 0:15	8.53	146.8	9.74	6.887	30.42	0
1/28/2017 0:30	8.36	147.7	8.39	7.04	30.42	0
1/28/2017 0:45	6.914	137.9	10.07	6.958	30.42	0
1/28/2017 1:00	6.765	132.6	6.221	6.829	30.41	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/28/2017 1:15	6.861	136.7	7.969	6.718	30.41	0
1/28/2017 1:30	5.09	151.3	10.29	6.469	30.41	0
1/28/2017 1:45	4.273	146	9.58	6.59	30.41	0
1/28/2017 2:00	4.798	144.7	9.14	6.547	30.41	0
1/28/2017 2:15	5.617	155.5	8.41	6.269	30.41	0
1/28/2017 2:30	4.515	147.6	8.49	6.024	30.41	0
1/28/2017 2:45	2.902	171.5	17.75	5.798	30.41	0
1/28/2017 3:00	3.755	203.1	21.06	5.285	30.43	0
1/28/2017 3:15	4.099	147.1	9.55	5.649	30.43	0
1/28/2017 3:30	4.315	133.5	7.332	5.932	30.43	0
1/28/2017 3:45	6.557	142.4	7.84	5.92	30.43	0
1/28/2017 4:00	9.41	157.4	9.45	6.106	30.43	0
1/28/2017 4:15	9.8	153.7	9.72	6.426	30.43	0
1/28/2017 4:30	8.19	142.7	12.82	6.521	30.43	0
1/28/2017 4:45	8.18	182.3	20.36	6.304	30.43	0
1/28/2017 5:00	5.388	181.9	18.53	5.586	30.42	0
1/28/2017 5:15	5.064	147.5	13.53	6.283	30.42	0
1/28/2017 5:30	4.563	135.1	11.36	6.634	30.42	0
1/28/2017 5:45	3.997	128.5	9.66	6.346	30.42	0
1/28/2017 6:00	6.243	134.1	8.24	6.341	30.39	0
1/28/2017 6:15	6.609	161.6	17.92	6.734	30.39	0
1/28/2017 6:30	7.431	176.4	12.08	6.485	30.39	0
1/28/2017 6:45	4.905	172	13.27	5.832	30.39	0
1/28/2017 7:00	4.258	189.4	17	5.458	30.38	0
1/28/2017 7:15	5.68	222.3	15.49	5.019	30.38	0
1/28/2017 7:30	6.944	216.8	10.11	4.856	30.38	0
1/28/2017 7:45	5.374	178.7	7.863	5.065	30.38	0
1/28/2017 8:00	6.13	160.6	5.726	5.27	30.4	0
1/28/2017 8:15	4.172	198.9	21.33	5.159	30.4	0
1/28/2017 8:30	4.934	190.9	9.83	4.939	30.4	0
1/28/2017 8:45	6.728	183.1	8.83	4.929	30.4	0
1/28/2017 9:00	7.68	186.3	12.67	5.145	30.41	0
1/28/2017 9:15	8.06	193	8.09	5.486	30.41	0
1/28/2017 9:30	7.254	194.6	9.94	5.569	30.41	0
1/28/2017 9:45	6.184	210.9	9.43	5.857	30.41	0
1/28/2017 10:00	5.33	206.4	9.87	6.369	30.42	0
1/28/2017 10:15	5.163	216	9.9	6.234	30.42	0
1/28/2017 10:30	5.062	210.1	19.57	6.76	30.42	0
1/28/2017 10:45	4.061	164	29.21	7.941	30.42	0
1/28/2017 11:00	1.52	128.7	30.59	8.62	30.43	0
1/28/2017 11:15	2.863	172.2	34.51	9.37	30.43	0
1/28/2017 11:30	5.357	160.3	25.72	9.84	30.43	0
1/28/2017 11:45	1.405	107.9	44.59	10.09	30.43	0
1/28/2017 12:00	6.396	130.4	11.11	10.29	30.4	0
1/28/2017 12:15	5.278	157.6	25.18	10.7	30.4	0
1/28/2017 12:30	6.138	203.7	12.76	10.8	30.4	0
1/28/2017 12:45	6.885	156.4	10.24	11.05	30.4	0
1/28/2017 13:00	5.639	151.9	15.39	11.33	30.4	0
1/28/2017 13:15	6.78	152.9	9.71	11.56	30.4	0
1/28/2017 13:30	5.223	152	9.37	11.67	30.4	0
1/28/2017 13:45	3.966	195.7	19.59	11.45	30.4	0
1/28/2017 14:00	4.809	152.9	22.27	11.35	30.36	0
1/28/2017 14:15	5.359	197.8	19.97	11.38	30.36	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/28/2017 14:30	5.072	167.1	12.03	11.47	30.36	0
1/28/2017 14:45	3.93	184.6	20.12	11.53	30.36	0
1/28/2017 15:00	3.807	222.1	20.63	11.37	30.36	0
1/28/2017 15:15	2.818	201.2	24.36	11.46	30.36	0
1/28/2017 15:30	3.03	219.3	13.8	11.69	30.36	0
1/28/2017 15:45	5.445	179.1	23.87	11.45	30.36	0
1/28/2017 16:00	4.635	174.7	7.699	11.13	30.36	0
1/28/2017 16:15	5.591	172	8.58	10.76	30.36	0
1/28/2017 16:30	6.544	163.9	6.791	10.27	30.36	0
1/28/2017 16:45	5.41	165.6	6.105	9.86	30.36	0
1/28/2017 17:00	5.527	168.6	5.829	9.41	30.33	0
1/28/2017 17:15	6.422	163.5	8.45	9.18	30.33	0
1/28/2017 17:30	6.924	149.2	8.22	9.05	30.33	0
1/28/2017 17:45	8.43	163.9	7.744	9.18	30.33	0
1/28/2017 18:00	9.75	140.7	13.18	9.39	30.31	0
1/28/2017 18:15	5.484	157.2	12.89	8.87	30.31	0
1/28/2017 18:30	4.741	159	9.96	8.81	30.31	0
1/28/2017 18:45	5.726	161.8	11.03	8.57	30.31	0
1/28/2017 19:00	6.927	148.4	8.78	8.35	30.29	0
1/28/2017 19:15	5.667	141.2	8.82	8.24	30.29	0
1/28/2017 19:30	4.206	144.7	9.34	8.05	30.29	0
1/28/2017 19:45	5.179	138.3	8.74	7.967	30.29	0
1/28/2017 20:00	4.096	137.7	12.48	7.887	30.29	0
1/28/2017 20:15	4.96	147	7.721	7.894	30.29	0
1/28/2017 20:30	5.3	153.1	8.18	7.78	30.29	0
1/28/2017 20:45	5.408	143.6	6.451	7.418	30.29	0
1/28/2017 21:00	5.96	135.4	9.48	7.213	30.28	0
1/28/2017 21:15	7.012	157	12.13	7.076	30.28	0
1/28/2017 21:30	8.7	154.5	8.87	7.128	30.28	0
1/28/2017 21:45	8.79	149.1	7.553	6.97	30.28	0
1/28/2017 22:00	8.63	162.7	8.61	7.184	30.26	0
1/28/2017 22:15	8.81	146.6	9.98	7.303	30.26	0
1/28/2017 22:30	6.444	153	13.62	7.518	30.26	0
1/28/2017 22:45	6.16	188	18.91	7.103	30.26	0
1/28/2017 23:00	6.603	210.9	19.7	6.256	30.25	0
1/28/2017 23:15	5.392	188	11.35	6.452	30.25	0
1/28/2017 23:30	4.199	186.1	11.68	6.406	30.25	0
1/28/2017 23:45	4.689	151.2	10.55	6.554	30.25	0
1/29/2017 0:00	3.845	163.6	13.63	6.651	30.25	0
1/29/2017 0:15	5.746	159.3	11.87	6.31	30.25	0
1/29/2017 0:30	5.487	151.1	21.23	6.537	30.25	0
1/29/2017 0:45	3.541	188.4	35.38	5.693	30.25	0
1/29/2017 1:00	5.253	180.8	17.79	5.75	30.22	0
1/29/2017 1:15	7.734	187.2	11.65	5.286	30.22	0
1/29/2017 1:30	8.33	158.3	6.631	5.75	30.22	0
1/29/2017 1:45	7.459	155	5.778	5.966	30.22	0
1/29/2017 2:00	6.963	177.1	9.44	5.859	30.19	0
1/29/2017 2:15	5.393	166.3	9.35	5.588	30.19	0
1/29/2017 2:30	5.262	175.1	11.1	5.594	30.19	0
1/29/2017 2:45	5.59	139.5	6.245	5.851	30.19	0
1/29/2017 3:00	6.415	144.7	13.63	5.915	30.19	0
1/29/2017 3:15	5.424	177.8	10.42	5.977	30.19	0
1/29/2017 3:30	5.167	189.7	11.31	5.331	30.19	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/29/2017 3:45	5.303	184.1	8.39	5.315	30.19	0
1/29/2017 4:00	5.954	190.2	10.38	4.754	30.19	0
1/29/2017 4:15	5.435	154.5	19.34	5.381	30.19	0
1/29/2017 4:30	5.983	175.2	20.7	5.276	30.19	0
1/29/2017 4:45	6.636	195.6	21.06	4.978	30.19	0
1/29/2017 5:00	6.78	205.3	8.11	4.396	30.18	0
1/29/2017 5:15	6.262	189.5	13.76	4.212	30.18	0
1/29/2017 5:30	6.944	202.2	5.706	3.834	30.18	0
1/29/2017 5:45	7.482	204	5.834	3.564	30.18	0
1/29/2017 6:00	7.373	210.9	6.498	3.396	30.17	0
1/29/2017 6:15	7.435	208.7	11.68	3.618	30.17	0
1/29/2017 6:30	6.319	179.3	24.04	4.085	30.17	0
1/29/2017 6:45	3.784	158.7	27.53	4.852	30.17	0
1/29/2017 7:00	4.32	176.3	24.94	5.253	30.19	0
1/29/2017 7:15	5.492	202.3	20.98	4.348	30.19	0
1/29/2017 7:30	4.81	202.3	28.79	4.246	30.19	0
1/29/2017 7:45	4.207	224.8	23.83	4.078	30.19	0
1/29/2017 8:00	3.756	196.7	26.78	4.127	30.2	0
1/29/2017 8:15	2.746	131.6	18.94	4.293	30.2	0
1/29/2017 8:30	4.666	121.3	5.607	5.135	30.2	0
1/29/2017 8:45	6.742	131.7	7.735	5.307	30.2	0
1/29/2017 9:00	5.08	148.8	14.19	6.466	30.21	0
1/29/2017 9:15	2.722	168	16.63	7.042	30.21	0
1/29/2017 9:30	3.077	165.6	16.83	7.339	30.21	0
1/29/2017 9:45	3.29	161.9	10.84	7.269	30.21	0
1/29/2017 10:00	3.983	204.7	27.18	7.115	30.21	0
1/29/2017 10:15	5.724	252.4	8.56	6.805	30.21	0
1/29/2017 10:30	7.363	266.9	11.02	7.088	30.21	0
1/29/2017 10:45	6.794	278.2	10.24	7.201	30.21	0
1/29/2017 11:00	7.069	260.7	13.87	7.602	30.23	0
1/29/2017 11:15	8	260.5	13.2	7.367	30.23	0
1/29/2017 11:30	8.72	213.3	26.85	7.107	30.23	0
1/29/2017 11:45	9.21	151	18.95	7.435	30.23	0
1/29/2017 12:00	9.74	169.1	13.32	8.1	30.21	0
1/29/2017 12:15	8.66	169.4	19.63	8.61	30.21	0
1/29/2017 12:30	9.47	152.1	16.28	8.56	30.21	0
1/29/2017 12:45	9.27	164.2	15.81	8.48	30.21	0
1/29/2017 13:00	5.057	196.4	21.44	8.41	30.22	0
1/29/2017 13:15	4.907	216.7	8.67	8.2	30.22	0
1/29/2017 13:30	5.862	194.5	13.25	7.926	30.22	0
1/29/2017 13:45	8.91	186.4	12.05	7.095	30.22	0.01
1/29/2017 14:00	8.32	183.9	10.64	6.737	30.19	0
1/29/2017 14:15	8.87	187.8	9.09	6.661	30.19	0.01
1/29/2017 14:30	7.166	146.3	11.24	6.548	30.19	0
1/29/2017 14:45	6.01	122.1	10.27	6.558	30.19	0
1/29/2017 15:00	8.04	132.2	9.84	6.831	30.19	0
1/29/2017 15:15	8.96	142.8	7.998	7.176	30.19	0
1/29/2017 15:30	9.57	148.2	7.562	7.266	30.19	0
1/29/2017 15:45	11.96	153.6	9.58	7.069	30.19	0
1/29/2017 16:00	9.42	149.9	10.05	6.619	30.21	0
1/29/2017 16:15	10	154.9	7.8	6.48	30.21	0
1/29/2017 16:30	9.85	151.6	8.02	6.313	30.21	0
1/29/2017 16:45	7.852	141	11.1	6.158	30.21	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/29/2017 17:00	5.353	118	12.65	6.143	30.22	0
1/29/2017 17:15	6.387	135.6	19.3	6.234	30.22	0
1/29/2017 17:30	10.2	153.1	10.49	6.652	30.22	0
1/29/2017 17:45	9.21	156.1	9.98	6.827	30.22	0
1/29/2017 18:00	8.07	150.6	12.33	6.992	30.21	0
1/29/2017 18:15	7.014	160.3	10.89	7.074	30.21	0
1/29/2017 18:30	5.859	174.9	14.51	7.196	30.21	0
1/29/2017 18:45	4.983	179.2	15.77	7.204	30.21	0
1/29/2017 19:00	4.76	197.1	7.335	7.153	30.22	0
1/29/2017 19:15	5.037	195	4.853	7.083	30.22	0
1/29/2017 19:30	4.768	196.1	6.171	7.057	30.22	0
1/29/2017 19:45	6.015	190.4	4.848	7.078	30.22	0
1/29/2017 20:00	5.886	190.8	6.201	7.077	30.2	0.01
1/29/2017 20:15	5.452	195	7.975	7.039	30.2	0
1/29/2017 20:30	5.778	195.6	7.146	7.019	30.2	0
1/29/2017 20:45	7.548	206.7	6.731	7.033	30.2	0
1/29/2017 21:00	6.565	221.9	8.95	7.03	30.24	0
1/29/2017 21:15	7.89	224.4	9.04	6.998	30.24	0
1/29/2017 21:30	7.739	226.4	6.385	6.957	30.24	0.01
1/29/2017 21:45	7.346	224.3	6.205	6.912	30.24	0
1/29/2017 22:00	6.743	222.8	5.778	6.87	30.25	0
1/29/2017 22:15	4.807	226.9	5.934	6.831	30.25	0
1/29/2017 22:30	3.893	235.4	9.21	6.796	30.25	0
1/29/2017 22:45	4.139	244.3	10.01	6.751	30.25	0
1/29/2017 23:00	4.109	232.8	16.92	6.692	30.23	0
1/29/2017 23:15	4.33	226.7	8.3	6.65	30.23	0
1/29/2017 23:30	5.77	240.8	10.18	6.588	30.23	0
1/29/2017 23:45	5.378	252.6	6.743	6.539	30.23	0
1/30/2017 0:00	4.359	257.5	6.891	6.509	30.23	0
1/30/2017 0:15	2.818	281.1	5.841	6.461	30.23	0
1/30/2017 0:30	2.516	293.9	5.876	6.414	30.23	0
1/30/2017 0:45	2.405	321	5.402	6.37	30.23	0.01
1/30/2017 1:00	2.811	325.7	5.446	6.289	30.21	0
1/30/2017 1:15	4.009	325.7	2.984	6.197	30.21	0
1/30/2017 1:30	3.119	316.2	7.616	6.165	30.21	0
1/30/2017 1:45	2.209	279	6.769	6.134	30.21	0.01
1/30/2017 2:00	1.986	309.6	4.844	6.121	30.2	0
1/30/2017 2:15	1.895	321	1.336	6.109	30.2	0
1/30/2017 2:30	0.958	330.7	0.905	6.085	30.2	0
1/30/2017 2:45	0.216	45.4	10.55	6.069	30.2	0
1/30/2017 3:00	1.537	4.011	12.92	6.024	30.19	0
1/30/2017 3:15	4.845	11.14	6.092	5.976	30.19	0
1/30/2017 3:30	5.754	1.272	10.09	5.968	30.19	0
1/30/2017 3:45	5.593	15.56	10.31	6.006	30.19	0
1/30/2017 4:00	5.568	17.94	11.08	5.887	30.17	0
1/30/2017 4:15	7.48	16.72	12.12	5.744	30.17	0
1/30/2017 4:30	8.92	23.29	9.55	5.594	30.17	0
1/30/2017 4:45	7.401	22.17	11.5	5.415	30.17	0
1/30/2017 5:00	6.212	26.55	13.41	5.334	30.16	0
1/30/2017 5:15	9.86	26.02	13.1	5.086	30.16	0
1/30/2017 5:30	9.37	15.61	17.44	4.92	30.16	0
1/30/2017 5:45	6.677	13.31	14.25	4.871	30.16	0
1/30/2017 6:00	4.757	13.45	20.17	4.816	30.15	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/2017 6:15	5.125	14.06	18.31	4.844	30.15	0
1/30/2017 6:30	5.084	44.98	20.38	4.753	30.15	0
1/30/2017 6:45	5.397	57.1	18.07	4.671	30.15	0
1/30/2017 7:00	6.941	63.27	16.88	4.568	30.15	0
1/30/2017 7:15	6.776	57.54	12.6	4.355	30.15	0
1/30/2017 7:30	9.93	56.3	11.17	4.377	30.15	0
1/30/2017 7:45	10.1	44.95	9.75	4.28	30.15	0
1/30/2017 8:00	8.46	36.28	8.01	4.157	30.14	0
1/30/2017 8:15	7.937	35.28	9.09	4.171	30.14	0
1/30/2017 8:30	8.33	42.22	10.24	4.061	30.14	0
1/30/2017 8:45	9.46	33.33	7.204	4.125	30.14	0
1/30/2017 9:00	7.424	31.96	10.83	4.239	30.12	0
1/30/2017 9:15	6.15	26.06	14.78	4.381	30.12	0
1/30/2017 9:30	6.993	32.31	16.1	4.396	30.12	0
1/30/2017 9:45	9.24	32.08	11.13	4.426	30.12	0
1/30/2017 10:00	9.48	32.54	10.86	4.365	30.11	0
1/30/2017 10:15	8.86	28.03	12.59	4.381	30.11	0
1/30/2017 10:30	9.48	24.82	11.23	4.601	30.11	0
1/30/2017 10:45	8.93	17.37	11.43	4.846	30.11	0
1/30/2017 11:00	8.74	20.24	8.6	4.847	30.12	0
1/30/2017 11:15	9.29	19.86	8.68	5.057	30.12	0
1/30/2017 11:30	10.13	23.97	9.15	5.206	30.12	0
1/30/2017 11:45	9.97	24.87	7.768	5.228	30.12	0
1/30/2017 12:00	9.88	33.13	8.38	5.336	30.09	0
1/30/2017 12:15	8.55	26.01	12.5	5.335	30.09	0
1/30/2017 12:30	9.9	20	7.71	5.358	30.09	0
1/30/2017 12:45	9.89	23.36	7.976	5.219	30.09	0
1/30/2017 13:00	10.02	21.02	8.8	5.168	30.07	0
1/30/2017 13:15	11.58	24.58	7.014	5.094	30.07	0
1/30/2017 13:30	10.87	26.09	9.67	5.113	30.07	0
1/30/2017 13:45	7.42	36.98	11.79	5.083	30.07	0
1/30/2017 14:00	8.17	29.73	9.86	5.138	30.07	0
1/30/2017 14:15	5.935	18.96	14.88	5.224	30.07	0
1/30/2017 14:30	5.036	13.64	16.62	5.398	30.07	0
1/30/2017 14:45	5.919	29.82	11.55	5.432	30.07	0
1/30/2017 15:00	7.173	31.4	11.77	5.34	30.05	0
1/30/2017 15:15	8.6	29.08	11.13	5.276	30.05	0
1/30/2017 15:30	9.3	24.99	9.95	5.314	30.05	0
1/30/2017 15:45	7.751	6.33	17.32	5.416	30.05	0
1/30/2017 16:00	8.69	11.18	17.1	5.369	30.02	0
1/30/2017 16:15	6.409	350.3	21.33	5.316	30.02	0
1/30/2017 16:30	4.932	353.4	24.96	5.263	30.02	0
1/30/2017 16:45	4.787	324.1	12.95	5.012	30.02	0
1/30/2017 17:00	4.579	330.4	10.74	4.795	30	0
1/30/2017 17:15	5.311	17.6	17.85	4.728	30	0
1/30/2017 17:30	6.173	31.16	8.99	4.609	30	0
1/30/2017 17:45	5.093	24	7.763	4.456	30	0
1/30/2017 18:00	6.652	21.15	12.68	4.494	29.96	0
1/30/2017 18:15	4.838	11	15.55	4.548	29.96	0
1/30/2017 18:30	3.42	295.3	35.46	4.42	29.96	0
1/30/2017 18:45	4.316	332	15.97	4.157	29.96	0
1/30/2017 19:00	4.839	349.7	18.04	4.114	29.93	0
1/30/2017 19:15	6.239	8.78	14.17	4.106	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/2017 19:30	4.04	326	39.64	4.161	29.93	0
1/30/2017 19:45	2.006	5.225	30.56	4.064	29.93	0
1/30/2017 20:00	6.535	28.85	7.203	3.868	29.94	0
1/30/2017 20:15	9.22	27.26	7.527	3.793	29.94	0
1/30/2017 20:30	10.54	20.46	9.98	3.774	29.94	0
1/30/2017 20:45	11.1	17.28	10.53	3.751	29.94	0
1/30/2017 21:00	9.99	18.8	14.01	3.729	29.92	0
1/30/2017 21:15	9.44	23.16	15.93	3.699	29.92	0
1/30/2017 21:30	8.78	19.31	14.82	3.688	29.92	0
1/30/2017 21:45	8.53	31.12	12.39	3.649	29.92	0
1/30/2017 22:00	6.103	17.69	16.16	3.678	29.93	0
1/30/2017 22:15	6.345	12.68	13.02	3.759	29.93	0
1/30/2017 22:30	8.57	20.61	10.79	3.719	29.93	0
1/30/2017 22:45	8.47	20.49	9.19	3.643	29.93	0
1/30/2017 23:00	8.87	18.38	8.63	3.597	29.95	0
1/30/2017 23:15	7.892	23.02	8.73	3.539	29.95	0
1/30/2017 23:30	8.49	22.01	9.11	3.484	29.95	0
1/30/2017 23:45	8.86	25.89	7.473	3.434	29.95	0
1/31/2017 0:00	8.65	23.07	7.098	3.398	29.92	0
1/31/2017 0:15	8.36	24.32	6.963	3.418	29.92	0
1/31/2017 0:30	7.031	7.336	14.91	3.559	29.92	0
1/31/2017 0:45	7.04	5.357	15.82	3.606	29.92	0
1/31/2017 1:00	6.462	0.105	13.94	3.673	29.92	0
1/31/2017 1:15	5.981	1.609	15.29	3.604	29.92	0
1/31/2017 1:30	6.922	2.275	15.16	3.46	29.92	0
1/31/2017 1:45	4.505	355.8	13.09	3.385	29.92	0
1/31/2017 2:00	5.205	14.07	14.27	3.202	29.92	0
1/31/2017 2:15	6.086	19.84	12.04	3.087	29.92	0
1/31/2017 2:30	5.035	10.36	18.18	3.153	29.92	0
1/31/2017 2:45	3.795	29.15	25.85	3.107	29.92	0
1/31/2017 3:00	3.582	7.247	19.28	3.166	29.94	0
1/31/2017 3:15	3.943	27.94	21.12	3.076	29.94	0
1/31/2017 3:30	4.028	26.87	13.82	3.032	29.94	0
1/31/2017 3:45	8.21	23.79	12.37	2.949	29.94	0
1/31/2017 4:00	10.69	16.66	11.38	2.887	29.92	0
1/31/2017 4:15	7.614	10.99	13.58	2.826	29.92	0
1/31/2017 4:30	6.703	10.77	12.26	2.874	29.92	0
1/31/2017 4:45	6.238	12.98	9.28	2.967	29.92	0
1/31/2017 5:00	5.999	11.96	14.92	2.961	29.92	0
1/31/2017 5:15	6.468	353.9	18.83	2.895	29.92	0
1/31/2017 5:30	8.05	330.3	12.05	2.87	29.92	0
1/31/2017 5:45	6.411	336.7	13.51	2.816	29.92	0
1/31/2017 6:00	7.769	336.1	14.45	2.701	29.92	0
1/31/2017 6:15	8.89	351.3	16.3	2.571	29.92	0
1/31/2017 6:30	12.15	334.5	7.915	2.456	29.92	0
1/31/2017 6:45	10.89	340.9	9.45	2.357	29.92	0
1/31/2017 7:00	10.46	356.7	13.92	2.112	29.94	0
1/31/2017 7:15	10.24	355.4	15.62	2.025	29.94	0
1/31/2017 7:30	9.4	359.8	15.15	1.699	29.94	0
1/31/2017 7:45	7.63	356.6	17.93	1.649	29.94	0
1/31/2017 8:00	7.393	349.3	15.02	1.793	29.94	0
1/31/2017 8:15	8.98	335.7	10.79	1.966	29.94	0
1/31/2017 8:30	8.58	339.5	16.92	1.962	29.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/31/2017 8:45	7.848	2.514	16.29	1.66	29.94	0
1/31/2017 9:00	6.194	12.25	14.2	1.63	29.96	0
1/31/2017 9:15	3.983	41.02	17.15	1.74	29.96	0
1/31/2017 9:30	5.571	12.44	17.85	2.035	29.96	0
1/31/2017 9:45	7.016	352.6	14.51	2.284	29.96	0
1/31/2017 10:00	4.66	356.9	16.44	2.346	29.98	0
1/31/2017 10:15	4.143	38.19	17.89	2.472	29.98	0
1/31/2017 10:30	4.019	50.55	17.59	2.804	29.98	0
1/31/2017 10:45	5.918	4.476	22.67	2.605	29.98	0
1/31/2017 11:00	5.735	328.4	15.79	2.55	30	0
1/31/2017 11:15	5.523	340.5	17.86	2.473	30	0
1/31/2017 11:30	5.32	5.271	16.73	2.514	30	0
1/31/2017 11:45	4.413	27.04	11.61	2.564	30	0
1/31/2017 12:00	5.062	20.95	18.1	2.725	30	0
1/31/2017 12:15	5.183	41.18	12.55	2.7	30	0
1/31/2017 12:30	4.019	16.46	25.88	2.997	30	0
1/31/2017 12:45	4.152	12.97	20.72	3.454	30	0
1/31/2017 13:00	6.861	358.3	17.92	3.781	29.99	0
1/31/2017 13:15	6.421	328.5	33.65	4.293	29.99	0
1/31/2017 13:30	5.634	3.178	22.24	4.153	29.99	0
1/31/2017 13:45	5.222	18.9	26.32	4.37	29.99	0
1/31/2017 14:00	6.401	27.8	28.91	4.041	29.98	0
1/31/2017 14:15	7.761	33.95	9.11	3.65	29.98	0
1/31/2017 14:30	7.314	29.89	14.2	3.844	29.98	0
1/31/2017 14:45	8.59	34.41	16	4.106	29.98	0
1/31/2017 15:00	8.24	23.28	8.71	3.504	29.97	0
1/31/2017 15:15	6.331	21.25	7.949	3.41	29.97	0
1/31/2017 15:30	4.916	19.57	8.96	3.394	29.97	0
1/31/2017 15:45	5.354	20.74	10.26	3.863	29.97	0
1/31/2017 16:00	5.503	25.22	15.93	3.693	29.97	0
1/31/2017 16:15	5.102	24.2	13.81	3.691	29.97	0
1/31/2017 16:30	5.223	27.26	9.27	3.447	29.97	0
1/31/2017 16:45	4.586	24.51	7.176	3.254	29.97	0
1/31/2017 17:00	5.094	15.37	9.9	3.114	29.99	0
1/31/2017 17:15	5.093	11.62	13.09	2.982	29.99	0
1/31/2017 17:30	5.444	17.95	13.25	3.045	29.99	0
1/31/2017 17:45	4.492	19.21	12.54	2.977	29.99	0
1/31/2017 18:00	5.57	357.1	16.14	2.802	29.99	0
1/31/2017 18:15	7.084	6.23	12.25	2.728	29.99	0
1/31/2017 18:30	8.53	23.84	12.81	2.273	29.99	0
1/31/2017 18:45	8.83	26.71	8.77	2.146	29.99	0
1/31/2017 19:00	7.152	29.95	10.95	2.407	30	0
1/31/2017 19:15	3.989	54.67	14.14	2.222	30	0
1/31/2017 19:30	2.513	97.2	10.29	2.329	30	0
1/31/2017 19:45	3.633	15.17	27.97	2.586	30	0
1/31/2017 20:00	3.783	84.5	46.59	2.485	30.01	0
1/31/2017 20:15	3.874	70.66	34.28	2.244	30.01	0
1/31/2017 20:30	2.592	23.26	26.64	2.393	30.01	0
1/31/2017 20:45	1.661	59.27	56.32	1.808	30.01	0
1/31/2017 21:00	4.538	63.85	15.83	1.666	30.02	0
1/31/2017 21:15	6.253	51.02	14.05	1.632	30.02	0
1/31/2017 21:30	5.24	47.14	16.85	1.349	30.02	0
1/31/2017 21:45	4.848	74.63	30.32	1.807	30.02	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/31/2017 22:00	4.377	125.1	13.83	2.188	30	0
1/31/2017 22:15	3.433	98	30.33	1.612	30	0
1/31/2017 22:30	4.914	46.59	6.589	0.424	30	0
1/31/2017 22:45	6.347	31.64	4.572	0.228	30	0
1/31/2017 23:00	4.966	47.19	9.4	0.561	30.02	0
1/31/2017 23:15	4.35	57.15	11.52	0.995	30.02	0
1/31/2017 23:30	3.902	52.09	7.48	0.614	30.02	0
1/31/2017 23:45	4.37	58.97	27.98	0.471	30.02	0
2/1/2017 0:00	6.329	113.5	7.864	1.253	30.04	0
2/1/2017 0:15	4.907	102.1	12.08	1.51	30.04	0
2/1/2017 0:30	3.581	84.2	18.15	0.66	30.04	0
2/1/2017 0:45	3.227	53.55	15.4	0.196	30.04	0
2/1/2017 1:00	3.624	45.65	19.28	0.72	30.03	0
2/1/2017 1:15	3.089	35.88	20.46	-0.202	30.03	0
2/1/2017 1:30	3.387	27.56	15.39	0.071	30.03	0
2/1/2017 1:45	4.222	35.22	10.79	-0.817	30.03	0
2/1/2017 2:00	4.537	18.54	11.83	-0.755	30.04	0
2/1/2017 2:15	4.783	22.27	8.79	-0.762	30.04	0
2/1/2017 2:30	4.324	27.77	9	-1.443	30.04	0
2/1/2017 2:45	4.561	26.11	20.72	-1.631	30.04	0
2/1/2017 3:00	4.682	29.28	13.91	-1.907	30.03	0
2/1/2017 3:15	6.093	23.76	10.59	-2.107	30.03	0
2/1/2017 3:30	6.109	27.66	8.77	-2.235	30.03	0
2/1/2017 3:45	6.029	30.73	7.99	-2.284	30.03	0
2/1/2017 4:00	5.723	33.68	7.227	-2.33	30.03	0
2/1/2017 4:15	6.179	39.27	5.902	-2.48	30.03	0
2/1/2017 4:30	5.622	37.47	13.03	-2.242	30.03	0
2/1/2017 4:45	6.596	42.12	17.16	-1.758	30.03	0
2/1/2017 5:00	7.102	23.85	8.39	-2.383	30.02	0
2/1/2017 5:15	6.263	32.72	12.75	-2.61	30.02	0
2/1/2017 5:30	6.534	38.36	9.13	-2.723	30.02	0
2/1/2017 5:45	7.097	42.15	8.72	-2.726	30.02	0
2/1/2017 6:00	6.217	50.75	12.35	-2.342	30.01	0
2/1/2017 6:15	4.878	54.99	8.96	-2.05	30.01	0
2/1/2017 6:30	5.63	67.34	12.74	-1.582	30.01	0
2/1/2017 6:45	5.375	75.36	24.03	-0.963	30.01	0
2/1/2017 7:00	8.51	85.8	24.94	-0.396	30.01	0
2/1/2017 7:15	10.46	102.2	11.05	0.127	30.01	0
2/1/2017 7:30	6.264	73.08	17.24	-0.915	30.01	0
2/1/2017 7:45	7.185	75.91	15.62	-1.163	30.01	0
2/1/2017 8:00	5.923	65.98	24.45	-1.683	30.02	0
2/1/2017 8:15	5.898	58.51	19.69	-2.229	30.02	0
2/1/2017 8:30	6.828	72.98	23.58	-2.063	30.02	0
2/1/2017 8:45	10.49	97.1	16.82	-0.853	30.02	0
2/1/2017 9:00	13.04	101.2	13.45	0.897	30.03	0
2/1/2017 9:15	10.53	92.3	15.59	0.867	30.03	0
2/1/2017 9:30	8.79	72.12	17.07	0.363	30.03	0
2/1/2017 9:45	11.97	71.35	15.68	1.168	30.03	0
2/1/2017 10:00	10.17	76.86	19.44	1.644	30.02	0
2/1/2017 10:15	9.97	69.73	18.58	1.892	30.02	0
2/1/2017 10:30	10.74	91.8	20.56	2.078	30.02	0
2/1/2017 10:45	9.91	78.35	27.65	2.261	30.02	0
2/1/2017 11:00	10.7	88.2	22.33	2.795	30.04	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/1/2017 11:15	11.37	88.2	24.4	2.952	30.04	0
2/1/2017 11:30	14.06	95.7	18.84	3.014	30.04	0
2/1/2017 11:45	15.75	97.2	15.96	2.973	30.04	0
2/1/2017 12:00	13.44	110.7	14.86	3.2	30.02	0
2/1/2017 12:15	16.65	105	15.35	3.275	30.02	0
2/1/2017 12:30	15.45	109.2	14.58	3.441	30.02	0
2/1/2017 12:45	16.08	103.4	15.22	3.416	30.02	0
2/1/2017 13:00	18.19	99.8	17.28	3.442	29.99	0
2/1/2017 13:15	15.3	102.5	15.09	3.628	29.99	0
2/1/2017 13:30	14.45	92.1	19.13	3.75	29.99	0
2/1/2017 13:45	17.92	91.2	17.89	3.817	29.99	0
2/1/2017 14:00	17.78	95.1	17.78	3.845	29.95	0
2/1/2017 14:15	17.57	99.8	17.15	3.801	29.95	0
2/1/2017 14:30	17.89	111.6	12.4	3.816	29.95	0
2/1/2017 14:45	18.96	108.7	15.28	3.797	29.95	0
2/1/2017 15:00	16.48	104	13.71	3.74	29.93	0
2/1/2017 15:15	16.7	103.5	13.81	3.734	29.93	0
2/1/2017 15:30	13.64	100.1	16.38	3.577	29.93	0
2/1/2017 15:45	14.67	96	16.38	3.53	29.93	0
2/1/2017 16:00	13.92	92.9	16.9	3.545	29.93	0
2/1/2017 16:15	13.35	94.6	15.48	3.347	29.93	0
2/1/2017 16:30	14.12	96.6	13.72	3.157	29.93	0
2/1/2017 16:45	14.82	98.1	15.95	3.031	29.93	0
2/1/2017 17:00	12.81	91	15.43	2.818	29.93	0
2/1/2017 17:15	12.88	92.7	17.13	2.614	29.93	0
2/1/2017 17:30	15.76	98.7	16.55	2.465	29.93	0
2/1/2017 17:45	15.88	97.4	15.53	2.31	29.93	0
2/1/2017 18:00	16.06	99.7	14.84	2.069	29.93	0
2/1/2017 18:15	16.3	100.9	16.19	1.985	29.93	0
2/1/2017 18:30	16.4	97.1	14.13	1.878	29.93	0
2/1/2017 18:45	13.69	104.1	16.07	1.673	29.93	0
2/1/2017 19:00	13.31	101	16.49	1.617	29.96	0
2/1/2017 19:15	12.49	102.3	14.72	1.56	29.96	0
2/1/2017 19:30	13.28	102.1	14.86	1.496	29.96	0
2/1/2017 19:45	15.78	99.1	15.47	1.511	29.96	0
2/1/2017 20:00	16.14	98.7	14.38	1.431	29.95	0
2/1/2017 20:15	15.01	96.2	16.29	1.409	29.95	0
2/1/2017 20:30	12.86	99.3	16.37	1.257	29.95	0
2/1/2017 20:45	12.79	94.9	18.4	1.281	29.95	0
2/1/2017 21:00	11.96	92.6	18.02	1.307	29.93	0
2/1/2017 21:15	12.63	104	17.74	1.293	29.93	0
2/1/2017 21:30	15.05	98.7	14.85	1.38	29.93	0
2/1/2017 21:45	14.73	105.4	16.16	1.313	29.93	0
2/1/2017 22:00	14.44	109.2	16.76	1.356	29.93	0
2/1/2017 22:15	17.17	109.4	15.14	1.435	29.93	0
2/1/2017 22:30	15.09	112.7	14.63	1.388	29.93	0
2/1/2017 22:45	17.26	107	16.28	1.435	29.93	0
2/1/2017 23:00	16.64	108.3	18.24	1.45	29.92	0
2/1/2017 23:15	15.31	103.7	18.14	1.425	29.92	0
2/1/2017 23:30	17.84	106.4	17.55	1.505	29.92	0
2/1/2017 23:45	17.65	103.2	16.71	1.54	29.92	0
2/2/2017 0:00	15.7	99.2	18.03	1.528	29.91	0
2/2/2017 0:15	13.94	98.8	21.76	1.504	29.91	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/2017 0:30	16.13	100.4	19.67	1.621	29.91	0
2/2/2017 0:45	15.45	101.5	19.01	1.605	29.91	0
2/2/2017 1:00	13.45	97.6	20.78	1.512	29.91	0
2/2/2017 1:15	15.07	102.7	17.83	1.465	29.91	0
2/2/2017 1:30	14.34	104.6	18.76	1.356	29.91	0
2/2/2017 1:45	14.08	106.9	16.84	1.376	29.91	0
2/2/2017 2:00	14.16	106.9	16.04	1.33	29.89	0
2/2/2017 2:15	14.87	108.3	13.98	1.305	29.89	0
2/2/2017 2:30	11.74	108.4	18.05	1.21	29.89	0
2/2/2017 2:45	13.22	109.9	16.6	1.284	29.89	0
2/2/2017 3:00	9.9	112.3	18.48	1.107	29.89	0
2/2/2017 3:15	8.89	116.8	19.46	1.004	29.89	0
2/2/2017 3:30	6.67	125.4	18.8	0.808	29.89	0
2/2/2017 3:45	2.007	108	19.47	0.682	29.89	0
2/2/2017 4:00	4.053	96.3	26.26	0.755	29.88	0
2/2/2017 4:15	3.554	82	21.3	0.756	29.88	0
2/2/2017 4:30	1.913	75.09	18.01	0.643	29.88	0
2/2/2017 4:45	0.844	69.9	1.722	0.409	29.88	0
2/2/2017 5:00	0.741	90.8	11.35	0.296	29.88	0
2/2/2017 5:15	2.601	145.4	12.56	0.395	29.88	0
2/2/2017 5:30	4.351	144.4	17.16	0.371	29.88	0
2/2/2017 5:45	1.502	150.7	52.44	0.311	29.88	0
2/2/2017 6:00	1.134	50.9	48.06	0.403	29.87	0
2/2/2017 6:15	5.023	67.03	20.41	0.178	29.87	0
2/2/2017 6:30	5.257	60.99	12.48	0.467	29.87	0
2/2/2017 6:45	4.677	62.18	21.05	0.553	29.87	0
2/2/2017 7:00	1.921	30.26	12.82	0.172	29.87	0
2/2/2017 7:15	2.246	34.32	83.2	0.073	29.87	0
2/2/2017 7:30	1.806	111.7	59.82	0.38	29.87	0
2/2/2017 7:45	1.691	131.5	90.2	0.331	29.87	0
2/2/2017 8:00	3.486	106.3	14.24	0.353	29.86	0
2/2/2017 8:15	5.023	82.5	22.29	0.407	29.86	0
2/2/2017 8:30	2.735	86.5	21.91	0.66	29.86	0
2/2/2017 8:45	2.607	62.9	19.05	0.979	29.86	0
2/2/2017 9:00	3.141	19.38	23.65	1.579	29.87	0
2/2/2017 9:15	3.732	35.62	24.25	1.751	29.87	0
2/2/2017 9:30	3.901	69.37	16.77	1.887	29.87	0
2/2/2017 9:45	6.371	98.4	20.1	2.166	29.87	0
2/2/2017 10:00	8.88	108.8	20.91	2.947	29.87	0
2/2/2017 10:15	8.03	98.2	15.74	3.249	29.87	0
2/2/2017 10:30	10.47	117.3	16.46	3.796	29.87	0
2/2/2017 10:45	11.23	125.5	17.44	4.098	29.87	0
2/2/2017 11:00	12.06	120.1	13.08	4.077	29.87	0
2/2/2017 11:15	11.88	120.8	15.51	3.945	29.87	0
2/2/2017 11:30	9.77	122.3	14.91	3.836	29.87	0
2/2/2017 11:45	10.92	122.2	15.31	3.864	29.87	0
2/2/2017 12:00	14.19	119.4	16.49	4.094	29.84	0
2/2/2017 12:15	12.57	121.6	15.61	4.521	29.84	0
2/2/2017 12:30	15.58	123.7	12.29	4.532	29.84	0
2/2/2017 12:45	16.26	130.6	10.2	4.581	29.84	0
2/2/2017 13:00	14.63	130.4	11.65	4.702	29.79	0
2/2/2017 13:15	14.31	132.2	11.55	4.64	29.79	0
2/2/2017 13:30	11.43	125.5	13.28	4.83	29.79	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/2017 13:45	13.38	124.1	13.63	4.93	29.79	0
2/2/2017 14:00	14.77	127.7	16.09	4.84	29.76	0
2/2/2017 14:15	12.61	115.6	17.13	5.163	29.76	0
2/2/2017 14:30	12.46	121.6	16.07	5.3	29.76	0
2/2/2017 14:45	10.08	131.2	17.86	5.473	29.76	0
2/2/2017 15:00	11.29	136.3	13.73	5.369	29.74	0
2/2/2017 15:15	12.43	130.3	14.55	4.919	29.74	0
2/2/2017 15:30	14.33	130.7	12.24	4.421	29.74	0
2/2/2017 15:45	12.56	125.5	14.26	4.198	29.74	0
2/2/2017 16:00	13.76	121	13.95	4.24	29.72	0
2/2/2017 16:15	16.12	124	13.36	4.137	29.72	0
2/2/2017 16:30	14.5	117.5	14.18	4.098	29.72	0
2/2/2017 16:45	14.9	117.5	14.05	3.903	29.72	0
2/2/2017 17:00	14.79	115.7	13.93	3.62	29.69	0
2/2/2017 17:15	15.51	123.9	13.73	3.262	29.69	0
2/2/2017 17:30	14.83	125.3	13.39	2.996	29.69	0
2/2/2017 17:45	16.09	120	14.13	2.872	29.69	0
2/2/2017 18:00	17.87	124.1	14.02	2.724	29.67	0
2/2/2017 18:15	17.21	124.6	13.82	2.565	29.67	0
2/2/2017 18:30	17.85	126.6	11.42	2.419	29.67	0
2/2/2017 18:45	19.85	123.2	13.53	2.304	29.67	0
2/2/2017 19:00	19.95	125.1	11.95	2.278	29.65	0
2/2/2017 19:15	17.77	121.9	13.27	2.392	29.65	0
2/2/2017 19:30	16.89	122.2	11.78	2.467	29.65	0
2/2/2017 19:45	16.23	128.7	13	2.487	29.65	0
2/2/2017 20:00	16.9	135	9.3	2.349	29.63	0
2/2/2017 20:15	17.17	137.6	10.07	2.507	29.63	0
2/2/2017 20:30	17.16	133.9	12.14	2.672	29.63	0
2/2/2017 20:45	17.83	132.3	11.17	2.661	29.63	0
2/2/2017 21:00	17.24	130.6	12.33	2.486	29.6	0
2/2/2017 21:15	17.29	131.3	12.39	2.499	29.6	0
2/2/2017 21:30	15.52	132.7	11.3	2.667	29.6	0
2/2/2017 21:45	18.56	132.6	12.05	2.513	29.6	0
2/2/2017 22:00	20.08	133.2	12.79	1.63	29.61	0
2/2/2017 22:15	20.19	129.4	10.95	0.021	29.61	0
2/2/2017 22:30	10.99	131.3	10.08	-1.209	29.61	0
2/2/2017 22:45	4.648	119.5	12.38	-1.042	29.61	0
2/2/2017 23:00	1.693	136.1	22.55	-0.698	29.55	0
2/2/2017 23:15	3.303	148.8	23.32	0.255	29.55	0
2/2/2017 23:30	4.855	135.1	20.16	0.807	29.55	0
2/2/2017 23:45	4.827	152.2	17.94	0.876	29.55	0
2/3/2017 0:00	6.836	126	18.55	0.865	29.5	0
2/3/2017 0:15	8.13	111	20.46	0.895	29.5	0
2/3/2017 0:30	9.24	110	21.18	1.05	29.5	0
2/3/2017 0:45	8.72	111.9	16.45	1.13	29.5	0
2/3/2017 1:00	10.36	117.8	15.04	1.64	29.42	0
2/3/2017 1:15	9.89	105.4	19.14	1.755	29.42	0
2/3/2017 1:30	8.34	124.4	20.77	1.817	29.42	0
2/3/2017 1:45	7.668	132.8	18.25	1.624	29.42	0
2/3/2017 2:00	7.664	120.2	17.24	1.075	29.37	0
2/3/2017 2:15	6.037	129.1	19.59	1.018	29.37	0
2/3/2017 2:30	6.183	137.1	20.33	1.42	29.37	0
2/3/2017 2:45	6.396	132.4	19.12	1.586	29.37	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/3/2017 3:00	3.499	110.1	24.4	1.494	29.33	0
2/3/2017 3:15	3.982	19.76	67.86	1.127	29.33	0
2/3/2017 3:30	3.163	291.4	39.23	0.744	29.33	0
2/3/2017 3:45	6.615	153.4	20.79	1.426	29.33	0
2/3/2017 4:00	6.388	123.4	12.86	0.931	29.3	0
2/3/2017 4:15	9.89	124.4	14.43	0.952	29.3	0
2/3/2017 4:30	13.63	138.1	16.18	1.548	29.3	0
2/3/2017 4:45	17.09	151	10.45	1.662	29.3	0
2/3/2017 5:00	17.1	152.2	11.28	1.783	29.27	0
2/3/2017 5:15	16.82	152.5	11.89	1.798	29.27	0
2/3/2017 5:30	14.77	146.1	14.28	1.788	29.27	0
2/3/2017 5:45	15.82	136.2	9.52	1.134	29.27	0
2/3/2017 6:00	13.68	134.4	11.15	0.517	29.23	0
2/3/2017 6:15	12.29	126.8	14.5	0.29	29.23	0
2/3/2017 6:30	10.04	126.2	14	0.145	29.23	0.01
2/3/2017 6:45	7.55	120.6	15.48	0.133	29.23	0
2/3/2017 7:00	6.645	123.3	17.91	0.39	29.17	0
2/3/2017 7:15	7.421	180.4	20.42	0.43	29.17	0
2/3/2017 7:30	5.834	173.2	20.47	0.296	29.17	0
2/3/2017 7:45	6.074	144.8	17.83	0.33	29.17	0
2/3/2017 8:00	7.004	125.2	17.74	0.268	29.16	0
2/3/2017 8:15	4.466	131.9	19.57	0.124	29.16	0.01
2/3/2017 8:30	4.462	115.1	26.58	-0.092	29.16	0
2/3/2017 8:45	4.011	81.2	32.28	0.016	29.16	0
2/3/2017 9:00	5.935	110.6	19.36	0.289	29.12	0
2/3/2017 9:15	2.507	68.38	41.45	0.309	29.12	0
2/3/2017 9:30	4.805	107.3	49.71	0.645	29.12	0
2/3/2017 9:45	5.074	82.4	20.41	0.594	29.12	0
2/3/2017 10:00	2.912	35.81	39.42	0.725	29.11	0
2/3/2017 10:15	4.077	56.96	20.66	0.865	29.11	0.01
2/3/2017 10:30	5.414	62.58	21.76	1.127	29.11	0
2/3/2017 10:45	7.042	93.6	19.47	1.796	29.11	0
2/3/2017 11:00	5.849	112.6	19.33	2.041	29.06	0.03
2/3/2017 11:15	4.759	97.1	28.13	2.582	29.06	0
2/3/2017 11:30	3.6	90.9	30.68	2.986	29.06	0.01
2/3/2017 11:45	12.74	130.5	15.14	3.293	29.06	0
2/3/2017 12:00	10.44	134.6	13.12	3.548	29.02	0
2/3/2017 12:15	10.31	127.5	16.47	2.628	29.02	0.02
2/3/2017 12:30	7.318	103.7	16.95	1.872	29.02	0.02
2/3/2017 12:45	6.321	105.4	21.84	1.678	29.02	0.02
2/3/2017 13:00	6.98	109.3	12.3	1.351	28.97	0.01
2/3/2017 13:15	6.047	116.9	15.55	1.252	28.97	0.03
2/3/2017 13:30	8.21	121.2	10.88	1.38	28.97	0.01
2/3/2017 13:45	6.822	124.8	12.27	1.34	28.97	0.01
2/3/2017 14:00	7.934	134.8	9.65	1.562	28.94	0.02
2/3/2017 14:15	6.645	109.3	19.08	1.466	28.94	0.03
2/3/2017 14:30	7.544	129.6	26.25	1.363	28.94	0.02
2/3/2017 14:45	5.492	106.1	27.7	1.599	28.94	0.02
2/3/2017 15:00	5.547	121.9	35.37	1.483	28.91	0.02
2/3/2017 15:15	4.702	115.8	28.14	1.745	28.91	0.02
2/3/2017 15:30	3.506	101.3	31.66	1.902	28.91	0.02
2/3/2017 15:45	9.7	116.3	23.48	2.148	28.91	0.01
2/3/2017 16:00	17.84	129.1	11.57	2.619	28.9	0.03

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/3/2017 16:15	18.29	131.3	10.15	2.793	28.9	0.02
2/3/2017 16:30	18.06	131.1	10.02	3.023	28.9	0.03
2/3/2017 16:45	16.4	130.9	8.86	3.317	28.9	0.03
2/3/2017 17:00	16.88	133.1	10.06	3.025	28.9	0.03
2/3/2017 17:15	19.24	136.1	10.46	2.9	28.9	0
2/3/2017 17:30	18.09	138.1	9.3	2.548	28.9	0
2/3/2017 17:45	17.6	135.2	9.63	2.92	28.9	0
2/3/2017 18:00	16.02	137.1	9.86	2.93	28.91	0
2/3/2017 18:15	16.19	131.6	8.68	3.439	28.91	0
2/3/2017 18:30	13.79	128.3	11.38	3.57	28.91	0
2/3/2017 18:45	10.04	112.2	15.77	3.092	28.91	0
2/3/2017 19:00	9.28	122.5	14.77	2.931	28.91	0
2/3/2017 19:15	9.69	129.8	12.36	2.658	28.91	0
2/3/2017 19:30	9.81	129.3	15.91	2.646	28.91	0.01
2/3/2017 19:45	6.475	98.8	23.72	2.481	28.91	0
2/3/2017 20:00	9.1	125.3	14.15	2.288	28.92	0.01
2/3/2017 20:15	10.41	119.9	12.97	2.049	28.92	0.01
2/3/2017 20:30	9.06	120.7	16.5	2.219	28.92	0.01
2/3/2017 20:45	7.397	118.9	19.23	2.069	28.92	0.01
2/3/2017 21:00	7.986	167.6	21.05	2.188	28.94	0.01
2/3/2017 21:15	5.362	136.1	20.88	1.682	28.94	0
2/3/2017 21:30	5.218	138.8	32.32	1.888	28.94	0
2/3/2017 21:45	8.45	135.6	18.39	2.184	28.94	0.01
2/3/2017 22:00	5.451	108	20.3	2.317	28.96	0.02
2/3/2017 22:15	8.2	152.7	12.37	2.713	28.96	0
2/3/2017 22:30	6.409	153.6	23.95	2.108	28.96	0
2/3/2017 22:45	6.364	149.8	25.79	2.237	28.96	0.01
2/3/2017 23:00	9.35	138.7	11.11	2.36	29	0.01
2/3/2017 23:15	11.31	139.3	9.76	2.437	29	0.02
2/3/2017 23:30	12.23	145.7	11.68	2.417	29	0
2/3/2017 23:45	12.24	141.2	11.8	2.638	29	0.02
2/4/2017 0:00	11.56	143.3	9.59	2.723	29.04	0.02
2/4/2017 0:15	13.64	138.3	10.37	2.738	29.04	0
2/4/2017 0:30	11.68	141.2	11.53	3.008	29.04	0
2/4/2017 0:45	10.89	143.1	9.91	3.134	29.04	0
2/4/2017 1:00	10.79	147.1	16.5	3.405	29.08	0
2/4/2017 1:15	8.94	147.4	16.3	3.3	29.08	0.02
2/4/2017 1:30	8.91	144.7	14.93	3.877	29.08	0
2/4/2017 1:45	7.816	142.5	10.54	4.401	29.08	0
2/4/2017 2:00	8.02	142.1	8.54	4.635	29.08	0
2/4/2017 2:15	9.3	139.3	8.89	4.578	29.08	0.02
2/4/2017 2:30	9.08	143.1	8.31	4.484	29.08	0.02
2/4/2017 2:45	6.978	140.8	9.22	4.634	29.08	0.01
2/4/2017 3:00	6.82	169.8	21.88	3.831	29.09	0.01
2/4/2017 3:15	7.522	172.6	22.65	3.123	29.09	0.01
2/4/2017 3:30	8.21	161.2	13.53	3.588	29.09	0.03
2/4/2017 3:45	7.996	145.1	10.04	3.79	29.09	0.02
2/4/2017 4:00	8.39	158.3	24.56	3.866	29.12	0
2/4/2017 4:15	8.25	161.1	14.37	3.668	29.12	0
2/4/2017 4:30	9.78	138.6	10.39	3.883	29.12	0.02
2/4/2017 4:45	10.11	141.4	7.995	4.548	29.12	0
2/4/2017 5:00	9.59	146.7	8.75	4.783	29.14	0
2/4/2017 5:15	8.63	152.5	8.65	4.881	29.14	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/4/2017 5:30	7.954	157.8	10.34	4.729	29.14	0.01
2/4/2017 5:45	8.31	154.6	6.826	4.866	29.14	0.01
2/4/2017 6:00	7.609	147.3	8.74	4.969	29.16	0
2/4/2017 6:15	7.586	147.2	9.52	5.063	29.16	0
2/4/2017 6:30	7.241	153.8	8	5.113	29.16	0.02
2/4/2017 6:45	6.734	167.8	10.25	4.851	29.16	0.01
2/4/2017 7:00	7.151	154.3	14.89	4.752	29.2	0.02
2/4/2017 7:15	8.08	137.9	7.548	5.004	29.2	0
2/4/2017 7:30	8.32	142.5	9.75	5.12	29.2	0
2/4/2017 7:45	8.75	149.1	9.12	5.312	29.2	0
2/4/2017 8:00	9.81	157.9	11.04	5.358	29.23	0
2/4/2017 8:15	8.81	157.8	10.28	5.101	29.23	0.02
2/4/2017 8:30	8.12	157.4	7.408	5.037	29.23	0.01
2/4/2017 8:45	7.844	158.6	7.774	4.917	29.23	0
2/4/2017 9:00	8.35	145.9	8.69	5.11	29.25	0
2/4/2017 9:15	7.568	150.9	11.34	5.373	29.25	0.01
2/4/2017 9:30	5.558	205.1	46.81	5.313	29.25	0.02
2/4/2017 9:45	5.563	236.2	20.48	4.734	29.25	0.03
2/4/2017 10:00	6.011	194.1	17.31	4.741	29.29	0.02
2/4/2017 10:15	3.621	188.4	13.99	4.56	29.29	0.01
2/4/2017 10:30	4.263	181.8	12.48	4.796	29.29	0.01
2/4/2017 10:45	3.482	159.9	13.72	4.721	29.29	0.01
2/4/2017 11:00	3.293	120.3	12.35	4.992	29.3	0
2/4/2017 11:15	4.411	114.3	13.5	5.134	29.3	0.01
2/4/2017 11:30	5.6	127.9	7.296	5.242	29.3	0.01
2/4/2017 11:45	5.35	128.9	10.55	5.66	29.3	0
2/4/2017 12:00	4.176	126.5	12.72	6.229	29.26	0
2/4/2017 12:15	3.431	115.2	10.24	6.537	29.26	0
2/4/2017 12:30	4.084	111.3	7.541	6.866	29.26	0
2/4/2017 12:45	2.457	99.4	15.65	7.066	29.26	0
2/4/2017 13:00	3.025	148.5	50.44	7.038	29.21	0.01
2/4/2017 13:15	2.75	181	34.33	7.104	29.21	0
2/4/2017 13:30	5.09	151.4	28.25	6.808	29.21	0.01
2/4/2017 13:45	7.7	163.7	31.83	6.369	29.21	0.01
2/4/2017 14:00	7.131	165.6	19.95	5.915	29.2	0.02
2/4/2017 14:15	5.024	153.4	11.87	5.87	29.2	0.01
2/4/2017 14:30	4.771	188.4	16.71	5.514	29.2	0.04
2/4/2017 14:45	4.989	219.6	20.44	5.223	29.2	0.03
2/4/2017 15:00	5.197	205.4	22.45	4.891	29.21	0.02
2/4/2017 15:15	2.519	155.5	15.08	5.082	29.21	0.01
2/4/2017 15:30	2.15	186.5	35.78	5.279	29.21	0.01
2/4/2017 15:45	2.102	239.8	14.48	5.418	29.21	0.02
2/4/2017 16:00	0.251	326.4	5.63	5.346	29.21	0.02
2/4/2017 16:15	0.432	54.78	21.43	5.341	29.21	0.05
2/4/2017 16:30	4.345	219.1	53.45	5.432	29.21	0.05
2/4/2017 16:45	4.814	168	13.02	5.42	29.21	0.01
2/4/2017 17:00	5.952	192.2	8.34	5.352	29.22	0.02
2/4/2017 17:15	6.288	186.5	14.91	5.308	29.22	0.01
2/4/2017 17:30	4.749	140.8	29.54	5.238	29.22	0
2/4/2017 17:45	4.78	143.4	17.08	5.112	29.22	0.01
2/4/2017 18:00	6.232	154	7.917	5.038	29.21	0.01
2/4/2017 18:15	7.969	154.1	7.047	5.02	29.21	0.01
2/4/2017 18:30	7.962	148.2	7.709	4.864	29.21	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/4/2017 18:45	7.871	140.5	10.45	4.615	29.21	0.01
2/4/2017 19:00	7.594	129.6	9.97	4.485	29.2	0.01
2/4/2017 19:15	6.171	140.7	10.32	4.541	29.2	0
2/4/2017 19:30	6.522	150.9	8.9	4.647	29.2	0
2/4/2017 19:45	6.503	167.2	19.25	4.651	29.2	0.04
2/4/2017 20:00	12.8	218.7	17.61	4.981	29.23	0.04
2/4/2017 20:15	19.82	224.1	8.55	4.943	29.23	0.03
2/4/2017 20:30	12.54	203.2	13.3	4.714	29.23	0.01
2/4/2017 20:45	10.83	170.3	11.02	4.618	29.23	0
2/4/2017 21:00	11.71	164.6	7.325	4.549	29.25	0
2/4/2017 21:15	11.72	156.1	6.443	4.532	29.25	0.01
2/4/2017 21:30	10.61	158.9	7.682	4.579	29.25	0
2/4/2017 21:45	10.42	160.8	9.98	4.72	29.25	0
2/4/2017 22:00	12.36	163.2	6.436	4.804	29.24	0
2/4/2017 22:15	12.32	163.8	6.518	4.771	29.24	0
2/4/2017 22:30	9.55	170.9	8.18	4.745	29.24	0
2/4/2017 22:45	7.84	176	11.23	4.651	29.24	0
2/4/2017 23:00	7.239	180.1	12.93	4.554	29.24	0.02
2/4/2017 23:15	7.393	214.2	8.28	4.517	29.24	0.02
2/4/2017 23:30	8.6	203.7	17.14	4.411	29.24	0.02
2/4/2017 23:45	13.1	205.6	9.6	4.463	29.24	0.01
2/5/2017 0:00	14.74	200.6	13.7	4.419	29.23	0.01
2/5/2017 0:15	12.96	199.9	8.75	4.433	29.23	0
2/5/2017 0:30	13.8	207.1	8.5	4.473	29.23	0.01
2/5/2017 0:45	14.02	207	7.747	4.355	29.23	0
2/5/2017 1:00	10.79	224.8	9.04	4.214	29.25	0.02
2/5/2017 1:15	13.34	252.2	10.32	3.636	29.25	0.04
2/5/2017 1:30	11.27	250.1	8.97	2.703	29.25	0.02
2/5/2017 1:45	8.69	231.3	9.36	2.612	29.25	0.01
2/5/2017 2:00	9.4	234.2	9.15	2.7	29.28	0.01
2/5/2017 2:15	7.146	222.2	13.38	2.635	29.28	0
2/5/2017 2:30	8.54	224.4	10.17	2.522	29.28	0.02
2/5/2017 2:45	8.43	210.4	13.31	2.22	29.28	0
2/5/2017 3:00	9.63	231.4	14.48	2.217	29.29	0.01
2/5/2017 3:15	9.94	212.3	11.52	2.098	29.29	0.01
2/5/2017 3:30	6.511	180.2	13.31	1.838	29.29	0
2/5/2017 3:45	5.592	130.5	6.192	1.642	29.29	0
2/5/2017 4:00	6.885	141.3	7.541	1.51	29.28	0
2/5/2017 4:15	7.42	136.5	7.669	1.26	29.28	0.01
2/5/2017 4:30	7.132	140.5	8.17	1.238	29.28	0
2/5/2017 4:45	6.623	140.5	8.09	1.315	29.28	0
2/5/2017 5:00	7.169	142.3	8.07	1.326	29.27	0
2/5/2017 5:15	6.807	136.3	8.58	1.325	29.27	0
2/5/2017 5:30	7.236	145.5	8.97	1.256	29.27	0
2/5/2017 5:45	7.494	144.1	9.43	1.241	29.27	0
2/5/2017 6:00	8.44	149.5	9.2	1.269	29.26	0.01
2/5/2017 6:15	9.51	152	6.532	1.164	29.26	0
2/5/2017 6:30	10.29	151	6.906	1.051	29.26	0.01
2/5/2017 6:45	10.44	139.6	8.38	0.91	29.26	0
2/5/2017 7:00	7.078	131.4	10.38	0.786	29.26	0
2/5/2017 7:15	8.74	143.8	11.75	0.835	29.26	0
2/5/2017 7:30	8.44	149.5	8.91	0.803	29.26	0.01
2/5/2017 7:45	8.14	150.9	8.59	0.638	29.26	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/2017 8:00	6.764	149.6	8.92	0.471	29.26	0
2/5/2017 8:15	6.027	145.4	5.834	0.354	29.26	0
2/5/2017 8:30	6.032	147.7	6.547	0.283	29.26	0
2/5/2017 8:45	5.545	140.5	7.874	0.251	29.26	0
2/5/2017 9:00	4.635	139.2	7.988	0.258	29.23	0
2/5/2017 9:15	4.214	136.3	6.733	0.254	29.23	0
2/5/2017 9:30	5.511	166.1	14.08	0.342	29.23	0
2/5/2017 9:45	6.177	181.5	12.42	0.447	29.23	0
2/5/2017 10:00	5.246	198.3	6.013	0.41	29.24	0
2/5/2017 10:15	4.17	169	13.66	0.401	29.24	0.01
2/5/2017 10:30	4.404	159.3	5.521	0.456	29.24	0.01
2/5/2017 10:45	3.672	143.5	8.17	0.656	29.24	0.01
2/5/2017 11:00	3.47	135.8	6.492	0.857	29.21	0.01
2/5/2017 11:15	2.712	145.6	18.63	1.021	29.21	0.01
2/5/2017 11:30	3.082	188.3	23.14	1.171	29.21	0.01
2/5/2017 11:45	2.285	191.6	19.1	1.197	29.21	0.02
2/5/2017 12:00	1.351	126	28.83	1.145	29.18	0.01
2/5/2017 12:15	0.198	57.39	8.03	1.067	29.18	0.01
2/5/2017 12:30	2.795	9.03	16.72	0.902	29.18	0.01
2/5/2017 12:45	2.734	351.2	0.753	0.836	29.18	0.01
2/5/2017 13:00	2.809	24.34	15.32	0.852	29.12	0
2/5/2017 13:15	1.912	37.48	3.983	1.023	29.12	0.01
2/5/2017 13:30	2.929	7.083	15.76	1.068	29.12	0.01
2/5/2017 13:45	3.805	359.5	9.72	0.929	29.12	0.01
2/5/2017 14:00	1.504	353.6	0.692	1.002	29.05	0.01
2/5/2017 14:15	0.461	358.8	9.2	1.057	29.05	0
2/5/2017 14:30	2.003	9.8	12.82	1.11	29.05	0.01
2/5/2017 14:45	0.843	6.168	0.054	1.097	29.05	0.01
2/5/2017 15:00	4.063	28.1	19.96	1.127	29	0.01
2/5/2017 15:15	6.878	34.71	10.54	1.044	29	0.02
2/5/2017 15:30	8.31	29.14	8.17	0.901	29	0.01
2/5/2017 15:45	7.252	26.46	9.91	0.811	29	0.01
2/5/2017 16:00	7.039	29.12	7.677	0.579	28.96	0
2/5/2017 16:15	8.28	30.9	9.27	0.495	28.96	0.01
2/5/2017 16:30	9.31	29.4	9.73	0.485	28.96	0.01
2/5/2017 16:45	7.329	31.74	10.38	0.429	28.96	0
2/5/2017 17:00	9.01	30.2	7.352	0.482	28.91	0.01
2/5/2017 17:15	6.473	27.59	7.174	0.277	28.91	0
2/5/2017 17:30	5.093	37.54	4.811	0.081	28.91	0
2/5/2017 17:45	7.43	27.25	6.974	0.08	28.91	0.01
2/5/2017 18:00	9.85	30.6	7.57	0.129	28.85	0
2/5/2017 18:15	9.2	28.63	8.84	0.164	28.85	0
2/5/2017 18:30	7.577	30.91	11	0.137	28.85	0
2/5/2017 18:45	7.504	32.13	10.73	0.101	28.85	0
2/5/2017 19:00	6.329	34.28	8.12	0.067	28.81	0
2/5/2017 19:15	4.956	29.36	8.8	0.046	28.81	0
2/5/2017 19:30	3.574	36.14	7.906	0.021	28.81	0.01
2/5/2017 19:45	2.519	30.29	4.543	0.036	28.81	0
2/5/2017 20:00	1.913	32.01	3.259	0.053	28.75	0
2/5/2017 20:15	0.777	22.67	0.588	0.061	28.75	0
2/5/2017 20:30	2.118	33.99	6.777	0.028	28.75	0.01
2/5/2017 20:45	0.88	40.95	0.154	0.042	28.75	0
2/5/2017 21:00	0	0	0	0.043	28.7	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/2017 21:15	0	0	0	0.05	28.7	0
2/5/2017 21:30	0	0	0	0.028	28.7	0
2/5/2017 21:45	0	0	0	-0.048	28.7	0
2/5/2017 22:00	0	0	0	-0.136	28.66	0
2/5/2017 22:15	0	0	0	-0.08	28.66	0
2/5/2017 22:30	0	0	0	-0.096	28.66	0
2/5/2017 22:45	0	0	0	-0.195	28.66	0
2/5/2017 23:00	0	0	0	-0.315	28.65	0
2/5/2017 23:15	0	0	0	-0.407	28.65	0
2/5/2017 23:30	0	0	0	-0.331	28.65	0
2/5/2017 23:45	0	0	0	-0.282	28.65	0
2/6/2017 0:00	0	0	0	-0.325	28.66	0
2/6/2017 0:15	0	0	0	-0.236	28.66	0
2/6/2017 0:30	0	0	0	-0.177	28.66	0
2/6/2017 0:45	0	0	0	-0.153	28.66	0
2/6/2017 1:00	0	0	0	-0.12	28.71	0
2/6/2017 1:15	0	0	0	-0.043	28.71	0
2/6/2017 1:30	0	0	0	-0.235	28.71	0
2/6/2017 1:45	0	0	0	-0.287	28.71	0
2/6/2017 2:00	0	0	0	-0.27	28.78	0
2/6/2017 2:15	0	0	0	-0.377	28.78	0
2/6/2017 2:30	0	0	0	-0.511	28.78	0
2/6/2017 2:45	0	0	0	-0.604	28.78	0
2/6/2017 3:00	0	0	0	-0.712	28.81	0
2/6/2017 3:15	0	0	0	-0.63	28.81	0
2/6/2017 3:30	0	0	0	-0.64	28.81	0
2/6/2017 3:45	0	0	0	-0.911	28.81	0
2/6/2017 4:00	0	0	0	-0.902	28.84	0
2/6/2017 4:15	0	0	0	-0.958	28.84	0
2/6/2017 4:30	0	0	0	-0.932	28.84	0
2/6/2017 4:45	0	0	0	-0.974	28.84	0
2/6/2017 5:00	0	0	0	-0.918	28.87	0
2/6/2017 5:15	0	0	0	-1.101	28.87	0
2/6/2017 5:30	0	0	0	-1.29	28.87	0
2/6/2017 5:45	0	0	0	-1.224	28.87	0
2/6/2017 6:00	0	0	0	-1.255	28.88	0
2/6/2017 6:15	0	0	0	-1.305	28.88	0
2/6/2017 6:30	0	0	0	-1.282	28.88	0
2/6/2017 6:45	0	0	0	-1.235	28.88	0
2/6/2017 7:00	0	0	0	-1.168	28.9	0
2/6/2017 7:15	0	0	0	-1.034	28.9	0
2/6/2017 7:30	0	0	0	-0.59	28.9	0
2/6/2017 7:45	0	0	0	-0.257	28.9	0
2/6/2017 8:00	0	0	0	-0.089	28.93	0
2/6/2017 8:15	0	0	0	-0.016	28.93	0
2/6/2017 8:30	0	0	0	0.074	28.93	0
2/6/2017 8:45	0	0	0	0.119	28.93	0
2/6/2017 9:00	0	0	0	0.169	28.95	0
2/6/2017 9:15	0	0	0	0.217	28.95	0
2/6/2017 9:30	0	0	0	0.287	28.95	0
2/6/2017 9:45	0	0	0	0.345	28.95	0
2/6/2017 10:00	4.981	138.1	7.513	0.423	28.97	0
2/6/2017 10:15	5.346	141.9	9.65	0.526	28.97	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/6/2017 10:30	3.923	139.9	24.64	0.729	28.97	0
2/6/2017 10:45	4.697	172.1	16.8	0.891	28.97	0
2/6/2017 11:00	5.084	151.6	5.745	0.733	29	0
2/6/2017 11:15	5.636	152.7	10.43	0.69	29	0.01
2/6/2017 11:30	5.78	155.2	17.89	0.565	29	0
2/6/2017 11:45	4.447	169.4	9.62	0.646	29	0
2/6/2017 12:00	5.359	158.8	7.519	0.782	29.02	0
2/6/2017 12:15	4.94	159.7	6.865	0.75	29.02	0
2/6/2017 12:30	3.942	141.5	6.339	0.518	29.02	0
2/6/2017 12:45	3.848	146	14.51	0.396	29.02	0
2/6/2017 13:00	5.532	157.4	6.37	0.49	29.03	0
2/6/2017 13:15	4.065	188.4	13.76	0.376	29.03	0
2/6/2017 13:30	3.833	207.9	4.055	0.273	29.03	0
2/6/2017 13:45	4.253	206.7	9.78	0.322	29.03	0
2/6/2017 14:00	7.371	188.6	10.42	0.539	29.08	0
2/6/2017 14:15	10.47	193.3	10.29	0.577	29.08	0
2/6/2017 14:30	10.89	182.5	10.82	0.853	29.08	0
2/6/2017 14:45	9.82	174.7	12.25	1.026	29.08	0
2/6/2017 15:00	11.55	168.2	8.91	1.239	29.12	0
2/6/2017 15:15	10.94	173	10.34	1.422	29.12	0
2/6/2017 15:30	11.72	172.1	8.5	1.482	29.12	0
2/6/2017 15:45	10.17	176.7	6.99	1.461	29.12	0
2/6/2017 16:00	9.92	168.6	8.96	1.519	29.17	0
2/6/2017 16:15	10.53	165.8	7.197	1.482	29.17	0
2/6/2017 16:30	10.79	164.1	7.438	1.387	29.17	0
2/6/2017 16:45	8.15	159.5	6.522	1.315	29.17	0
2/6/2017 17:00	7.199	151.1	8.38	1.25	29.19	0
2/6/2017 17:15	8.86	160.4	9.24	1.3	29.19	0
2/6/2017 17:30	9.76	166.9	9.01	1.418	29.19	0
2/6/2017 17:45	7.746	155.3	7.479	1.386	29.19	0
2/6/2017 18:00	9.29	159.6	6.168	1.419	29.23	0.01
2/6/2017 18:15	11.48	162.5	7.12	1.467	29.23	0
2/6/2017 18:30	9.92	165	6.663	1.377	29.23	0
2/6/2017 18:45	11.75	169	6.405	1.327	29.23	0.01
2/6/2017 19:00	11.48	177.5	6.395	1.334	29.25	0.01
2/6/2017 19:15	11.71	177.1	6.483	1.336	29.25	0.01
2/6/2017 19:30	10.87	174.5	7.807	1.398	29.25	0
2/6/2017 19:45	9.19	170.5	7.009	1.381	29.25	0.01
2/6/2017 20:00	9.54	171.3	5.664	1.281	29.27	0
2/6/2017 20:15	9.16	175.2	7.898	1.426	29.27	0.01
2/6/2017 20:30	7.86	179	7.029	1.448	29.27	0
2/6/2017 20:45	8.59	175	7.363	1.497	29.27	0
2/6/2017 21:00	8.32	163.9	7.472	1.466	29.3	0
2/6/2017 21:15	9.11	170.9	5.644	1.56	29.3	0.01
2/6/2017 21:30	8.87	174.6	6.835	1.398	29.3	0
2/6/2017 21:45	6.939	163	9.39	1.159	29.3	0
2/6/2017 22:00	6.957	167.8	14.97	1.045	29.34	0
2/6/2017 22:15	8.24	160.8	9.88	0.629	29.34	0.01
2/6/2017 22:30	7.43	153.1	10.46	0.529	29.34	0
2/6/2017 22:45	6.119	155.6	8.42	0.542	29.34	0
2/6/2017 23:00	4.621	159.4	5.892	0.59	29.36	0
2/6/2017 23:15	4.331	161.5	7.116	0.646	29.36	0
2/6/2017 23:30	4.25	150.6	8.95	0.627	29.36	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/6/2017 23:45	5.827	146.9	9.6	0.751	29.36	0
2/7/2017 0:00	5.955	145.8	15.41	0.853	29.35	0
2/7/2017 0:15	4.941	118.8	10.14	0.494	29.35	0
2/7/2017 0:30	4.902	104.6	8.57	0.622	29.35	0
2/7/2017 0:45	4.547	115.8	11.09	0.867	29.35	0
2/7/2017 1:00	3.835	124.1	6.001	1.139	29.35	0
2/7/2017 1:15	2.116	111.2	6.113	0.861	29.35	0
2/7/2017 1:30	2.516	102.8	7.141	0.605	29.35	0
2/7/2017 1:45	4.29	112.7	3.878	0.843	29.35	0
2/7/2017 2:00	4.642	124.1	6.383	0.741	29.33	0
2/7/2017 2:15	4.729	107.2	6.289	0.894	29.33	0
2/7/2017 2:30	4.303	99.5	8.64	0.513	29.33	0
2/7/2017 2:45	5.178	67.96	8.77	0.243	29.33	0
2/7/2017 3:00	5.343	53.38	3.708	0.374	29.29	0
2/7/2017 3:15	3.978	64.25	12.08	0.308	29.29	0
2/7/2017 3:30	4.875	67.86	4.899	0.575	29.29	0
2/7/2017 3:45	4.362	51.77	4.71	0.249	29.29	0
2/7/2017 4:00	2.962	123.8	59.26	0.048	29.26	0
2/7/2017 4:15	0.874	121.2	2.737	0.562	29.26	0
2/7/2017 4:30	1.862	74.57	22.55	0.392	29.26	0
2/7/2017 4:45	2.506	56.42	9.94	-0.502	29.26	0
2/7/2017 5:00	3.885	40.8	0.954	-0.305	29.23	0
2/7/2017 5:15	2.11	50.15	7.916	-0.56	29.23	0
2/7/2017 5:30	2.699	61.43	11.97	-0.469	29.23	0
2/7/2017 5:45	3.857	22.32	9.62	-0.716	29.23	0
2/7/2017 6:00	6.03	26.32	5.393	-1.178	29.18	0
2/7/2017 6:15	6.335	26.51	6.511	-1.423	29.18	0
2/7/2017 6:30	6.924	28.92	8.24	-1.454	29.18	0
2/7/2017 6:45	6.206	33.02	8.11	-1.342	29.18	0
2/7/2017 7:00	5.515	21.64	16.12	-1.091	29.16	0
2/7/2017 7:15	4.766	33.36	19.86	-1.439	29.16	0
2/7/2017 7:30	4.732	37.21	22.59	-1.583	29.16	0
2/7/2017 7:45	3.235	48.09	20.04	-1.328	29.16	0
2/7/2017 8:00	4.783	30.59	17.67	-1.397	29.14	0
2/7/2017 8:15	4.895	30.18	18.07	-1.431	29.14	0
2/7/2017 8:30	4.415	18.47	17.73	-1.403	29.14	0
2/7/2017 8:45	7.147	29.45	9.84	-0.843	29.14	0
2/7/2017 9:00	6.74	26.13	6.224	-0.502	29.16	0
2/7/2017 9:15	6.66	27.02	7.759	-0.542	29.16	0
2/7/2017 9:30	5.478	29.01	7.43	-0.28	29.16	0
2/7/2017 9:45	4.369	22.93	7.776	-0.127	29.16	0
2/7/2017 10:00	3.502	28.58	14.84	-0.111	29.18	0
2/7/2017 10:15	4.337	34.17	22.7	-0.149	29.18	0
2/7/2017 10:30	2.87	9.54	12.67	0.293	29.18	0
2/7/2017 10:45	4.248	352.3	16.27	0.619	29.18	0
2/7/2017 11:00	3.638	9.86	19.37	0.183	29.19	0
2/7/2017 11:15	5.026	26.81	7.354	-0.049	29.19	0
2/7/2017 11:30	4.616	23.77	5.468	0.188	29.19	0
2/7/2017 11:45	5.169	27.47	8.73	0.315	29.19	0
2/7/2017 12:00	5.472	26.32	6.776	0.416	29.19	0
2/7/2017 12:15	5.757	22.2	8.32	0.653	29.19	0
2/7/2017 12:30	5.593	20.61	7.358	0.968	29.19	0.01
2/7/2017 12:45	8.51	23.67	8.77	1.096	29.19	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/7/2017 13:00	9.62	25.68	7.061	1.166	29.22	0
2/7/2017 13:15	9.19	25.69	8.05	1.418	29.22	0
2/7/2017 13:30	8.65	27.43	9.1	1.522	29.22	0
2/7/2017 13:45	7.551	23.98	8.81	1.668	29.22	0.01
2/7/2017 14:00	5.561	18.52	11.03	1.852	29.27	0.01
2/7/2017 14:15	3.527	29.63	8.41	2.253	29.27	0
2/7/2017 14:30	4.914	34.65	7.479	2.297	29.27	0.01
2/7/2017 14:45	4.211	36.54	8.29	2.141	29.27	0
2/7/2017 15:00	3.586	32.78	4.636	2.142	29.32	0
2/7/2017 15:15	3.626	27.43	7.216	2.138	29.32	0.01
2/7/2017 15:30	4.163	38.08	10.17	2.035	29.32	0
2/7/2017 15:45	4.982	42.25	6.27	2	29.32	0.01
2/7/2017 16:00	3.129	57.03	13.83	1.947	29.37	0
2/7/2017 16:15	2.603	55.03	7.62	2.03	29.37	0
2/7/2017 16:30	1.795	79.06	7.615	2.081	29.37	0.01
2/7/2017 16:45	2.532	100	21.48	1.971	29.37	0
2/7/2017 17:00	2.261	69.03	3.499	1.722	29.4	0
2/7/2017 17:15	2.304	63.4	6.543	1.647	29.4	0.01
2/7/2017 17:30	0.408	64.53	0.345	1.542	29.4	0
2/7/2017 17:45	0.839	100.1	16.4	1.594	29.4	0
2/7/2017 18:00	1.951	50.12	1.615	1.471	29.44	0
2/7/2017 18:15	3.017	57.44	6.346	1.152	29.44	0
2/7/2017 18:30	1.646	72.8	9.26	1.189	29.44	0
2/7/2017 18:45	3.018	131.5	6.424	1.194	29.44	0
2/7/2017 19:00	3.401	130.1	3.479	1.086	29.48	0
2/7/2017 19:15	2.617	157.4	15.42	1.029	29.48	0
2/7/2017 19:30	3.74	181.3	5.568	1.09	29.48	0
2/7/2017 19:45	3.432	172.7	14.23	1.147	29.48	0
2/7/2017 20:00	3.223	148.8	3.985	0.888	29.53	0
2/7/2017 20:15	3.315	112	18.29	0.685	29.53	0
2/7/2017 20:30	5.054	116.3	8.88	0.648	29.53	0.01
2/7/2017 20:45	4.561	149.5	20.21	0.948	29.53	0
2/7/2017 21:00	5.163	163.1	19.27	1.188	29.55	0
2/7/2017 21:15	5.356	155.9	13.34	1.284	29.55	0
2/7/2017 21:30	4.54	146.8	14.95	1.075	29.55	0
2/7/2017 21:45	3.094	123.6	7.416	1.081	29.55	0
2/7/2017 22:00	2.534	148.2	26.75	0.856	29.56	0
2/7/2017 22:15	4.002	173.8	20.63	0.819	29.56	0
2/7/2017 22:30	3.657	157.2	22.51	1.049	29.56	0
2/7/2017 22:45	4.184	139.9	8.97	1.46	29.56	0
2/7/2017 23:00	2.525	141	12.3	1.305	29.6	0
2/7/2017 23:15	2.577	137.1	15.02	1.397	29.6	0
2/7/2017 23:30	0.87	95.6	21.68	1.212	29.6	0
2/7/2017 23:45	0.147	59.36	0.116	1.183	29.6	0
2/8/2017 0:00	0.739	59.37	0.147	1.369	29.63	0
2/8/2017 0:15	1.567	59.21	0.136	1.247	29.63	0
2/8/2017 0:30	1.352	59.28	0.072	1.164	29.63	0
2/8/2017 0:45	1.32	59.26	0.095	1.065	29.63	0
2/8/2017 1:00	2.436	51.35	7.587	0.985	29.62	0
2/8/2017 1:15	2.875	40.3	3.092	0.957	29.62	0
2/8/2017 1:30	3.003	32.91	2.015	0.888	29.62	0
2/8/2017 1:45	2.29	29.98	2.593	0.607	29.62	0.01
2/8/2017 2:00	2.678	22.47	4.706	0.806	29.63	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/8/2017 2:15	3.375	27.84	2.848	0.717	29.63	0
2/8/2017 2:30	3.935	36.66	4.576	0.45	29.63	0
2/8/2017 2:45	4.648	53.29	5.07	0.394	29.63	0
2/8/2017 3:00	4.264	75.93	19.05	0.487	29.61	0
2/8/2017 3:15	3.561	137.7	15.44	0.681	29.61	0
2/8/2017 3:30	3.051	42.25	22.41	0.447	29.61	0
2/8/2017 3:45	3.481	23.33	2.399	0.49	29.61	0
2/8/2017 4:00	4.146	32.35	6.726	0.564	29.6	0
2/8/2017 4:15	3.699	35.4	4.922	0.379	29.6	0
2/8/2017 4:30	4.454	24.26	5.203	0.265	29.6	0
2/8/2017 4:45	3.686	33.87	10.18	0.453	29.6	0
2/8/2017 5:00	3.786	68.49	8.74	0.736	29.6	0
2/8/2017 5:15	1.758	85	10.89	0.805	29.6	0
2/8/2017 5:30	3.284	18.34	4.254	0.795	29.6	0
2/8/2017 5:45	4.276	16.8	13.43	0.767	29.6	0
2/8/2017 6:00	3.824	357.6	16.53	0.714	29.6	0
2/8/2017 6:15	4.133	1.909	13.4	0.67	29.6	0
2/8/2017 6:30	2.949	30.85	5.811	0.145	29.6	0
2/8/2017 6:45	2.193	25.71	3.067	0.128	29.6	0
2/8/2017 7:00	2.897	41.21	6.105	-0.022	29.59	0
2/8/2017 7:15	2.449	35.1	2.787	0.159	29.59	0
2/8/2017 7:30	1.229	38.57	16.04	0.809	29.59	0
2/8/2017 7:45	2.968	33.41	18.54	0.514	29.59	0
2/8/2017 8:00	1.811	31.85	15.84	0.248	29.56	0
2/8/2017 8:15	3.898	72.66	9.69	0.343	29.56	0
2/8/2017 8:30	3.814	58.02	14.07	0.314	29.56	0
2/8/2017 8:45	4.238	42.62	11.27	0.279	29.56	0
2/8/2017 9:00	1.278	41.53	2.361	0.164	29.54	0
2/8/2017 9:15	1.369	0.861	29.04	0.245	29.54	0
2/8/2017 9:30	2.479	40.01	5.053	0.142	29.54	0
2/8/2017 9:45	1.624	50.98	7.541	0.208	29.54	0
2/8/2017 10:00	2.598	44.3	9.91	0.115	29.51	0
2/8/2017 10:15	1.905	57.06	5.517	0.136	29.51	0.01
2/8/2017 10:30	3.132	138.2	17.3	0.59	29.51	0.01
2/8/2017 10:45	6.158	140.4	11.8	1.249	29.51	0
2/8/2017 11:00	5.438	127.5	15.85	1.632	29.48	0.01
2/8/2017 11:15	5.028	113.8	18.52	1.707	29.48	0.01
2/8/2017 11:30	6.342	106.8	16.38	1.651	29.48	0.02
2/8/2017 11:45	5.807	100.7	18.36	1.745	29.48	0.01
2/8/2017 12:00	4.02	80.5	20.37	1.655	29.44	0.02
2/8/2017 12:15	4.705	105.4	17.55	1.997	29.44	0.01
2/8/2017 12:30	5.073	92.4	19.02	2.042	29.44	0.01
2/8/2017 12:45	2.915	86.9	17.11	1.847	29.44	0.02
2/8/2017 13:00	1.494	104.6	50.68	1.988	29.41	0.01
2/8/2017 13:15	2.406	83.3	44.8	2.1	29.41	0.01
2/8/2017 13:30	1.429	0.014	8.05	2.174	29.41	0.02
2/8/2017 13:45	1.307	327.2	8.47	2.169	29.41	0.02
2/8/2017 14:00	2.841	328.4	4.022	2.047	29.36	0.02
2/8/2017 14:15	2.353	331	4.153	1.899	29.36	0.01
2/8/2017 14:30	2.764	258	21.3	1.692	29.36	0.02
2/8/2017 14:45	0.675	196.1	6.679	1.918	29.36	0.02
2/8/2017 15:00	0.434	158	39.79	2.032	29.33	0.02
2/8/2017 15:15	0.976	167.2	7.522	1.986	29.33	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/8/2017 15:30	1.495	147.6	16.28	1.999	29.33	0.01
2/8/2017 15:45	3.66	144.8	14.89	1.683	29.33	0.01
2/8/2017 16:00	4.566	135.4	20.62	1.653	29.3	0.02
2/8/2017 16:15	4.29	135.1	21.41	1.848	29.3	0.01
2/8/2017 16:30	5.171	132.4	12.34	1.802	29.3	0.02
2/8/2017 16:45	5.488	124.1	13.02	1.526	29.3	0.03
2/8/2017 17:00	3.106	119.7	12.48	1.457	29.26	0.02
2/8/2017 17:15	3.635	116.4	13.51	1.615	29.26	0.01
2/8/2017 17:30	0.869	99.1	14.51	1.559	29.26	0.01
2/8/2017 17:45	1.389	126.9	30.48	1.828	29.26	0.01
2/8/2017 18:00	2.488	51.82	29.39	1.549	29.22	0.03
2/8/2017 18:15	1.065	54.88	24.77	1.52	29.22	0.02
2/8/2017 18:30	2.368	128.4	5.534	1.537	29.22	0.01
2/8/2017 18:45	2.249	63.04	29.87	1.715	29.22	0.02
2/8/2017 19:00	1.89	66.03	18.49	1.837	29.18	0.01
2/8/2017 19:15	3.117	84.2	34.31	2.202	29.18	0.01
2/8/2017 19:30	3.232	261	92	2.351	29.18	0.01
2/8/2017 19:45	3.935	144	24.56	2.614	29.18	0.03
2/8/2017 20:00	4.406	125.3	26.9	2.267	29.18	0.02
2/8/2017 20:15	6.763	118.6	16.81	2.601	29.18	0.02
2/8/2017 20:30	8.33	134.7	18.4	2.965	29.18	0.03
2/8/2017 20:45	15.66	155.3	10.77	3.532	29.18	0.05
2/8/2017 21:00	15.89	155.9	8.85	3.599	29.14	0.05
2/8/2017 21:15	14.16	149.1	11.23	3.856	29.14	0.05
2/8/2017 21:30	14.9	143.8	10.73	4.476	29.14	0.06
2/8/2017 21:45	15.94	142.9	10.27	4.92	29.14	0.08
2/8/2017 22:00	16.39	141.8	10.4	5.067	29.1	0.07
2/8/2017 22:15	18.19	138.3	9.09	5.319	29.1	0.08
2/8/2017 22:30	18.74	134.9	9.54	5.331	29.1	0.09
2/8/2017 22:45	18.11	135	9.38	5.375	29.1	0.07
2/8/2017 23:00	17.45	134.4	9.21	5.343	29.06	0.05
2/8/2017 23:15	17.97	135.8	8.9	5.54	29.06	0.03
2/8/2017 23:30	17.43	132.9	9.12	5.552	29.06	0.03
2/8/2017 23:45	18.21	133.5	9.75	5.864	29.06	0.02
2/9/2017 0:00	19.35	134.7	8.63	5.872	29	0.03
2/9/2017 0:15	18.94	136.5	9.59	5.665	29	0.03
2/9/2017 0:30	17.95	134.7	9.72	5.951	29	0.02
2/9/2017 0:45	15.97	138.8	10.42	6.222	29	0.02
2/9/2017 1:00	16.68	135.5	10.37	6.654	28.94	0.01
2/9/2017 1:15	18.3	137.1	9.31	6.465	28.94	0
2/9/2017 1:30	17.44	139.1	8.71	6.465	28.94	0.01
2/9/2017 1:45	19.33	135.6	8.16	6.626	28.94	0.01
2/9/2017 2:00	18.83	137.3	9.72	6.251	28.92	0.01
2/9/2017 2:15	14.77	149.8	9.6	6.127	28.92	0.04
2/9/2017 2:30	15.14	137.8	8.93	6.185	28.92	0.02
2/9/2017 2:45	14.67	136.3	8.36	6.211	28.92	0.02
2/9/2017 3:00	12.84	146.5	9.63	6.195	28.93	0.03
2/9/2017 3:15	14.72	136.3	7.6	6.831	28.93	0.02
2/9/2017 3:30	12.55	141.7	7.999	7.09	28.93	0.02
2/9/2017 3:45	12.26	140	8.67	7.525	28.93	0.04
2/9/2017 4:00	12.66	144.7	10.15	7.881	28.92	0.02
2/9/2017 4:15	9.58	149.5	8.69	7.988	28.92	0.04
2/9/2017 4:30	9.6	154.1	7.029	8.33	28.92	0.03

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/9/2017 4:45	8.5	151.9	8.21	8.51	28.92	0.04
2/9/2017 5:00	9.16	151.3	8.33	8.54	28.91	0.04
2/9/2017 5:15	9.57	139.6	8.81	8.64	28.91	0.02
2/9/2017 5:30	9.32	143.9	9.23	8.74	28.91	0.03
2/9/2017 5:45	10.28	133.3	8.54	9.27	28.91	0.02
2/9/2017 6:00	9.67	140.2	10.06	9.52	28.86	0.02
2/9/2017 6:15	9.47	149.6	9.24	9.42	28.86	0.04
2/9/2017 6:30	7.807	148.8	17.18	9.39	28.86	0.06
2/9/2017 6:45	9.67	143.6	10.05	8.58	28.86	0.04
2/9/2017 7:00	10	127.9	8.79	8.81	28.8	0.02
2/9/2017 7:15	10.12	138.9	8.29	9.21	28.8	0.03
2/9/2017 7:30	9.05	159	17.11	8.8	28.8	0.03
2/9/2017 7:45	13.65	141.6	8.98	8.21	28.8	0.04
2/9/2017 8:00	12.9	145.2	10.67	7.94	28.77	0.05
2/9/2017 8:15	12.69	143.1	10.74	8.07	28.77	0.05
2/9/2017 8:30	12.86	154.2	15.08	7.755	28.77	0.05
2/9/2017 8:45	16.44	131.9	7.777	8.44	28.77	0.03
2/9/2017 9:00	13.1	144.4	11.33	8.83	28.77	0.02
2/9/2017 9:15	12.31	153.6	11.64	8.54	28.77	0.03
2/9/2017 9:30	12.37	151.8	9.43	9.09	28.77	0.01
2/9/2017 9:45	14.91	145.9	8.46	9.58	28.77	0
2/9/2017 10:00	17.01	150.8	10.68	9.69	28.78	0.01
2/9/2017 10:15	15.52	144.6	10.57	10.02	28.78	0
2/9/2017 10:30	12.18	152.4	11.43	10.32	28.78	0
2/9/2017 10:45	12.41	146.1	9.18	10.37	28.78	0.01
2/9/2017 11:00	9.69	145.2	10.4	10.17	28.78	0.01
2/9/2017 11:15	9.7	164.4	15.47	10.13	28.78	0
2/9/2017 11:30	10.24	156.5	11.88	9.73	28.78	0.01
2/9/2017 11:45	11	138.8	10.67	9.92	28.78	0
2/9/2017 12:00	13.43	132.5	7.736	10.38	28.78	0
2/9/2017 12:15	12.62	135.2	8.24	11.15	28.78	0
2/9/2017 12:30	12.24	137.1	8.26	11.68	28.78	0
2/9/2017 12:45	12.2	138.3	8.7	12	28.78	0
2/9/2017 13:00	14.42	194.7	59.93	11.12	28.79	0.12
2/9/2017 13:15	16.22	240.2	10.58	10.59	28.79	0.02
2/9/2017 13:30	22.69	230.1	9.69	12.07	28.79	0
2/9/2017 13:45	23.75	227.5	9.56	12.44	28.79	0
2/9/2017 14:00	22.31	224.5	7.741	12.33	28.87	0
2/9/2017 14:15	19.69	220.8	9.64	12.53	28.87	0
2/9/2017 14:30	22.54	218.5	9.73	12.64	28.87	0
2/9/2017 14:45	17.69	217.8	9.86	12.57	28.87	0
2/9/2017 15:00	15.44	215.5	8.83	12.5	28.9	0
2/9/2017 15:15	12.34	191.1	16.74	12.43	28.9	0
2/9/2017 15:30	14.39	189.1	9.52	12.36	28.9	0
2/9/2017 15:45	15.84	213.6	13.96	12.43	28.9	0
2/9/2017 16:00	22.4	222.9	10.14	12.06	28.92	0.01
2/9/2017 16:15	21.93	225.9	8.38	11.63	28.92	0
2/9/2017 16:30	16.23	200.3	14.59	11.1	28.92	0.01
2/9/2017 16:45	16.64	202.1	8.02	10.29	28.92	0.02
2/9/2017 17:00	14.69	193.7	7.414	10.19	28.93	0
2/9/2017 17:15	14.92	187.1	7.217	10.1	28.93	0
2/9/2017 17:30	15.64	190.7	8.38	10.02	28.93	0.01
2/9/2017 17:45	16.62	193.1	7.467	9.95	28.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/9/2017 18:00	16.77	190.6	10.48	9.89	28.97	0.01
2/9/2017 18:15	20.67	202.6	9.55	10.12	28.97	0
2/9/2017 18:30	22.29	215.3	9.73	10.11	28.97	0
2/9/2017 18:45	21.95	223	9.36	10.01	28.97	0
2/9/2017 19:00	20.66	215.6	8.15	9.75	29	0
2/9/2017 19:15	21.74	207.3	9.24	9.65	29	0
2/9/2017 19:30	21.01	213	9.54	9.57	29	0
2/9/2017 19:45	20.29	213.8	9.49	9.27	29	0
2/9/2017 20:00	17.07	209.9	9.86	8.91	29.07	0
2/9/2017 20:15	13.32	194.1	15.41	8.67	29.07	0
2/9/2017 20:30	9.12	172.5	16.2	8.18	29.07	0
2/9/2017 20:45	8.85	159.7	7.614	7.96	29.07	0
2/9/2017 21:00	8.22	155.2	9.34	7.906	29.13	0
2/9/2017 21:15	8.5	168.3	16.82	7.933	29.13	0
2/9/2017 21:30	5.799	154.3	26.35	7.85	29.13	0
2/9/2017 21:45	6.608	150	8.99	7.626	29.13	0
2/9/2017 22:00	9.53	171.9	11.18	7.918	29.17	0
2/9/2017 22:15	11.99	187.9	11.74	8.03	29.17	0
2/9/2017 22:30	12.51	189.1	8.15	7.829	29.17	0
2/9/2017 22:45	13.37	192.4	9.73	7.674	29.17	0
2/9/2017 23:00	12.76	191.7	7.644	7.625	29.2	0
2/9/2017 23:15	11.13	197	6.984	7.459	29.2	0
2/9/2017 23:30	7.272	198.7	5.985	7.362	29.2	0
2/9/2017 23:45	9.1	194.9	8.78	7.536	29.2	0
2/10/2017 0:00	7.523	192.1	10.34	7.497	29.22	0
2/10/2017 0:15	6.898	192.7	8.33	7.357	29.22	0
2/10/2017 0:30	6.163	160.1	16.9	6.976	29.22	0
2/10/2017 0:45	5.523	175.4	22.2	6.731	29.22	0
2/10/2017 1:00	5.904	206.1	8.15	6.581	29.26	0
2/10/2017 1:15	6.508	201.3	9.09	6.601	29.26	0
2/10/2017 1:30	11.1	208.5	8.74	6.815	29.26	0
2/10/2017 1:45	12.04	203.2	11.6	6.771	29.26	0
2/10/2017 2:00	9.33	186.9	7.266	6.564	29.27	0
2/10/2017 2:15	8.24	179	7.946	6.312	29.27	0
2/10/2017 2:30	7.497	189.9	8.84	6.311	29.27	0
2/10/2017 2:45	6.725	190.5	6.61	6.19	29.27	0.01
2/10/2017 3:00	7.278	188.2	6.897	6.201	29.27	0
2/10/2017 3:15	7.783	175.2	9.81	6.208	29.27	0
2/10/2017 3:30	10.93	169.3	9.26	6.219	29.27	0
2/10/2017 3:45	10.73	191.2	9.51	6.017	29.27	0
2/10/2017 4:00	9.01	176.9	9.13	5.759	29.28	0
2/10/2017 4:15	9.13	173.6	9.23	5.815	29.28	0
2/10/2017 4:30	8.94	164.8	7.524	6.009	29.28	0
2/10/2017 4:45	7.254	163	7.877	5.592	29.28	0
2/10/2017 5:00	7.537	168.8	11.75	5.595	29.28	0
2/10/2017 5:15	8.13	170	16.45	5.965	29.28	0
2/10/2017 5:30	6.987	157	19.65	5.966	29.28	0
2/10/2017 5:45	7.457	159.7	9.66	5.831	29.28	0
2/10/2017 6:00	7.033	154.3	5.174	6.015	29.28	0
2/10/2017 6:15	9.52	157.4	9.79	6.263	29.28	0
2/10/2017 6:30	8.59	154.3	8.25	6.369	29.28	0
2/10/2017 6:45	8.87	162.5	7.965	6.308	29.28	0
2/10/2017 7:00	9.22	162.2	7.514	6.16	29.31	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/2017 7:15	8.98	157.3	9.19	6.321	29.31	0
2/10/2017 7:30	8.83	158.8	7.055	6.16	29.31	0
2/10/2017 7:45	10.02	163.3	7.245	6.116	29.31	0
2/10/2017 8:00	11.36	171.9	9.08	6.285	29.33	0
2/10/2017 8:15	12.99	174.9	11.21	6.527	29.33	0
2/10/2017 8:30	9.28	164.9	8.87	6.296	29.33	0
2/10/2017 8:45	11.77	182.8	12.85	6.435	29.33	0
2/10/2017 9:00	13.65	188.1	9.41	6.477	29.35	0
2/10/2017 9:15	16.06	186.6	9.43	6.85	29.35	0
2/10/2017 9:30	14.74	170.6	9.97	7.305	29.35	0
2/10/2017 9:45	16.26	190.3	12.24	7.489	29.35	0
2/10/2017 10:00	19.89	197.6	9.79	7.607	29.36	0
2/10/2017 10:15	18.24	197.1	11.1	7.459	29.36	0
2/10/2017 10:30	17.8	198.7	11.55	7.331	29.36	0
2/10/2017 10:45	19.95	199.5	8.41	7.353	29.36	0
2/10/2017 11:00	22.22	199.9	10.52	7.424	29.37	0
2/10/2017 11:15	24.34	203.1	10.67	7.523	29.37	0
2/10/2017 11:30	25.28	209.7	9.05	7.4	29.37	0
2/10/2017 11:45	20.09	207.8	8.45	7.359	29.37	0
2/10/2017 12:00	22.23	205.2	9.89	7.122	29.4	0
2/10/2017 12:15	26.02	216.1	9.23	6.896	29.4	0
2/10/2017 12:30	22.04	214.2	8.4	6.589	29.4	0.01
2/10/2017 12:45	25.21	213.8	9.16	6.36	29.4	0
2/10/2017 13:00	21.2	212.6	9.7	6.341	29.44	0
2/10/2017 13:15	18.48	209.5	10.32	6.041	29.44	0.01
2/10/2017 13:30	18.12	205.3	9.23	5.934	29.44	0
2/10/2017 13:45	18.61	210.4	7.807	5.786	29.44	0
2/10/2017 14:00	20.34	212.2	10.29	5.565	29.46	0.01
2/10/2017 14:15	19.33	210.9	8.25	5.711	29.46	0
2/10/2017 14:30	15.89	200.4	15.59	5.834	29.46	0
2/10/2017 14:45	16.82	208.6	13.3	5.823	29.46	0
2/10/2017 15:00	21.91	213.8	11.38	5.754	29.51	0
2/10/2017 15:15	23.6	212	7.206	5.463	29.51	0
2/10/2017 15:30	20.92	222.3	14.98	4.594	29.51	0.05
2/10/2017 15:45	20.92	218.5	10.88	3.077	29.51	0.02
2/10/2017 16:00	17.83	202.7	7.155	3.579	29.55	0
2/10/2017 16:15	16.99	204.1	8.01	3.647	29.55	0
2/10/2017 16:30	20.96	199.1	8.02	3.67	29.55	0.01
2/10/2017 16:45	18.2	195.5	10.04	3.776	29.55	0
2/10/2017 17:00	17.72	192.9	8.81	3.626	29.6	0
2/10/2017 17:15	17.93	190.6	10.39	3.602	29.6	0
2/10/2017 17:30	16.26	192.1	8.74	3.508	29.6	0
2/10/2017 17:45	15.04	192.6	8.64	3.471	29.6	0
2/10/2017 18:00	15.36	189.3	10.07	3.444	29.67	0
2/10/2017 18:15	16.72	190.2	8.11	3.339	29.67	0
2/10/2017 18:30	14.68	184.2	10.16	3.194	29.67	0
2/10/2017 18:45	13.28	179.5	9.42	3.024	29.67	0
2/10/2017 19:00	13.52	185.6	8.1	2.985	29.71	0
2/10/2017 19:15	12.83	186.5	7.935	2.938	29.71	0
2/10/2017 19:30	12.25	183.8	9.42	2.857	29.71	0
2/10/2017 19:45	13.43	188.3	6.518	2.74	29.71	0
2/10/2017 20:00	12.37	186.2	8.44	2.776	29.74	0
2/10/2017 20:15	11.23	179.2	10.6	3.004	29.74	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/2017 20:30	7.62	164.6	15.67	2.931	29.74	0
2/10/2017 20:45	8.49	183.4	11.33	3.003	29.74	0
2/10/2017 21:00	6.261	188.7	13.13	2.993	29.79	0
2/10/2017 21:15	6.935	185.1	17.75	3.076	29.79	0
2/10/2017 21:30	6.058	178.3	16.56	3.043	29.79	0
2/10/2017 21:45	3.872	135.4	28.92	2.949	29.79	0
2/10/2017 22:00	5.23	117.9	8.61	2.893	29.85	0
2/10/2017 22:15	5.359	152.9	32.74	3.076	29.85	0
2/10/2017 22:30	8.15	167.6	15.02	3.155	29.85	0
2/10/2017 22:45	6.957	162.2	11.55	3.217	29.85	0
2/10/2017 23:00	7.024	174	14.33	3.274	29.89	0
2/10/2017 23:15	6.567	180.7	19.99	3.333	29.89	0
2/10/2017 23:30	8.05	200.8	14.5	3.41	29.89	0
2/10/2017 23:45	7.879	204.9	12.55	3.375	29.89	0
2/11/2017 0:00	6.132	193.6	17.68	3.386	29.93	0
2/11/2017 0:15	8.68	194.6	25.43	3.591	29.93	0
2/11/2017 0:30	9.16	201	17.63	3.694	29.93	0
2/11/2017 0:45	7.409	207.7	11.19	3.614	29.93	0
2/11/2017 1:00	6.523	198.8	13.88	3.603	29.97	0
2/11/2017 1:15	9.54	207.5	11.27	3.534	29.97	0
2/11/2017 1:30	7.486	191.1	8.42	3.413	29.97	0
2/11/2017 1:45	7.288	193.3	8.14	3.367	29.97	0
2/11/2017 2:00	7.285	188.7	8.56	3.325	30	0
2/11/2017 2:15	6.365	176	10.6	3.21	30	0
2/11/2017 2:30	4.939	143.8	6.533	3.082	30	0
2/11/2017 2:45	5.989	157.8	11.9	3.138	30	0
2/11/2017 3:00	7.218	182.8	12.6	3.224	30.02	0
2/11/2017 3:15	6.672	185.8	8.48	3.259	30.02	0
2/11/2017 3:30	3.815	160.6	14.69	3.135	30.02	0
2/11/2017 3:45	3.707	140.4	9.25	3.109	30.02	0
2/11/2017 4:00	3.715	150.4	16.01	3.123	30.05	0
2/11/2017 4:15	3.284	132.5	6.325	3.119	30.05	0
2/11/2017 4:30	3.703	133	12.24	3.134	30.05	0
2/11/2017 4:45	4.127	140.9	13.22	3.224	30.05	0
2/11/2017 5:00	4.44	186.7	20.38	3.242	30.08	0
2/11/2017 5:15	5.136	189.4	7.162	3.3	30.08	0
2/11/2017 5:30	5.782	177.2	14.69	3.268	30.08	0
2/11/2017 5:45	4.334	162.5	14.86	3.118	30.08	0
2/11/2017 6:00	4.504	184.8	12.89	3.197	30.11	0
2/11/2017 6:15	4.675	169.7	26.77	3.212	30.11	0
2/11/2017 6:30	4.46	163.2	17.03	3.106	30.11	0
2/11/2017 6:45	5.328	145.9	7.902	3.062	30.11	0
2/11/2017 7:00	4.279	146.6	8.9	3.13	30.14	0
2/11/2017 7:15	4.061	134.3	7.448	3.133	30.14	0
2/11/2017 7:30	3.958	146	11.77	3.211	30.14	0
2/11/2017 7:45	4.195	145.8	9.42	3.212	30.14	0
2/11/2017 8:00	4.474	137.3	7.215	3.295	30.18	0
2/11/2017 8:15	5.211	141.7	7.492	3.394	30.18	0
2/11/2017 8:30	5.694	151.5	7.653	3.525	30.18	0
2/11/2017 8:45	6.17	152.3	9.39	3.675	30.18	0
2/11/2017 9:00	5.209	159.1	9.47	3.809	30.23	0
2/11/2017 9:15	5.038	170.1	13.72	4.014	30.23	0
2/11/2017 9:30	5.25	166.8	17.26	4.153	30.23	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/11/2017 9:45	5.499	161.9	17.87	4.285	30.23	0
2/11/2017 10:00	6.221	185.3	15.76	4.543	30.28	0
2/11/2017 10:15	6.634	192.8	11.54	4.598	30.28	0
2/11/2017 10:30	6.24	193.8	7.897	4.84	30.28	0
2/11/2017 10:45	6.205	196	11.67	5.058	30.28	0
2/11/2017 11:00	5.653	201	10.53	5.206	30.3	0
2/11/2017 11:15	8.2	200.9	7.055	5.428	30.3	0
2/11/2017 11:30	9.69	220	8.27	5.759	30.3	0
2/11/2017 11:45	9.57	220	8.6	5.786	30.3	0
2/11/2017 12:00	7.058	203.4	13.71	6.341	30.31	0
2/11/2017 12:15	7.523	202.3	19.32	6.619	30.31	0
2/11/2017 12:30	8.02	226.9	8.82	6.539	30.31	0
2/11/2017 12:45	5.504	225.2	12.89	6.718	30.31	0
2/11/2017 13:00	5.8	236.8	18.01	6.401	30.32	0
2/11/2017 13:15	4.051	273.6	15.47	6.009	30.32	0
2/11/2017 13:30	2.907	251.1	13.95	6.128	30.32	0
2/11/2017 13:45	3.219	221.3	21.45	5.934	30.32	0
2/11/2017 14:00	1.819	76.05	82.4	5.553	30.34	0.03
2/11/2017 14:15	1.883	19.86	27.99	5.115	30.34	0
2/11/2017 14:30	4.282	36.87	18.46	4.948	30.34	0
2/11/2017 14:45	4.26	51.07	9.06	5.01	30.34	0
2/11/2017 15:00	4.035	69.62	4.21	5.227	30.35	0
2/11/2017 15:15	2.986	47.46	18.39	5.38	30.35	0
2/11/2017 15:30	0.927	20.74	14.65	5.687	30.35	0
2/11/2017 15:45	2.628	96.6	12.71	5.723	30.35	0
2/11/2017 16:00	2.769	46.34	27.37	5.599	30.34	0
2/11/2017 16:15	3.061	25.94	21.19	5.549	30.34	0
2/11/2017 16:30	3.861	99.7	4.924	5.538	30.34	0
2/11/2017 16:45	2.353	66.11	16.38	5.492	30.34	0
2/11/2017 17:00	3.313	58.43	8.07	5.243	30.34	0
2/11/2017 17:15	3.466	54.02	12.26	5.063	30.34	0
2/11/2017 17:30	4.196	37.49	3.288	4.528	30.34	0
2/11/2017 17:45	4.921	40.1	4.183	4.173	30.34	0
2/11/2017 18:00	3.726	41.61	4.901	3.941	30.35	0
2/11/2017 18:15	4.521	44	6.38	4.15	30.35	0
2/11/2017 18:30	3.736	54.39	6.612	3.994	30.35	0
2/11/2017 18:45	3.786	55.17	3.771	3.803	30.35	0
2/11/2017 19:00	3.609	90.5	33.55	3.739	30.34	0
2/11/2017 19:15	3.007	146.6	7.598	3.68	30.34	0
2/11/2017 19:30	2.012	128.8	4.496	4.573	30.34	0
2/11/2017 19:45	1.468	114	0.232	4.089	30.34	0
2/11/2017 20:00	1.284	117.1	2.618	3.873	30.34	0
2/11/2017 20:15	1.884	124.8	4.38	3.718	30.34	0
2/11/2017 20:30	1.187	134.7	5.284	4.366	30.34	0
2/11/2017 20:45	1.025	132.5	15.24	4.06	30.34	0
2/11/2017 21:00	2.284	169.9	12.65	3.6	30.33	0
2/11/2017 21:15	2.538	140.3	8.7	3.686	30.33	0
2/11/2017 21:30	2.747	139.7	16.39	3.946	30.33	0
2/11/2017 21:45	1.945	138.3	20.03	3.55	30.33	0
2/11/2017 22:00	1.994	135.3	16.92	3.092	30.33	0
2/11/2017 22:15	1.598	179.1	17.11	3.163	30.33	0
2/11/2017 22:30	2.62	180.9	15.87	2.842	30.33	0
2/11/2017 22:45	2.29	170.4	9.98	3.001	30.33	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/11/2017 23:00	2.765	175.8	8.34	2.991	30.31	0
2/11/2017 23:15	2.235	163.8	20.17	2.684	30.31	0
2/11/2017 23:30	2.943	172.3	4.759	2.582	30.31	0
2/11/2017 23:45	3.508	161.3	4.518	2.747	30.31	0
2/12/2017 0:00	3.494	162.5	6.139	2.73	30.3	0
2/12/2017 0:15	3.231	154.9	6.651	2.624	30.3	0
2/12/2017 0:30	0.207	140.1	0.03	2.347	30.3	0
2/12/2017 0:45	0.358	113.6	17.17	2.611	30.3	0
2/12/2017 1:00	0.772	77.79	0.148	2.168	30.31	0
2/12/2017 1:15	0.898	65.37	15.65	2.206	30.31	0
2/12/2017 1:30	2.837	46.67	5.937	1.949	30.31	0
2/12/2017 1:45	4.158	53.87	2.181	1.672	30.31	0
2/12/2017 2:00	3.099	53.64	1.76	2.206	30.28	0
2/12/2017 2:15	2.476	112.9	31.33	1.868	30.28	0
2/12/2017 2:30	0.775	130	2.132	2.328	30.28	0
2/12/2017 2:45	1.199	128.4	17.58	2.463	30.28	0
2/12/2017 3:00	2.327	81.5	8.86	0.835	30.27	0
2/12/2017 3:15	0.653	86	0.017	2.186	30.27	0
2/12/2017 3:30	1.825	39.23	17.1	1.65	30.27	0
2/12/2017 3:45	3.608	48.1	10.14	1.239	30.27	0
2/12/2017 4:00	3.963	42.51	5.618	1.467	30.25	0
2/12/2017 4:15	3.212	35.43	13.68	2.067	30.25	0
2/12/2017 4:30	3.586	12.34	1.729	2.786	30.25	0
2/12/2017 4:45	3.444	21.98	6.449	1.724	30.25	0
2/12/2017 5:00	2.528	24.42	4.187	1.873	30.24	0
2/12/2017 5:15	4.843	25.66	5.374	1.371	30.24	0
2/12/2017 5:30	3.19	29.17	10.15	2.093	30.24	0
2/12/2017 5:45	3.125	122.6	31.36	1.328	30.24	0
2/12/2017 6:00	2.631	126.1	34.32	2.354	30.24	0
2/12/2017 6:15	2.165	56.28	13.09	2.181	30.24	0
2/12/2017 6:30	3.222	11.67	12.47	2.069	30.24	0
2/12/2017 6:45	1.482	245.5	30.83	1.475	30.24	0
2/12/2017 7:00	0.859	327.7	38.04	2.304	30.23	0
2/12/2017 7:15	2.355	16.24	12.83	1.376	30.23	0
2/12/2017 7:30	3.727	13.5	25.37	1.986	30.23	0
2/12/2017 7:45	2.54	83.1	33.08	1.469	30.23	0
2/12/2017 8:00	2.973	162.6	16.44	2.576	30.21	0
2/12/2017 8:15	5.55	295.4	10.39	2.427	30.21	0
2/12/2017 8:30	6.57	318.9	15.29	2.226	30.21	0
2/12/2017 8:45	6.617	333.9	17.02	1.703	30.21	0
2/12/2017 9:00	6.498	336.1	39.64	1.51	30.23	0
2/12/2017 9:15	2.116	5.891	21.58	0.762	30.23	0
2/12/2017 9:30	3.168	62.4	17.84	1.225	30.23	0
2/12/2017 9:45	3.135	94.4	31.14	1.355	30.23	0
2/12/2017 10:00	5.784	279.6	27.55	2.286	30.24	0
2/12/2017 10:15	6.107	313.8	7.45	2.332	30.24	0
2/12/2017 10:30	6.593	328.6	17.24	3.007	30.24	0
2/12/2017 10:45	4.546	1.648	15.07	2.764	30.24	0
2/12/2017 11:00	3.545	39.32	18.81	2.894	30.24	0
2/12/2017 11:15	3.702	46.66	16.19	3.023	30.24	0
2/12/2017 11:30	1.864	24.44	16.22	4.371	30.24	0
2/12/2017 11:45	3.069	259.7	23.83	5.677	30.24	0
2/12/2017 12:00	2.251	188.7	83.8	6.438	30.22	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/12/2017 12:15	2.328	52.26	15.48	6.07	30.22	0
2/12/2017 12:30	2.092	255.2	44.32	7.08	30.22	0
2/12/2017 12:45	5.285	284.5	28.82	7.898	30.22	0
2/12/2017 13:00	4.663	356.4	22.01	7.745	30.2	0
2/12/2017 13:15	1.887	7.886	48.29	8.22	30.2	0
2/12/2017 13:30	1.468	8.47	43.59	9.19	30.2	0
2/12/2017 13:45	3.438	313.9	23.08	9.18	30.2	0
2/12/2017 14:00	5.185	299.3	15.35	8.79	30.2	0
2/12/2017 14:15	4.231	293.7	24.07	8.87	30.2	0
2/12/2017 14:30	2.802	311.5	30.81	9.03	30.2	0
2/12/2017 14:45	1.554	64.2	35.35	9.25	30.2	0
2/12/2017 15:00	1.028	8.28	25.42	9.03	30.19	0
2/12/2017 15:15	0.546	3.674	5.474	9.17	30.19	0
2/12/2017 15:30	1.301	236.5	62.65	9.61	30.19	0
2/12/2017 15:45	3.533	219.7	29.53	9.49	30.19	0
2/12/2017 16:00	3.107	262.1	18.66	9.51	30.15	0
2/12/2017 16:15	2.106	269.2	27.28	9.83	30.15	0
2/12/2017 16:30	1.492	317.8	6.007	9.59	30.15	0
2/12/2017 16:45	1.341	329.8	2.162	9.12	30.15	0
2/12/2017 17:00	4.223	303	19.53	8.57	30.14	0
2/12/2017 17:15	5.82	306.1	6.082	7.845	30.14	0
2/12/2017 17:30	7.284	323.1	3.336	7.201	30.14	0
2/12/2017 17:45	4.78	340	11.1	6.726	30.14	0
2/12/2017 18:00	2.132	41.47	35.43	6.95	30.13	0
2/12/2017 18:15	6.528	15.51	9.18	6.503	30.13	0
2/12/2017 18:30	5.282	35.52	11.16	6.181	30.13	0
2/12/2017 18:45	6.29	30.13	8.12	5.832	30.13	0
2/12/2017 19:00	6.046	29.85	7.698	5.241	30.14	0
2/12/2017 19:15	4.502	30.5	14	4.996	30.14	0
2/12/2017 19:30	4.36	36.05	7.641	5.021	30.14	0
2/12/2017 19:45	5.392	41.66	10.95	4.622	30.14	0
2/12/2017 20:00	4.663	41.84	8.06	4.67	30.12	0
2/12/2017 20:15	4.299	36.92	11.17	4.527	30.12	0
2/12/2017 20:30	4.204	40.71	6.201	4.473	30.12	0
2/12/2017 20:45	4.665	32	12.53	3.953	30.12	0
2/12/2017 21:00	5.272	29.61	9.79	4.221	30.12	0
2/12/2017 21:15	5.803	35.71	11.25	3.542	30.12	0
2/12/2017 21:30	6.109	35.61	7.59	3.156	30.12	0
2/12/2017 21:45	6.303	29.43	11.04	3.203	30.12	0
2/12/2017 22:00	4.316	24.88	10.08	3.801	30.12	0
2/12/2017 22:15	5.126	44.12	7.483	3.408	30.12	0
2/12/2017 22:30	7.321	37.02	8.26	2.837	30.12	0
2/12/2017 22:45	7.203	33.23	9.25	2.864	30.12	0
2/12/2017 23:00	8.34	32.01	8.67	2.825	30.11	0
2/12/2017 23:15	7.122	41.63	7.049	2.63	30.11	0
2/12/2017 23:30	6.049	34.89	6.333	2.46	30.11	0
2/12/2017 23:45	5.869	27.49	6.757	2.361	30.11	0
2/13/2017 0:00	6.07	21.8	6.09	2.521	30.11	0
2/13/2017 0:15	6.159	21.59	5.902	2.468	30.11	0
2/13/2017 0:30	5.716	33.68	6.688	2.135	30.11	0
2/13/2017 0:45	5.785	27.86	5.713	2.09	30.11	0
2/13/2017 1:00	5.759	23.74	4.212	2.41	30.1	0
2/13/2017 1:15	6.001	27.51	8.03	1.897	30.1	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/2017 1:30	5.201	30.33	8.27	1.203	30.1	0
2/13/2017 1:45	4.365	24.79	8.39	1.152	30.1	0
2/13/2017 2:00	5.631	31.46	6.127	0.914	30.1	0
2/13/2017 2:15	6.746	39.35	8.06	0.059	30.1	0
2/13/2017 2:30	7.232	21.59	7.694	0.403	30.1	0
2/13/2017 2:45	6.145	24.83	4.783	0.399	30.1	0
2/13/2017 3:00	7.312	34.13	5.501	0.232	30.08	0
2/13/2017 3:15	7.945	33.58	8.67	0.058	30.08	0
2/13/2017 3:30	6.868	40.7	8.04	0.257	30.08	0
2/13/2017 3:45	7.564	32.88	7.691	0.713	30.08	0
2/13/2017 4:00	6.786	26.2	7.521	0.751	30.05	0
2/13/2017 4:15	6.593	26.57	6.465	0.668	30.05	0
2/13/2017 4:30	5.987	27.67	8.56	0.71	30.05	0
2/13/2017 4:45	5.773	27.97	7.494	0.923	30.05	0
2/13/2017 5:00	6.554	31.59	5.651	0.527	30.03	0
2/13/2017 5:15	6.513	27.94	7.827	0.094	30.03	0
2/13/2017 5:30	7.13	26.52	7.976	-0.073	30.03	0
2/13/2017 5:45	6.204	32.79	9.72	0.107	30.03	0
2/13/2017 6:00	5.215	33.03	6.628	-0.281	30.01	0
2/13/2017 6:15	6.103	29.26	7.331	-0.434	30.01	0
2/13/2017 6:30	5.844	37	7.706	-0.738	30.01	0
2/13/2017 6:45	8.06	29.39	6.542	-0.505	30.01	0
2/13/2017 7:00	7.706	31.06	6.641	-0.125	29.99	0
2/13/2017 7:15	7.936	28.98	9.68	-0.096	29.99	0
2/13/2017 7:30	6.961	30.92	7.784	-0.035	29.99	0
2/13/2017 7:45	7.555	27.8	6.217	0.536	29.99	0
2/13/2017 8:00	5.538	29.72	7.464	0.609	29.99	0
2/13/2017 8:15	4.253	41.85	19.13	0.581	29.99	0
2/13/2017 8:30	3.63	33.09	16.32	0.75	29.99	0
2/13/2017 8:45	3.852	36.9	14.06	1.204	29.99	0
2/13/2017 9:00	1.194	36.94	42.1	1.891	30	0.01
2/13/2017 9:15	1.101	78.77	30.91	2.787	30	0
2/13/2017 9:30	2.988	38.21	29.77	2.816	30	0
2/13/2017 9:45	3.022	50.03	17.24	2.857	30	0
2/13/2017 10:00	3.35	50.04	16.12	3.009	29.99	0
2/13/2017 10:15	3.189	53.88	12.28	3.425	29.99	0
2/13/2017 10:30	3.116	17.65	27.49	4.91	29.99	0
2/13/2017 10:45	2.518	15.2	39.35	5.78	29.99	0
2/13/2017 11:00	3.225	50.55	13.07	5.437	29.99	0
2/13/2017 11:15	2.497	36.54	12.34	6.1	29.99	0
2/13/2017 11:30	0.787	261.3	70.3	8.3	29.99	0
2/13/2017 11:45	3.165	42.14	11.3	7.79	29.99	0
2/13/2017 12:00	3.253	44.79	8.55	7.474	29.97	0
2/13/2017 12:15	3.133	51.33	12.94	8.08	29.97	0
2/13/2017 12:30	3.241	46.51	9.8	8.43	29.97	0
2/13/2017 12:45	2.897	41	11.9	8.93	29.97	0
2/13/2017 13:00	2.344	27.85	15.91	9.88	29.94	0
2/13/2017 13:15	1.948	29	7.787	10.46	29.94	0
2/13/2017 13:30	3.024	39.67	4.809	10.87	29.94	0
2/13/2017 13:45	1.885	13.53	22.1	11.37	29.94	0
2/13/2017 14:00	2.609	22.4	20.73	12.07	29.91	0
2/13/2017 14:15	2.612	31.25	8.81	11.96	29.91	0
2/13/2017 14:30	3.313	33.79	3.838	12.09	29.91	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/2017 14:45	3.452	36.21	7.712	12.34	29.91	0
2/13/2017 15:00	2.364	11.46	16.73	13	29.89	0
2/13/2017 15:15	3.42	25.4	3.137	13.15	29.89	0
2/13/2017 15:30	3.302	33.9	4.559	13.2	29.89	0
2/13/2017 15:45	2.56	28.64	5.08	13.46	29.89	0
2/13/2017 16:00	0.874	39.72	27.96	14.5	29.87	0
2/13/2017 16:15	2.879	70.53	27.23	14.27	29.87	0
2/13/2017 16:30	0.853	43.62	15.74	14.65	29.87	0
2/13/2017 16:45	2.267	95.7	32.84	14.84	29.87	0
2/13/2017 17:00	1.826	73.67	38.63	13.68	29.86	0
2/13/2017 17:15	7.179	156.7	13.13	14.67	29.86	0
2/13/2017 17:30	7.937	145.7	11.28	13.96	29.86	0
2/13/2017 17:45	8.28	134.7	11.38	13.56	29.86	0
2/13/2017 18:00	12.52	149.9	10.07	13.47	29.85	0
2/13/2017 18:15	13.22	152.2	9.35	13.04	29.85	0
2/13/2017 18:30	13.94	156.8	7.623	12.68	29.85	0
2/13/2017 18:45	14.16	154.6	8.39	12.59	29.85	0
2/13/2017 19:00	13.36	150.6	8.98	12.43	29.86	0
2/13/2017 19:15	14.08	156.9	10.16	12.07	29.86	0
2/13/2017 19:30	13.33	147.4	11.65	11.96	29.86	0
2/13/2017 19:45	14.84	153.4	12.84	11.77	29.86	0
2/13/2017 20:00	15.7	153.1	13.07	11.71	29.85	0
2/13/2017 20:15	14.23	138.4	12.83	11.7	29.85	0
2/13/2017 20:30	11.96	136.6	10.3	11.7	29.85	0
2/13/2017 20:45	13.33	135.5	11.44	11.9	29.85	0
2/13/2017 21:00	9.04	139.6	15.89	11.66	29.85	0
2/13/2017 21:15	7.341	136.8	18.13	11.51	29.85	0
2/13/2017 21:30	8.7	135.5	13.63	11.44	29.85	0
2/13/2017 21:45	7.977	126.7	18.75	11.26	29.85	0
2/13/2017 22:00	7.279	119.6	17.77	11.16	29.85	0
2/13/2017 22:15	6.876	121	17.43	10.92	29.85	0
2/13/2017 22:30	10.96	124.2	13.67	11.22	29.85	0
2/13/2017 22:45	15.63	129.3	10.71	11.37	29.85	0
2/13/2017 23:00	13.92	139.2	10.22	11.31	29.84	0
2/13/2017 23:15	11.43	135.5	12.22	11.06	29.84	0
2/13/2017 23:30	10.06	136.3	11.68	11.09	29.84	0
2/13/2017 23:45	10.2	135	11.49	11.11	29.84	0
2/14/2017 0:00	10.08	146.1	13.79	11.24	29.85	0
2/14/2017 0:15	11.32	160.1	11.24	11.18	29.85	0
2/14/2017 0:30	10.22	152.4	13.07	11.08	29.85	0
2/14/2017 0:45	8.36	148.5	14.27	10.98	29.85	0
2/14/2017 1:00	8.72	145.8	13.62	10.75	29.88	0
2/14/2017 1:15	7.468	133.2	9.91	10.17	29.88	0
2/14/2017 1:30	9.01	125.3	7.421	9.88	29.88	0
2/14/2017 1:45	8.91	129.4	10.13	9.96	29.88	0
2/14/2017 2:00	9.32	144.4	11.93	10.27	29.84	0
2/14/2017 2:15	9.32	149.5	10.41	10.06	29.84	0
2/14/2017 2:30	8.37	153.1	11.8	10.24	29.84	0
2/14/2017 2:45	9.34	146.4	12.32	10.47	29.84	0
2/14/2017 3:00	9.14	154	12.55	10.35	29.81	0
2/14/2017 3:15	9.61	155.9	11.21	10.62	29.81	0
2/14/2017 3:30	8.93	156.8	11.22	10.4	29.81	0
2/14/2017 3:45	8.69	173.4	17.17	10.61	29.81	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/14/2017 4:00	8.55	176.2	12.32	10.21	29.83	0
2/14/2017 4:15	7.97	158.7	14.85	9.61	29.83	0
2/14/2017 4:30	7.606	122.9	6.432	9	29.83	0
2/14/2017 4:45	8.59	145.6	10.98	9.43	29.83	0
2/14/2017 5:00	9.99	170.7	14.45	9.65	29.8	0
2/14/2017 5:15	10.52	158	9.99	9.42	29.8	0
2/14/2017 5:30	9.35	146.4	11.79	9.87	29.8	0
2/14/2017 5:45	9.32	170.7	13.27	9.94	29.8	0
2/14/2017 6:00	9.31	159.3	12.47	10.04	29.8	0
2/14/2017 6:15	9.42	147.8	10.81	9.83	29.8	0
2/14/2017 6:30	8.7	131.7	14.65	9.8	29.8	0
2/14/2017 6:45	8.57	156.7	14.79	10.01	29.8	0
2/14/2017 7:00	9.52	162.7	12.56	10.26	29.79	0
2/14/2017 7:15	7.888	182.5	17.45	10.04	29.79	0
2/14/2017 7:30	8.71	162.4	10.42	9.88	29.79	0
2/14/2017 7:45	7.731	152	12.51	9.87	29.79	0
2/14/2017 8:00	7.555	143.1	13.83	9.89	29.81	0
2/14/2017 8:15	9.49	149.5	11.82	10.53	29.81	0
2/14/2017 8:30	13.55	165.1	11.79	11.31	29.81	0
2/14/2017 8:45	9.8	141.3	17.85	11.21	29.81	0
2/14/2017 9:00	8.31	144.2	14.95	11.56	29.8	0
2/14/2017 9:15	11.98	151.2	13.58	12.13	29.8	0
2/14/2017 9:30	12.48	149.5	10.99	12.27	29.8	0
2/14/2017 9:45	10.27	146.2	13.26	12.37	29.8	0
2/14/2017 10:00	10.61	136.5	13.49	12.36	29.76	0
2/14/2017 10:15	7.349	144.1	16.4	12.52	29.76	0
2/14/2017 10:30	5.74	144.8	26.66	12.45	29.76	0
2/14/2017 10:45	9.69	157.8	13.95	12.81	29.76	0
2/14/2017 11:00	7.431	146.1	15.14	12.3	29.76	0
2/14/2017 11:15	7.933	148.5	14.87	13.16	29.76	0
2/14/2017 11:30	7.76	140.1	15.29	13.84	29.76	0
2/14/2017 11:45	7.148	121.6	16.48	13.71	29.76	0
2/14/2017 12:00	11.1	140.2	12.93	14.4	29.73	0
2/14/2017 12:15	14.34	136.9	11.54	14.69	29.73	0
2/14/2017 12:30	11.92	132.5	13.14	14.72	29.73	0
2/14/2017 12:45	10.32	142.2	15.72	15.04	29.73	0
2/14/2017 13:00	9.6	133.7	15.6	15.02	29.69	0
2/14/2017 13:15	10.35	150.7	13.73	15.02	29.69	0
2/14/2017 13:30	12.48	142.8	11.6	15.1	29.69	0
2/14/2017 13:45	13.19	134.5	11.22	15.33	29.69	0
2/14/2017 14:00	14.18	137.9	10.61	15.43	29.65	0
2/14/2017 14:15	11.47	139.7	13.23	15.74	29.65	0
2/14/2017 14:30	11.33	144.5	14.47	16.33	29.65	0
2/14/2017 14:45	12.19	145	11.64	16.1	29.65	0
2/14/2017 15:00	11.99	141.2	11.65	15.7	29.64	0
2/14/2017 15:15	12.58	148.8	10.88	15.47	29.64	0
2/14/2017 15:30	12.12	154.9	10.21	15.12	29.64	0
2/14/2017 15:45	9.15	143.6	14.53	14.95	29.64	0
2/14/2017 16:00	10.92	131.3	13.13	14.91	29.6	0
2/14/2017 16:15	10.79	143.1	11.87	14.78	29.6	0
2/14/2017 16:30	9.59	136.2	13.01	14.49	29.6	0
2/14/2017 16:45	5.936	137.4	12.59	14.2	29.6	0
2/14/2017 17:00	8.41	150.4	12.39	14.03	29.57	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/14/2017 17:15	7.054	126.7	17.05	13.98	29.57	0
2/14/2017 17:30	6.63	123.8	17.09	13.78	29.57	0
2/14/2017 17:45	4.87	112.7	16.83	13.55	29.57	0
2/14/2017 18:00	5.597	127.8	23.42	13.53	29.55	0
2/14/2017 18:15	10.13	144.5	13.61	13.55	29.55	0
2/14/2017 18:30	10.24	140.8	13.14	13.42	29.55	0
2/14/2017 18:45	10.98	155.4	15.23	13.42	29.55	0
2/14/2017 19:00	8.2	160.9	15.87	13.29	29.55	0
2/14/2017 19:15	7.323	163.1	19.13	12.98	29.55	0
2/14/2017 19:30	12.32	165.4	10.1	12.46	29.55	0
2/14/2017 19:45	9.82	149	11.51	11.85	29.55	0
2/14/2017 20:00	9.23	157.5	11.54	11.32	29.55	0
2/14/2017 20:15	11.15	163.9	11.07	10.79	29.55	0
2/14/2017 20:30	11.63	176.1	12.41	10.38	29.55	0
2/14/2017 20:45	11.9	172	12.6	10.08	29.55	0
2/14/2017 21:00	11.02	183.7	13.56	9.7	29.56	0
2/14/2017 21:15	12.28	184.5	12.6	9.18	29.56	0
2/14/2017 21:30	11.86	199.8	9.35	8.47	29.56	0
2/14/2017 21:45	9.53	184.6	14.63	8.38	29.56	0
2/14/2017 22:00	9.31	178.9	17.28	8.58	29.52	0
2/14/2017 22:15	6.278	175.3	21.08	8.55	29.52	0
2/14/2017 22:30	4.326	169.7	23.63	8.29	29.52	0
2/14/2017 22:45	3.13	180.4	23.63	8.48	29.52	0.01
2/14/2017 23:00	5.212	193.8	20.06	8.19	29.5	0.01
2/14/2017 23:15	6.115	153.2	20.04	7.976	29.5	0.01
2/14/2017 23:30	2.748	59.97	29.44	6.715	29.5	0.02
2/14/2017 23:45	3.669	43.2	11.57	6.505	29.5	0.01
2/15/2017 0:00	3.709	58.91	19.05	6.399	29.45	0.01
2/15/2017 0:15	4.24	71.93	16.3	6.616	29.45	0.02
2/15/2017 0:30	5.09	109.6	44.17	7.408	29.45	0.01
2/15/2017 0:45	3.721	112.8	31.8	7.521	29.45	0.01
2/15/2017 1:00	5.871	111.8	17.95	7.388	29.42	0.01
2/15/2017 1:15	7.675	136.1	10.12	8.43	29.42	0.01
2/15/2017 1:30	7.114	155.2	13.61	8.91	29.42	0.01
2/15/2017 1:45	7.553	160.7	13.09	9.09	29.42	0.02
2/15/2017 2:00	6.529	172.6	16.64	9.11	29.41	0.02
2/15/2017 2:15	6.27	172	14.92	8.86	29.41	0.04
2/15/2017 2:30	4.47	164.5	14.01	8.43	29.41	0.02
2/15/2017 2:45	5.359	156.6	16.19	8.72	29.41	0.02
2/15/2017 3:00	8.25	148.1	11.13	8.78	29.41	0.03
2/15/2017 3:15	7.807	143.5	14.64	8.63	29.41	0.04
2/15/2017 3:30	6.869	144.4	16.88	8.87	29.41	0.05
2/15/2017 3:45	7.235	152.2	13.47	8.71	29.41	0.05
2/15/2017 4:00	7.166	169.3	18.18	8.62	29.41	0.05
2/15/2017 4:15	5.433	127.7	9.71	8.69	29.41	0.04
2/15/2017 4:30	5.1	149.9	17.14	8.84	29.41	0
2/15/2017 4:45	8.08	162.3	26.93	8.86	29.41	0.02
2/15/2017 5:00	10.61	144.6	12.48	8.85	29.4	0.01
2/15/2017 5:15	10.83	149	12.64	9.06	29.4	0.01
2/15/2017 5:30	8.34	144.5	12.4	9.1	29.4	0.01
2/15/2017 5:45	7.162	169.5	20.89	8.78	29.4	0.02
2/15/2017 6:00	7.593	156.8	20.73	8.56	29.44	0.02
2/15/2017 6:15	4.805	149.4	12.55	8.78	29.44	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/2017 6:30	6.816	142.5	20.09	8.99	29.44	0.02
2/15/2017 6:45	6.507	154.3	11.17	8.96	29.44	0.01
2/15/2017 7:00	7.548	160.3	28.17	9.03	29.43	0.01
2/15/2017 7:15	7.71	140.7	12.52	9.12	29.43	0.01
2/15/2017 7:30	7.206	145.2	14.8	9.29	29.43	0
2/15/2017 7:45	8.81	156.8	18.12	9.27	29.43	0
2/15/2017 8:00	11.52	150.5	9.69	9.24	29.41	0
2/15/2017 8:15	10.74	154.7	9.61	9.16	29.41	0
2/15/2017 8:30	9.04	155.3	10.25	9.29	29.41	0
2/15/2017 8:45	5.057	157.1	23.91	9.36	29.41	0
2/15/2017 9:00	6.918	182.7	19.32	8.83	29.42	0.01
2/15/2017 9:15	8.11	145	20.46	9.18	29.42	0.01
2/15/2017 9:30	5.519	135.7	20.01	9.47	29.42	0
2/15/2017 9:45	5.888	150.8	18.92	9.81	29.42	0.01
2/15/2017 10:00	6.736	150.5	26.68	9.71	29.39	0
2/15/2017 10:15	5.585	145.8	15.09	9.96	29.39	0.01
2/15/2017 10:30	6.356	165.4	19.43	9.85	29.39	0.01
2/15/2017 10:45	9.1	159.5	11.82	9.55	29.39	0.01
2/15/2017 11:00	7.149	131.9	14.94	9.78	29.36	0.01
2/15/2017 11:15	7.418	152.4	15.59	9.92	29.36	0.01
2/15/2017 11:30	8.94	151.9	13	9.85	29.36	0.01
2/15/2017 11:45	10.16	146.7	10.72	9.68	29.36	0.02
2/15/2017 12:00	8.76	154.4	10.74	9.91	29.33	0.01
2/15/2017 12:15	7.577	142.2	13.85	10.02	29.33	0.01
2/15/2017 12:30	9.13	137.9	11.79	10.22	29.33	0.01
2/15/2017 12:45	8.76	130.1	11.27	10.22	29.33	0.02
2/15/2017 13:00	5.315	119.1	17.6	10.1	29.26	0.02
2/15/2017 13:15	4.432	97.9	17.35	9.99	29.26	0.01
2/15/2017 13:30	3.241	125.8	20.2	10.01	29.26	0.02
2/15/2017 13:45	7.477	127.7	21.35	10.11	29.26	0.02
2/15/2017 14:00	10.62	127.7	11.17	10.29	29.2	0.02
2/15/2017 14:15	13.47	131	10.71	10.43	29.2	0.02
2/15/2017 14:30	13.32	129.6	11.32	10.2	29.2	0.02
2/15/2017 14:45	10.67	128.8	10.98	9.92	29.2	0.02
2/15/2017 15:00	8.49	122.6	12.39	9.7	29.1	0.01
2/15/2017 15:15	9.39	122.7	11.15	9.77	29.1	0.02
2/15/2017 15:30	6.346	125.4	13.75	9.87	29.1	0.02
2/15/2017 15:45	11.54	137.1	12.35	9.86	29.1	0.02
2/15/2017 16:00	17.92	136.2	9.83	10.15	29.06	0.02
2/15/2017 16:15	18.48	137.6	9.63	10.14	29.06	0.02
2/15/2017 16:30	19.79	135.1	9.19	10.27	29.06	0
2/15/2017 16:45	18.14	132.1	9.98	10.26	29.06	0.02
2/15/2017 17:00	18.45	134.2	9.57	10.61	29.07	0
2/15/2017 17:15	19.16	134.3	8.23	10.84	29.07	0.01
2/15/2017 17:30	17.11	136.3	8.62	10.74	29.07	0.01
2/15/2017 17:45	17	132.5	9.71	10.82	29.07	0
2/15/2017 18:00	16.8	131.4	8.87	11.16	29.05	0
2/15/2017 18:15	15.55	136.9	9.01	11.51	29.05	0
2/15/2017 18:30	13.88	143.7	10.47	11.39	29.05	0
2/15/2017 18:45	10.97	155.7	19.08	10.73	29.05	0
2/15/2017 19:00	9.2	158.2	23.63	10.3	29.06	0.03
2/15/2017 19:15	8.82	134.4	14.1	9.95	29.06	0.01
2/15/2017 19:30	11.11	127.2	11.61	10.25	29.06	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/2017 19:45	13.47	131.4	10.27	10.46	29.06	0
2/15/2017 20:00	14.19	135.8	9.08	11.1	29.01	0
2/15/2017 20:15	15.28	138.5	9.36	11.1	29.01	0
2/15/2017 20:30	12.25	147.6	14.17	10.82	29.01	0
2/15/2017 20:45	10.38	166.6	13.25	9.98	29.01	0.01
2/15/2017 21:00	9.69	152.2	12.41	9.49	29.03	0.01
2/15/2017 21:15	10.78	133.7	10.46	9.69	29.03	0.02
2/15/2017 21:30	11.88	131.6	9.2	9.82	29.03	0.01
2/15/2017 21:45	14.14	130.3	11.05	9.82	29.03	0
2/15/2017 22:00	16.84	134.6	9.56	9.88	29.01	0.01
2/15/2017 22:15	16.78	137.9	8.7	9.79	29.01	0.01
2/15/2017 22:30	15.16	132.2	9.54	9.92	29.01	0.02
2/15/2017 22:45	15.42	132.1	9.25	9.96	29.01	0.01
2/15/2017 23:00	16.1	131.6	9.74	10.12	28.97	0
2/15/2017 23:15	18.03	138.3	10.49	9.98	28.97	0.02
2/15/2017 23:30	17.11	135.5	8.65	9.98	28.97	0.01
2/15/2017 23:45	15.73	132.1	9.17	10.4	28.97	0.01
2/16/2017 0:00	14	141	11.31	10.23	28.96	0.02
2/16/2017 0:15	15.94	142.4	9.88	9.67	28.96	0.03
2/16/2017 0:30	11.51	138.5	9.03	9.67	28.96	0.04
2/16/2017 0:45	9.7	149.4	10.04	9.34	28.96	0.05
2/16/2017 1:00	10.32	153	25.43	8.95	28.98	0.06
2/16/2017 1:15	7.201	165.5	48.68	8.66	28.98	0.05
2/16/2017 1:30	3.806	166.8	43.56	8.99	28.98	0.11
2/16/2017 1:45	4.193	162.2	31.45	9.06	28.98	0.14
2/16/2017 2:00	6.892	191	32.29	8.27	28.99	0.15
2/16/2017 2:15	10.56	165.9	17.03	9.02	28.99	0.05
2/16/2017 2:30	5.819	119.7	15.11	8.9	28.99	0.02
2/16/2017 2:45	5.673	125.9	10.53	8.9	28.99	0.04
2/16/2017 3:00	4.585	133.3	13.78	9.06	28.97	0.03
2/16/2017 3:15	6.887	161.9	17.92	8.95	28.97	0.05
2/16/2017 3:30	7.127	151.9	10.76	9.05	28.97	0.04
2/16/2017 3:45	10.92	134.8	10.22	9.08	28.97	0.03
2/16/2017 4:00	9.31	151.6	16.33	9.27	28.95	0.01
2/16/2017 4:15	8.79	159	10	9.28	28.95	0.02
2/16/2017 4:30	7.555	177.5	16.29	8.85	28.95	0.03
2/16/2017 4:45	6.706	150.9	16.47	9.05	28.95	0.02
2/16/2017 5:00	9.37	185.8	60.15	9.04	28.94	0.05
2/16/2017 5:15	6.904	237.8	40.13	8.86	28.94	0.08
2/16/2017 5:30	4.496	262.7	16.48	8.87	28.94	0.1
2/16/2017 5:45	1.826	144.5	48.99	8.64	28.94	0.01
2/16/2017 6:00	1.728	104.3	0.886	8.31	28.98	0
2/16/2017 6:15	3.17	187.9	46.65	8.55	28.98	0
2/16/2017 6:30	3.208	184.8	20.26	8.59	28.98	0
2/16/2017 6:45	3.197	151.7	12.16	8.45	28.98	0
2/16/2017 7:00	3.379	145.2	10.46	8.38	28.98	0
2/16/2017 7:15	5.544	180.6	15.39	8.36	28.98	0
2/16/2017 7:30	6.858	191	6.952	8.37	28.98	0
2/16/2017 7:45	6.095	212.6	12.35	8.43	28.98	0
2/16/2017 8:00	8.26	212.1	6.771	8.6	29	0
2/16/2017 8:15	4.931	178.8	21.05	8.62	29	0
2/16/2017 8:30	3.892	163.2	21.09	8.57	29	0
2/16/2017 8:45	3.346	191.5	18.71	8.69	29	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/16/2017 9:00	5.199	238.7	12.26	8.64	29.01	0
2/16/2017 9:15	6.57	243.6	9.2	8.59	29.01	0
2/16/2017 9:30	7.445	255.1	9.78	8.47	29.01	0
2/16/2017 9:45	8.86	256.4	9.19	8.49	29.01	0
2/16/2017 10:00	8.54	258.6	7.327	8.42	29.02	0
2/16/2017 10:15	5.224	261.1	14.08	8.6	29.02	0
2/16/2017 10:30	2.177	165	39.58	8.63	29.02	0
2/16/2017 10:45	3.644	113	11.44	8.6	29.02	0
2/16/2017 11:00	4.231	96.8	13.97	8.5	29.04	0
2/16/2017 11:15	4.936	137.6	16.83	8.85	29.04	0
2/16/2017 11:30	6.673	160.5	14.61	9.32	29.04	0
2/16/2017 11:45	6.174	165.2	16.75	9.59	29.04	0
2/16/2017 12:00	6.037	166.3	17.46	9.59	29.05	0
2/16/2017 12:15	5.677	148.4	13.88	9.57	29.05	0
2/16/2017 12:30	4.184	159.9	23.56	9.87	29.05	0
2/16/2017 12:45	4.328	163.2	20.9	9.69	29.05	0
2/16/2017 13:00	3.196	197.3	28.58	9.78	29.05	0
2/16/2017 13:15	4.647	195.4	15.54	9.64	29.05	0
2/16/2017 13:30	4.51	228.5	12.8	9.8	29.05	0
2/16/2017 13:45	4.197	254.4	10.86	9.82	29.05	0
2/16/2017 14:00	3.507	274.1	14.53	9.89	29.06	0
2/16/2017 14:15	4.914	278.8	9.49	9.83	29.06	0
2/16/2017 14:30	5.414	264.7	19.36	10.06	29.06	0
2/16/2017 14:45	5.257	262.5	11.77	10.25	29.06	0
2/16/2017 15:00	5.271	254.7	14.04	10.25	29.08	0
2/16/2017 15:15	6.298	220.7	14.96	10.33	29.08	0
2/16/2017 15:30	6.984	209.6	9.55	10.26	29.08	0
2/16/2017 15:45	7.131	232.5	7.933	10.24	29.08	0
2/16/2017 16:00	8.69	233.7	7.127	10.1	29.11	0
2/16/2017 16:15	8.1	240	7.3	10	29.11	0
2/16/2017 16:30	6.597	237.3	9.75	9.87	29.11	0
2/16/2017 16:45	5.576	232.4	9.4	9.77	29.11	0
2/16/2017 17:00	6.807	226.8	6.57	9.59	29.14	0
2/16/2017 17:15	6.753	238.2	5.803	9.52	29.14	0
2/16/2017 17:30	10.4	243.5	6.99	9.45	29.14	0
2/16/2017 17:45	10.28	231	7.77	9.29	29.14	0
2/16/2017 18:00	12	230.1	8.61	9.19	29.18	0
2/16/2017 18:15	9.93	196.4	7.76	8.48	29.18	0
2/16/2017 18:30	8.17	196.2	8.6	8.16	29.18	0
2/16/2017 18:45	6.537	214.4	13.58	8.08	29.18	0
2/16/2017 19:00	8.26	195.3	14.3	7.882	29.22	0
2/16/2017 19:15	8.28	180.5	10.81	7.703	29.22	0
2/16/2017 19:30	8.35	183.2	11.08	7.54	29.22	0
2/16/2017 19:45	9.88	189	5.967	7.502	29.22	0
2/16/2017 20:00	10.09	189	8.17	7.606	29.26	0
2/16/2017 20:15	10.51	191.3	7.966	7.602	29.26	0
2/16/2017 20:30	10.91	205.5	9.18	7.627	29.26	0
2/16/2017 20:45	10.04	184.9	9.11	7.57	29.26	0
2/16/2017 21:00	11.64	203.7	8.28	7.592	29.3	0
2/16/2017 21:15	11.67	206	7.106	7.583	29.3	0
2/16/2017 21:30	12.8	204.1	8.47	7.57	29.3	0
2/16/2017 21:45	11.86	199.1	7.855	7.502	29.3	0
2/16/2017 22:00	11.6	199.5	6.722	7.409	29.33	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/16/2017 22:15	11.84	203.5	7.299	7.323	29.33	0
2/16/2017 22:30	11.47	194.6	7.398	7.271	29.33	0
2/16/2017 22:45	11.22	190	7.101	7.265	29.33	0
2/16/2017 23:00	10.52	190.1	7.899	7.243	29.36	0
2/16/2017 23:15	8.54	186.9	8.07	7.263	29.36	0
2/16/2017 23:30	7.237	203	7.134	7.208	29.36	0
2/16/2017 23:45	8.07	197.4	6.899	6.955	29.36	0
2/17/2017 0:00	7.451	194.6	6.177	6.791	29.38	0
2/17/2017 0:15	7.997	186.9	9.03	6.866	29.38	0
2/17/2017 0:30	7.563	184	8.88	6.813	29.38	0
2/17/2017 0:45	8.65	184.4	7.716	6.742	29.38	0
2/17/2017 1:00	7.85	182	6.713	6.779	29.4	0
2/17/2017 1:15	5.636	165.7	12.66	6.559	29.4	0
2/17/2017 1:30	6.137	170.3	14.05	6.638	29.4	0
2/17/2017 1:45	7.321	189.2	7.401	6.527	29.4	0
2/17/2017 2:00	6.946	180.3	11.88	6.319	29.4	0
2/17/2017 2:15	2.929	140.8	17.44	6.042	29.4	0
2/17/2017 2:30	3.743	116.7	8.51	5.797	29.4	0
2/17/2017 2:45	3.574	128.2	11.56	6.194	29.4	0
2/17/2017 3:00	2.35	158.6	19.01	6.498	29.4	0.02
2/17/2017 3:15	2.473	155	14.04	6.602	29.4	0
2/17/2017 3:30	1.11	88.2	18.02	6.569	29.4	0
2/17/2017 3:45	3.823	103.7	11.37	6.056	29.4	0.01
2/17/2017 4:00	4.52	120.3	3.676	6.069	29.39	0
2/17/2017 4:15	5.315	129.4	7.62	6.126	29.39	0
2/17/2017 4:30	5.048	143.4	7.726	6.19	29.39	0
2/17/2017 4:45	3.693	186.1	14.59	6.191	29.39	0
2/17/2017 5:00	3.196	140.2	27.59	6.617	29.38	0
2/17/2017 5:15	2.07	94.7	7.324	6.319	29.38	0
2/17/2017 5:30	1.661	83.9	5.792	6.178	29.38	0
2/17/2017 5:45	1.389	79.33	0.249	6.264	29.38	0
2/17/2017 6:00	0.794	81.2	1.252	6.085	29.37	0
2/17/2017 6:15	1.663	183.3	18.72	5.93	29.37	0
2/17/2017 6:30	1.396	155	13.31	5.448	29.37	0
2/17/2017 6:45	1.974	76.7	21.93	4.767	29.37	0
2/17/2017 7:00	3.284	94.5	21.17	4.81	29.36	0
2/17/2017 7:15	3.691	78.67	17.51	4.635	29.36	0
2/17/2017 7:30	2.309	57.8	24.32	4.688	29.36	0
2/17/2017 7:45	1.826	54.35	5.888	5.012	29.36	0
2/17/2017 8:00	1.2	34.26	3.105	5.452	29.36	0
2/17/2017 8:15	0.44	56.44	6.007	5.662	29.36	0
2/17/2017 8:30	0.704	68.5	23.94	5.502	29.36	0
2/17/2017 8:45	3.255	144.5	7.91	5.748	29.36	0
2/17/2017 9:00	2.414	106.7	11.94	5.989	29.35	0
2/17/2017 9:15	3.553	93.9	8.54	6.241	29.35	0
2/17/2017 9:30	3.233	98.8	7.337	7.127	29.35	0
2/17/2017 9:45	2.613	76.3	17.6	7.827	29.35	0
2/17/2017 10:00	1.446	45.15	8.41	8.28	29.32	0
2/17/2017 10:15	1.137	329.5	29.5	8.97	29.32	0
2/17/2017 10:30	2.151	357.9	27.16	9.4	29.32	0
2/17/2017 10:45	3.467	29.73	8.53	8.94	29.32	0
2/17/2017 11:00	3.712	22.35	14.06	9.09	29.31	0
2/17/2017 11:15	4.8	35.22	10	9.27	29.31	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/17/2017 11:30	8.04	30.32	9.04	9.33	29.31	0
2/17/2017 11:45	10.59	30.19	8.54	9.24	29.31	0
2/17/2017 12:00	11.21	27.92	9.89	9.48	29.25	0
2/17/2017 12:15	12.79	31.58	7.613	9.61	29.25	0
2/17/2017 12:30	11.54	28.82	10.16	9.81	29.25	0
2/17/2017 12:45	8.55	13.96	12.43	10.35	29.25	0
2/17/2017 13:00	7.147	30.21	14.87	10.75	29.21	0
2/17/2017 13:15	6.609	32.42	17.55	10.9	29.21	0
2/17/2017 13:30	6.963	33.17	16.39	10.89	29.21	0
2/17/2017 13:45	5.88	12.55	20.93	11.18	29.21	0
2/17/2017 14:00	5.883	7.163	27.57	11.47	29.17	0
2/17/2017 14:15	7.862	30.54	11.3	11.25	29.17	0
2/17/2017 14:30	8.57	26.11	7.687	11.19	29.17	0
2/17/2017 14:45	8.48	23.92	10.29	11.3	29.17	0
2/17/2017 15:00	7.89	11.39	13.42	11.56	29.14	0
2/17/2017 15:15	7.328	13.2	13.51	11.68	29.14	0
2/17/2017 15:30	9.17	10.65	10.03	11.53	29.14	0
2/17/2017 15:45	9.92	20.52	10.81	11.42	29.14	0
2/17/2017 16:00	9.83	19.03	10.37	11.45	29.11	0
2/17/2017 16:15	10.81	18.2	9.27	11.24	29.11	0
2/17/2017 16:30	10.61	11.34	9.93	11.12	29.11	0
2/17/2017 16:45	11.07	6.028	10.92	11.03	29.11	0
2/17/2017 17:00	10.65	7.754	11.81	10.86	29.11	0
2/17/2017 17:15	11.04	0.57	15.16	10.35	29.11	0
2/17/2017 17:30	6.902	7.769	22.82	9.88	29.11	0
2/17/2017 17:45	9.92	28.41	12.79	9.41	29.11	0
2/17/2017 18:00	9.69	32.61	13.5	9.11	29.09	0
2/17/2017 18:15	9.55	47.32	14.39	8.65	29.09	0
2/17/2017 18:30	11.04	43.65	16.04	8.17	29.09	0
2/17/2017 18:45	15.72	34.25	10.64	8.09	29.09	0
2/17/2017 19:00	13.66	29.25	12.54	7.66	29.07	0
2/17/2017 19:15	14.45	30.79	13.57	7.303	29.07	0
2/17/2017 19:30	13.05	31.2	12.9	6.95	29.07	0
2/17/2017 19:45	13.74	28.82	10.86	6.711	29.07	0
2/17/2017 20:00	12.25	17.66	10.35	6.543	29.06	0
2/17/2017 20:15	14.38	17.63	12.21	6.568	29.06	0
2/17/2017 20:30	12.76	14.88	13.13	6.505	29.06	0
2/17/2017 20:45	10.58	11.83	12.08	6.479	29.06	0
2/17/2017 21:00	11.9	16.57	10.01	6.257	29.06	0
2/17/2017 21:15	12.78	20.73	10.1	6.19	29.06	0
2/17/2017 21:30	13.12	22.6	9.14	6.134	29.06	0
2/17/2017 21:45	12.44	21.71	8.74	6.041	29.06	0
2/17/2017 22:00	11.47	22.91	9.88	5.999	29.04	0
2/17/2017 22:15	12.3	25.24	8.25	5.917	29.04	0
2/17/2017 22:30	11.02	24.54	8.57	5.839	29.04	0
2/17/2017 22:45	12.09	26.98	9.02	5.769	29.04	0
2/17/2017 23:00	11.54	23.04	10.69	5.584	29.04	0
2/17/2017 23:15	10.95	22.67	9.97	5.579	29.04	0
2/17/2017 23:30	11.33	25.63	8.41	5.499	29.04	0
2/17/2017 23:45	12.32	26.07	8.85	5.401	29.04	0
2/18/2017 0:00	12.14	26.09	8.52	5.398	29	0
2/18/2017 0:15	12.15	24.98	8.45	5.392	29	0
2/18/2017 0:30	12.09	21.93	8.56	5.335	29	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/2017 0:45	13.21	24.51	9.33	5.333	29	0
2/18/2017 1:00	13.95	25.82	9.21	5.285	28.98	0
2/18/2017 1:15	11.36	27.04	10.01	5.28	28.98	0
2/18/2017 1:30	11.02	24.24	8.93	5.23	28.98	0
2/18/2017 1:45	13.68	25.34	9.25	5.189	28.98	0
2/18/2017 2:00	13.98	30.76	10.23	5.033	28.97	0
2/18/2017 2:15	12.92	33.6	9.88	4.95	28.97	0
2/18/2017 2:30	13.23	27.69	8.26	4.948	28.97	0
2/18/2017 2:45	12.09	29.07	8.23	4.806	28.97	0
2/18/2017 3:00	10.37	28.27	9.09	4.674	28.98	0
2/18/2017 3:15	9.78	32.81	8.04	4.672	28.98	0
2/18/2017 3:30	9.56	39.08	10.35	4.56	28.98	0
2/18/2017 3:45	8.86	38.52	8.44	4.413	28.98	0
2/18/2017 4:00	9.09	36.19	8.53	4.434	28.98	0
2/18/2017 4:15	9.31	39.3	9.55	4.422	28.98	0
2/18/2017 4:30	9.09	42.63	9.84	4.416	28.98	0
2/18/2017 4:45	7.122	36.66	8.39	4.381	28.98	0
2/18/2017 5:00	8.55	39.72	8.09	4.374	28.98	0
2/18/2017 5:15	10.73	39.74	10.77	4.345	28.98	0
2/18/2017 5:30	11.11	45.13	8.21	4.293	28.98	0
2/18/2017 5:45	8.66	42.13	8.14	4.295	28.98	0
2/18/2017 6:00	6.285	30.96	8.15	4.251	28.97	0
2/18/2017 6:15	6.428	25.89	11.57	4.34	28.97	0
2/18/2017 6:30	3.154	27.61	7.857	4.252	28.97	0
2/18/2017 6:45	1.425	27.4	2.027	4.207	28.97	0
2/18/2017 7:00	0.621	63.16	48.48	4.32	28.97	0
2/18/2017 7:15	2.435	214.7	8.19	4.41	28.97	0
2/18/2017 7:30	1.237	223.6	23.91	4.318	28.97	0.01
2/18/2017 7:45	2.345	63.99	33.21	4.145	28.97	0.01
2/18/2017 8:00	4.279	32.34	7.827	4.077	28.96	0
2/18/2017 8:15	2.91	23.21	7.825	4.083	28.96	0
2/18/2017 8:30	3.28	26.82	9.98	4.15	28.96	0
2/18/2017 8:45	5.46	37.69	7.854	4.231	28.96	0.01
2/18/2017 9:00	5.138	32.65	9.01	4.293	28.96	0
2/18/2017 9:15	5.492	42.68	7.401	4.313	28.96	0.01
2/18/2017 9:30	4.429	47.51	8.8	4.409	28.96	0
2/18/2017 9:45	4.169	40.37	6.969	4.578	28.96	0
2/18/2017 10:00	3.401	52.22	6.542	4.677	28.96	0
2/18/2017 10:15	2.298	50.79	5.804	4.792	28.96	0
2/18/2017 10:30	0.933	55.46	0.127	4.859	28.96	0.01
2/18/2017 10:45	0.393	55.46	0.081	5.07	28.96	0
2/18/2017 11:00	0.738	86.9	17.08	5.108	28.96	0
2/18/2017 11:15	3.319	176.3	18.75	5.413	28.96	0
2/18/2017 11:30	4.991	199.5	5.809	5.431	28.96	0
2/18/2017 11:45	5.724	198.4	7.035	5.385	28.96	0.01
2/18/2017 12:00	5.027	198.2	8.27	5.517	28.94	0
2/18/2017 12:15	5.967	199.1	8.29	5.546	28.94	0
2/18/2017 12:30	4.805	191.8	11.91	5.582	28.94	0.01
2/18/2017 12:45	6.304	195.5	6.74	5.458	28.94	0.01
2/18/2017 13:00	6.265	199.7	7.336	5.494	28.94	0.01
2/18/2017 13:15	5.887	198.1	7.236	5.575	28.94	0
2/18/2017 13:30	6.979	200.6	7.396	5.595	28.94	0.01
2/18/2017 13:45	6.213	198.5	5.641	5.676	28.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/2017 14:00	5.422	193.2	9.64	5.72	28.94	0.01
2/18/2017 14:15	5.847	187.2	8.09	5.666	28.94	0
2/18/2017 14:30	5.526	183.7	10.45	5.637	28.94	0.01
2/18/2017 14:45	3.499	160.1	14.43	5.63	28.94	0
2/18/2017 15:00	4.628	142.2	7.006	5.543	28.94	0.01
2/18/2017 15:15	3.598	130	7.455	5.604	28.94	0
2/18/2017 15:30	4.772	135.2	9.99	5.558	28.94	0
2/18/2017 15:45	5.004	143.2	11.04	5.493	28.94	0.01
2/18/2017 16:00	4.849	147.7	10.2	5.563	28.95	0
2/18/2017 16:15	5.131	136.7	10.21	5.543	28.95	0.01
2/18/2017 16:30	5.343	132.3	12.82	5.484	28.95	0
2/18/2017 16:45	4.322	128.4	13.2	5.442	28.95	0
2/18/2017 17:00	4.057	185	34.14	5.5	28.95	0
2/18/2017 17:15	5.073	134.3	7.787	5.372	28.95	0
2/18/2017 17:30	5.34	139	9.9	5.351	28.95	0.01
2/18/2017 17:45	4.054	153.4	21.85	5.419	28.95	0
2/18/2017 18:00	4.482	136	10.17	5.432	28.95	0
2/18/2017 18:15	4.244	151.1	15.67	5.532	28.95	0
2/18/2017 18:30	4.289	148.4	5.832	5.458	28.95	0.01
2/18/2017 18:45	4.966	154.4	10.33	5.425	28.95	0.02
2/18/2017 19:00	5.854	151.4	9.8	5.459	28.96	0.01
2/18/2017 19:15	5.622	168.8	13.28	5.516	28.96	0.01
2/18/2017 19:30	5.064	167	10.52	5.526	28.96	0
2/18/2017 19:45	5.375	152.2	10.99	5.482	28.96	0
2/18/2017 20:00	5.172	144.9	7.177	5.447	28.97	0
2/18/2017 20:15	4.249	145.5	8.62	5.454	28.97	0
2/18/2017 20:30	3.681	142.5	6.581	5.435	28.97	0
2/18/2017 20:45	3.614	143.8	10.13	5.375	28.97	0
2/18/2017 21:00	4.011	140.4	5.775	5.374	28.98	0
2/18/2017 21:15	4.702	142.4	6.409	5.38	28.98	0
2/18/2017 21:30	6.078	157.4	5.151	5.401	28.98	0
2/18/2017 21:45	7.515	170.9	12.32	5.402	28.98	0.01
2/18/2017 22:00	7.179	166.5	9.4	5.314	28.98	0
2/18/2017 22:15	6.839	163.7	7.35	5.207	28.98	0.01
2/18/2017 22:30	4.99	149	9.94	5.125	28.98	0
2/18/2017 22:45	5.098	136.8	9.06	5.035	28.98	0.01
2/18/2017 23:00	5.047	131.2	6.167	4.939	28.99	0
2/18/2017 23:15	5.648	135.6	7.328	4.91	28.99	0.01
2/18/2017 23:30	6.122	133.1	7.029	4.843	28.99	0
2/18/2017 23:45	6.751	125.9	8.54	4.739	28.99	0
2/19/2017 0:00	7.191	128.1	8.26	4.651	28.97	0
2/19/2017 0:15	7.106	133	9.32	4.678	28.97	0
2/19/2017 0:30	6.404	115.6	7.659	4.657	28.97	0
2/19/2017 0:45	6.042	114.4	6.52	4.714	28.97	0
2/19/2017 1:00	5.382	113.1	5.073	4.728	28.97	0
2/19/2017 1:15	4.824	122.4	13.35	4.806	28.97	0
2/19/2017 1:30	4.305	116	6.202	4.801	28.97	0
2/19/2017 1:45	3.764	113.3	4.356	4.661	28.97	0
2/19/2017 2:00	3.905	123.2	3.765	4.594	28.95	0
2/19/2017 2:15	3.662	148.6	31.86	4.632	28.95	0
2/19/2017 2:30	2.911	192.4	14.05	4.562	28.95	0
2/19/2017 2:45	3.232	179.7	13.91	4.742	28.95	0
2/19/2017 3:00	2.73	169.5	8.58	4.611	28.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/19/2017 3:15	3.674	176.5	9.9	4.28	28.94	0
2/19/2017 3:30	1.897	120.5	14.17	4.15	28.94	0
2/19/2017 3:45	2.347	105.3	6.995	3.983	28.94	0
2/19/2017 4:00	4.439	116.9	4.822	4.311	28.92	0
2/19/2017 4:15	4.828	110.3	14.29	4.536	28.92	0
2/19/2017 4:30	4.273	79.53	16.28	4.284	28.92	0
2/19/2017 4:45	3.318	63.09	12.76	4.362	28.92	0
2/19/2017 5:00	4.386	35.08	4.116	3.817	28.89	0
2/19/2017 5:15	3.85	38.07	3.724	3.771	28.89	0
2/19/2017 5:30	3.843	47.79	10.95	3.748	28.89	0
2/19/2017 5:45	2.206	30.5	12.16	3.462	28.89	0
2/19/2017 6:00	3.331	103.8	37.38	3.757	28.9	0
2/19/2017 6:15	4.022	166.2	25.66	4.199	28.9	0
2/19/2017 6:30	9.73	177.8	23.25	4.727	28.9	0.01
2/19/2017 6:45	4.483	153.8	14.88	4.655	28.9	0
2/19/2017 7:00	3.355	146.5	23.15	4.348	28.93	0.01
2/19/2017 7:15	5.198	153.1	14.03	4.427	28.93	0
2/19/2017 7:30	5.831	140.5	13.2	4.545	28.93	0.01
2/19/2017 7:45	8.56	164.2	27.1	4.391	28.93	0.01
2/19/2017 8:00	7.304	129.2	10.95	4.827	28.95	0
2/19/2017 8:15	7.584	145.5	11.52	4.992	28.95	0
2/19/2017 8:30	8.59	144.7	14.39	5.116	28.95	0
2/19/2017 8:45	7.546	134.4	9.41	5.386	28.95	0
2/19/2017 9:00	8.38	139.3	8.63	5.679	28.97	0
2/19/2017 9:15	8.65	136.2	7.591	5.995	28.97	0
2/19/2017 9:30	7.641	142.1	9.77	6.382	28.97	0
2/19/2017 9:45	8.35	139.2	9.59	7.239	28.97	0
2/19/2017 10:00	6.849	153.4	11.11	6.99	29	0
2/19/2017 10:15	5.926	153.2	10.9	6.98	29	0
2/19/2017 10:30	6.211	152.3	10.08	6.993	29	0
2/19/2017 10:45	5.202	166.6	15.08	7.237	29	0
2/19/2017 11:00	6.697	196	9.52	7.268	29.02	0
2/19/2017 11:15	5.793	189.8	20.47	7.155	29.02	0
2/19/2017 11:30	7.869	159.6	11.64	7.217	29.02	0
2/19/2017 11:45	10.27	172	9.89	7.136	29.02	0
2/19/2017 12:00	9.34	180.3	12.08	6.83	29.04	0.02
2/19/2017 12:15	8.86	188.4	7.679	6.442	29.04	0.01
2/19/2017 12:30	6.692	153.9	21.33	6.18	29.04	0
2/19/2017 12:45	8.24	132.8	12.11	5.851	29.04	0.01
2/19/2017 13:00	10.28	148.3	11.33	5.422	29.06	0.03
2/19/2017 13:15	9.73	139.7	11.68	5.349	29.06	0.01
2/19/2017 13:30	9.6	127.7	9.5	5.322	29.06	0
2/19/2017 13:45	8.74	121.7	11.97	5.31	29.06	0
2/19/2017 14:00	7.008	116.2	14.53	5.409	29.06	0
2/19/2017 14:15	2.496	122	23.32	5.66	29.06	0
2/19/2017 14:30	4.824	112.5	22.45	5.816	29.06	0.01
2/19/2017 14:45	3.215	92.9	28	5.767	29.06	0
2/19/2017 15:00	6.541	156.7	16.14	5.98	29.06	0.01
2/19/2017 15:15	7.2	121.3	14.73	6.052	29.06	0
2/19/2017 15:30	9.81	135.2	9.69	6.278	29.06	0
2/19/2017 15:45	8.73	139.4	8.92	6.474	29.06	0
2/19/2017 16:00	9.05	151.1	11.41	6.36	29.08	0.01
2/19/2017 16:15	9.03	163.3	20.44	6.14	29.08	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/19/2017 16:30	6.282	172.6	21.14	6.11	29.08	0
2/19/2017 16:45	7.341	168.9	21.54	5.837	29.08	0.01
2/19/2017 17:00	8.28	144.4	8.66	5.891	29.1	0
2/19/2017 17:15	8.72	138.6	6.446	6.105	29.1	0
2/19/2017 17:30	9.7	151.8	9.63	6.256	29.1	0
2/19/2017 17:45	10.55	160.6	5.839	6.359	29.1	0
2/19/2017 18:00	9.82	159.8	6.564	6.389	29.12	0
2/19/2017 18:15	8.12	161.3	5.874	6.39	29.12	0
2/19/2017 18:30	8.85	157.4	7.711	6.505	29.12	0
2/19/2017 18:45	9.18	171.8	11.34	6.443	29.12	0
2/19/2017 19:00	11.01	165.1	14.78	6.356	29.15	0
2/19/2017 19:15	10.01	158.9	7.213	6.271	29.15	0.01
2/19/2017 19:30	7.47	155.1	10.59	6.154	29.15	0
2/19/2017 19:45	7.406	155	6.221	6.102	29.15	0
2/19/2017 20:00	7.641	154.2	7.81	6.055	29.17	0
2/19/2017 20:15	6.962	158.6	9.76	6.099	29.17	0
2/19/2017 20:30	8.38	166.7	8.55	6.298	29.17	0
2/19/2017 20:45	7.397	166	7.709	6.326	29.17	0
2/19/2017 21:00	5.059	153	12.24	6.32	29.19	0
2/19/2017 21:15	5.017	152.6	10.11	6.294	29.19	0
2/19/2017 21:30	4.894	140.8	11.08	6.222	29.19	0
2/19/2017 21:45	6.354	151.4	9.73	6.388	29.19	0
2/19/2017 22:00	5.554	151.3	5.623	6.504	29.2	0
2/19/2017 22:15	4.905	148.3	6.615	6.4	29.2	0
2/19/2017 22:30	4.881	128.5	5.919	6.166	29.2	0
2/19/2017 22:45	3.985	133.5	12.3	6.176	29.2	0
2/19/2017 23:00	4.007	149	18.45	6.198	29.2	0
2/19/2017 23:15	4.739	166.8	16.52	5.79	29.2	0
2/19/2017 23:30	4.174	164.9	11.69	5.514	29.2	0
2/19/2017 23:45	3.606	138.6	22.6	5.752	29.2	0
2/20/2017 0:00	4.405	135.8	5.172	5.919	29.2	0
2/20/2017 0:15	5.051	148.4	17.17	5.959	29.2	0
2/20/2017 0:30	4.826	149.8	20.41	5.667	29.2	0
2/20/2017 0:45	4.445	136.9	7.072	5.829	29.2	0
2/20/2017 1:00	4.375	140.4	14.4	6.134	29.19	0
2/20/2017 1:15	3.986	143.9	14.76	6.111	29.19	0
2/20/2017 1:30	2.854	112.6	15.26	6.19	29.19	0
2/20/2017 1:45	1.112	115.5	36.53	6.266	29.19	0
2/20/2017 2:00	1.854	141.5	31.7	5.424	29.17	0
2/20/2017 2:15	1.732	56.7	5.76	5.032	29.17	0
2/20/2017 2:30	2.003	55.05	1.793	5.29	29.17	0
2/20/2017 2:45	0.327	62.48	1.15	5.466	29.17	0
2/20/2017 3:00	3.09	138.6	22.81	5.589	29.16	0
2/20/2017 3:15	2.198	208	33.42	5.327	29.16	0.01
2/20/2017 3:30	3.075	45.68	33.38	4.59	29.16	0
2/20/2017 3:45	2.676	32.01	9.38	4.728	29.16	0
2/20/2017 4:00	3.997	31.85	6.109	4.864	29.1	0
2/20/2017 4:15	4.515	32.42	6.795	4.493	29.1	0
2/20/2017 4:30	5.103	32.37	10.61	4.406	29.1	0
2/20/2017 4:45	4.497	36.91	13.58	4.358	29.1	0
2/20/2017 5:00	2.887	52.55	19.65	4.177	29.07	0
2/20/2017 5:15	4.275	23.67	5.172	4.298	29.07	0
2/20/2017 5:30	4.23	19.43	5.39	4.246	29.07	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/20/2017 5:45	3.957	21.48	3.856	4.209	29.07	0
2/20/2017 6:00	2.826	18.6	2.858	4.116	29.06	0
2/20/2017 6:15	4.42	28.38	7.18	4.15	29.06	0
2/20/2017 6:30	4.531	34.65	8.88	4.117	29.06	0
2/20/2017 6:45	5.823	30.89	9.88	4.124	29.06	0
2/20/2017 7:00	6.916	27.89	8.71	4.34	29.02	0
2/20/2017 7:15	7.665	29.97	6.045	4.513	29.02	0
2/20/2017 7:30	6.596	30.94	7.152	4.292	29.02	0
2/20/2017 7:45	6.066	27.84	8.03	4.13	29.02	0
2/20/2017 8:00	6.763	31.48	8.33	3.914	29	0.01
2/20/2017 8:15	7.724	27.37	7.123	3.973	29	0
2/20/2017 8:30	9.05	23.38	7.563	4.337	29	0
2/20/2017 8:45	9.7	21	8.42	4.409	29	0
2/20/2017 9:00	10.13	24.77	7.923	4.545	29	0
2/20/2017 9:15	9.83	24.03	8.87	4.685	29	0
2/20/2017 9:30	9.39	26.71	8.34	4.874	29	0
2/20/2017 9:45	10.19	26.84	7.984	4.757	29	0
2/20/2017 10:00	9.29	29.46	9.53	4.919	29.02	0.01
2/20/2017 10:15	9.27	19.86	9.54	4.882	29.02	0
2/20/2017 10:30	9.83	19.87	10.19	5.173	29.02	0
2/20/2017 10:45	10.69	25.4	10.17	5.265	29.02	0
2/20/2017 11:00	10.42	32.62	10.99	5.165	29.02	0
2/20/2017 11:15	7.811	49.25	13.45	5.078	29.02	0
2/20/2017 11:30	8.64	27.22	9.27	5.165	29.02	0.01
2/20/2017 11:45	7.93	25.36	6.298	5.174	29.02	0.01
2/20/2017 12:00	5.898	25.66	8.08	5.228	29.08	0.01
2/20/2017 12:15	2.315	19.91	3.077	5.312	29.08	0.01
2/20/2017 12:30	0.291	120.6	45.27	5.615	29.08	0.02
2/20/2017 12:45	3.052	258.1	15.08	5.663	29.08	0.02
2/20/2017 13:00	3.888	293.3	18.09	5.681	29.15	0.01
2/20/2017 13:15	3.054	304.1	11.01	5.849	29.15	0.02
2/20/2017 13:30	3.184	277.2	11.86	5.739	29.15	0.03
2/20/2017 13:45	3.876	266.3	13.54	5.745	29.15	0.02
2/20/2017 14:00	4.894	255.6	15.51	5.766	29.21	0.02
2/20/2017 14:15	7.148	248.4	8.99	5.635	29.21	0.02
2/20/2017 14:30	6.052	231.8	13.33	5.566	29.21	0.02
2/20/2017 14:45	5.971	191.9	11.56	5.41	29.21	0.02
2/20/2017 15:00	5.663	204.2	19.85	5.346	29.27	0.01
2/20/2017 15:15	4.949	205	13.38	5.418	29.27	0.01
2/20/2017 15:30	4.95	189.9	11.64	5.359	29.27	0
2/20/2017 15:45	5.497	183	9.25	5.311	29.27	0.01
2/20/2017 16:00	7.573	183.2	6.899	5.29	29.31	0.01
2/20/2017 16:15	8.11	183.4	11.45	5.445	29.31	0
2/20/2017 16:30	5.67	162.1	16.33	5.401	29.31	0
2/20/2017 16:45	5.59	142.8	8.7	5.27	29.31	0.01
2/20/2017 17:00	6.133	141.8	8.51	5.212	29.32	0
2/20/2017 17:15	5.008	124	8.64	5.188	29.32	0
2/20/2017 17:30	5.279	121	8.01	5.072	29.32	0
2/20/2017 17:45	4.284	108.8	10.78	5.042	29.32	0
2/20/2017 18:00	4.668	110.6	5.035	5.051	29.33	0
2/20/2017 18:15	4.518	111.2	5.923	5.147	29.33	0
2/20/2017 18:30	4.287	105.9	5.657	5.285	29.33	0
2/20/2017 18:45	4.089	116.3	9.5	5.305	29.33	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/20/2017 19:00	4.014	139.9	6.805	5.438	29.33	0
2/20/2017 19:15	4.314	146.9	8.41	5.506	29.33	0
2/20/2017 19:30	3.875	149.1	5.464	5.475	29.33	0
2/20/2017 19:45	3.302	144.1	6.995	5.188	29.33	0
2/20/2017 20:00	1.705	132.8	7.728	5.113	29.34	0
2/20/2017 20:15	2.013	98.3	30.59	5.245	29.34	0
2/20/2017 20:30	2.589	68.62	28.65	4.902	29.34	0
2/20/2017 20:45	4.389	116.1	5.377	5.137	29.34	0
2/20/2017 21:00	5.007	116.3	5.749	5.116	29.33	0
2/20/2017 21:15	3.977	129.3	4.197	5.449	29.33	0
2/20/2017 21:30	0.549	126.5	0.096	5.344	29.33	0.01
2/20/2017 21:45	2.033	70.71	19.34	4.911	29.33	0
2/20/2017 22:00	3.218	58.18	7.13	4.816	29.33	0
2/20/2017 22:15	2.867	49.16	0.488	4.731	29.33	0
2/20/2017 22:30	2.253	49.62	0.191	4.756	29.33	0
2/20/2017 22:45	1.632	49.62	0.191	4.822	29.33	0
2/20/2017 23:00	2.556	49.71	0.487	4.716	29.33	0
2/20/2017 23:15	3.645	61.75	12.26	4.617	29.33	0
2/20/2017 23:30	4.288	32.42	8.94	4.532	29.33	0
2/20/2017 23:45	4.966	21.09	6.401	4.462	29.33	0
2/21/2017 0:00	4.857	24.81	4.995	4.385	29.3	0
2/21/2017 0:15	5.648	20.36	7.454	4.277	29.3	0
2/21/2017 0:30	4.181	19.54	10.8	4.262	29.3	0
2/21/2017 0:45	0.987	38.92	0.979	4.085	29.3	0
2/21/2017 1:00	2.694	52.46	12.25	3.926	29.29	0
2/21/2017 1:15	5.796	50.11	12.08	3.944	29.29	0
2/21/2017 1:30	5.478	35.37	9.32	3.921	29.29	0
2/21/2017 1:45	4.353	47.49	8.54	3.765	29.29	0
2/21/2017 2:00	3.708	42.28	11.53	3.74	29.29	0
2/21/2017 2:15	4.139	32.35	12.51	3.79	29.29	0
2/21/2017 2:30	5.705	42.44	9.84	3.697	29.29	0
2/21/2017 2:45	5.255	20.9	10.24	3.713	29.29	0
2/21/2017 3:00	0.999	6.239	7.846	3.682	29.3	0
2/21/2017 3:15	0.625	31.55	7.557	3.686	29.3	0
2/21/2017 3:30	3.554	38.02	17.16	3.685	29.3	0
2/21/2017 3:45	9.82	32.94	5.306	3.637	29.3	0.01
2/21/2017 4:00	8.4	38.61	5.558	3.68	29.3	0
2/21/2017 4:15	6.977	42.05	4.879	3.655	29.3	0
2/21/2017 4:30	6.814	40.32	5.761	3.587	29.3	0.01
2/21/2017 4:45	6.625	31.78	4.671	3.597	29.3	0
2/21/2017 5:00	5.874	28.62	4.938	3.561	29.32	0
2/21/2017 5:15	3.478	30.87	6.66	3.53	29.32	0
2/21/2017 5:30	2.232	41.04	19.16	3.57	29.32	0.01
2/21/2017 5:45	2.223	52.01	16.88	3.622	29.32	0
2/21/2017 6:00	3.179	50.48	16.21	3.567	29.34	0
2/21/2017 6:15	3.921	55.13	4.959	3.517	29.34	0.01
2/21/2017 6:30	1.731	41.71	10.89	3.496	29.34	0
2/21/2017 6:45	2.542	50.43	8.76	3.496	29.34	0
2/21/2017 7:00	1.462	30.31	8.89	3.497	29.36	0
2/21/2017 7:15	1.903	61.97	28.49	3.593	29.36	0.01
2/21/2017 7:30	1.868	4.632	31.05	3.896	29.36	0
2/21/2017 7:45	1.839	356.5	63.97	4.026	29.36	0
2/21/2017 8:00	1.518	320.3	21.48	4.244	29.4	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/2017 8:15	2.854	22.53	20.13	4.232	29.4	0
2/21/2017 8:30	4.105	354.9	19.46	4.308	29.4	0
2/21/2017 8:45	3.884	356.9	34.84	4.419	29.4	0
2/21/2017 9:00	5.68	357.6	23.01	4.519	29.44	0
2/21/2017 9:15	5.432	5.38	17.4	4.52	29.44	0
2/21/2017 9:30	4.613	359.3	20.77	4.576	29.44	0
2/21/2017 9:45	1.241	9.24	11.3	4.526	29.44	0
2/21/2017 10:00	2.559	4.623	14.51	4.619	29.5	0
2/21/2017 10:15	3.365	13.7	26.85	4.706	29.5	0.01
2/21/2017 10:30	6.924	0.864	17.67	4.841	29.5	0
2/21/2017 10:45	5.033	351.3	22.25	4.872	29.5	0
2/21/2017 11:00	7.19	342.1	15.48	4.883	29.55	0
2/21/2017 11:15	8.21	2.984	17.36	4.902	29.55	0
2/21/2017 11:30	7.794	17.64	10.99	4.824	29.55	0
2/21/2017 11:45	5.044	16.4	12.81	4.803	29.55	0
2/21/2017 12:00	4.691	12.99	20.77	4.843	29.59	0
2/21/2017 12:15	5.085	30.73	14	4.84	29.59	0
2/21/2017 12:30	5.066	33.42	11.35	5.007	29.59	0
2/21/2017 12:45	4.839	30.47	12.38	5.301	29.59	0
2/21/2017 13:00	5.418	31.21	9.79	5.134	29.61	0
2/21/2017 13:15	4.511	34.47	13.52	5.123	29.61	0.01
2/21/2017 13:30	5.416	34.33	6.459	5.05	29.61	0
2/21/2017 13:45	6.248	37.28	13.73	4.991	29.61	0
2/21/2017 14:00	5.616	22.79	17.43	5.121	29.63	0
2/21/2017 14:15	4.208	11.37	15.93	5.294	29.63	0
2/21/2017 14:30	3.723	344.1	21.63	5.596	29.63	0
2/21/2017 14:45	2.15	10.71	23.91	5.812	29.63	0
2/21/2017 15:00	3.845	353.2	29.24	6.362	29.67	0
2/21/2017 15:15	3.492	25.04	12.33	6.438	29.67	0
2/21/2017 15:30	4.128	28.1	12.2	6.372	29.67	0
2/21/2017 15:45	4.059	24.61	12.14	6.24	29.67	0
2/21/2017 16:00	0.959	50.71	43.18	6.733	29.7	0
2/21/2017 16:15	2.607	91.9	71.17	7.041	29.7	0
2/21/2017 16:30	2.435	44.19	9.48	6.438	29.7	0
2/21/2017 16:45	1.008	212.7	58.97	6.505	29.7	0
2/21/2017 17:00	5.002	203.3	3.991	5.916	29.71	0
2/21/2017 17:15	4.242	199.8	7.174	5.668	29.71	0
2/21/2017 17:30	3.298	152.6	20.25	5.396	29.71	0
2/21/2017 17:45	0.862	76.76	34.57	5.303	29.71	0
2/21/2017 18:00	2.431	294.9	18.96	5.637	29.75	0.01
2/21/2017 18:15	5.089	277	35.61	4.808	29.75	0.05
2/21/2017 18:30	3.297	138.2	11.23	4.075	29.75	0.04
2/21/2017 18:45	6.188	110.6	7.323	4.008	29.75	0.02
2/21/2017 19:00	5.403	109.4	17.48	3.584	29.77	0
2/21/2017 19:15	6.745	139.1	15.27	3.661	29.77	0
2/21/2017 19:30	7.427	198.8	10.79	3.602	29.77	0.02
2/21/2017 19:45	5.662	154.9	11.8	3.55	29.77	0.01
2/21/2017 20:00	3.24	97.2	33.92	3.394	29.78	0.03
2/21/2017 20:15	4.386	52.16	18.7	3.11	29.78	0.01
2/21/2017 20:30	5.852	31.58	10.46	2.841	29.78	0
2/21/2017 20:45	4.601	11.27	23.9	2.876	29.78	0.02
2/21/2017 21:00	5.612	324.4	15.88	2.504	29.81	0.03
2/21/2017 21:15	5.683	24.33	14.73	2.596	29.81	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/2017 21:30	6.285	38.58	4.835	2.433	29.81	0.01
2/21/2017 21:45	7.154	46.26	6.674	2.42	29.81	0
2/21/2017 22:00	7.693	44.58	8.72	2.439	29.83	0
2/21/2017 22:15	7.144	46.57	11.74	2.43	29.83	0
2/21/2017 22:30	5.54	67.42	18.33	2.357	29.83	0
2/21/2017 22:45	5.152	84.7	13.57	2.549	29.83	0
2/21/2017 23:00	2.891	64.67	16.29	2.653	29.85	0
2/21/2017 23:15	2.33	60.01	17.98	2.84	29.85	0
2/21/2017 23:30	3.226	35.79	10.65	2.455	29.85	0.01
2/21/2017 23:45	3.456	38.01	10.11	2.335	29.85	0
2/22/2017 0:00	4.978	38.47	6.499	2.142	29.87	0
2/22/2017 0:15	3.86	38.92	8.57	2.111	29.87	0
2/22/2017 0:30	4.028	42.57	9.25	2.026	29.87	0
2/22/2017 0:45	4	48.7	8.79	2.118	29.87	0
2/22/2017 1:00	3.589	50.87	5.855	2.138	29.89	0
2/22/2017 1:15	4.006	44.15	10.71	1.984	29.89	0
2/22/2017 1:30	5.322	57.24	9.33	2.229	29.89	0.01
2/22/2017 1:45	2.533	53.35	13	2.343	29.89	0
2/22/2017 2:00	2.922	58.51	3.198	2.179	29.89	0
2/22/2017 2:15	2.52	87.1	13.77	2.228	29.89	0
2/22/2017 2:30	3.457	117.5	7.747	2.361	29.89	0
2/22/2017 2:45	2.326	136.5	5.714	2.502	29.89	0
2/22/2017 3:00	1.266	153.9	15.33	2.435	29.89	0
2/22/2017 3:15	2.754	169.8	6.87	2.691	29.89	0
2/22/2017 3:30	2.708	160.7	12.33	2.634	29.89	0
2/22/2017 3:45	1.996	121.3	25.83	2.467	29.89	0
2/22/2017 4:00	3.833	170.2	15.22	2.682	29.89	0
2/22/2017 4:15	2.845	141.3	10.31	2.489	29.89	0
2/22/2017 4:30	3.602	137.1	8.84	2.375	29.89	0
2/22/2017 4:45	3.98	162	21.25	2.364	29.89	0
2/22/2017 5:00	4.44	186.1	4.728	2.542	29.89	0
2/22/2017 5:15	4.091	192.6	6.898	2.552	29.89	0
2/22/2017 5:30	3.8	184.7	6.876	2.497	29.89	0
2/22/2017 5:45	3.132	189.9	8.79	2.578	29.89	0
2/22/2017 6:00	1.942	168	26.27	2.427	29.9	0
2/22/2017 6:15	0.412	137.8	0.103	2.236	29.9	0
2/22/2017 6:30	1.223	238.2	22.56	2.441	29.9	0
2/22/2017 6:45	1.331	212.1	42.18	2.496	29.9	0
2/22/2017 7:00	1.546	141.9	18.86	2.24	29.9	0
2/22/2017 7:15	1.4	148.7	14.89	2.165	29.9	0
2/22/2017 7:30	1.714	158	9.39	2.245	29.9	0
2/22/2017 7:45	3.542	155.2	13.19	2.05	29.9	0
2/22/2017 8:00	6.218	190.4	4.404	2.073	29.91	0
2/22/2017 8:15	2.927	132.4	55.74	1.776	29.91	0
2/22/2017 8:30	4.049	101.2	7.731	1.942	29.91	0
2/22/2017 8:45	4.139	114.4	8.35	2.586	29.91	0
2/22/2017 9:00	3.262	124.6	13.92	2.717	29.92	0
2/22/2017 9:15	3.897	134.9	14.77	2.736	29.92	0
2/22/2017 9:30	4.452	183.4	19.64	2.657	29.92	0
2/22/2017 9:45	4.003	198.1	13.86	2.682	29.92	0
2/22/2017 10:00	2.833	190.3	16.76	2.693	29.93	0
2/22/2017 10:15	2.254	204	18.48	2.951	29.93	0
2/22/2017 10:30	3.364	211.3	17.45	3.201	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/22/2017 10:45	2.981	156.3	58.05	3.292	29.93	0
2/22/2017 11:00	3.118	94.9	31.96	3.871	29.93	0
2/22/2017 11:15	2.869	170.6	65.69	3.761	29.93	0
2/22/2017 11:30	4.074	220.3	20.44	3.941	29.93	0
2/22/2017 11:45	5.619	208.2	9.37	4.459	29.93	0
2/22/2017 12:00	5.991	220.4	17.88	4.829	29.92	0
2/22/2017 12:15	6.505	206.3	19.93	4.973	29.92	0
2/22/2017 12:30	6.266	212.5	23.2	5.014	29.92	0
2/22/2017 12:45	5.614	212.7	14.02	4.865	29.92	0
2/22/2017 13:00	6.417	210.2	19.69	5.358	29.9	0
2/22/2017 13:15	4.439	217	41.98	5.368	29.9	0
2/22/2017 13:30	4.493	243.6	24.15	5.273	29.9	0
2/22/2017 13:45	3.944	236.7	23.42	5.683	29.9	0
2/22/2017 14:00	3.704	256.8	22.79	5.975	29.89	0
2/22/2017 14:15	4.49	259.7	19.32	6.411	29.89	0
2/22/2017 14:30	3.746	242.7	24.8	6.695	29.89	0
2/22/2017 14:45	3.236	268.2	23.13	6.68	29.89	0
2/22/2017 15:00	2.118	260.8	68.13	7.108	29.89	0
2/22/2017 15:15	2.715	350.6	68.92	6.718	29.89	0
2/22/2017 15:30	7.005	38.83	12.7	6.126	29.89	0
2/22/2017 15:45	7.002	44.57	9.49	5.892	29.89	0
2/22/2017 16:00	9.86	28.18	8.29	5.081	29.88	0
2/22/2017 16:15	8.25	27.84	9.14	4.765	29.88	0
2/22/2017 16:30	11.13	24.88	11.26	4.567	29.88	0
2/22/2017 16:45	11.66	21.8	10.47	3.867	29.88	0
2/22/2017 17:00	11.69	22.55	13.41	3.32	29.88	0
2/22/2017 17:15	11.54	30.2	9.07	2.995	29.88	0
2/22/2017 17:30	6.565	33.68	16.6	2.731	29.88	0
2/22/2017 17:45	5.147	39.71	15.8	2.62	29.88	0
2/22/2017 18:00	4.452	35.28	14.57	2.614	29.89	0
2/22/2017 18:15	4.725	24.92	8.17	2.56	29.89	0
2/22/2017 18:30	4.454	14.87	4.939	2.735	29.89	0
2/22/2017 18:45	4.063	29.01	7.091	2.74	29.89	0
2/22/2017 19:00	2.934	10.65	3.993	2.496	29.89	0
2/22/2017 19:15	2.582	27.25	5	2.105	29.89	0
2/22/2017 19:30	2.908	24.52	18.54	1.901	29.89	0
2/22/2017 19:45	3.357	15.21	4.806	1.665	29.89	0
2/22/2017 20:00	4.102	7.693	13.35	1.708	29.9	0
2/22/2017 20:15	3.956	16.02	5.902	1.405	29.9	0
2/22/2017 20:30	3.463	29.72	3.883	1.194	29.9	0
2/22/2017 20:45	4.352	21	5.408	0.982	29.9	0
2/22/2017 21:00	4.319	25.43	5.054	1.008	29.91	0
2/22/2017 21:15	4.833	13.29	3.155	1.205	29.91	0
2/22/2017 21:30	4.513	21.66	7.461	1.111	29.91	0
2/22/2017 21:45	3.898	32.07	4.968	0.64	29.91	0
2/22/2017 22:00	3.552	19.03	6.509	0.563	29.91	0
2/22/2017 22:15	3.455	22.54	5.489	0.488	29.91	0
2/22/2017 22:30	3.039	36.02	5.061	0.708	29.91	0
2/22/2017 22:45	1.94	49.24	5.31	0.641	29.91	0
2/22/2017 23:00	0.493	65.25	1.329	0.586	29.92	0
2/22/2017 23:15	3.287	198.1	35.55	0.293	29.92	0
2/22/2017 23:30	4.005	206.2	10	0.239	29.92	0
2/22/2017 23:45	3.916	203.6	6.859	0.428	29.92	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/2017 0:00	3.698	212.9	3.589	0.45	29.93	0
2/23/2017 0:15	3.335	218.5	6.097	0.125	29.93	0
2/23/2017 0:30	3.599	194.3	10.95	0.266	29.93	0
2/23/2017 0:45	3.949	215.5	13.09	0.142	29.93	0
2/23/2017 1:00	2.927	183.7	8.59	0.222	29.93	0
2/23/2017 1:15	3.428	179	11.77	0.414	29.93	0
2/23/2017 1:30	3.154	194.8	9.59	0.381	29.93	0
2/23/2017 1:45	3.293	173	13.89	0.535	29.93	0
2/23/2017 2:00	2.451	126.4	19.97	0.326	29.94	0
2/23/2017 2:15	2.093	119.1	1.594	0.413	29.94	0
2/23/2017 2:30	1.184	119.5	0.033	0.384	29.94	0
2/23/2017 2:45	2.098	160.9	14.24	0.707	29.94	0
2/23/2017 3:00	3.002	182.4	6.153	0.85	29.93	0
2/23/2017 3:15	3.21	186.4	5.04	0.872	29.93	0
2/23/2017 3:30	3.105	171.8	3.946	0.848	29.93	0
2/23/2017 3:45	2.818	152	15.83	0.626	29.93	0
2/23/2017 4:00	1.463	122.3	0.063	0.566	29.94	0
2/23/2017 4:15	2.411	125.4	4.217	0.628	29.94	0
2/23/2017 4:30	0.858	144.3	20.77	0.811	29.94	0
2/23/2017 4:45	1.774	200.9	8.48	0.8	29.94	0
2/23/2017 5:00	2.072	168.5	5.075	0.766	29.94	0
2/23/2017 5:15	2.729	192.1	11.54	0.77	29.94	0
2/23/2017 5:30	2.441	167.9	7.571	0.653	29.94	0
2/23/2017 5:45	2.552	158.3	4.409	0.507	29.94	0
2/23/2017 6:00	1.474	153.4	0.12	0.349	29.94	0
2/23/2017 6:15	1.322	146.2	7.232	0.284	29.94	0
2/23/2017 6:30	2.815	189.9	24.64	0.479	29.94	0
2/23/2017 6:45	3.516	215.8	4.699	0.477	29.94	0
2/23/2017 7:00	3.268	200.2	7.44	0.374	29.96	0
2/23/2017 7:15	1.068	125.8	69.94	0.234	29.96	0
2/23/2017 7:30	1.098	57.93	14.02	0.271	29.96	0
2/23/2017 7:45	0.748	104.3	15.28	0.355	29.96	0
2/23/2017 8:00	2.523	168	5.157	0.457	29.98	0
2/23/2017 8:15	0.679	141.7	2.079	0.52	29.98	0
2/23/2017 8:30	0.906	164.3	24.52	0.723	29.98	0
2/23/2017 8:45	2.291	190.7	15.7	0.72	29.98	0
2/23/2017 9:00	1.096	138.5	27.32	0.947	29.98	0
2/23/2017 9:15	1.563	70.03	22.68	1.107	29.98	0
2/23/2017 9:30	3.45	38.58	7.84	1.29	29.98	0
2/23/2017 9:45	3.507	8.08	17.78	1.504	29.98	0
2/23/2017 10:00	1.627	2.543	18.46	1.851	30	0
2/23/2017 10:15	1.801	10.3	24.16	2.345	30	0
2/23/2017 10:30	2.414	314.3	19.38	3.027	30	0
2/23/2017 10:45	2.374	349.1	42.78	3.072	30	0
2/23/2017 11:00	3.285	346.2	30.04	3.025	30.01	0
2/23/2017 11:15	2.784	14.24	10.99	2.958	30.01	0
2/23/2017 11:30	5.821	353.1	30.33	3.768	30.01	0
2/23/2017 11:45	4.726	358.4	19.9	3.067	30.01	0
2/23/2017 12:00	3.114	358.9	14.75	3.785	30	0
2/23/2017 12:15	3.962	293.3	23.24	4.239	30	0
2/23/2017 12:30	4.459	312.9	37.88	3.848	30	0
2/23/2017 12:45	7.445	284.6	15.3	3.697	30	0
2/23/2017 13:00	7.125	276.9	11.36	3.509	29.99	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/2017 13:15	6.572	272.9	11.87	3.553	29.99	0
2/23/2017 13:30	7.17	258	7.563	3.621	29.99	0
2/23/2017 13:45	6.238	239.1	13.81	4.055	29.99	0
2/23/2017 14:00	5.133	213	26.43	4.991	29.98	0
2/23/2017 14:15	3.593	341.2	65.66	4.486	29.98	0
2/23/2017 14:30	6.673	31.38	9.57	3.743	29.98	0
2/23/2017 14:45	5.681	27.83	11.66	3.614	29.98	0
2/23/2017 15:00	4.832	22.79	8.22	3.586	29.96	0
2/23/2017 15:15	5.277	11.87	14.53	3.568	29.96	0
2/23/2017 15:30	5.095	14.07	9.02	3.112	29.96	0
2/23/2017 15:45	3.762	37.73	8.43	3.38	29.96	0
2/23/2017 16:00	0.964	36.4	0.135	3.373	29.94	0
2/23/2017 16:15	0.031	36.41	0.014	3.439	29.94	0
2/23/2017 16:30	1.639	92.8	58.75	3.291	29.94	0
2/23/2017 16:45	5	162.4	6.028	2.721	29.94	0
2/23/2017 17:00	5.267	156.3	8.07	2.119	29.94	0
2/23/2017 17:15	7.139	158.6	7.114	1.7	29.94	0
2/23/2017 17:30	6.268	154.7	7.896	1.352	29.94	0
2/23/2017 17:45	4.139	132.2	9.45	1.163	29.94	0
2/23/2017 18:00	4.469	109.4	9.93	0.896	29.93	0
2/23/2017 18:15	5.82	111.1	7.97	0.738	29.93	0
2/23/2017 18:30	6.249	120.8	7.656	0.794	29.93	0
2/23/2017 18:45	5.331	131.9	6.792	0.789	29.93	0
2/23/2017 19:00	5.358	139.3	10.95	0.762	29.92	0
2/23/2017 19:15	3.704	170.1	6.845	0.606	29.92	0
2/23/2017 19:30	4.107	154.4	11.32	0.78	29.92	0
2/23/2017 19:45	3.073	134.8	5.776	0.803	29.92	0
2/23/2017 20:00	1.785	113.8	8.51	0.253	29.91	0
2/23/2017 20:15	2.847	102.5	5.979	0.166	29.91	0
2/23/2017 20:30	3.048	105.6	6.52	0.168	29.91	0
2/23/2017 20:45	3.826	142	16.69	0.784	29.91	0
2/23/2017 21:00	3.713	158.4	6.726	0.748	29.9	0
2/23/2017 21:15	3.799	136.4	4.831	0.785	29.9	0
2/23/2017 21:30	3.403	161.7	32.56	0.69	29.9	0
2/23/2017 21:45	4.586	156.6	13.78	0.946	29.9	0
2/23/2017 22:00	4.798	199	11.66	0.17	29.91	0
2/23/2017 22:15	5.583	167.9	13.34	0.007	29.91	0
2/23/2017 22:30	5.204	148	5.507	0.3	29.91	0
2/23/2017 22:45	5.089	147.4	5.451	0.676	29.91	0
2/23/2017 23:00	4.888	153.8	6.145	0.747	29.91	0
2/23/2017 23:15	5.041	139.3	5.828	0.928	29.91	0
2/23/2017 23:30	5.045	137.5	6.431	1.025	29.91	0
2/23/2017 23:45	4.555	137.2	4.571	1.029	29.91	0
2/24/2017 0:00	5.029	142.5	5.153	1.03	29.89	0
2/24/2017 0:15	4.317	141.8	5.563	1.128	29.89	0
2/24/2017 0:30	3.316	146.2	5.689	1.129	29.89	0
2/24/2017 0:45	3.573	128.2	4.815	1.231	29.89	0
2/24/2017 1:00	3.244	133.1	8.58	1.353	29.88	0
2/24/2017 1:15	3.462	166.8	21.95	1.312	29.88	0
2/24/2017 1:30	4.877	164.7	11.19	1.182	29.88	0
2/24/2017 1:45	5.63	160	4.279	1.143	29.88	0
2/24/2017 2:00	5.492	159.8	4.144	1.077	29.87	0
2/24/2017 2:15	5.133	151.4	5.435	1.12	29.87	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/24/2017 2:30	5.694	159.6	5.142	1.133	29.87	0
2/24/2017 2:45	4.989	140.7	8.1	0.937	29.87	0
2/24/2017 3:00	4.842	143.4	6.651	0.807	29.86	0
2/24/2017 3:15	5.724	135.9	6.973	0.797	29.86	0
2/24/2017 3:30	6.045	135.5	7.21	0.797	29.86	0
2/24/2017 3:45	5.481	137.6	7.522	0.775	29.86	0
2/24/2017 4:00	5.535	142.2	7.15	0.758	29.85	0
2/24/2017 4:15	5.536	142.3	7.75	0.749	29.85	0
2/24/2017 4:30	5.86	139.8	7.188	0.874	29.85	0
2/24/2017 4:45	5.799	147.3	7.465	0.992	29.85	0
2/24/2017 5:00	6.18	144.8	7.684	1.19	29.84	0
2/24/2017 5:15	5.769	152.1	6.996	1.249	29.84	0
2/24/2017 5:30	5.919	149.1	7.904	1.304	29.84	0
2/24/2017 5:45	6.302	153.2	8.88	1.319	29.84	0
2/24/2017 6:00	6.217	141.2	9.66	1.195	29.84	0
2/24/2017 6:15	5.36	176.1	21.99	1.141	29.84	0
2/24/2017 6:30	6.602	164.7	23	0.507	29.84	0
2/24/2017 6:45	2.245	175.8	37.45	0.679	29.84	0
2/24/2017 7:00	2.561	224.8	68.42	0.617	29.86	0
2/24/2017 7:15	1.996	63.89	59.14	0.505	29.86	0
2/24/2017 7:30	2.525	48.25	7.978	0.422	29.86	0
2/24/2017 7:45	1.395	6.353	5.366	0.646	29.86	0
2/24/2017 8:00	0.922	72.36	64.36	1.058	29.87	0
2/24/2017 8:15	2.679	190.7	14.82	1.244	29.87	0
2/24/2017 8:30	2.833	156.9	28.75	1.43	29.87	0
2/24/2017 8:45	2.891	110.5	17.59	1.676	29.87	0
2/24/2017 9:00	2.476	134.7	50.83	2.168	29.88	0
2/24/2017 9:15	3.6	149.7	26.08	2.009	29.88	0
2/24/2017 9:30	2.82	151.7	28.06	2.203	29.88	0
2/24/2017 9:45	5.607	172.5	12.59	2.479	29.88	0
2/24/2017 10:00	6.708	135	13.89	2.829	29.89	0
2/24/2017 10:15	6.896	154.1	12.29	2.822	29.89	0
2/24/2017 10:30	5	112.2	19.76	3.26	29.89	0
2/24/2017 10:45	4.856	126.2	27.4	3.531	29.89	0
2/24/2017 11:00	8.75	139.8	13.11	3.668	29.9	0
2/24/2017 11:15	7.035	132.9	24.75	4.145	29.9	0
2/24/2017 11:30	5.861	125.7	16.28	4.057	29.9	0
2/24/2017 11:45	5.992	166.7	25.92	4.275	29.9	0
2/24/2017 12:00	3.249	193.4	69.61	4.296	29.91	0
2/24/2017 12:15	3.454	154.9	37.79	5.016	29.91	0
2/24/2017 12:30	3.81	93.3	24.19	5.172	29.91	0
2/24/2017 12:45	3.003	71.41	35.04	5.463	29.91	0
2/24/2017 13:00	2.681	78.77	71.21	5.558	29.9	0
2/24/2017 13:15	2.093	315.5	28.58	5.771	29.9	0
2/24/2017 13:30	4.275	173.9	47.91	6.254	29.9	0
2/24/2017 13:45	2.418	136.3	86.5	6.506	29.9	0
2/24/2017 14:00	3.619	233.5	58.31	6.356	29.88	0
2/24/2017 14:15	2.631	255.7	30.51	6.078	29.88	0
2/24/2017 14:30	2.303	317.9	45.63	6.372	29.88	0
2/24/2017 14:45	2.26	320.6	28.18	6.478	29.88	0
2/24/2017 15:00	2.779	332.7	25.13	6.343	29.88	0
2/24/2017 15:15	4.589	342.5	19.72	6.45	29.88	0
2/24/2017 15:30	4.231	328.6	32.48	6.894	29.88	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/24/2017 15:45	4.422	350.9	23.93	7.017	29.88	0
2/24/2017 16:00	5.364	10.92	32.34	6.69	29.88	0
2/24/2017 16:15	5.122	12.59	15.26	6.35	29.88	0
2/24/2017 16:30	4.456	31.31	12.29	5.964	29.88	0
2/24/2017 16:45	3.11	11.74	12.43	5.951	29.88	0
2/24/2017 17:00	3.303	336.3	43.63	5.924	29.88	0
2/24/2017 17:15	3.549	322.2	15.11	5.604	29.88	0
2/24/2017 17:30	2.888	31.22	8.53	4.971	29.88	0
2/24/2017 17:45	4.599	34.03	5.884	4.433	29.88	0
2/24/2017 18:00	5.079	36.48	5.168	4.144	29.89	0
2/24/2017 18:15	4.404	35.17	5.017	3.794	29.89	0
2/24/2017 18:30	4.313	30.63	2.629	3.365	29.89	0
2/24/2017 18:45	3.795	35.34	1.84	3.092	29.89	0
2/24/2017 19:00	4.223	39.26	4.068	2.788	29.9	0
2/24/2017 19:15	4.846	41.54	4.75	2.878	29.9	0
2/24/2017 19:30	3.8	43.27	6.552	2.801	29.9	0
2/24/2017 19:45	1.837	26.87	12.91	2.693	29.9	0
2/24/2017 20:00	1.999	280.4	42.06	3.413	29.92	0
2/24/2017 20:15	2.205	208.7	23.14	3.253	29.92	0
2/24/2017 20:30	1.915	171	38.18	3.074	29.92	0
2/24/2017 20:45	2.702	63.63	22.33	2.51	29.92	0
2/24/2017 21:00	3.831	52.01	7.828	2.766	29.95	0
2/24/2017 21:15	1.811	73.32	45.02	1.92	29.95	0
2/24/2017 21:30	2.309	169.2	15.51	2.484	29.95	0
2/24/2017 21:45	2.274	118.8	7.524	2.178	29.95	0
2/24/2017 22:00	2.497	159.6	21.36	2.583	29.97	0
2/24/2017 22:15	3.879	176.8	29.35	1.922	29.97	0
2/24/2017 22:30	4.115	113.4	6.223	2.105	29.97	0
2/24/2017 22:45	1.716	84.3	12.46	1.618	29.97	0
2/24/2017 23:00	3.219	138.5	32.61	1.86	29.97	0
2/24/2017 23:15	3.792	136.1	18.08	1.873	29.97	0
2/24/2017 23:30	5.521	131.9	4.988	1.865	29.97	0
2/24/2017 23:45	5.105	130.2	7.55	2.038	29.97	0
2/25/2017 0:00	4.592	145.8	7.797	1.888	29.97	0
2/25/2017 0:15	4.272	127.2	10.93	1.554	29.97	0
2/25/2017 0:30	4.88	139.1	5.573	1.669	29.97	0
2/25/2017 0:45	5.492	132.4	6.231	1.795	29.97	0
2/25/2017 1:00	5.69	129.1	6.849	1.753	29.98	0
2/25/2017 1:15	5.341	130.5	6.7	1.751	29.98	0
2/25/2017 1:30	5.418	131.9	7.073	1.712	29.98	0
2/25/2017 1:45	5.433	144.7	6.438	1.531	29.98	0
2/25/2017 2:00	5.354	148.6	4.689	1.291	29.98	0
2/25/2017 2:15	5.01	139.1	4.852	1.126	29.98	0
2/25/2017 2:30	4.194	139.4	13.34	0.953	29.98	0
2/25/2017 2:45	3.356	147.2	11.67	0.852	29.98	0
2/25/2017 3:00	3.224	139.8	6.691	0.621	29.98	0
2/25/2017 3:15	1.62	162.1	3.656	0.481	29.98	0
2/25/2017 3:30	1.967	151.3	3.017	0.461	29.98	0
2/25/2017 3:45	1.569	158.8	0.226	0.179	29.98	0
2/25/2017 4:00	2.653	170.1	7.159	0.085	29.98	0
2/25/2017 4:15	2.196	183.2	9.29	-0.127	29.98	0
2/25/2017 4:30	0.866	170.1	6.513	-0.156	29.98	0
2/25/2017 4:45	2.163	135.8	7.41	0.029	29.98	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/25/2017 5:00	3.649	167.9	9.46	-0.301	29.98	0
2/25/2017 5:15	3.889	182	6.8	-0.644	29.98	0
2/25/2017 5:30	3.387	160.3	11.49	-0.566	29.98	0
2/25/2017 5:45	3.309	146.3	4.508	-0.328	29.98	0
2/25/2017 6:00	3.158	173.4	13.96	-0.518	29.97	0
2/25/2017 6:15	4.777	165.1	5.592	-0.637	29.97	0
2/25/2017 6:30	3.11	171.7	9.5	-0.727	29.97	0
2/25/2017 6:45	2.251	152.2	13.53	-0.592	29.97	0
2/25/2017 7:00	2.727	128.8	5.553	-0.38	29.97	0
2/25/2017 7:15	2.517	132.4	19.54	-0.192	29.97	0
2/25/2017 7:30	2.886	166.9	9.17	-0.354	29.97	0
2/25/2017 7:45	3.221	155.5	8.78	-0.007	29.97	0
2/25/2017 8:00	1.994	184.7	12.27	-0.342	29.98	0
2/25/2017 8:15	3.771	198.7	8.8	-0.382	29.98	0
2/25/2017 8:30	4.215	204.9	5.598	-0.559	29.98	0
2/25/2017 8:45	4.253	180.2	10.49	-0.237	29.98	0
2/25/2017 9:00	4.051	168.1	7.268	0.015	29.98	0
2/25/2017 9:15	3.416	180.3	10.19	0.579	29.98	0
2/25/2017 9:30	3.742	183	10.46	0.933	29.98	0
2/25/2017 9:45	3.169	189	11.87	1.095	29.98	0
2/25/2017 10:00	4.695	196.8	9.52	1.408	29.98	0
2/25/2017 10:15	4.939	208.6	7.54	1.53	29.98	0
2/25/2017 10:30	4.952	185.5	24.09	1.796	29.98	0
2/25/2017 10:45	4.485	186.6	20.33	2.294	29.98	0
2/25/2017 11:00	5.187	191.8	14.99	3.015	29.96	0
2/25/2017 11:15	5.481	139.8	14.26	3.54	29.96	0
2/25/2017 11:30	4.548	163.5	24.37	3.92	29.96	0
2/25/2017 11:45	4.901	195.2	21.06	4.266	29.96	0
2/25/2017 12:00	6.713	208.8	12.24	3.872	29.95	0
2/25/2017 12:15	6.592	206.3	11.33	3.769	29.95	0
2/25/2017 12:30	4.804	219.4	18.48	3.92	29.95	0
2/25/2017 12:45	4.85	219.1	17.77	4.148	29.95	0
2/25/2017 13:00	5.615	232.7	19.95	4.292	29.91	0
2/25/2017 13:15	5.027	224.3	17.74	4.254	29.91	0
2/25/2017 13:30	4.776	227.9	20.23	4.397	29.91	0
2/25/2017 13:45	3.519	204.8	34.74	4.608	29.91	0
2/25/2017 14:00	5.814	235.6	19.75	4.59	29.88	0
2/25/2017 14:15	5.716	225.8	19.23	4.587	29.88	0
2/25/2017 14:30	5.059	242.5	30.17	4.82	29.88	0
2/25/2017 14:45	7.831	237.6	31.05	5.205	29.88	0
2/25/2017 15:00	5.453	266.4	24.31	5.136	29.84	0
2/25/2017 15:15	6.585	283.7	9.07	5.08	29.84	0
2/25/2017 15:30	5.343	270.7	15.77	5.123	29.84	0
2/25/2017 15:45	6.669	263.5	12.23	5.069	29.84	0
2/25/2017 16:00	5.381	274.7	15.65	5.028	29.81	0
2/25/2017 16:15	5.612	255	22.01	5.059	29.81	0
2/25/2017 16:30	4.963	263.7	20.88	4.97	29.81	0
2/25/2017 16:45	4.075	262.1	11.74	4.939	29.81	0
2/25/2017 17:00	4.82	245.3	16.9	4.872	29.76	0
2/25/2017 17:15	3.926	219.8	10.71	4.815	29.76	0
2/25/2017 17:30	3.393	206	9.53	4.744	29.76	0
2/25/2017 17:45	4.124	186.1	11.17	4.594	29.76	0
2/25/2017 18:00	5.074	190.5	7.24	4.507	29.72	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/25/2017 18:15	5.172	198.5	9.61	4.406	29.72	0
2/25/2017 18:30	6.065	204.9	12.65	4.271	29.72	0
2/25/2017 18:45	11.38	228.2	8.81	4.477	29.72	0
2/25/2017 19:00	10.57	230.9	9.58	4.406	29.69	0
2/25/2017 19:15	9.61	220.8	10.78	4.373	29.69	0
2/25/2017 19:30	13.77	221.3	9.78	4.29	29.69	0
2/25/2017 19:45	9.78	216.7	11.49	4.166	29.69	0
2/25/2017 20:00	11.6	223.6	7.744	4.094	29.67	0
2/25/2017 20:15	11.92	224.3	9.22	4.03	29.67	0
2/25/2017 20:30	10.69	214.9	9.93	3.888	29.67	0
2/25/2017 20:45	12.4	216.8	8.18	3.79	29.67	0
2/25/2017 21:00	11.08	209.3	8.6	3.625	29.64	0
2/25/2017 21:15	10.18	195.1	9.98	3.488	29.64	0
2/25/2017 21:30	11.33	187.5	10.06	3.391	29.64	0
2/25/2017 21:45	11.61	193.8	8.46	3.296	29.64	0
2/25/2017 22:00	11.79	190.4	9.85	3.179	29.6	0
2/25/2017 22:15	12.61	191.3	8.69	2.788	29.6	0
2/25/2017 22:30	10.87	189.9	8.96	2.149	29.6	0.01
2/25/2017 22:45	10.73	172.3	14.84	1.644	29.6	0.01
2/25/2017 23:00	8.8	152.8	6.656	0.772	29.57	0.01
2/25/2017 23:15	8.19	151.4	8.82	0.42	29.57	0
2/25/2017 23:30	8.01	152.5	8.71	0.324	29.57	0
2/25/2017 23:45	9.56	157.7	7.253	0.274	29.57	0
2/26/2017 0:00	9.4	156.8	6.324	0.213	29.54	0
2/26/2017 0:15	9.59	155.8	6.971	0.193	29.54	0
2/26/2017 0:30	8.88	158.7	7.569	0.172	29.54	0
2/26/2017 0:45	9.04	157.2	6.77	0.152	29.54	0
2/26/2017 1:00	9.12	155.2	7.248	0.155	29.49	0
2/26/2017 1:15	9.13	151.7	7.335	0.216	29.49	0
2/26/2017 1:30	8.34	150.2	8.09	0.254	29.49	0
2/26/2017 1:45	8.52	150.9	9.07	0.277	29.49	0
2/26/2017 2:00	8.49	149.3	8.79	0.273	29.47	0
2/26/2017 2:15	8.86	147.1	9.22	0.28	29.47	0
2/26/2017 2:30	9.85	147.1	10.27	0.36	29.47	0
2/26/2017 2:45	9.44	149.6	9.11	0.336	29.47	0
2/26/2017 3:00	8.46	145.2	8.94	0.295	29.41	0
2/26/2017 3:15	7.383	133.3	7.837	0.237	29.41	0
2/26/2017 3:30	8.18	137.4	8.13	0.29	29.41	0
2/26/2017 3:45	7.522	140.6	8.1	0.319	29.41	0
2/26/2017 4:00	7.479	135.6	7.56	0.268	29.37	0
2/26/2017 4:15	7.047	128.2	8.01	0.235	29.37	0
2/26/2017 4:30	7.736	126.1	7.396	0.223	29.37	0
2/26/2017 4:45	8.18	132.7	7.127	0.309	29.37	0
2/26/2017 5:00	8.58	131.3	8	0.348	29.34	0
2/26/2017 5:15	8.85	130.7	7.599	0.382	29.34	0
2/26/2017 5:30	7.508	132.7	7.382	0.438	29.34	0
2/26/2017 5:45	8.52	131.2	7.527	0.511	29.34	0
2/26/2017 6:00	9.45	128.8	8.13	0.623	29.31	0
2/26/2017 6:15	9.5	128.6	7.994	0.727	29.31	0
2/26/2017 6:30	9.49	129.7	8.34	0.841	29.31	0
2/26/2017 6:45	10.13	129.8	8.06	0.901	29.31	0
2/26/2017 7:00	10.68	132.8	8.82	0.842	29.29	0
2/26/2017 7:15	10.39	133.7	7.816	0.745	29.29	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/2017 7:30	9.84	129	8.82	0.619	29.29	0.01
2/26/2017 7:45	10.12	125.3	10.56	0.651	29.29	0
2/26/2017 8:00	9.86	123	9.45	0.757	29.28	0
2/26/2017 8:15	9.65	123.4	9.73	0.955	29.28	0
2/26/2017 8:30	9.79	127.8	9.44	1.099	29.28	0.02
2/26/2017 8:45	9.41	127.4	9.86	1.118	29.28	0.01
2/26/2017 9:00	7.764	117.3	11.01	1.165	29.28	0.02
2/26/2017 9:15	6.132	118.8	9.49	1.276	29.28	0.02
2/26/2017 9:30	5.301	115.1	9.42	1.41	29.28	0.02
2/26/2017 9:45	4.281	106.6	12.8	1.735	29.28	0.02
2/26/2017 10:00	3.904	123.7	15.37	2.075	29.27	0.03
2/26/2017 10:15	4.148	125.9	12.99	2.273	29.27	0.02
2/26/2017 10:30	2.541	78.53	36.57	2.426	29.27	0.02
2/26/2017 10:45	2.63	32.68	12.14	2.362	29.27	0.02
2/26/2017 11:00	1.166	27.88	38.87	2.472	29.28	0.02
2/26/2017 11:15	0.947	335.1	18.95	2.717	29.28	0.02
2/26/2017 11:30	0.895	332.4	23.71	3.001	29.28	0.01
2/26/2017 11:45	2.028	66.3	19.87	3.051	29.28	0.03
2/26/2017 12:00	3.424	46.69	7.966	3.031	29.28	0.02
2/26/2017 12:15	5.13	74.66	17.96	2.983	29.28	0.01
2/26/2017 12:30	4.767	66.16	10.68	3.209	29.28	0
2/26/2017 12:45	5.137	48.21	8.25	3.506	29.28	0
2/26/2017 13:00	5.718	43.09	10.02	3.499	29.26	0
2/26/2017 13:15	5.224	28.5	6.009	3.573	29.26	0
2/26/2017 13:30	4.928	20.7	7.538	3.864	29.26	0
2/26/2017 13:45	3.581	16.03	10.43	4.15	29.26	0
2/26/2017 14:00	5.317	326.1	15.9	4.413	29.26	0
2/26/2017 14:15	5.288	302.3	8.55	4.462	29.26	0
2/26/2017 14:30	7.636	294.4	6.209	4.257	29.26	0
2/26/2017 14:45	8.07	296.9	7.241	4.352	29.26	0
2/26/2017 15:00	4.267	290.8	10.66	4.33	29.27	0
2/26/2017 15:15	4.014	307.1	16.43	4.299	29.27	0
2/26/2017 15:30	6.347	309.2	7.376	4.308	29.27	0
2/26/2017 15:45	6.587	295.7	9.65	4.2	29.27	0
2/26/2017 16:00	6.767	295.5	9.17	4.016	29.29	0
2/26/2017 16:15	6.881	291.7	8.57	3.857	29.29	0
2/26/2017 16:30	6.714	296.3	8.91	3.633	29.29	0
2/26/2017 16:45	8.25	306.8	9.26	3.531	29.29	0
2/26/2017 17:00	8.07	314.4	7.903	3.323	29.3	0
2/26/2017 17:15	7.875	315.1	6.029	3.182	29.3	0
2/26/2017 17:30	6.801	323.5	4.067	2.932	29.3	0
2/26/2017 17:45	7.104	318.9	4.125	2.793	29.3	0
2/26/2017 18:00	7.435	326.3	5.942	2.761	29.32	0
2/26/2017 18:15	6.311	19.53	23.92	2.339	29.32	0.01
2/26/2017 18:30	6.724	29.39	6.11	1.34	29.32	0.01
2/26/2017 18:45	3.717	30.33	6.407	0.924	29.32	0.02
2/26/2017 19:00	2.054	24.01	10.01	0.977	29.33	0
2/26/2017 19:15	2.02	18.5	21.04	1.576	29.33	0.01
2/26/2017 19:30	4.472	18.87	9	2.067	29.33	0
2/26/2017 19:45	1.457	46.23	11.45	1.681	29.33	0
2/26/2017 20:00	1.481	83.4	27.89	1.374	29.34	0
2/26/2017 20:15	3.117	134.9	4.017	1.319	29.34	0
2/26/2017 20:30	2.881	126.7	6.908	1.262	29.34	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/2017 20:45	2.807	121.3	16.25	1.256	29.34	0
2/26/2017 21:00	1.425	139.8	13.49	1.189	29.35	0
2/26/2017 21:15	1.554	142.7	0.924	1.142	29.35	0
2/26/2017 21:30	2.072	177.3	23.42	1.217	29.35	0
2/26/2017 21:45	0.952	177.6	2.327	1.256	29.35	0
2/26/2017 22:00	0.961	169.7	2.056	1.187	29.35	0
2/26/2017 22:15	1.228	140	10.45	1.14	29.35	0
2/26/2017 22:30	1.938	135.9	0.177	1.094	29.35	0.01
2/26/2017 22:45	2.072	166.6	22.56	1.029	29.35	0
2/26/2017 23:00	2.678	190.4	9.86	1.06	29.36	0
2/26/2017 23:15	3.298	186.1	5.799	0.943	29.36	0
2/26/2017 23:30	4.235	181	3.337	0.91	29.36	0
2/26/2017 23:45	4.42	183.9	4.901	0.848	29.36	0
2/27/2017 0:00	4.096	166.2	8.75	0.741	29.36	0
2/27/2017 0:15	3.404	153.9	6.799	0.657	29.36	0
2/27/2017 0:30	3.06	161.2	8.22	0.667	29.36	0
2/27/2017 0:45	3.375	161.6	11.54	0.658	29.36	0
2/27/2017 1:00	4.107	203.8	6.697	0.747	29.37	0
2/27/2017 1:15	3.531	181.6	12.23	0.705	29.37	0
2/27/2017 1:30	3.016	166.8	7.168	0.62	29.37	0
2/27/2017 1:45	3.14	143.8	13.86	0.52	29.37	0
2/27/2017 2:00	2.35	149.4	10.06	0.483	29.37	0
2/27/2017 2:15	3.378	160.5	5.586	0.521	29.37	0
2/27/2017 2:30	1.855	148.9	0.496	0.577	29.37	0
2/27/2017 2:45	1.159	140.7	2.789	0.586	29.37	0
2/27/2017 3:00	0.03	139.7	0.055	0.583	29.37	0
2/27/2017 3:15	0.008	139.7	0.003	0.613	29.37	0
2/27/2017 3:30	1.012	136.9	8.36	0.645	29.37	0
2/27/2017 3:45	2.597	111.5	0.337	0.637	29.37	0
2/27/2017 4:00	1.399	112.1	0.295	0.51	29.36	0
2/27/2017 4:15	2.293	161.7	17.33	0.792	29.36	0
2/27/2017 4:30	3.548	340.9	17.26	0.41	29.36	0
2/27/2017 4:45	1.952	335.6	0.02	0.264	29.36	0
2/27/2017 5:00	0.879	14.32	27.6	0.181	29.36	0
2/27/2017 5:15	3.712	69.37	6.417	0.043	29.36	0
2/27/2017 5:30	3.545	81	11.54	0.028	29.36	0
2/27/2017 5:45	4.479	98.1	6.618	-0.056	29.36	0
2/27/2017 6:00	2.912	84.2	8.77	-0.059	29.36	0
2/27/2017 6:15	3.928	95.2	7.338	-0.08	29.36	0
2/27/2017 6:30	3.967	93.9	11.54	-0.135	29.36	0
2/27/2017 6:45	2.957	139.7	39.41	-0.161	29.36	0
2/27/2017 7:00	3.205	223.3	8.32	-0.239	29.36	0
2/27/2017 7:15	2.887	130.1	32.27	-0.237	29.36	0
2/27/2017 7:30	2.982	46.85	11.37	-0.255	29.36	0
2/27/2017 7:45	4.823	61.79	10.06	-0.234	29.36	0
2/27/2017 8:00	4.633	81.3	16.29	-0.105	29.35	0
2/27/2017 8:15	5.884	118	9.33	0.061	29.35	0
2/27/2017 8:30	6.032	151.2	18.35	0.209	29.35	0
2/27/2017 8:45	6.472	134.6	8.98	0.193	29.35	0
2/27/2017 9:00	4.617	131.9	8.96	0.244	29.33	0
2/27/2017 9:15	6.084	126.1	9.68	0.285	29.33	0
2/27/2017 9:30	5.912	150.4	11.92	0.269	29.33	0
2/27/2017 9:45	5.177	177.7	16.46	0.328	29.33	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/27/2017 10:00	6.561	160.4	6.402	0.342	29.33	0
2/27/2017 10:15	6.398	157.3	6.341	0.318	29.33	0
2/27/2017 10:30	6.755	164.7	12.92	0.575	29.33	0
2/27/2017 10:45	6.965	149.6	8.23	0.809	29.33	0
2/27/2017 11:00	6.858	146.9	10.45	0.976	29.32	0
2/27/2017 11:15	7.531	161.3	10.08	1.058	29.32	0
2/27/2017 11:30	9.33	187.1	14.11	1.257	29.32	0
2/27/2017 11:45	10.94	188	8.26	1.571	29.32	0
2/27/2017 12:00	10.15	180.9	11.2	1.678	29.3	0.01
2/27/2017 12:15	10.2	182.5	9.62	1.799	29.3	0
2/27/2017 12:30	11.78	192.2	11.1	1.893	29.3	0
2/27/2017 12:45	15.92	191.5	8.39	2.07	29.3	0.01
2/27/2017 13:00	13.73	191.7	7.254	2.117	29.27	0
2/27/2017 13:15	14.34	194.5	8.63	2.178	29.27	0.05
2/27/2017 13:30	14.87	191.4	9.47	2.275	29.27	0.05
2/27/2017 13:45	14.23	192.3	15.24	2.196	29.27	0.04
2/27/2017 14:00	13.13	185.8	8.46	2.46	29.26	0.04
2/27/2017 14:15	12.97	185.4	13.58	2.831	29.26	0.03
2/27/2017 14:30	14.37	194	8.62	2.807	29.26	0.03
2/27/2017 14:45	11.88	188	10.6	2.646	29.26	0.02
2/27/2017 15:00	12.87	177.1	9.89	2.307	29.27	0.01
2/27/2017 15:15	13.97	195.7	9.9	1.69	29.27	0.03
2/27/2017 15:30	9.93	181.1	9.92	1.453	29.27	0
2/27/2017 15:45	6.455	162.9	14.5	1.567	29.27	0.01
2/27/2017 16:00	9.23	176	15.96	1.823	29.27	0
2/27/2017 16:15	10.35	187.4	8.35	2.171	29.27	0.01
2/27/2017 16:30	9.77	201.6	10.93	2.32	29.27	0.01
2/27/2017 16:45	10.42	172.8	83.5	1.992	29.27	0
2/27/2017 17:00	11.23	15.96	12.76	0.146	29.29	0
2/27/2017 17:15	11.51	28.81	9.27	-0.18	29.29	0
2/27/2017 17:30	6.415	20.24	13.59	-0.154	29.29	0
2/27/2017 17:45	5.264	39.57	8.42	-0.105	29.29	0
2/27/2017 18:00	7.048	23.93	12.85	0.032	29.31	0
2/27/2017 18:15	4.628	18.46	27.71	0.126	29.31	0
2/27/2017 18:30	4.179	359.6	20.83	0.204	29.31	0
2/27/2017 18:45	5.999	9.9	12.75	0.157	29.31	0
2/27/2017 19:00	4.376	14.24	17.23	0.167	29.33	0
2/27/2017 19:15	3.719	350.6	40.94	0.215	29.33	0
2/27/2017 19:30	4.816	287.8	77.55	0.359	29.33	0
2/27/2017 19:45	6.865	228.1	20.95	0.346	29.33	0
2/27/2017 20:00	5.662	223.3	24.42	0.458	29.35	0
2/27/2017 20:15	2.57	185.1	37.57	0.06	29.35	0
2/27/2017 20:30	0.767	66.49	23.36	0.022	29.35	0
2/27/2017 20:45	1.81	85.8	17	-0.062	29.35	0
2/27/2017 21:00	2.906	142.4	51.7	0.082	29.36	0
2/27/2017 21:15	2.429	63.48	50.82	0.056	29.36	0
2/27/2017 21:30	4.813	200.1	8.33	-0.068	29.36	0
2/27/2017 21:45	4.032	209.5	14.06	-0.091	29.36	0
2/27/2017 22:00	5.911	207.4	10.11	-0.045	29.37	0
2/27/2017 22:15	4.261	191.3	24.57	0.056	29.37	0
2/27/2017 22:30	1.512	60.41	65.08	-0.054	29.37	0
2/27/2017 22:45	3.198	236	9.08	-0.072	29.37	0
2/27/2017 23:00	3.399	304.5	32.28	-0.089	29.39	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/27/2017 23:15	3.903	315.3	0.077	-0.199	29.39	0
2/27/2017 23:30	3.378	320.8	5.115	-0.046	29.39	0
2/27/2017 23:45	1.334	356.9	35.83	-0.066	29.39	0
2/28/2017 0:00	1.007	9.79	16.11	0.026	29.4	0
2/28/2017 0:15	1.476	350.1	0.229	-0.048	29.4	0
2/28/2017 0:30	1.637	15.23	13.53	-0.103	29.4	0
2/28/2017 0:45	0.636	45.87	0.172	-0.228	29.4	0
2/28/2017 1:00	0.629	45.88	0.101	-0.239	29.42	0
2/28/2017 1:15	1.05	45.06	0.368	-0.306	29.42	0
2/28/2017 1:30	0.425	16.59	8.97	-0.36	29.42	0
2/28/2017 1:45	0.856	4.039	0.109	-0.288	29.42	0
2/28/2017 2:00	2.917	353.7	42.31	-0.312	29.45	0
2/28/2017 2:15	4.176	217.9	15.88	-0.192	29.45	0
2/28/2017 2:30	1.02	187.6	0.946	-0.237	29.45	0
2/28/2017 2:45	1.076	38.29	42.27	-0.309	29.45	0
2/28/2017 3:00	1.209	22.23	0.372	-0.347	29.47	0
2/28/2017 3:15	2.115	241.4	62.91	-0.267	29.47	0
2/28/2017 3:30	2.928	230.3	7.054	-0.171	29.47	0
2/28/2017 3:45	2.961	243.8	16.2	-0.178	29.47	0
2/28/2017 4:00	1.18	292.7	29.81	-0.254	29.51	0
2/28/2017 4:15	0.107	27.9	0.041	-0.327	29.51	0
2/28/2017 4:30	0.159	31.76	3.155	-0.288	29.51	0
2/28/2017 4:45	1.094	40.58	0.621	-0.255	29.51	0
2/28/2017 5:00	0.216	56.07	4.597	-0.304	29.53	0
2/28/2017 5:15	2.581	116.4	16.11	-0.373	29.53	0
2/28/2017 5:30	3.907	176.4	19.93	-0.444	29.53	0
2/28/2017 5:45	2.941	186.4	17.91	-0.385	29.53	0
2/28/2017 6:00	1.508	144.6	9.69	-0.614	29.57	0
2/28/2017 6:15	1.996	158.4	24.25	-0.769	29.57	0
2/28/2017 6:30	3.955	198.2	10.14	-0.568	29.57	0
2/28/2017 6:45	5.326	190.2	5.93	-0.713	29.57	0
2/28/2017 7:00	4.092	137	57.59	-1.006	29.6	0
2/28/2017 7:15	1.493	56.84	1.28	-1.246	29.6	0
2/28/2017 7:30	3.611	151.4	14.7	-1.064	29.6	0
2/28/2017 7:45	4.945	124.5	12.14	-0.466	29.6	0
2/28/2017 8:00	3.105	96.5	15.76	-0.539	29.64	0
2/28/2017 8:15	3.635	125.8	5.085	-0.366	29.64	0
2/28/2017 8:30	3.077	117.6	6.807	-0.139	29.64	0
2/28/2017 8:45	2.26	112.2	10.26	-0.032	29.64	0
2/28/2017 9:00	2.293	137.3	9.13	0.152	29.69	0
2/28/2017 9:15	1.783	123.5	16.52	0.257	29.69	0
2/28/2017 9:30	1.502	106	0.071	0.385	29.69	0
2/28/2017 9:45	1.25	132.3	23.34	0.786	29.69	0
2/28/2017 10:00	3.296	162.4	21.43	0.842	29.73	0
2/28/2017 10:15	2.12	121.4	4.458	0.922	29.73	0
2/28/2017 10:30	2.115	136	12.74	1.054	29.73	0
2/28/2017 10:45	2.322	157.9	13.56	1.157	29.73	0.01
2/28/2017 11:00	3.858	175.7	14.5	1.341	29.76	0.01
2/28/2017 11:15	2.898	159.5	16.08	1.956	29.76	0.01
2/28/2017 11:30	3.094	130.9	18.58	2.116	29.76	0.01
2/28/2017 11:45	3.354	83	14.78	2.221	29.76	0.05
2/28/2017 12:00	3.896	106.1	12.27	2.647	29.8	0.03
2/28/2017 12:15	4.366	117	10.6	3.131	29.8	0.04

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/28/2017 12:30	4.811	134.9	8.96	3.602	29.8	0.03
2/28/2017 12:45	3.658	114.8	19.02	3.609	29.8	0.01
2/28/2017 13:00	3.56	48.94	70.52	3.413	29.81	0.01
2/28/2017 13:15	1.572	51.31	46.5	4.234	29.81	0.01
2/28/2017 13:30	4.14	272	68.18	4.911	29.81	0.01
2/28/2017 13:45	2.828	359.5	48.86	4.728	29.81	0
2/28/2017 14:00	4.687	155.6	68.23	4.869	29.83	0
2/28/2017 14:15	5.209	177.6	12.99	4.865	29.83	0
2/28/2017 14:30	4.374	148.1	8.66	4.623	29.83	0
2/28/2017 14:45	3.294	126.1	11.25	4.589	29.83	0
2/28/2017 15:00	3.852	119.1	12.04	4.85	29.85	0
2/28/2017 15:15	5.738	204.8	37.53	5.507	29.85	0
2/28/2017 15:30	12.14	244.9	9.11	6.33	29.85	0
2/28/2017 15:45	13.91	229.4	10.03	6.473	29.85	0
2/28/2017 16:00	13.59	235.1	8.95	6.293	29.86	0
2/28/2017 16:15	12.78	238	8.64	6.269	29.86	0
2/28/2017 16:30	11.98	237.8	8.17	6.213	29.86	0
2/28/2017 16:45	12.4	237.3	7.879	6.119	29.86	0
2/28/2017 17:00	13.8	236.2	7.286	5.97	29.88	0
2/28/2017 17:15	11.81	236.5	7.906	5.804	29.88	0
2/28/2017 17:30	10.22	219.2	8.35	5.645	29.88	0
2/28/2017 17:45	10.99	217.5	9.71	5.534	29.88	0
2/28/2017 18:00	10.97	194.8	16.8	5.366	29.9	0
2/28/2017 18:15	10.77	161.3	6.275	4.422	29.9	0
2/28/2017 18:30	9.96	159.5	7.697	4.22	29.9	0
2/28/2017 18:45	9.31	156.9	7.354	4.111	29.9	0
2/28/2017 19:00	8.57	150.8	7.327	4.015	29.92	0
2/28/2017 19:15	8.12	154.9	7.152	3.945	29.92	0
2/28/2017 19:30	9.5	160	6.841	3.901	29.92	0
2/28/2017 19:45	10.99	164.6	7.188	4.11	29.92	0
2/28/2017 20:00	10.01	170.7	9.97	4.184	29.93	0
2/28/2017 20:15	12.25	182	7.893	4.424	29.93	0
2/28/2017 20:30	13.7	189.2	8.39	4.37	29.93	0
2/28/2017 20:45	15.32	179.2	10.58	4.522	29.93	0
2/28/2017 21:00	12.54	187.7	9.43	4.508	29.93	0
2/28/2017 21:15	12.69	185.6	7.781	4.491	29.93	0
2/28/2017 21:30	12.18	190.8	7.66	4.459	29.93	0
2/28/2017 21:45	12.35	191.4	7.633	4.548	29.93	0
2/28/2017 22:00	11.67	188.5	7.457	4.55	29.94	0
2/28/2017 22:15	13.63	190.2	6.845	4.639	29.94	0
2/28/2017 22:30	13.39	187.3	8.05	4.545	29.94	0
2/28/2017 22:45	14.2	194	8.12	4.62	29.94	0
2/28/2017 23:00	15.63	193.9	8.09	4.746	29.95	0
2/28/2017 23:15	15.07	198.9	8.32	4.573	29.95	0
2/28/2017 23:30	15.84	199.4	7.997	4.409	29.95	0
2/28/2017 23:45	15.03	194.2	7.838	4.35	29.95	0
3/1/2017 0:00	13.58	195.8	8.09	4.361	29.96	0
3/1/2017 0:15	12.98	197.8	7.077	4.427	29.96	0
3/1/2017 0:30	14.67	207.3	7.461	4.44	29.96	0
3/1/2017 0:45	14.21	205.2	8.51	4.467	29.96	0
3/1/2017 1:00	13.88	202.2	9.71	4.414	29.99	0
3/1/2017 1:15	13.84	206.2	6.887	4.364	29.99	0.01
3/1/2017 1:30	13.02	205.2	10.04	4.232	29.99	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/2017 1:45	15.63	198.9	8.32	4.25	29.99	0
3/1/2017 2:00	15	200.1	8.38	4.152	30	0
3/1/2017 2:15	14.78	197.8	9.36	4.09	30	0.01
3/1/2017 2:30	14.21	193	9.1	4.084	30	0
3/1/2017 2:45	10.17	195.6	8.2	4.042	30	0
3/1/2017 3:00	13.01	207.6	9.03	4.076	30.02	0.01
3/1/2017 3:15	13.82	208.5	9.28	4.078	30.02	0.01
3/1/2017 3:30	14.3	200.4	7.781	4.003	30.02	0
3/1/2017 3:45	15.35	189.1	9.13	4.007	30.02	0
3/1/2017 4:00	15.09	192.9	8.35	3.989	30.03	0
3/1/2017 4:15	15.51	192.7	7.775	4.047	30.03	0
3/1/2017 4:30	14.73	200.2	7.57	4.052	30.03	0.01
3/1/2017 4:45	14.5	194.7	9.96	4.023	30.03	0
3/1/2017 5:00	17.49	187.6	8.51	4.062	30.04	0
3/1/2017 5:15	15.37	182.8	9.74	4.093	30.04	0
3/1/2017 5:30	15.28	185.2	8.94	4.089	30.04	0
3/1/2017 5:45	13.96	184.1	8.11	4.095	30.04	0
3/1/2017 6:00	15.12	187	9	4.115	30.07	0
3/1/2017 6:15	13.8	184.2	8.87	4.159	30.07	0
3/1/2017 6:30	13.09	185.2	8.82	4.106	30.07	0
3/1/2017 6:45	14.12	184.3	9.08	4.176	30.07	0
3/1/2017 7:00	14.6	194.3	8.24	4.266	30.1	0
3/1/2017 7:15	13.83	189.6	8.88	4.259	30.1	0
3/1/2017 7:30	13.11	191.7	9.3	4.27	30.1	0
3/1/2017 7:45	14.04	180.6	8.86	4.222	30.1	0
3/1/2017 8:00	18.03	191.2	8.94	4.357	30.13	0
3/1/2017 8:15	16.13	183.6	9.37	4.379	30.13	0
3/1/2017 8:30	16.38	181.8	8.55	4.35	30.13	0
3/1/2017 8:45	15.65	192.5	8.29	4.411	30.13	0
3/1/2017 9:00	15.05	198.2	9.5	4.606	30.17	0
3/1/2017 9:15	17.79	192.9	9.25	4.794	30.17	0
3/1/2017 9:30	17.94	195.9	8.54	4.733	30.17	0
3/1/2017 9:45	15.48	193.1	7.649	4.7	30.17	0
3/1/2017 10:00	15.12	189.7	8.05	4.638	30.21	0
3/1/2017 10:15	14.62	191.9	8.76	4.682	30.21	0
3/1/2017 10:30	15.68	186.6	8.7	4.899	30.21	0
3/1/2017 10:45	14.44	187.6	9.85	5.151	30.21	0
3/1/2017 11:00	14.09	189.8	10.26	5.576	30.22	0
3/1/2017 11:15	15.24	195	9.53	5.978	30.22	0.01
3/1/2017 11:30	17.31	200.4	9.82	6.122	30.22	0
3/1/2017 11:45	17.72	204.5	8.95	6.239	30.22	0
3/1/2017 12:00	15.18	204.5	9.12	6.329	30.24	0
3/1/2017 12:15	13.97	207.5	8.81	6.508	30.24	0
3/1/2017 12:30	12.62	208	8.23	6.733	30.24	0
3/1/2017 12:45	12.01	215	9.08	6.688	30.24	0
3/1/2017 13:00	14.29	218.5	8.32	6.349	30.24	0
3/1/2017 13:15	10.64	206.6	9.03	6.692	30.24	0
3/1/2017 13:30	10.92	205.4	9.76	6.798	30.24	0
3/1/2017 13:45	11.64	203.7	10.56	6.84	30.24	0
3/1/2017 14:00	12.49	200.1	11.35	7.323	30.24	0
3/1/2017 14:15	12.83	203.3	7.971	7.379	30.24	0
3/1/2017 14:30	11.77	211.7	10.28	7.721	30.24	0
3/1/2017 14:45	11.35	200.3	10.09	7.58	30.24	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/2017 15:00	14.56	220.4	9.67	7.349	30.23	0
3/1/2017 15:15	8.84	227.7	7.918	7.341	30.23	0
3/1/2017 15:30	7.71	227.5	10.17	7.231	30.23	0.01
3/1/2017 15:45	9.24	228.8	8.04	6.795	30.23	0
3/1/2017 16:00	9.51	225.7	7.957	6.668	30.24	0
3/1/2017 16:15	6.807	207.7	11.88	6.749	30.24	0
3/1/2017 16:30	4.58	168.6	20.61	6.668	30.24	0
3/1/2017 16:45	4.37	177.3	11.4	6.67	30.24	0
3/1/2017 17:00	2.903	182.5	13.28	6.653	30.24	0
3/1/2017 17:15	1.685	143.8	15.63	6.576	30.24	0
3/1/2017 17:30	1.477	123	1.46	6.437	30.24	0
3/1/2017 17:45	0.853	124.9	0.113	6.407	30.24	0
3/1/2017 18:00	0.587	119.4	8.06	6.492	30.24	0
3/1/2017 18:15	0.772	308.9	20.87	6.566	30.24	0
3/1/2017 18:30	3.828	237.6	26.13	6.582	30.24	0
3/1/2017 18:45	5.867	218.8	9.22	6.372	30.24	0.01
3/1/2017 19:00	3.417	192.3	14.98	6.012	30.24	0
3/1/2017 19:15	4.705	198.6	4.64	5.999	30.24	0
3/1/2017 19:30	5.617	199.8	8.32	5.999	30.24	0
3/1/2017 19:45	6.68	200.5	8.64	5.951	30.24	0
3/1/2017 20:00	6.119	194.1	8.19	5.857	30.25	0
3/1/2017 20:15	6.892	190.2	8.33	5.818	30.25	0
3/1/2017 20:30	5.168	183.8	19.04	5.611	30.25	0
3/1/2017 20:45	6.409	168.3	12.66	5.454	30.25	0
3/1/2017 21:00	7.656	162.9	6.054	5.392	30.26	0
3/1/2017 21:15	8.05	158.3	6.44	5.435	30.26	0
3/1/2017 21:30	7.26	151.3	7.07	5.351	30.26	0
3/1/2017 21:45	6.082	149.2	6.788	5.329	30.26	0
3/1/2017 22:00	6.859	144.6	8.81	5.352	30.25	0
3/1/2017 22:15	6.42	144.4	7.115	5.298	30.25	0
3/1/2017 22:30	6.52	141.8	7.531	5.253	30.25	0
3/1/2017 22:45	6.911	148.1	7.666	5.24	30.25	0
3/1/2017 23:00	6.808	156.9	8.33	5.218	30.23	0
3/1/2017 23:15	5.507	159.6	9.03	5.25	30.23	0
3/1/2017 23:30	5.666	147.6	6.982	5.227	30.23	0
3/1/2017 23:45	4.784	147.6	6.263	5.225	30.23	0
3/2/2017 0:00	3.245	138.2	7.549	5.261	30.21	0
3/2/2017 0:15	3.617	155.2	13.82	5.382	30.21	0
3/2/2017 0:30	3.496	160.2	12.69	5.152	30.21	0
3/2/2017 0:45	3.736	185.3	13.11	4.965	30.21	0
3/2/2017 1:00	4.418	154.8	14.09	4.829	30.2	0
3/2/2017 1:15	5.057	130.6	7.785	4.988	30.2	0
3/2/2017 1:30	5.513	137.7	5.866	5.029	30.2	0
3/2/2017 1:45	5.362	149.7	7.636	5.186	30.2	0
3/2/2017 2:00	4.317	170.1	14.37	5.053	30.18	0
3/2/2017 2:15	3.506	190.4	15.16	4.853	30.18	0
3/2/2017 2:30	4.292	185	12.36	4.559	30.18	0
3/2/2017 2:45	4.375	173.6	12.87	4.439	30.18	0
3/2/2017 3:00	3.564	140.6	10.08	4.344	30.16	0.01
3/2/2017 3:15	3.443	140.2	6.806	4.312	30.16	0
3/2/2017 3:30	4.242	132.8	6.105	4.492	30.16	0.01
3/2/2017 3:45	4.945	134.1	7.048	4.465	30.16	0.01
3/2/2017 4:00	4.547	119.1	6.721	4.515	30.15	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/2/2017 4:15	4.373	125.7	7.431	4.584	30.15	0.01
3/2/2017 4:30	5.043	123.3	5.443	4.584	30.15	0.01
3/2/2017 4:45	4.236	118.2	6.984	4.555	30.15	0
3/2/2017 5:00	4.737	113.9	6.127	4.534	30.13	0
3/2/2017 5:15	4.994	115.1	7.506	4.444	30.13	0
3/2/2017 5:30	4.634	151.9	13.42	4.586	30.13	0
3/2/2017 5:45	4.252	159.6	10.16	4.49	30.13	0.01
3/2/2017 6:00	4.165	165.2	10.84	4.284	30.12	0
3/2/2017 6:15	5.192	158	10.27	4.378	30.12	0
3/2/2017 6:30	5.156	156.5	17.27	4.432	30.12	0
3/2/2017 6:45	4.398	157.4	8.62	4.422	30.12	0
3/2/2017 7:00	3.69	178.3	12.59	4.515	30.12	0
3/2/2017 7:15	3.622	161.9	22.1	4.254	30.12	0
3/2/2017 7:30	3.953	131.5	6.18	4.411	30.12	0
3/2/2017 7:45	4.799	132.4	7.65	4.563	30.12	0
3/2/2017 8:00	4.793	140	5.954	4.812	30.1	0
3/2/2017 8:15	4.21	156.3	19.4	5.092	30.1	0
3/2/2017 8:30	4.083	153.1	12.46	5.18	30.1	0
3/2/2017 8:45	3.263	157.2	10.67	5.332	30.1	0
3/2/2017 9:00	4.582	159.7	10.35	5.286	30.1	0
3/2/2017 9:15	4.4	166.8	23.2	5.27	30.1	0
3/2/2017 9:30	5.094	165.9	12.22	5.459	30.1	0
3/2/2017 9:45	5.02	166.5	11.07	5.629	30.1	0
3/2/2017 10:00	6.959	156.8	7.711	5.714	30.1	0
3/2/2017 10:15	5.753	155.1	9.48	5.809	30.1	0
3/2/2017 10:30	5.317	150.6	7.29	5.84	30.1	0
3/2/2017 10:45	5.776	147.7	9.05	5.955	30.1	0
3/2/2017 11:00	6.668	150.8	10.78	6.236	30.09	0
3/2/2017 11:15	5.386	140.3	10.6	6.326	30.09	0
3/2/2017 11:30	4.266	136.2	9.66	6.397	30.09	0
3/2/2017 11:45	4.121	147.8	9.83	6.45	30.09	0
3/2/2017 12:00	3.393	143.9	15.55	6.338	30.08	0
3/2/2017 12:15	5.236	184.6	12.28	6.362	30.08	0
3/2/2017 12:30	6.658	188.3	13.62	6.48	30.08	0
3/2/2017 12:45	9.35	197	8.52	6.817	30.08	0
3/2/2017 13:00	10.79	200.3	8.26	6.827	30.06	0.01
3/2/2017 13:15	11.57	193.9	8.14	6.621	30.06	0
3/2/2017 13:30	9.03	191.7	7.944	6.732	30.06	0
3/2/2017 13:45	8.74	185.3	8.53	6.859	30.06	0
3/2/2017 14:00	10.31	187.6	7.708	6.794	30.04	0
3/2/2017 14:15	10.65	186.1	8.5	6.854	30.04	0
3/2/2017 14:30	10.68	185.2	10.58	6.848	30.04	0
3/2/2017 14:45	9.97	187.5	7.739	6.806	30.04	0
3/2/2017 15:00	11.34	189	7.537	6.858	30.02	0
3/2/2017 15:15	10.37	191.6	8.36	6.836	30.02	0
3/2/2017 15:30	9.64	188.2	7.588	6.734	30.02	0
3/2/2017 15:45	7.875	188.4	6.662	6.639	30.02	0
3/2/2017 16:00	7.955	186.9	8.93	6.576	30	0.01
3/2/2017 16:15	11.96	193.3	9.09	6.594	30	0
3/2/2017 16:30	10.17	186.3	7.988	6.503	30	0
3/2/2017 16:45	11.07	190.2	8.52	6.445	30	0
3/2/2017 17:00	12.67	188.6	7.495	6.308	29.97	0.01
3/2/2017 17:15	11.39	188	8.81	6.03	29.97	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/2/2017 17:30	11.3	182.9	7.529	5.897	29.97	0.01
3/2/2017 17:45	9.89	183	6.983	5.671	29.97	0.01
3/2/2017 18:00	9.58	184.1	8.12	5.554	29.96	0
3/2/2017 18:15	10.52	183.4	7.751	5.525	29.96	0.01
3/2/2017 18:30	9.59	183.9	6.507	5.427	29.96	0
3/2/2017 18:45	8.96	184.2	7.806	5.358	29.96	0.01
3/2/2017 19:00	8.99	184.7	7.494	5.373	29.95	0
3/2/2017 19:15	8.18	181.2	8.28	5.339	29.95	0.01
3/2/2017 19:30	6.812	175.4	9.1	5.197	29.95	0.01
3/2/2017 19:45	7.928	184.9	7.253	5.295	29.95	0
3/2/2017 20:00	7.47	180.9	7.465	5.259	29.94	0
3/2/2017 20:15	8.97	184.7	7.956	5.28	29.94	0.01
3/2/2017 20:30	9.91	184.8	7.833	5.221	29.94	0
3/2/2017 20:45	9.08	185.5	6.563	5.149	29.94	0
3/2/2017 21:00	5.363	160.1	11.95	4.966	29.93	0
3/2/2017 21:15	5.038	137.1	9.56	4.882	29.93	0
3/2/2017 21:30	7.216	149.2	13.48	5.175	29.93	0.01
3/2/2017 21:45	10.42	168.4	13.18	5.674	29.93	0
3/2/2017 22:00	10.81	159.3	12.14	5.871	29.91	0
3/2/2017 22:15	11.83	171.3	19.85	6.094	29.91	0
3/2/2017 22:30	8.78	168.8	10.8	5.886	29.91	0
3/2/2017 22:45	7.241	150	8.68	5.719	29.91	0
3/2/2017 23:00	7.929	139.9	9.59	5.926	29.88	0
3/2/2017 23:15	8.21	143.3	7.375	6.148	29.88	0
3/2/2017 23:30	8.02	146.1	7.223	6.346	29.88	0
3/2/2017 23:45	9.04	149.5	6.396	6.586	29.88	0
3/3/2017 0:00	8.79	149.6	7.979	6.815	29.85	0
3/3/2017 0:15	9.33	151.8	6.995	7.093	29.85	0
3/3/2017 0:30	8.75	154.9	6.126	6.959	29.85	0
3/3/2017 0:45	9.22	161.2	5.937	6.759	29.85	0
3/3/2017 1:00	9.11	165.7	6.951	6.785	29.84	0
3/3/2017 1:15	8.42	172.2	8.35	6.83	29.84	0
3/3/2017 1:30	9.25	160.7	6.248	6.879	29.84	0
3/3/2017 1:45	10.33	160.9	9.72	7.095	29.84	0
3/3/2017 2:00	10.12	152.2	6.794	7.043	29.8	0
3/3/2017 2:15	10.27	153.5	7.524	7.215	29.8	0
3/3/2017 2:30	9.26	149.1	8.84	7.162	29.8	0
3/3/2017 2:45	10.93	149.7	10.76	7.358	29.8	0
3/3/2017 3:00	10.29	151.8	8.3	7.448	29.77	0
3/3/2017 3:15	9.52	149.3	9.34	7.531	29.77	0
3/3/2017 3:30	10.39	155.5	8.74	7.656	29.77	0
3/3/2017 3:45	11.71	166.3	7.904	7.691	29.77	0
3/3/2017 4:00	11.69	170.5	9.61	7.699	29.73	0
3/3/2017 4:15	13.49	177.7	10.78	7.938	29.73	0
3/3/2017 4:30	14.35	177.7	9.81	8.1	29.73	0
3/3/2017 4:45	15.82	181.6	9.04	8.14	29.73	0
3/3/2017 5:00	14.45	184.2	9.55	8.14	29.71	0
3/3/2017 5:15	15.39	182.4	8.96	8.2	29.71	0
3/3/2017 5:30	15.64	189.2	9.08	7.851	29.71	0
3/3/2017 5:45	13.78	184.2	9.26	7.476	29.71	0
3/3/2017 6:00	11.53	179.9	7.897	7.419	29.69	0
3/3/2017 6:15	11.36	177.4	9.16	7.51	29.69	0
3/3/2017 6:30	11.07	167.9	9.06	7.51	29.69	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/2017 6:45	11.59	184.8	8.32	7.825	29.69	0
3/3/2017 7:00	12.63	185.6	9.52	7.649	29.66	0.01
3/3/2017 7:15	11.58	181.9	7.98	7.76	29.66	0
3/3/2017 7:30	13.38	186.7	7.697	8.12	29.66	0
3/3/2017 7:45	12.25	183.2	8.31	8.31	29.66	0
3/3/2017 8:00	12.45	185.4	8.35	8.46	29.63	0
3/3/2017 8:15	11.53	195.7	10.16	8.51	29.63	0
3/3/2017 8:30	11.41	194.1	7.815	8.65	29.63	0
3/3/2017 8:45	11.83	193.6	10.37	8.82	29.63	0
3/3/2017 9:00	12.06	193.7	8.99	9.08	29.6	0
3/3/2017 9:15	13.62	196.6	7.475	9.22	29.6	0
3/3/2017 9:30	14.53	197	9.5	9.32	29.6	0
3/3/2017 9:45	15.42	204.3	8.83	9.38	29.6	0
3/3/2017 10:00	14.57	211.7	9.18	9.49	29.59	0
3/3/2017 10:15	13.08	209.3	8.9	9.53	29.59	0
3/3/2017 10:30	14.72	201.6	8.86	9.77	29.59	0
3/3/2017 10:45	17.88	198.5	9.08	10.04	29.59	0
3/3/2017 11:00	16.81	202.2	8.43	10.13	29.55	0
3/3/2017 11:15	14.51	198.8	9.26	10.22	29.55	0
3/3/2017 11:30	18.72	196.8	10.09	10.23	29.55	0
3/3/2017 11:45	17.13	198.2	9.11	10.33	29.55	0
3/3/2017 12:00	20.19	201.1	8.14	10.34	29.5	0
3/3/2017 12:15	18.86	200.6	9.96	10.39	29.5	0
3/3/2017 12:30	20.06	203.1	9.55	10.35	29.5	0
3/3/2017 12:45	19.92	197.7	8.83	10.23	29.5	0
3/3/2017 13:00	18.37	196.7	8.4	10.19	29.45	0
3/3/2017 13:15	18.96	199.2	10.26	10.44	29.45	0
3/3/2017 13:30	19.4	201.5	10.51	10.39	29.45	0
3/3/2017 13:45	17.64	200	10.92	10.5	29.45	0
3/3/2017 14:00	14.82	198.3	9.67	10.38	29.39	0
3/3/2017 14:15	18.47	194.2	9.68	10.07	29.39	0
3/3/2017 14:30	15.74	198.2	9.09	9.99	29.39	0
3/3/2017 14:45	16.87	192.6	9.59	10.44	29.39	0
3/3/2017 15:00	13.95	190	9.94	10.58	29.33	0
3/3/2017 15:15	16.09	199.5	7.264	10.57	29.33	0
3/3/2017 15:30	14.26	209.2	9.3	10.36	29.33	0.01
3/3/2017 15:45	14.87	215.5	10.51	10.04	29.33	0.01
3/3/2017 16:00	21.4	217	9.51	8.96	29.31	0.04
3/3/2017 16:15	14.84	218.2	6.807	8.14	29.31	0.03
3/3/2017 16:30	10.86	217.6	8.51	7.809	29.31	0.05
3/3/2017 16:45	12.35	224.5	7.116	7.694	29.31	0.03
3/3/2017 17:00	12.91	238.7	11.08	7.554	29.31	0.03
3/3/2017 17:15	16.59	237.1	7.529	7.249	29.31	0.03
3/3/2017 17:30	17.4	233.5	8.94	7.053	29.31	0.02
3/3/2017 17:45	16.07	228	8.86	6.838	29.31	0.02
3/3/2017 18:00	14.69	216.9	9.04	6.743	29.3	0.01
3/3/2017 18:15	13.18	193.4	13.29	6.595	29.3	0.02
3/3/2017 18:30	13.83	186	8.87	6.547	29.3	0
3/3/2017 18:45	14.19	185.6	7.377	6.594	29.3	0
3/3/2017 19:00	10.04	179.8	10.84	6.482	29.27	0
3/3/2017 19:15	12.1	165.1	6.56	6.397	29.27	0
3/3/2017 19:30	11.38	164.3	6.91	6.245	29.27	0.01
3/3/2017 19:45	9.57	164.9	6.699	6.122	29.27	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/2017 20:00	11.09	171.5	12.33	6.255	29.25	0
3/3/2017 20:15	15.96	205.9	23.36	5.743	29.25	0.03
3/3/2017 20:30	18.64	236.7	7.748	4.428	29.25	0.02
3/3/2017 20:45	17.12	233.9	9.74	4.065	29.25	0.02
3/3/2017 21:00	17.63	231.2	10.24	3.782	29.32	0.02
3/3/2017 21:15	15.16	231	10.06	3.569	29.32	0
3/3/2017 21:30	12.25	201.7	17.21	3.511	29.32	0
3/3/2017 21:45	11.04	172	14	3.449	29.32	0
3/3/2017 22:00	10.54	167.9	14.76	3.386	29.36	0
3/3/2017 22:15	10.63	180.1	15.34	3.38	29.36	0
3/3/2017 22:30	12.75	175.1	10.33	3.359	29.36	0
3/3/2017 22:45	11.35	203.4	9.19	3.269	29.36	0
3/3/2017 23:00	12.85	195.6	9.93	3.283	29.38	0
3/3/2017 23:15	11.2	190.2	8.6	3.201	29.38	0
3/3/2017 23:30	11.4	197.5	7.546	3.15	29.38	0.01
3/3/2017 23:45	10.8	207.7	7.763	3.175	29.38	0
3/4/2017 0:00	13.53	208.5	8.17	3.126	29.4	0
3/4/2017 0:15	12.57	212.4	7.787	3.056	29.4	0
3/4/2017 0:30	13.87	210.7	9.37	2.924	29.4	0
3/4/2017 0:45	14.9	216.4	9.76	2.779	29.4	0
3/4/2017 1:00	14.84	216.2	8.86	2.599	29.41	0
3/4/2017 1:15	12.45	207.7	6.493	2.493	29.41	0
3/4/2017 1:30	10.46	195.7	14.2	2.461	29.41	0
3/4/2017 1:45	9.63	185.1	8.92	2.393	29.41	0
3/4/2017 2:00	9.91	165.2	10.6	2.23	29.41	0
3/4/2017 2:15	10.3	165.9	10.63	2.059	29.41	0
3/4/2017 2:30	9.23	168.1	10.19	1.946	29.41	0
3/4/2017 2:45	8.51	155.1	7.209	1.657	29.41	0
3/4/2017 3:00	8.61	150.4	11.64	1.696	29.41	0
3/4/2017 3:15	8.25	156.6	10.22	1.821	29.41	0
3/4/2017 3:30	9.08	172.2	15.22	1.903	29.41	0
3/4/2017 3:45	14.78	211.2	12.4	1.851	29.41	0
3/4/2017 4:00	12.68	225.7	11.34	1.183	29.42	0
3/4/2017 4:15	10.1	193	10.25	1.29	29.42	0
3/4/2017 4:30	7.436	170	11.11	1.169	29.42	0
3/4/2017 4:45	5.357	155.6	9.58	0.951	29.42	0
3/4/2017 5:00	5.235	146.8	11.72	1.021	29.42	0
3/4/2017 5:15	6.102	136.7	8.32	1.12	29.42	0
3/4/2017 5:30	5.726	141.6	13.51	1.127	29.42	0
3/4/2017 5:45	6.736	151.9	7.273	1.14	29.42	0
3/4/2017 6:00	5.414	145.9	7.088	0.943	29.42	0
3/4/2017 6:15	4.742	141.5	8.44	1.037	29.42	0
3/4/2017 6:30	5.308	156.3	14.36	0.934	29.42	0
3/4/2017 6:45	6.439	156.4	7.914	0.978	29.42	0
3/4/2017 7:00	8.23	179.5	14.13	1.373	29.41	0
3/4/2017 7:15	6.587	168.1	19.59	1.164	29.41	0
3/4/2017 7:30	2.616	100.4	19.75	0.86	29.41	0
3/4/2017 7:45	3.277	102.1	12.52	0.979	29.41	0
3/4/2017 8:00	5.078	120.7	5.112	1.433	29.4	0
3/4/2017 8:15	4.045	132.3	6.557	1.808	29.4	0
3/4/2017 8:30	3.831	136.2	8.39	2.105	29.4	0
3/4/2017 8:45	1.274	150.5	9.45	2.914	29.4	0
3/4/2017 9:00	1.617	125	15.52	3.099	29.39	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/4/2017 9:15	1.37	123	13.46	3.691	29.39	0
3/4/2017 9:30	3.311	218.7	33.99	4.13	29.39	0
3/4/2017 9:45	4.381	197.4	31.16	4.209	29.39	0
3/4/2017 10:00	7.408	206.5	14.15	3.889	29.38	0
3/4/2017 10:15	5.421	197.6	10.61	3.812	29.38	0
3/4/2017 10:30	6.45	194.5	19.34	4.743	29.38	0
3/4/2017 10:45	6.897	168.5	21.84	5.094	29.38	0
3/4/2017 11:00	7.086	172	15.3	4.79	29.35	0
3/4/2017 11:15	5.954	185.8	14.34	4.659	29.35	0
3/4/2017 11:30	5.455	219.8	12.32	4.749	29.35	0
3/4/2017 11:45	3.96	222.3	18.85	5.106	29.35	0
3/4/2017 12:00	3.492	176.3	28.32	5.273	29.33	0
3/4/2017 12:15	4.978	185.1	29.26	5.506	29.33	0
3/4/2017 12:30	3.08	66.76	61.73	5.678	29.33	0
3/4/2017 12:45	2.914	40.6	40.78	5.809	29.33	0
3/4/2017 13:00	3.095	85.4	51.22	5.972	29.28	0
3/4/2017 13:15	3.095	19.62	26.18	6.125	29.28	0
3/4/2017 13:30	2.095	89.4	60.36	6.024	29.28	0
3/4/2017 13:45	2.52	99.8	50.73	6.245	29.28	0
3/4/2017 14:00	2.575	32.22	16.96	6.083	29.24	0
3/4/2017 14:15	4.074	57.89	12.54	5.841	29.24	0
3/4/2017 14:30	3.808	24.16	19.75	5.996	29.24	0
3/4/2017 14:45	5.648	9.75	23.13	5.812	29.24	0
3/4/2017 15:00	4.318	35.25	24.74	5.482	29.21	0
3/4/2017 15:15	6.015	89	20.72	5.327	29.21	0
3/4/2017 15:30	5.141	106.5	19.61	5.226	29.21	0
3/4/2017 15:45	6.932	120.1	20.53	5.032	29.21	0
3/4/2017 16:00	8.18	104.5	19.93	4.001	29.2	0
3/4/2017 16:15	6.076	65.52	15.93	3.098	29.2	0.01
3/4/2017 16:30	4.714	43.32	6.694	3.053	29.2	0
3/4/2017 16:45	3.321	18.12	9.13	3.269	29.2	0
3/4/2017 17:00	3.578	5.414	14.34	3.436	29.13	0
3/4/2017 17:15	2.671	14.77	10.9	3.431	29.13	0
3/4/2017 17:30	4.047	15.05	9.77	3.712	29.13	0
3/4/2017 17:45	3	15.5	14.58	3.708	29.13	0
3/4/2017 18:00	2.966	34.89	15.09	3.611	29.1	0
3/4/2017 18:15	2.481	31.38	13.74	3.704	29.1	0
3/4/2017 18:30	2.599	62.27	10.65	3.906	29.1	0
3/4/2017 18:45	2.694	63.42	4.531	3.728	29.1	0
3/4/2017 19:00	2.304	52.11	4.141	3.738	29.07	0
3/4/2017 19:15	1.212	49.33	0.226	3.64	29.07	0
3/4/2017 19:30	1.575	49.89	0.747	3.577	29.07	0
3/4/2017 19:45	0.749	50.64	0.063	3.336	29.07	0
3/4/2017 20:00	3.102	158.2	32.55	3.724	29.06	0
3/4/2017 20:15	5.822	170.4	26.63	3.687	29.06	0
3/4/2017 20:30	6.326	140.1	9.39	3.808	29.06	0
3/4/2017 20:45	6.174	146.4	9.19	3.686	29.06	0
3/4/2017 21:00	5.217	172.4	28.16	3.432	29.06	0
3/4/2017 21:15	6.245	180	15.34	3.221	29.06	0
3/4/2017 21:30	7.461	167.6	10.73	3.094	29.06	0.01
3/4/2017 21:45	7.546	166.1	8.42	3.041	29.06	0.01
3/4/2017 22:00	5.769	171	9.45	2.801	29.06	0.01
3/4/2017 22:15	4.998	134.2	15.89	2.57	29.06	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/4/2017 22:30	4.366	100.2	9.12	2.235	29.06	0
3/4/2017 22:45	3.768	89.5	7.149	2.032	29.06	0
3/4/2017 23:00	3.87	109.5	11.73	2.054	29.04	0
3/4/2017 23:15	5.857	146	10.4	2.342	29.04	0
3/4/2017 23:30	7.142	162.1	11.62	2.504	29.04	0
3/4/2017 23:45	7.113	149	15.88	2.678	29.04	0
3/5/2017 0:00	6.875	137.4	10.31	2.804	29.04	0
3/5/2017 0:15	5.093	135.9	10.4	2.856	29.04	0
3/5/2017 0:30	4.16	156.6	31.85	2.741	29.04	0
3/5/2017 0:45	3.953	202.8	13.68	2.824	29.04	0
3/5/2017 1:00	4.598	186.3	11.78	2.592	29.04	0.01
3/5/2017 1:15	3.299	147.5	23.7	2.437	29.04	0
3/5/2017 1:30	3.674	123.2	17.64	2.138	29.04	0.01
3/5/2017 1:45	6.788	170.9	17.82	2.215	29.04	0.03
3/5/2017 2:00	6.357	155.7	10.35	1.648	29.04	0
3/5/2017 2:15	4.686	129.8	6.505	1.662	29.04	0
3/5/2017 2:30	11.74	191.7	27.48	1.614	29.04	0.03
3/5/2017 2:45	13.77	219.9	7.387	1.036	29.04	0.01
3/5/2017 3:00	6.352	177.5	35.73	0.445	29.05	0
3/5/2017 3:15	5.79	145.8	8.75	0.398	29.05	0
3/5/2017 3:30	6.662	155.7	12.15	0.551	29.05	0
3/5/2017 3:45	8.77	170.8	9.41	0.722	29.05	0
3/5/2017 4:00	10.29	185.1	8.8	0.779	29.06	0.01
3/5/2017 4:15	7.955	179	10.52	0.775	29.06	0
3/5/2017 4:30	7.018	165.8	13.25	0.682	29.06	0
3/5/2017 4:45	6.246	145.8	8.97	0.443	29.06	0
3/5/2017 5:00	5.148	142.5	12.86	0.407	29.06	0
3/5/2017 5:15	6.046	136.7	10.14	0.514	29.06	0
3/5/2017 5:30	6.966	124.5	11.43	0.536	29.06	0
3/5/2017 5:45	7.104	135.1	8.69	0.81	29.06	0
3/5/2017 6:00	5.157	134.5	6.96	0.783	29.07	0
3/5/2017 6:15	5.417	125.3	7.129	0.666	29.07	0
3/5/2017 6:30	5.801	124.9	12.07	0.903	29.07	0
3/5/2017 6:45	5.925	156.6	18.21	1.365	29.07	0
3/5/2017 7:00	6.012	147.5	15.35	1.447	29.07	0
3/5/2017 7:15	7.502	165.9	18.51	1.77	29.07	0
3/5/2017 7:30	6.786	161.4	11.36	1.678	29.07	0
3/5/2017 7:45	5.532	138.3	10.77	1.594	29.07	0
3/5/2017 8:00	4.003	129.5	12.39	1.578	29.06	0
3/5/2017 8:15	5.266	150	18.56	1.74	29.06	0
3/5/2017 8:30	7.407	153.4	20.47	1.953	29.06	0.01
3/5/2017 8:45	4.451	132.5	25.62	2.178	29.06	0
3/5/2017 9:00	3.845	130.9	24.33	2.874	29.06	0
3/5/2017 9:15	5.428	143.2	16.34	3.13	29.06	0
3/5/2017 9:30	5.959	147.9	14.62	3.623	29.06	0
3/5/2017 9:45	7.979	164	15.49	3.665	29.06	0
3/5/2017 10:00	10.39	183	17.97	4.33	29.06	0
3/5/2017 10:15	10.91	190.4	10.01	4.534	29.06	0
3/5/2017 10:30	13.91	203.6	12.1	4.929	29.06	0
3/5/2017 10:45	13.13	199.3	9.61	4.688	29.06	0
3/5/2017 11:00	12.31	199.1	9.76	4.951	29.06	0
3/5/2017 11:15	16.36	211.1	10.39	4.905	29.06	0
3/5/2017 11:30	18.98	210.2	10.02	5.033	29.06	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/5/2017 11:45	18.4	216.2	9.02	4.767	29.06	0
3/5/2017 12:00	13.44	217.9	7.196	4.759	29.06	0
3/5/2017 12:15	11.34	219.1	11.45	4.773	29.06	0
3/5/2017 12:30	10.35	212.9	12.01	4.791	29.06	0
3/5/2017 12:45	15.42	219.4	11.91	4.789	29.06	0
3/5/2017 13:00	9.91	232.7	10.63	4.94	29.05	0
3/5/2017 13:15	9.24	239.8	15.13	4.857	29.05	0
3/5/2017 13:30	6.412	236	13.23	4.817	29.05	0
3/5/2017 13:45	13.44	208.4	13.5	5.353	29.05	0
3/5/2017 14:00	15.03	210.4	9.48	5.446	29.04	0
3/5/2017 14:15	11.51	203.5	10.86	5.64	29.04	0
3/5/2017 14:30	10.96	204.1	10.33	5.725	29.04	0
3/5/2017 14:45	11.35	200.9	11.53	5.843	29.04	0
3/5/2017 15:00	16.57	205.3	11.97	5.883	29.03	0
3/5/2017 15:15	14.05	196.9	12.49	5.986	29.03	0
3/5/2017 15:30	11.95	187.9	9.86	6.379	29.03	0
3/5/2017 15:45	14.64	194.6	11.9	6.556	29.03	0
3/5/2017 16:00	18.85	199.6	11.87	6.537	29.03	0
3/5/2017 16:15	19.26	195.8	11.41	6.244	29.03	0
3/5/2017 16:30	20.83	193.5	9.88	6.172	29.03	0
3/5/2017 16:45	22.33	197.2	11.74	5.831	29.03	0
3/5/2017 17:00	21.4	205.5	12.86	4.785	29.05	0
3/5/2017 17:15	21.98	194.6	9.8	4.101	29.05	0
3/5/2017 17:30	19.68	193	10.75	3.347	29.05	0
3/5/2017 17:45	21.95	190.2	10.22	2.739	29.05	0
3/5/2017 18:00	19.27	194	8.54	2.172	29.07	0
3/5/2017 18:15	12.91	186.7	7.58	2.092	29.07	0
3/5/2017 18:30	10.63	186.9	9.25	2.208	29.07	0
3/5/2017 18:45	13.95	185.2	12.66	2.512	29.07	0
3/5/2017 19:00	15.61	187.1	10.47	2.785	29.1	0
3/5/2017 19:15	14.75	193.6	8.03	2.629	29.1	0
3/5/2017 19:30	16.96	198.6	10.6	2.483	29.1	0
3/5/2017 19:45	14.1	195.3	7.967	2.458	29.1	0
3/5/2017 20:00	15.76	195	8.04	2.527	29.12	0
3/5/2017 20:15	11.71	190.3	8.13	2.533	29.12	0
3/5/2017 20:30	9.71	185.7	10.6	2.558	29.12	0
3/5/2017 20:45	9.79	188.7	9.62	2.561	29.12	0
3/5/2017 21:00	10.58	185.2	8.98	2.601	29.14	0
3/5/2017 21:15	14.07	194.9	12.58	2.641	29.14	0
3/5/2017 21:30	15.65	200.7	8.18	2.584	29.14	0
3/5/2017 21:45	14.99	198.4	9.76	2.483	29.14	0
3/5/2017 22:00	14.45	192.6	8.55	2.425	29.18	0
3/5/2017 22:15	11.07	188.1	8.89	2.37	29.18	0
3/5/2017 22:30	12.05	182	12.13	2.318	29.18	0
3/5/2017 22:45	12.06	183	8.33	2.237	29.18	0
3/5/2017 23:00	12.31	184.3	8.3	2.28	29.2	0
3/5/2017 23:15	14.13	186.8	9.01	2.333	29.2	0
3/5/2017 23:30	14.29	192.9	7.806	2.407	29.2	0
3/5/2017 23:45	14.73	200.7	9.61	2.51	29.2	0
3/6/2017 0:00	12.57	189.7	13.86	2.304	29.24	0
3/6/2017 0:15	12.64	197	13.19	2.331	29.24	0
3/6/2017 0:30	12	191.7	11.03	2.389	29.24	0
3/6/2017 0:45	13.71	191.2	13.39	2.477	29.24	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/2017 1:00	15.96	191.2	9.3	2.541	29.26	0
3/6/2017 1:15	14.34	187.6	9.94	2.422	29.26	0
3/6/2017 1:30	12.91	185.8	11.29	2.32	29.26	0
3/6/2017 1:45	12	187.2	11.24	2.305	29.26	0
3/6/2017 2:00	11.89	189.8	8.19	2.214	29.31	0
3/6/2017 2:15	11.85	192.2	10.19	2.114	29.31	0
3/6/2017 2:30	11.6	196.7	10.73	1.915	29.31	0
3/6/2017 2:45	15.17	206.1	8.08	1.661	29.31	0
3/6/2017 3:00	13.41	200.5	8.75	1.61	29.32	0
3/6/2017 3:15	12.05	199.2	8.56	1.447	29.32	0
3/6/2017 3:30	11.4	188.2	10.1	1.429	29.32	0
3/6/2017 3:45	10.21	186	8.88	1.28	29.32	0
3/6/2017 4:00	9.32	180.8	11.91	1.332	29.34	0
3/6/2017 4:15	8.72	180.7	11.63	1.416	29.34	0
3/6/2017 4:30	10.08	178.7	11.31	1.468	29.34	0
3/6/2017 4:45	9.79	185.1	10.39	1.456	29.34	0
3/6/2017 5:00	11.48	185.2	8.77	1.439	29.37	0
3/6/2017 5:15	8.16	175.3	11.4	1.338	29.37	0
3/6/2017 5:30	8.76	180.4	10.58	1.218	29.37	0
3/6/2017 5:45	8.66	189	11.13	0.832	29.37	0
3/6/2017 6:00	7.926	171.5	11.46	0.482	29.38	0
3/6/2017 6:15	6.593	160.2	16.24	0.227	29.38	0
3/6/2017 6:30	4.33	142.8	7.406	0.045	29.38	0
3/6/2017 6:45	3.892	160.4	27.81	0.055	29.38	0
3/6/2017 7:00	6.644	187	8.16	0.107	29.39	0
3/6/2017 7:15	7.488	182.6	8.2	0.081	29.39	0
3/6/2017 7:30	6.617	165.1	12.17	0.075	29.39	0
3/6/2017 7:45	7.1	168.3	10.46	0.11	29.39	0
3/6/2017 8:00	8.82	179.5	7.371	0.126	29.41	0
3/6/2017 8:15	7.955	185.3	7.744	0.168	29.41	0
3/6/2017 8:30	6.96	184.7	6.879	0.245	29.41	0
3/6/2017 8:45	4.258	158.8	14.12	0.351	29.41	0
3/6/2017 9:00	3.835	146.1	11.96	0.459	29.44	0
3/6/2017 9:15	4.725	161.4	7.793	0.535	29.44	0
3/6/2017 9:30	4.971	156.2	6.192	0.653	29.44	0.01
3/6/2017 9:45	5.354	153.8	7.042	0.83	29.44	0
3/6/2017 10:00	6.362	173.4	17.73	0.957	29.46	0
3/6/2017 10:15	8.36	184.2	15.69	1.346	29.46	0.01
3/6/2017 10:30	7.001	200.2	14.4	1.525	29.46	0.01
3/6/2017 10:45	9.5	223.8	12.63	1.744	29.46	0.02
3/6/2017 11:00	16.84	215	10.16	1.795	29.49	0.02
3/6/2017 11:15	13.72	216.3	8.85	1.269	29.49	0
3/6/2017 11:30	11.14	204.7	7.871	1.481	29.49	0.01
3/6/2017 11:45	9.38	188.5	10.39	1.958	29.49	0
3/6/2017 12:00	8.06	179.9	12.49	2.368	29.53	0
3/6/2017 12:15	9.05	197.5	13.76	2.849	29.53	0
3/6/2017 12:30	15.24	225.1	10.53	3.307	29.53	0
3/6/2017 12:45	14.51	216.4	12.85	3.902	29.53	0
3/6/2017 13:00	11.64	219.5	10.16	3.81	29.54	0
3/6/2017 13:15	13.23	213.2	11.61	4.092	29.54	0
3/6/2017 13:30	14.49	215.3	8.22	4.121	29.54	0
3/6/2017 13:45	12.3	218.9	9.24	4.394	29.54	0
3/6/2017 14:00	14.83	215.9	9.3	3.803	29.54	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/2017 14:15	18.29	211.7	7.182	2.737	29.54	0
3/6/2017 14:30	12.63	219.2	8.81	3.312	29.54	0
3/6/2017 14:45	11.86	211.7	9.86	3.616	29.54	0
3/6/2017 15:00	13.83	218.9	9.8	3.414	29.58	0
3/6/2017 15:15	11.89	218.5	13.7	3.184	29.58	0
3/6/2017 15:30	9.07	250.2	25.49	1.964	29.58	0
3/6/2017 15:45	11.28	214.4	10.16	1.337	29.58	0
3/6/2017 16:00	8.32	217.4	11.7	1.597	29.58	0.02
3/6/2017 16:15	10.87	238.6	9.2	1.798	29.58	0.01
3/6/2017 16:30	11.3	219.2	10.3	1.599	29.58	0.01
3/6/2017 16:45	10.74	204.6	8.18	1.227	29.58	0.01
3/6/2017 17:00	8.9	200.5	16.51	0.901	29.62	0
3/6/2017 17:15	10.11	194.8	13.87	0.866	29.62	0.01
3/6/2017 17:30	8.84	188.1	12.98	0.696	29.62	0
3/6/2017 17:45	6.027	163.1	16.2	0.82	29.62	0
3/6/2017 18:00	8.33	166.7	14.81	0.519	29.64	0
3/6/2017 18:15	7.915	151.5	12.38	0.485	29.64	0
3/6/2017 18:30	7.069	147	10.65	0.486	29.64	0
3/6/2017 18:45	8.16	143	9.44	0.448	29.64	0
3/6/2017 19:00	7.433	150	7.869	0.32	29.66	0
3/6/2017 19:15	5.656	144.2	8.48	0.309	29.66	0
3/6/2017 19:30	6.822	131.8	10.14	0.289	29.66	0
3/6/2017 19:45	5.858	138.4	7.263	0.403	29.66	0
3/6/2017 20:00	6.375	134.3	10.16	0.449	29.69	0
3/6/2017 20:15	5.074	143.2	9.71	0.473	29.69	0
3/6/2017 20:30	4.55	137.1	13.1	0.432	29.69	0
3/6/2017 20:45	5.142	135.6	11.45	0.459	29.69	0
3/6/2017 21:00	5.446	149.4	12.31	0.528	29.7	0
3/6/2017 21:15	9.27	164.4	7.257	0.588	29.7	0
3/6/2017 21:30	6.421	152.8	5.473	0.33	29.7	0
3/6/2017 21:45	5.812	154.3	8.08	0.377	29.7	0
3/6/2017 22:00	6.286	157.4	6.533	0.457	29.72	0
3/6/2017 22:15	6.049	152.8	8.44	0.64	29.72	0
3/6/2017 22:30	6.558	141.4	8.52	0.589	29.72	0
3/6/2017 22:45	7.737	146.5	9.43	0.67	29.72	0
3/6/2017 23:00	6.832	150	12.02	0.637	29.73	0
3/6/2017 23:15	7.084	130.8	8.31	0.506	29.73	0
3/6/2017 23:30	6.073	144.1	7.477	0.437	29.73	0
3/6/2017 23:45	6.804	141.5	8.97	0.422	29.73	0
3/7/2017 0:00	7.888	149.3	7.39	0.471	29.73	0
3/7/2017 0:15	6.888	136.1	7.484	0.547	29.73	0
3/7/2017 0:30	6.921	136.7	9.11	0.717	29.73	0
3/7/2017 0:45	7.508	136.2	8.12	1.07	29.73	0
3/7/2017 1:00	6.748	147.9	9.03	1.199	29.73	0
3/7/2017 1:15	6.963	154.2	8.27	1.21	29.73	0
3/7/2017 1:30	8.03	155.9	7.883	1.165	29.73	0
3/7/2017 1:45	9.6	161.3	5.966	0.805	29.73	0
3/7/2017 2:00	8.12	156.2	10.06	0.648	29.73	0
3/7/2017 2:15	5.637	153.6	7.094	0.583	29.73	0
3/7/2017 2:30	6.194	152	7.739	0.469	29.73	0
3/7/2017 2:45	6.38	141.9	6.268	0.515	29.73	0
3/7/2017 3:00	7.94	144.2	7.966	0.663	29.73	0
3/7/2017 3:15	7.822	146.1	8.56	0.881	29.73	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/7/2017 3:30	8.27	141.5	9.04	1.024	29.73	0
3/7/2017 3:45	6.767	144.6	7.424	1.094	29.73	0.01
3/7/2017 4:00	6.661	145.6	8.94	1.196	29.73	0
3/7/2017 4:15	5.985	141.4	9.27	1.395	29.73	0
3/7/2017 4:30	7.037	130.3	6.976	1.591	29.73	0
3/7/2017 4:45	6.798	138.1	10.06	1.761	29.73	0
3/7/2017 5:00	6.073	142.2	8.42	1.795	29.73	0
3/7/2017 5:15	7.601	155.6	6.867	1.79	29.73	0
3/7/2017 5:30	7.113	148.7	7.25	1.697	29.73	0
3/7/2017 5:45	7.617	147.5	7.718	1.519	29.73	0.01
3/7/2017 6:00	7.354	144.7	9.12	1.117	29.73	0.01
3/7/2017 6:15	6.147	120.8	10.24	0.662	29.73	0
3/7/2017 6:30	6.616	121.7	9.25	0.601	29.73	0.01
3/7/2017 6:45	6.373	126.9	9.11	0.777	29.73	0.01
3/7/2017 7:00	5.537	117.5	9.03	0.799	29.69	0.01
3/7/2017 7:15	5.428	123.2	7.66	0.752	29.69	0
3/7/2017 7:30	5.718	121.3	10.4	0.809	29.69	0.01
3/7/2017 7:45	8.92	126.8	10.87	1.007	29.69	0.01
3/7/2017 8:00	10.49	125	10.91	1.378	29.69	0.01
3/7/2017 8:15	10.07	137.3	9.99	1.382	29.69	0.01
3/7/2017 8:30	9.53	139.1	9.68	1.183	29.69	0.01
3/7/2017 8:45	9.35	137.1	9.23	0.933	29.69	0.01
3/7/2017 9:00	9.22	136.7	8.17	0.969	29.68	0.01
3/7/2017 9:15	10.26	135.2	9.81	1.148	29.68	0.01
3/7/2017 9:30	10.56	133.3	9.17	1.444	29.68	0.01
3/7/2017 9:45	9.48	125.8	10.13	1.806	29.68	0.02
3/7/2017 10:00	10.79	128.2	9.1	2.209	29.65	0.01
3/7/2017 10:15	11.58	127.2	10.87	2.451	29.65	0
3/7/2017 10:30	12.2	123.1	10.08	2.612	29.65	0.01
3/7/2017 10:45	10.81	125.9	9.55	2.916	29.65	0
3/7/2017 11:00	11.35	128.6	9.27	3.124	29.64	0
3/7/2017 11:15	11.3	130.7	10.12	3.17	29.64	0.01
3/7/2017 11:30	11.07	133.2	8.57	3.098	29.64	0.01
3/7/2017 11:45	11	134.3	9.05	3.126	29.64	0.01
3/7/2017 12:00	11.34	132	8.42	3.063	29.62	0.02
3/7/2017 12:15	12	131.1	10.53	2.87	29.62	0.01
3/7/2017 12:30	11.07	120.3	10.3	2.776	29.62	0.02
3/7/2017 12:45	11.17	125.9	9.81	2.762	29.62	0.02
3/7/2017 13:00	10.73	126.5	10.36	2.801	29.58	0.02
3/7/2017 13:15	9.75	130.3	10.46	2.875	29.58	0.02
3/7/2017 13:30	11.21	124.4	10.14	2.89	29.58	0.02
3/7/2017 13:45	10.09	122.4	9.4	2.87	29.58	0.01
3/7/2017 14:00	9.53	121	10.99	2.974	29.53	0.02
3/7/2017 14:15	7.625	115.4	11.02	3.217	29.53	0.01
3/7/2017 14:30	9.7	128.4	11.61	3.57	29.53	0.01
3/7/2017 14:45	10.35	134	9.84	3.572	29.53	0.01
3/7/2017 15:00	11.28	133	10.01	3.433	29.5	0.01
3/7/2017 15:15	9.86	128.8	11.9	3.311	29.5	0.01
3/7/2017 15:30	8.1	123.9	11.25	3.279	29.5	0.02
3/7/2017 15:45	4.544	147.7	20.08	3.363	29.5	0.01
3/7/2017 16:00	4.306	153.4	18.43	3.384	29.49	0.02
3/7/2017 16:15	5.532	166	11.31	3.491	29.49	0.01
3/7/2017 16:30	4.613	155.5	12.82	3.49	29.49	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/7/2017 16:45	4.079	179.8	12.4	3.435	29.49	0.01
3/7/2017 17:00	6.496	159.7	18.35	3.208	29.49	0.01
3/7/2017 17:15	7.661	157.2	10.22	3.054	29.49	0.01
3/7/2017 17:30	8.51	152.1	8.63	2.867	29.49	0
3/7/2017 17:45	8.12	158.6	9.32	2.808	29.49	0.01
3/7/2017 18:00	8.36	169.5	9.36	2.807	29.51	0
3/7/2017 18:15	8.81	147.2	11.2	2.592	29.51	0.01
3/7/2017 18:30	8.33	143.4	9.43	2.548	29.51	0
3/7/2017 18:45	9.66	151.5	8.8	2.551	29.51	0
3/7/2017 19:00	8.47	149.6	9.67	2.53	29.53	0
3/7/2017 19:15	9.12	155.6	8.3	2.529	29.53	0
3/7/2017 19:30	8.87	156	7.707	2.598	29.53	0
3/7/2017 19:45	9.3	154.1	13.46	2.662	29.53	0
3/7/2017 20:00	9.7	154.9	12.24	2.712	29.56	0
3/7/2017 20:15	6.401	154.4	10.38	2.867	29.56	0
3/7/2017 20:30	7.605	166.5	10.9	3.2	29.56	0
3/7/2017 20:45	10.68	175.3	12.08	3.707	29.56	0
3/7/2017 21:00	12.44	183.4	9.14	3.936	29.6	0
3/7/2017 21:15	11.78	185.8	7.538	4.045	29.6	0
3/7/2017 21:30	11.61	186.9	9.15	4.255	29.6	0
3/7/2017 21:45	11.87	193.1	9.47	4.457	29.6	0
3/7/2017 22:00	13.34	193.8	9.18	4.531	29.65	0
3/7/2017 22:15	11.24	190.4	9.11	4.505	29.65	0
3/7/2017 22:30	10.74	193.6	8.03	4.53	29.65	0
3/7/2017 22:45	11.05	201.5	9.27	4.619	29.65	0
3/7/2017 23:00	11.82	209.7	11.93	4.589	29.68	0.01
3/7/2017 23:15	16.28	225.5	8.78	4.551	29.68	0.01
3/7/2017 23:30	15.05	231.1	10.36	4.44	29.68	0
3/7/2017 23:45	12.7	217.4	7.299	4.154	29.68	0
3/8/2017 0:00	11.51	214.2	8.94	4.121	29.71	0
3/8/2017 0:15	11.99	216.9	9.59	4.089	29.71	0
3/8/2017 0:30	12.14	224.9	9.82	3.943	29.71	0
3/8/2017 0:45	14.62	234.5	9.58	3.896	29.71	0
3/8/2017 1:00	15.17	230.4	8.72	3.814	29.75	0
3/8/2017 1:15	10.5	221.5	10.31	3.605	29.75	0
3/8/2017 1:30	9.91	219.1	9.09	3.547	29.75	0
3/8/2017 1:45	10.55	213.6	7.809	3.464	29.75	0
3/8/2017 2:00	11.34	213.9	8.67	3.392	29.8	0
3/8/2017 2:15	12.83	216.3	8.36	3.39	29.8	0
3/8/2017 2:30	11.35	196.5	8.25	3.227	29.8	0
3/8/2017 2:45	11.36	196.6	7.816	3.147	29.8	0
3/8/2017 3:00	14.67	197.8	8.09	3.111	29.8	0
3/8/2017 3:15	14.85	193.4	7.26	3.101	29.8	0
3/8/2017 3:30	14.1	194.4	8.26	3.089	29.8	0
3/8/2017 3:45	11.7	186.8	9.35	2.992	29.8	0
3/8/2017 4:00	11.56	180.9	10.57	2.998	29.83	0
3/8/2017 4:15	11.33	189.5	11.12	3.084	29.83	0
3/8/2017 4:30	12.14	188.7	7.819	3.035	29.83	0
3/8/2017 4:45	12.43	189.4	7.035	3.033	29.83	0
3/8/2017 5:00	12.99	192	6.561	3.08	29.85	0
3/8/2017 5:15	12.7	189.9	6.678	3.088	29.85	0
3/8/2017 5:30	13.61	187.4	7.19	3.088	29.85	0
3/8/2017 5:45	13.6	185	7.314	3.055	29.85	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/8/2017 6:00	11.91	184.9	8.45	2.94	29.85	0
3/8/2017 6:15	11.01	184.6	8.41	2.77	29.85	0
3/8/2017 6:30	10.51	184.9	8	2.64	29.85	0
3/8/2017 6:45	10.1	166.4	10.3	2.443	29.85	0
3/8/2017 7:00	10.48	163.5	6.705	2.291	29.86	0
3/8/2017 7:15	10.77	167.4	6.835	2.258	29.86	0
3/8/2017 7:30	10.04	173.7	8.09	2.358	29.86	0
3/8/2017 7:45	9.65	182.5	8.72	2.557	29.86	0
3/8/2017 8:00	7.458	177.2	9.53	2.752	29.87	0
3/8/2017 8:15	6.836	174.3	9.8	2.965	29.87	0
3/8/2017 8:30	7.311	167.1	10.12	3.172	29.87	0
3/8/2017 8:45	8.43	183.5	10.74	3.06	29.87	0
3/8/2017 9:00	8.14	184.3	7.98	3.03	29.89	0
3/8/2017 9:15	9.07	179.1	9.98	3.062	29.89	0
3/8/2017 9:30	9.76	182.9	10.19	3.146	29.89	0
3/8/2017 9:45	10.78	183.4	8.02	3.191	29.89	0
3/8/2017 10:00	10.49	183.9	10.51	3.17	29.92	0
3/8/2017 10:15	10.21	173.4	11.1	3.217	29.92	0
3/8/2017 10:30	10.31	158.2	8.39	3.054	29.92	0
3/8/2017 10:45	10.94	159.7	9.85	3.066	29.92	0
3/8/2017 11:00	11.5	161.6	11.04	3.069	29.92	0
3/8/2017 11:15	8.31	153.5	10.22	3.122	29.92	0
3/8/2017 11:30	6.661	151.8	10.79	3.175	29.92	0
3/8/2017 11:45	6.85	158.1	10.28	3.233	29.92	0
3/8/2017 12:00	6.638	150.7	13.52	3.334	29.94	0
3/8/2017 12:15	8.51	155.5	10.8	3.419	29.94	0
3/8/2017 12:30	7.861	152.4	8.8	3.507	29.94	0
3/8/2017 12:45	7	146.6	16.21	3.549	29.94	0
3/8/2017 13:00	6.295	181.8	20.09	3.704	29.94	0
3/8/2017 13:15	5.22	142.1	12.74	3.428	29.94	0
3/8/2017 13:30	5.665	136.2	18.72	3.237	29.94	0.01
3/8/2017 13:45	7.686	135.9	13.54	2.804	29.94	0
3/8/2017 14:00	7.36	135.4	11.07	2.354	29.91	0.01
3/8/2017 14:15	6.876	137	17.18	2.279	29.91	0.01
3/8/2017 14:30	8.04	132.6	11.85	1.924	29.91	0.01
3/8/2017 14:45	6.129	140.6	11.15	1.813	29.91	0.01
3/8/2017 15:00	5.72	134.1	13.2	1.899	29.89	0
3/8/2017 15:15	6.261	125.8	10.63	1.72	29.89	0.01
3/8/2017 15:30	6.783	132.4	10.02	1.532	29.89	0.01
3/8/2017 15:45	6.635	146.2	10.46	1.515	29.89	0
3/8/2017 16:00	6.31	148.5	9.12	1.513	29.87	0.01
3/8/2017 16:15	5.672	155.7	7.73	1.569	29.87	0
3/8/2017 16:30	4.937	153	8.39	1.621	29.87	0
3/8/2017 16:45	4.913	152	8.14	1.653	29.87	0.01
3/8/2017 17:00	6.27	153	6.934	1.681	29.86	0
3/8/2017 17:15	7.15	150.9	11.16	1.749	29.86	0.01
3/8/2017 17:30	6.294	154.8	9.33	1.794	29.86	0
3/8/2017 17:45	5.748	152.9	13.39	1.835	29.86	0
3/8/2017 18:00	5.107	137	9.3	1.865	29.83	0
3/8/2017 18:15	6.499	137	9.51	1.996	29.83	0
3/8/2017 18:30	8.16	144.6	8.27	2.107	29.83	0
3/8/2017 18:45	8.23	147.3	8.91	2.116	29.83	0
3/8/2017 19:00	6.71	140.3	11.95	2.174	29.84	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/8/2017 19:15	6.368	144.2	9.35	2.194	29.84	0
3/8/2017 19:30	7.695	156.3	10.76	2.329	29.84	0
3/8/2017 19:45	6.87	153.1	11.87	2.359	29.84	0.01
3/8/2017 20:00	5.248	153.8	9.55	2.375	29.83	0
3/8/2017 20:15	6.258	156.3	6.87	2.507	29.83	0
3/8/2017 20:30	6.36	151.5	7.245	2.642	29.83	0
3/8/2017 20:45	7.706	149.7	7.678	2.872	29.83	0
3/8/2017 21:00	7.054	158.5	9.14	2.856	29.81	0
3/8/2017 21:15	6.166	167.7	10.88	2.805	29.81	0.01
3/8/2017 21:30	5.496	172.6	10.93	2.699	29.81	0
3/8/2017 21:45	4.918	180.5	10.98	2.499	29.81	0
3/8/2017 22:00	4.439	180.5	10.35	2.449	29.84	0
3/8/2017 22:15	5.657	163.4	13.66	2.507	29.84	0
3/8/2017 22:30	4.886	152.2	13.87	2.584	29.84	0
3/8/2017 22:45	5.421	133	6.013	2.78	29.84	0.01
3/8/2017 23:00	6.156	133.3	5.956	2.899	29.84	0
3/8/2017 23:15	6.391	131.8	6.318	3.067	29.84	0
3/8/2017 23:30	5.84	129.6	6.313	3.187	29.84	0.01
3/8/2017 23:45	5.375	138.6	8.77	3.198	29.84	0
3/9/2017 0:00	5.958	147	7.574	3.215	29.84	0
3/9/2017 0:15	5.521	133.2	7.827	3.247	29.84	0.01
3/9/2017 0:30	4.23	145.3	9.74	3.189	29.84	0
3/9/2017 0:45	4.796	141.1	9.09	3.178	29.84	0
3/9/2017 1:00	5.008	133.3	12.92	3.292	29.84	0.01
3/9/2017 1:15	5.356	121.5	7.92	3.446	29.84	0
3/9/2017 1:30	5.65	132.3	6.24	3.577	29.84	0
3/9/2017 1:45	5.244	137.3	5.83	3.77	29.84	0
3/9/2017 2:00	4.921	147	7.328	3.824	29.84	0.01
3/9/2017 2:15	5.206	145.6	9.44	3.822	29.84	0
3/9/2017 2:30	4.327	144.7	6.23	3.797	29.84	0
3/9/2017 2:45	4.415	138.6	5.789	3.756	29.84	0.01
3/9/2017 3:00	4.838	139	7.105	3.892	29.84	0
3/9/2017 3:15	4.873	142	7.031	3.917	29.84	0
3/9/2017 3:30	4.918	136.6	9.04	4.038	29.84	0
3/9/2017 3:45	4.233	150.9	7.112	4.099	29.84	0.02
3/9/2017 4:00	3.194	153.8	9.65	4.043	29.84	0
3/9/2017 4:15	3.401	152.4	12.54	4.082	29.84	0.01
3/9/2017 4:30	2.844	169	12.39	4.085	29.84	0.01
3/9/2017 4:45	2.728	212.9	18.04	3.795	29.84	0
3/9/2017 5:00	3.485	204.4	14.35	3.659	29.85	0.01
3/9/2017 5:15	3.621	213.6	10.68	3.662	29.85	0
3/9/2017 5:30	3.085	182.4	24.11	3.659	29.85	0
3/9/2017 5:45	3.125	144	8.3	3.789	29.85	0.01
3/9/2017 6:00	2.574	117.9	3.421	3.718	29.86	0
3/9/2017 6:15	2.221	117	0.4	3.85	29.86	0
3/9/2017 6:30	1.882	125.1	18.27	4.035	29.86	0
3/9/2017 6:45	1.206	126.1	5.22	4.08	29.86	0
3/9/2017 7:00	1.11	129.4	2.126	4.033	29.85	0
3/9/2017 7:15	2.151	116.4	8.07	4.121	29.85	0.01
3/9/2017 7:30	2.113	101.1	1.424	4.178	29.85	0
3/9/2017 7:45	1.521	100.6	0.134	4.287	29.85	0.01
3/9/2017 8:00	0.547	100.6	0.105	4.369	29.84	0.01
3/9/2017 8:15	1.373	80.9	12.73	4.059	29.84	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/2017 8:30	1.731	71.86	1.632	3.934	29.84	0
3/9/2017 8:45	1.438	68.04	0.063	3.707	29.84	0
3/9/2017 9:00	2.076	27.21	12.51	3.798	29.82	0
3/9/2017 9:15	1.916	24.76	0.333	3.843	29.82	0
3/9/2017 9:30	0.087	24.88	0.022	4.037	29.82	0
3/9/2017 9:45	0.548	24.88	0.156	4.277	29.82	0
3/9/2017 10:00	1.563	105.9	68.64	4.537	29.82	0.01
3/9/2017 10:15	0.159	106.6	16.08	4.722	29.82	0
3/9/2017 10:30	3.275	237.3	16.03	4.847	29.82	0.01
3/9/2017 10:45	3.326	252	10.02	4.948	29.82	0.01
3/9/2017 11:00	2.072	236.1	18.84	4.956	29.83	0
3/9/2017 11:15	2.344	151.8	28.54	5.019	29.83	0.01
3/9/2017 11:30	2.953	71.46	34.69	5.16	29.83	0
3/9/2017 11:45	3.283	50.65	15.84	5.065	29.83	0.01
3/9/2017 12:00	2.825	67.12	13.61	5.36	29.8	0
3/9/2017 12:15	3.405	60.57	9.33	5.416	29.8	0.01
3/9/2017 12:30	4.633	51.43	8.36	5.199	29.8	0.01
3/9/2017 12:45	5.251	48.03	12.9	5.331	29.8	0.01
3/9/2017 13:00	5.373	43.83	9.21	5.555	29.74	0.02
3/9/2017 13:15	5.112	41.29	5.439	5.68	29.74	0.01
3/9/2017 13:30	4.571	43.51	6.751	5.672	29.74	0.02
3/9/2017 13:45	5.68	40.12	7.421	5.628	29.74	0.01
3/9/2017 14:00	6.001	34.95	7.554	5.706	29.67	0.01
3/9/2017 14:15	5.193	47.55	9.1	5.698	29.67	0.01
3/9/2017 14:30	3.639	39.47	7.626	5.76	29.67	0.02
3/9/2017 14:45	1.705	58.28	19.84	6.132	29.67	0.02
3/9/2017 15:00	2.175	137.5	35.61	6.377	29.65	0.01
3/9/2017 15:15	4.727	143.8	12.03	6.496	29.65	0.02
3/9/2017 15:30	6.523	136.1	9.11	6.519	29.65	0.04
3/9/2017 15:45	12.19	127.9	10.15	6.746	29.65	0.02
3/9/2017 16:00	13.27	136.8	10.13	7.298	29.56	0
3/9/2017 16:15	12.76	140.8	10.42	7.682	29.56	0.01
3/9/2017 16:30	11.28	148.2	8.97	7.742	29.56	0.01
3/9/2017 16:45	11	147.8	8.44	7.88	29.56	0
3/9/2017 17:00	11.67	140	8.51	8.44	29.54	0
3/9/2017 17:15	10.91	151.8	8.31	8.82	29.54	0.01
3/9/2017 17:30	10.25	148.4	13.77	8.97	29.54	0
3/9/2017 17:45	9.89	141.4	8.68	9.27	29.54	0.01
3/9/2017 18:00	10.27	149.9	9.84	9.71	29.54	0
3/9/2017 18:15	8.84	200.5	32.36	9.42	29.54	0.04
3/9/2017 18:30	7.996	184.8	14.1	8.46	29.54	0.02
3/9/2017 18:45	6.039	201.5	9.31	8.45	29.54	0.02
3/9/2017 19:00	6.299	187.4	12.2	8.42	29.57	0.01
3/9/2017 19:15	7.484	169.8	12.05	8.62	29.57	0.01
3/9/2017 19:30	8.35	171.4	13.02	8.84	29.57	0.02
3/9/2017 19:45	7.258	169.1	12.3	8.93	29.57	0.02
3/9/2017 20:00	8.36	182.4	7.453	9.01	29.57	0.01
3/9/2017 20:15	9.96	169.7	8.67	9.13	29.57	0.01
3/9/2017 20:30	11.22	165.7	9.65	9.31	29.57	0
3/9/2017 20:45	10.79	167.4	8.26	9.59	29.57	0
3/9/2017 21:00	10.08	170.1	7.049	9.7	29.57	0.01
3/9/2017 21:15	9.13	171.5	7.919	9.83	29.57	0
3/9/2017 21:30	7.221	175.5	7.648	9.85	29.57	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/2017 21:45	7.227	175.9	10.39	9.91	29.57	0
3/9/2017 22:00	4.817	152.9	11.73	9.62	29.57	0
3/9/2017 22:15	5.82	195.6	24.3	9.92	29.57	0
3/9/2017 22:30	8.7	232.6	11.72	9.8	29.57	0
3/9/2017 22:45	14.06	236.1	7.751	9.9	29.57	0
3/9/2017 23:00	13.21	231.4	9.64	9.79	29.57	0
3/9/2017 23:15	9.84	218.8	9.33	9.5	29.57	0
3/9/2017 23:30	10.79	204.6	9.13	9.49	29.57	0
3/9/2017 23:45	10.09	210.2	8.32	9.42	29.57	0
3/10/2017 0:00	9.14	206	10.74	9.53	29.59	0
3/10/2017 0:15	9.49	189.5	12.44	9.71	29.59	0
3/10/2017 0:30	13.98	195.1	8.23	10.12	29.59	0
3/10/2017 0:45	11.14	191.8	8.79	10.23	29.59	0
3/10/2017 1:00	16.5	200.7	9.39	10.57	29.59	0
3/10/2017 1:15	18.7	202.2	8.39	10.56	29.59	0
3/10/2017 1:30	20.43	197.1	9.06	10.57	29.59	0
3/10/2017 1:45	17.31	203.4	8.27	10.5	29.59	0
3/10/2017 2:00	14.59	199	7.971	10.31	29.61	0
3/10/2017 2:15	15.52	203.3	7.303	10.15	29.61	0
3/10/2017 2:30	20.09	206.5	9.18	9.97	29.61	0
3/10/2017 2:45	18.38	211.3	8.76	9.51	29.61	0
3/10/2017 3:00	14.43	207.2	9.32	9.19	29.64	0.01
3/10/2017 3:15	18.78	209.1	11.43	9.12	29.64	0
3/10/2017 3:30	16.11	208.7	8.91	9.09	29.64	0
3/10/2017 3:45	13.89	219.2	8.59	8.89	29.64	0.02
3/10/2017 4:00	23.5	212.2	10.05	9.03	29.68	0.01
3/10/2017 4:15	19.77	212.1	9.12	8.88	29.68	0
3/10/2017 4:30	18.82	215.8	10.61	8.85	29.68	0
3/10/2017 4:45	19.8	213.6	8.12	8.79	29.68	0
3/10/2017 5:00	21.07	212.1	8.65	8.74	29.72	0
3/10/2017 5:15	19.47	210.7	9.41	8.67	29.72	0
3/10/2017 5:30	21.5	208.1	8.92	8.73	29.72	0
3/10/2017 5:45	15.06	207.4	11.62	8.72	29.72	0
3/10/2017 6:00	14.15	206	10.32	8.74	29.76	0
3/10/2017 6:15	13.98	206.5	10.25	8.66	29.76	0
3/10/2017 6:30	16.02	206.7	10.08	8.64	29.76	0
3/10/2017 6:45	15.22	211.8	7.753	8.6	29.76	0
3/10/2017 7:00	17.33	215.4	9.5	8.65	29.78	0
3/10/2017 7:15	18.17	220.2	8.26	8.62	29.78	0
3/10/2017 7:30	17.57	219.6	7.609	8.67	29.78	0
3/10/2017 7:45	16.88	221.8	8.05	8.69	29.78	0
3/10/2017 8:00	13.76	217.4	10.29	8.76	29.84	0
3/10/2017 8:15	11.76	208.3	10.83	8.94	29.84	0
3/10/2017 8:30	8.7	209.9	11.84	9.03	29.84	0
3/10/2017 8:45	11.12	212.6	14.58	9.06	29.84	0
3/10/2017 9:00	18.11	214.5	8.9	8.98	29.89	0
3/10/2017 9:15	14.4	217.1	9.11	8.61	29.89	0
3/10/2017 9:30	15.02	217.3	9.28	8.59	29.89	0
3/10/2017 9:45	12.81	213.9	8.37	8.42	29.89	0.01
3/10/2017 10:00	14.43	215.1	9.77	8.17	29.93	0.02
3/10/2017 10:15	15.4	220.6	9.17	8.3	29.93	0
3/10/2017 10:30	15.37	216.1	8.97	8.69	29.93	0
3/10/2017 10:45	12.13	217.1	10.68	8.89	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/10/2017 11:00	13.44	209.9	8.77	9.14	29.97	0
3/10/2017 11:15	16.65	217.5	11.28	9.81	29.97	0
3/10/2017 11:30	19.56	215.6	8.36	10.35	29.97	0
3/10/2017 11:45	18.87	227.5	9.11	10.3	29.97	0
3/10/2017 12:00	16.96	221.8	8.63	10.57	30.02	0
3/10/2017 12:15	14.94	237.5	11.54	10.53	30.02	0
3/10/2017 12:30	15.56	237.9	12.69	10.32	30.02	0
3/10/2017 12:45	18.99	232.2	10.31	10.08	30.02	0
3/10/2017 13:00	15.73	242.7	11.72	9.99	30.04	0
3/10/2017 13:15	11.59	247.2	15.53	9.82	30.04	0
3/10/2017 13:30	13.06	248.8	12.72	9.52	30.04	0
3/10/2017 13:45	9.19	239.7	10.54	9.51	30.04	0
3/10/2017 14:00	10.67	264.8	14.9	9.71	30.04	0
3/10/2017 14:15	10.22	258.4	10.87	9.57	30.04	0
3/10/2017 14:30	8.35	270.6	19.59	9.92	30.04	0
3/10/2017 14:45	7.43	278.3	21.84	9.76	30.04	0
3/10/2017 15:00	7.549	261.9	19.59	9.49	30.05	0
3/10/2017 15:15	7.867	255.5	17.65	9.5	30.05	0
3/10/2017 15:30	8.92	268.2	14.78	9.7	30.05	0
3/10/2017 15:45	7.867	265.3	12.66	9.69	30.05	0
3/10/2017 16:00	10.27	263	10.42	9.21	30.04	0
3/10/2017 16:15	10.56	260.8	8.7	9.17	30.04	0
3/10/2017 16:30	7.689	269	13.9	9.09	30.04	0
3/10/2017 16:45	10.32	253.1	7.235	8.77	30.04	0
3/10/2017 17:00	8.12	247.6	8.1	8.7	30.03	0
3/10/2017 17:15	6.869	253.8	11.75	8.63	30.03	0
3/10/2017 17:30	8.27	259.3	9.26	8.41	30.03	0
3/10/2017 17:45	7.552	252.1	6.633	8.26	30.03	0
3/10/2017 18:00	6.874	247.5	5.91	8.11	30.05	0
3/10/2017 18:15	5.053	247.5	6.034	7.963	30.05	0
3/10/2017 18:30	5.092	243.6	6.206	7.88	30.05	0
3/10/2017 18:45	4.991	224	11.65	7.788	30.05	0
3/10/2017 19:00	1.043	243.8	23.88	7.618	30.05	0
3/10/2017 19:15	1.163	229.7	64.26	7.275	30.05	0
3/10/2017 19:30	2.404	145.9	10.82	7.319	30.05	0
3/10/2017 19:45	1.328	142.8	1.818	7.364	30.05	0
3/10/2017 20:00	0.134	142	0.044	7.469	30.04	0
3/10/2017 20:15	0.92	142.4	0.399	7.424	30.04	0
3/10/2017 20:30	1.479	233.5	54.77	7.475	30.04	0
3/10/2017 20:45	1.112	311.2	8.56	7.485	30.04	0
3/10/2017 21:00	1.152	326.2	4.649	7.044	30.02	0
3/10/2017 21:15	1.306	328.6	0.078	7.191	30.02	0
3/10/2017 21:30	1.693	313	18.97	7.092	30.02	0
3/10/2017 21:45	2.545	288.1	0.632	7.171	30.02	0
3/10/2017 22:00	1.404	326.2	19.07	6.883	30.02	0
3/10/2017 22:15	1.952	2.723	15.66	6.71	30.02	0
3/10/2017 22:30	2.763	26.51	5.518	6.422	30.02	0
3/10/2017 22:45	3.107	32.84	0.829	6.223	30.02	0
3/10/2017 23:00	3.122	56.21	39.59	6.296	30	0
3/10/2017 23:15	0.708	107.3	24.19	6.22	30	0
3/10/2017 23:30	1.238	114.3	8.66	6.585	30	0
3/10/2017 23:45	1.665	100.1	19	6.921	30	0
3/11/2017 0:00	1.588	62.16	8.58	6.503	29.98	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/11/2017 0:15	3.214	21.94	6.024	6.298	29.98	0
3/11/2017 0:30	3.668	36.79	4.627	6.057	29.98	0
3/11/2017 0:45	3.766	32.84	3.569	5.765	29.98	0
3/11/2017 1:00	3.968	38.4	5.524	5.632	29.94	0
3/11/2017 1:15	5.06	43.21	5.314	5.422	29.94	0
3/11/2017 1:30	4.465	34.28	12.07	5.487	29.94	0
3/11/2017 1:45	4.542	25.39	8.33	5.44	29.94	0
3/11/2017 2:00	3.394	18.43	22.42	5.081	29.89	0
3/11/2017 2:15	2.792	17.44	11.8	5.004	29.89	0
3/11/2017 2:30	3.703	48.13	9.19	5.122	29.89	0
3/11/2017 2:45	2.91	39.85	7.163	5.102	29.89	0
3/11/2017 3:00	0.725	33.13	0.068	6.088	29.83	0
3/11/2017 3:15	2.172	12.05	12.84	5.652	29.83	0
3/11/2017 3:30	2.6	2.93	24.64	5.344	29.83	0
3/11/2017 3:45	1.594	89.4	1.939	5.445	29.83	0
3/11/2017 4:00	1.515	21.38	16.07	6.276	29.78	0
3/11/2017 4:15	5.312	281.2	15.52	5.132	29.78	0
3/11/2017 4:30	4.739	310.4	10.01	4.196	29.78	0
3/11/2017 4:45	3.284	351.8	13.79	4.421	29.78	0
3/11/2017 5:00	3.033	327.4	16.55	4.758	29.75	0
3/11/2017 5:15	3.151	305.4	26.1	5.005	29.75	0
3/11/2017 5:30	2.687	151	93.4	4.987	29.75	0
3/11/2017 5:45	3.698	69.12	2.626	4.068	29.75	0
3/11/2017 6:00	4.141	117.9	41.49	5.708	29.68	0
3/11/2017 6:15	4.016	146.5	32.89	6.475	29.68	0
3/11/2017 6:30	3.209	6.414	21.97	4.882	29.68	0
3/11/2017 6:45	3.892	310.3	22.34	5.087	29.68	0
3/11/2017 7:00	3.666	259.9	15.77	5.36	29.66	0
3/11/2017 7:15	3.413	287.9	12.66	5.273	29.66	0
3/11/2017 7:30	3.24	241.9	13.51	5.127	29.66	0
3/11/2017 7:45	5.057	236.4	8	5.154	29.66	0
3/11/2017 8:00	3.911	209	22.88	5.422	29.68	0
3/11/2017 8:15	3.908	204.1	16.72	4.598	29.68	0
3/11/2017 8:30	8.99	239.7	8.03	4.473	29.68	0
3/11/2017 8:45	6.882	200.5	69.33	4.422	29.68	0
3/11/2017 9:00	7.339	115.5	37.11	4.248	29.7	0
3/11/2017 9:15	8.04	127.7	8.17	4.724	29.7	0.01
3/11/2017 9:30	7.992	148.1	12.74	5.036	29.7	0.01
3/11/2017 9:45	8.02	126.1	7.359	5.384	29.7	0.03
3/11/2017 10:00	5.749	139.2	9.49	5.603	29.68	0.03
3/11/2017 10:15	4.899	140.1	10.17	5.888	29.68	0.02
3/11/2017 10:30	7.667	142.7	11.55	6.177	29.68	0.01
3/11/2017 10:45	7.202	139.1	12.58	6.673	29.68	0.02
3/11/2017 11:00	6.205	133.6	16.19	6.494	29.66	0.02
3/11/2017 11:15	7.282	141.3	56.92	6.759	29.66	0.02
3/11/2017 11:30	6.577	123.4	15.37	6.66	29.66	0.01
3/11/2017 11:45	8.09	135.8	10.64	7.067	29.66	0.03
3/11/2017 12:00	7.703	111.6	10.42	7.115	29.62	0.01
3/11/2017 12:15	7.557	123.6	10.53	7.675	29.62	0.02
3/11/2017 12:30	9.72	144.6	10.53	7.885	29.62	0.02
3/11/2017 12:45	9.22	132.5	9.64	8.1	29.62	0
3/11/2017 13:00	11.19	131.7	9.45	8.46	29.62	0.01
3/11/2017 13:15	10.17	132.3	8.33	8.66	29.62	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/11/2017 13:30	9.14	132.5	7.865	8.8	29.62	0.01
3/11/2017 13:45	9.91	151.1	10.12	9.39	29.62	0.01
3/11/2017 14:00	9.07	160.4	8.18	9.71	29.63	0
3/11/2017 14:15	8.03	166.1	9.15	9.74	29.63	0
3/11/2017 14:30	6.748	173.7	11.07	9.92	29.63	0
3/11/2017 14:45	5.667	164.5	15.41	10.11	29.63	0
3/11/2017 15:00	8.43	176	12.67	10.37	29.67	0
3/11/2017 15:15	11.69	194.6	9.23	10.4	29.67	0
3/11/2017 15:30	12.08	211.8	9.62	10.51	29.67	0.01
3/11/2017 15:45	16.97	214.4	9.54	10.75	29.67	0
3/11/2017 16:00	17.77	215.9	8.02	10.58	29.68	0.01
3/11/2017 16:15	17.27	213.4	8.13	10.6	29.68	0
3/11/2017 16:30	17.94	214.6	9.46	10.54	29.68	0
3/11/2017 16:45	18.9	209	8.46	10.47	29.68	0
3/11/2017 17:00	20.61	217.8	9.54	10.28	29.68	0.01
3/11/2017 17:15	17.88	211.2	8.7	9.88	29.68	0
3/11/2017 17:30	18.3	226.8	9.15	9.61	29.68	0.03
3/11/2017 17:45	15.87	232.5	9.72	9.36	29.68	0.01
3/11/2017 18:00	19.91	226.5	9.24	9.31	29.75	0
3/11/2017 18:15	17.48	215.6	7.995	9.23	29.75	0
3/11/2017 18:30	18.67	217.9	8.37	9.13	29.75	0.01
3/11/2017 18:45	18.95	222.6	7.821	8.97	29.75	0
3/11/2017 19:00	17.45	219.9	10.13	9.02	29.8	0
3/11/2017 19:15	18.4	224.4	7.722	9	29.8	0
3/11/2017 19:30	16.52	206.5	11.04	8.97	29.8	0
3/11/2017 19:45	15.71	202.7	9.21	8.97	29.8	0
3/11/2017 20:00	17.33	203.2	7.804	8.83	29.84	0
3/11/2017 20:15	17.23	209	11.57	8.63	29.84	0
3/11/2017 20:30	18.2	216.1	7.974	8.65	29.84	0
3/11/2017 20:45	18.54	212.5	8.95	8.66	29.84	0
3/11/2017 21:00	15.31	208.4	7.461	8.59	29.88	0
3/11/2017 21:15	15.31	211.1	5.774	8.6	29.88	0
3/11/2017 21:30	14.49	206.6	9.66	8.69	29.88	0
3/11/2017 21:45	13.69	198.4	10.27	8.66	29.88	0
3/11/2017 22:00	12.08	200.7	11.75	8.57	29.92	0
3/11/2017 22:15	13.74	208.4	8.79	8.34	29.92	0
3/11/2017 22:30	10.69	196.9	13.43	8.3	29.92	0
3/11/2017 22:45	10.42	192.9	8.58	8.25	29.92	0
3/11/2017 23:00	8.39	181.2	13.91	8.08	29.98	0
3/11/2017 23:15	8.3	175.3	12.5	7.921	29.98	0
3/11/2017 23:30	8.53	186.6	15.4	7.94	29.98	0
3/11/2017 23:45	9.69	196.9	11.47	7.955	29.98	0
3/12/2017 0:00	9.24	189.6	8.77	7.879	30.02	0
3/12/2017 0:15	9.53	187.9	8.16	7.788	30.02	0
3/12/2017 0:30	11.43	197	11.47	7.824	30.02	0
3/12/2017 0:45	11.15	203.2	8.61	7.764	30.02	0
3/12/2017 1:00	11.58	198.9	6.591	7.671	30.04	0
3/12/2017 1:15	12.49	201.2	5.763	7.613	30.04	0
3/12/2017 1:30	11.97	193.4	9.04	7.58	30.04	0
3/12/2017 1:45	11.38	191.5	9.66	7.561	30.04	0
3/12/2017 2:00	11.41	200.7	9.45	7.591	30.05	0
3/12/2017 2:15	11.36	202.4	6.986	7.543	30.05	0
3/12/2017 2:30	11.35	212.8	8.64	7.581	30.05	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/2017 2:45	10.46	207	9.19	7.67	30.05	0
3/12/2017 3:00	5.888	184.6	21.26	7.646	30.04	0
3/12/2017 3:15	4.427	108.5	12.67	7.287	30.04	0
3/12/2017 3:30	5.165	124.8	10.44	7.252	30.04	0
3/12/2017 3:45	6.087	147.8	26.99	7.503	30.04	0
3/12/2017 4:00	5.083	133.3	13.12	7.435	30.04	0
3/12/2017 4:15	2.976	147	26.61	7.477	30.04	0
3/12/2017 4:30	2.647	164.6	30.85	7.449	30.04	0
3/12/2017 4:45	3.319	138.8	22.11	7.503	30.04	0
3/12/2017 5:00	3.769	154.6	22.59	7.561	30.04	0
3/12/2017 5:15	4.551	143.9	6.825	7.684	30.04	0
3/12/2017 5:30	4.219	141.6	6.869	7.703	30.04	0
3/12/2017 5:45	3.65	163.1	17.78	7.72	30.04	0
3/12/2017 6:00	3.605	169	13.88	7.673	30.04	0
3/12/2017 6:15	4.987	170.7	15.86	7.556	30.04	0
3/12/2017 6:30	7.405	162.2	5.437	7.484	30.04	0
3/12/2017 6:45	7.777	174.7	8.9	7.458	30.04	0
3/12/2017 7:00	7.796	174	13.7	7.517	30.05	0
3/12/2017 7:15	6.928	183.2	8.78	7.633	30.05	0
3/12/2017 7:30	6.858	169	9.63	7.673	30.05	0
3/12/2017 7:45	7.289	163.5	8.97	7.677	30.05	0
3/12/2017 8:00	7.983	172.3	12.3	7.942	30.08	0
3/12/2017 8:15	6.601	151.9	9.95	7.941	30.08	0
3/12/2017 8:30	5.951	150.8	8.82	8.17	30.08	0
3/12/2017 8:45	6.02	159.7	9.62	8.45	30.08	0
3/12/2017 9:00	5.978	175.6	12.28	8.56	30.09	0
3/12/2017 9:15	5.195	146.8	13.66	8.55	30.09	0
3/12/2017 9:30	4.451	148	11.02	8.62	30.09	0
3/12/2017 9:45	4.702	141.5	10.63	8.72	30.09	0
3/12/2017 10:00	3.105	147.4	11.87	8.94	30.12	0
3/12/2017 10:15	3.976	152.2	6.347	9.18	30.12	0
3/12/2017 10:30	4.983	188.8	16.4	9.36	30.12	0
3/12/2017 10:45	7.086	203.7	9.77	9.36	30.12	0
3/12/2017 11:00	7.427	200.3	10.96	9.27	30.12	0
3/12/2017 11:15	7.967	184.7	11.31	9.27	30.12	0
3/12/2017 11:30	7.01	185.1	8.99	9.4	30.12	0
3/12/2017 11:45	5.66	156.4	12.95	9.58	30.12	0
3/12/2017 12:00	5.889	160.7	11.86	9.49	30.12	0
3/12/2017 12:15	6.258	161.8	10.21	9.47	30.12	0.01
3/12/2017 12:30	5.054	141.9	10.76	9.62	30.12	0
3/12/2017 12:45	5.116	130	12.27	9.67	30.12	0
3/12/2017 13:00	4.296	140.3	12.53	9.62	30.11	0
3/12/2017 13:15	3.384	143.2	10.02	9.72	30.11	0
3/12/2017 13:30	2.851	126.7	23.26	9.92	30.11	0
3/12/2017 13:45	2.008	99.7	6.184	9.84	30.11	0
3/12/2017 14:00	1.957	62.62	16.11	9.89	30.09	0
3/12/2017 14:15	0.925	65.97	22.85	9.93	30.09	0
3/12/2017 14:30	0.394	17.43	28.35	10.11	30.09	0
3/12/2017 14:45	0.416	85.5	17.02	10.26	30.09	0
3/12/2017 15:00	0.789	31.58	28.27	10.34	30.08	0
3/12/2017 15:15	1.106	77.06	4.577	10.4	30.08	0
3/12/2017 15:30	2.656	80.5	12.78	10.3	30.08	0
3/12/2017 15:45	2.733	96.2	6.198	10.27	30.08	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/2017 16:00	4.292	92.4	10.87	10.2	30.04	0
3/12/2017 16:15	3.408	79.98	8.21	10.19	30.04	0
3/12/2017 16:30	1.941	53.72	29.39	10.19	30.04	0
3/12/2017 16:45	2.429	350.2	7.549	10.18	30.04	0
3/12/2017 17:00	3.691	303.8	14.36	10.17	30.03	0
3/12/2017 17:15	3.883	306.8	12.09	10.09	30.03	0
3/12/2017 17:30	2.354	31.14	15.63	9.66	30.03	0
3/12/2017 17:45	2.515	41.74	8.17	9.59	30.03	0
3/12/2017 18:00	4.186	31.51	8.76	9.44	29.99	0
3/12/2017 18:15	4.469	46.89	4.742	9.27	29.99	0
3/12/2017 18:30	3.408	31.4	6.182	9.17	29.99	0
3/12/2017 18:45	2.305	46.17	1.876	8.94	29.99	0
3/12/2017 19:00	3.059	68.35	11.99	8.77	29.97	0
3/12/2017 19:15	2.514	69.15	1.969	8.6	29.97	0
3/12/2017 19:30	0.258	65.68	23.72	8.98	29.97	0
3/12/2017 19:45	1.123	155.5	34.05	9.39	29.97	0
3/12/2017 20:00	1.647	70.75	13.06	8.8	29.96	0
3/12/2017 20:15	0.67	61.09	0.087	8.47	29.96	0
3/12/2017 20:30	2.427	83.4	10.09	8.85	29.96	0
3/12/2017 20:45	2.347	105.3	17.14	8.62	29.96	0
3/12/2017 21:00	3.603	128.4	9.52	9.39	29.95	0
3/12/2017 21:15	2.992	129.3	20.86	9.09	29.95	0
3/12/2017 21:30	3.883	152.9	16.18	9.67	29.95	0
3/12/2017 21:45	2.204	87.6	8.11	8.86	29.95	0
3/12/2017 22:00	2.769	159.9	23.33	9.1	29.94	0
3/12/2017 22:15	4.209	146	11.68	9.1	29.94	0
3/12/2017 22:30	4.74	137.9	13.03	9.48	29.94	0
3/12/2017 22:45	4.545	168.3	16.13	10.19	29.94	0
3/12/2017 23:00	6.445	198.6	12.99	9.41	29.92	0
3/12/2017 23:15	5.549	188.8	16.99	9.31	29.92	0
3/12/2017 23:30	4.837	186.3	11.95	9.48	29.92	0
3/12/2017 23:45	4.942	181.4	10.89	9.13	29.92	0
3/13/2017 0:00	4.696	156.5	18.17	9.66	29.91	0
3/13/2017 0:15	5.022	144.3	30.84	9.71	29.91	0
3/13/2017 0:30	3.852	141.2	11.73	9.81	29.91	0
3/13/2017 0:45	4.712	149.5	12.05	10.17	29.91	0
3/13/2017 1:00	4.453	148	11.22	10.04	29.9	0
3/13/2017 1:15	4.165	168.3	15.7	10.02	29.9	0
3/13/2017 1:30	3.835	151.8	12.42	10.33	29.9	0
3/13/2017 1:45	3.505	168.3	33.29	9.96	29.9	0
3/13/2017 2:00	2.257	116.6	21.29	9.54	29.9	0
3/13/2017 2:15	3.857	93.1	59.9	9.36	29.9	0
3/13/2017 2:30	3.134	137.6	50.2	9.09	29.9	0
3/13/2017 2:45	9.54	170.5	27.28	8.92	29.9	0.01
3/13/2017 3:00	6.855	142.3	10.52	9.28	29.86	0
3/13/2017 3:15	6.601	147.1	7.995	9.21	29.86	0
3/13/2017 3:30	8.85	137.9	8.73	9.3	29.86	0
3/13/2017 3:45	7.549	127	8.35	9.69	29.86	0
3/13/2017 4:00	6.762	141.6	15.94	9.72	29.86	0
3/13/2017 4:15	7.787	156.3	30.15	9.54	29.86	0
3/13/2017 4:30	4.638	110.2	10.88	9.55	29.86	0
3/13/2017 4:45	4.723	153.6	13.15	9.88	29.86	0
3/13/2017 5:00	7.919	168.4	23.26	9.07	29.82	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/13/2017 5:15	7.801	159.1	26.84	9.11	29.82	0.01
3/13/2017 5:30	6.114	142.2	10	9.08	29.82	0.01
3/13/2017 5:45	5.644	127.7	9.06	9.02	29.82	0.01
3/13/2017 6:00	5.161	176.6	22.3	8.89	29.83	0.02
3/13/2017 6:15	6.003	158.4	15.97	8.45	29.83	0.03
3/13/2017 6:30	5.054	126.7	8.39	8.39	29.83	0.01
3/13/2017 6:45	6.161	160.6	22.69	8.62	29.83	0.01
3/13/2017 7:00	5.838	142.2	9.76	8.67	29.81	0.01
3/13/2017 7:15	4.59	129.6	20.49	8.79	29.81	0.01
3/13/2017 7:30	5.697	150.3	10.01	9.16	29.81	0.03
3/13/2017 7:45	4.595	156	8.13	9.05	29.81	0.03
3/13/2017 8:00	3.696	173.1	9.24	8.95	29.83	0.02
3/13/2017 8:15	4.224	170.8	13.7	8.92	29.83	0.01
3/13/2017 8:30	3.41	199.9	17.55	8.51	29.83	0.02
3/13/2017 8:45	3.026	170.1	27.63	8.77	29.83	0.02
3/13/2017 9:00	1.568	155.6	13.97	8.97	29.86	0.01
3/13/2017 9:15	1.679	137.9	21.21	9.08	29.86	0.01
3/13/2017 9:30	1.176	123.4	21.34	8.99	29.86	0.01
3/13/2017 9:45	1.021	80.8	7.477	8.93	29.86	0.01
3/13/2017 10:00	4.658	131.9	8.18	9.1	29.85	0.02
3/13/2017 10:15	2.004	117.5	21.71	9.33	29.85	0.01
3/13/2017 10:30	0.091	42.74	0.017	9.36	29.85	0.03
3/13/2017 10:45	1.22	137.6	16.87	9.37	29.85	0.02
3/13/2017 11:00	4.883	151.7	6.045	9.43	29.86	0.02
3/13/2017 11:15	4.555	148.5	10.5	9.51	29.86	0.02
3/13/2017 11:30	4.199	147.8	13.64	9.67	29.86	0.03
3/13/2017 11:45	3.794	137.2	17.25	9.78	29.86	0.02
3/13/2017 12:00	2.803	123.7	21.19	9.84	29.84	0.02
3/13/2017 12:15	3.745	99.7	9.43	9.77	29.84	0.02
3/13/2017 12:30	3.409	119.7	6.442	9.99	29.84	0.02
3/13/2017 12:45	2.056	140.1	17.03	10.16	29.84	0.02
3/13/2017 13:00	1.135	141.6	13.72	10.27	29.84	0.02
3/13/2017 13:15	0.34	199.6	18.7	10.33	29.84	0.02
3/13/2017 13:30	0.56	67.74	0.118	10.47	29.84	0.03
3/13/2017 13:45	1.459	340.3	24.2	10.51	29.84	0.03
3/13/2017 14:00	2.23	316.5	13.61	10.58	29.84	0.03
3/13/2017 14:15	1.091	355.2	3.286	10.55	29.84	0.03
3/13/2017 14:30	0.707	78.25	1.154	10.46	29.84	0.01
3/13/2017 14:45	0.509	69.97	12.4	10.5	29.84	0.02
3/13/2017 15:00	0.398	52.66	5.048	10.56	29.84	0.01
3/13/2017 15:15	4.201	102.6	16.12	10.48	29.84	0.02
3/13/2017 15:30	6.293	126.8	7.201	10.56	29.84	0.01
3/13/2017 15:45	7.523	131.2	7.981	10.58	29.84	0
3/13/2017 16:00	7.495	150	7.774	10.72	29.8	0.01
3/13/2017 16:15	7.835	156.1	7.158	10.73	29.8	0
3/13/2017 16:30	8.04	157.9	7.048	10.63	29.8	0.01
3/13/2017 16:45	9.4	153.8	8.68	10.71	29.8	0
3/13/2017 17:00	8.1	149.2	11.78	10.78	29.77	0
3/13/2017 17:15	5.68	201.4	41.52	10.79	29.77	0
3/13/2017 17:30	4.837	231.1	6.731	10.53	29.77	0
3/13/2017 17:45	2.565	218.2	11.81	10.51	29.77	0
3/13/2017 18:00	2.415	245.9	20.01	10.39	29.78	0
3/13/2017 18:15	2.093	311.8	10.8	10.25	29.78	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/13/2017 18:30	2.655	343.7	16.44	10.18	29.78	0
3/13/2017 18:45	3.551	23.36	9.08	10.08	29.78	0
3/13/2017 19:00	0.909	20.59	0.127	10.03	29.77	0
3/13/2017 19:15	0.081	18.48	2.349	9.97	29.77	0
3/13/2017 19:30	0.993	3.012	0.21	9.99	29.77	0
3/13/2017 19:45	0.794	355	4.777	9.96	29.77	0
3/13/2017 20:00	1.115	262	44.67	10.12	29.77	0
3/13/2017 20:15	2.492	118.4	26.75	9.85	29.77	0
3/13/2017 20:30	2.425	80.8	1.507	9.8	29.77	0
3/13/2017 20:45	1.633	80.6	0.262	9.8	29.77	0
3/13/2017 21:00	1.728	132.7	42.05	9.76	29.78	0
3/13/2017 21:15	2.548	155.4	16.99	9.66	29.78	0
3/13/2017 21:30	1.371	105	14.47	9.51	29.78	0
3/13/2017 21:45	1.282	59.11	5.345	9.35	29.78	0
3/13/2017 22:00	0.107	57.33	0.009	9.48	29.78	0
3/13/2017 22:15	0.914	63.25	8.23	9.34	29.78	0
3/13/2017 22:30	2.749	102.4	6.054	8.98	29.78	0
3/13/2017 22:45	3.431	126.9	14.84	8.92	29.78	0
3/13/2017 23:00	4.353	141.4	7.398	8.92	29.74	0
3/13/2017 23:15	4.982	129.9	4.409	9.04	29.74	0
3/13/2017 23:30	4.236	115	15.02	9.05	29.74	0
3/13/2017 23:45	4.248	86.3	7.069	8.71	29.74	0
3/14/2017 0:00	2.487	71.72	9	8.88	29.68	0
3/14/2017 0:15	1.712	75.49	4.355	8.79	29.68	0
3/14/2017 0:30	3.02	57.25	7.833	8.78	29.68	0
3/14/2017 0:45	2.113	62.76	12.55	8.63	29.68	0
3/14/2017 1:00	3.952	177.1	10.3	8.56	29.65	0
3/14/2017 1:15	5.038	152.9	12.08	8.86	29.65	0.01
3/14/2017 1:30	4.252	135.3	8.82	8.93	29.65	0.01
3/14/2017 1:45	2.928	96.2	20.13	8.8	29.65	0.02
3/14/2017 2:00	3.529	103.4	22.32	8.65	29.61	0.01
3/14/2017 2:15	4.195	113.7	17.17	9.22	29.61	0.01
3/14/2017 2:30	3.764	74.28	4.683	8.83	29.61	0
3/14/2017 2:45	4.356	93.8	22.98	9.26	29.61	0.02
3/14/2017 3:00	5.475	100.7	11.17	9.14	29.52	0.01
3/14/2017 3:15	5.639	81.5	15.84	9.4	29.52	0.01
3/14/2017 3:30	4.058	58.95	22.45	9.58	29.52	0
3/14/2017 3:45	2.206	110.3	42.4	9.52	29.52	0
3/14/2017 4:00	4.889	165.7	23.14	10.03	29.5	0.01
3/14/2017 4:15	6.065	169.5	18.9	10.29	29.5	0.01
3/14/2017 4:30	6.861	131.3	7.601	9.96	29.5	0
3/14/2017 4:45	11.09	135.4	7.593	10.71	29.5	0
3/14/2017 5:00	7.574	167.2	21.48	11	29.5	0.01
3/14/2017 5:15	9.43	151.1	6.261	11.4	29.5	0
3/14/2017 5:30	11.31	156.8	7.457	12	29.5	0
3/14/2017 5:45	13.06	148.3	8.32	12.47	29.5	0
3/14/2017 6:00	13.36	154.2	7.254	13.13	29.49	0
3/14/2017 6:15	11.61	150.7	7.528	13.26	29.49	0
3/14/2017 6:30	12.25	152.5	7.819	13.41	29.49	0
3/14/2017 6:45	11.91	166.7	8.8	13.56	29.49	0
3/14/2017 7:00	8.72	179.1	7.609	13.5	29.5	0.01
3/14/2017 7:15	4.463	166.3	16.91	13.39	29.5	0
3/14/2017 7:30	4.956	163.5	13.86	12.89	29.5	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/2017 7:45	8.07	202.2	11.06	12.68	29.5	0.01
3/14/2017 8:00	10.05	202.6	8.03	12.41	29.51	0.04
3/14/2017 8:15	8.57	199.5	10.5	12.21	29.51	0.02
3/14/2017 8:30	8.28	189.7	7.488	12.22	29.51	0.03
3/14/2017 8:45	8.09	184.9	7.858	12.21	29.51	0.01
3/14/2017 9:00	10.33	178.4	8.41	12.33	29.54	0.01
3/14/2017 9:15	9.98	160.4	7.614	12.5	29.54	0
3/14/2017 9:30	10.66	158.2	7.843	12.59	29.54	0
3/14/2017 9:45	8.57	144.1	7.911	12.59	29.54	0
3/14/2017 10:00	8.86	144.6	9.2	12.7	29.55	0
3/14/2017 10:15	8.17	147.5	8.27	12.93	29.55	0
3/14/2017 10:30	7.981	156.3	8.66	13.22	29.55	0
3/14/2017 10:45	8.48	164.5	7.695	13.43	29.55	0
3/14/2017 11:00	9	164.2	12.03	13.71	29.59	0
3/14/2017 11:15	11	190.1	9.86	14.15	29.59	0
3/14/2017 11:30	10.36	194.3	8.6	14.47	29.59	0
3/14/2017 11:45	9.86	195.8	8.39	14.64	29.59	0
3/14/2017 12:00	9.25	194.6	6.977	14.71	29.61	0
3/14/2017 12:15	9.09	202.7	9.2	14.81	29.61	0
3/14/2017 12:30	8.81	210.2	8.69	14.88	29.61	0
3/14/2017 12:45	7.362	226.5	7.822	14.88	29.61	0
3/14/2017 13:00	7.509	224.5	7.99	14.88	29.61	0
3/14/2017 13:15	6.913	225	7.059	14.9	29.61	0
3/14/2017 13:30	4.211	274.2	20.82	14.52	29.61	0
3/14/2017 13:45	2.293	273.4	20.19	14.66	29.61	0
3/14/2017 14:00	4.354	250.6	17.41	14.9	29.62	0
3/14/2017 14:15	10.36	227.2	7.367	15.15	29.62	0
3/14/2017 14:30	11.34	227.4	8.66	15.18	29.62	0
3/14/2017 14:45	6.23	267.2	19.3	14.63	29.62	0
3/14/2017 15:00	9.97	285.3	7.259	13.28	29.63	0
3/14/2017 15:15	11.16	271.1	11.54	12.58	29.63	0
3/14/2017 15:30	11.45	262.8	8.02	12.31	29.63	0
3/14/2017 15:45	12.07	261.9	8.13	12.22	29.63	0
3/14/2017 16:00	10.27	257	9.38	12.16	29.66	0.01
3/14/2017 16:15	10.66	242.4	9.47	12.16	29.66	0.01
3/14/2017 16:30	12.01	237.3	7.928	12.06	29.66	0.02
3/14/2017 16:45	11.38	227.9	8.12	11.95	29.66	0.01
3/14/2017 17:00	9.84	213.4	10.13	12.01	29.67	0
3/14/2017 17:15	9.25	206.6	7.289	12.02	29.67	0
3/14/2017 17:30	9.88	201.7	9.03	12.05	29.67	0
3/14/2017 17:45	11.19	209.4	9.46	12.08	29.67	0
3/14/2017 18:00	11.19	209.8	7.175	12.07	29.68	0
3/14/2017 18:15	11.28	204.9	8.99	11.98	29.68	0
3/14/2017 18:30	11.37	216	10.97	11.83	29.68	0
3/14/2017 18:45	13.64	225.2	7.582	11.63	29.68	0
3/14/2017 19:00	13.14	220.7	7.32	11.42	29.69	0
3/14/2017 19:15	11.62	217.8	5.925	11.35	29.69	0
3/14/2017 19:30	10.13	217.9	6.881	11.28	29.69	0
3/14/2017 19:45	8.26	225.4	8.04	11.14	29.69	0
3/14/2017 20:00	8.25	219.9	7.105	11.04	29.69	0
3/14/2017 20:15	7.65	226.3	9.67	10.8	29.69	0.02
3/14/2017 20:30	5.171	205.3	10.07	10.48	29.69	0.01
3/14/2017 20:45	4.462	190.8	9.92	10.31	29.69	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/2017 21:00	4.944	189.7	12.14	10.3	29.68	0.01
3/14/2017 21:15	4.938	174.3	11.61	10.26	29.68	0.02
3/14/2017 21:30	6.793	179	8.08	10.23	29.68	0.03
3/14/2017 21:45	5.481	173	9.03	10.19	29.68	0.01
3/14/2017 22:00	5.562	177.3	9.59	10.21	29.68	0.02
3/14/2017 22:15	4.267	179	10.84	10.21	29.68	0.01
3/14/2017 22:30	3.365	194.1	11.65	10.2	29.68	0
3/14/2017 22:45	4.073	206.6	11.65	10.2	29.68	0.01
3/14/2017 23:00	4.368	200.4	11.13	10.18	29.67	0.01
3/14/2017 23:15	3.246	186.8	8.32	10.16	29.67	0.01
3/14/2017 23:30	3.619	195.1	12.63	10.18	29.67	0.01
3/14/2017 23:45	3.545	192.8	13.58	10.18	29.67	0
3/15/2017 0:00	4.2	191.8	10.31	10.14	29.66	0.01
3/15/2017 0:15	4.737	189.9	11.47	10.12	29.66	0
3/15/2017 0:30	4.404	217.8	7.716	10.13	29.66	0.02
3/15/2017 0:45	2.572	187.7	12.24	10.09	29.66	0.02
3/15/2017 1:00	2.921	211	16.01	10.1	29.66	0.02
3/15/2017 1:15	2.533	238.2	9.46	10.11	29.66	0.02
3/15/2017 1:30	6.419	267.5	18.49	9.9	29.66	0.03
3/15/2017 1:45	8.64	286.1	6.355	9.53	29.66	0.03
3/15/2017 2:00	5.854	296.1	10.68	9.38	29.65	0.03
3/15/2017 2:15	3.828	318	6.194	9.32	29.65	0.02
3/15/2017 2:30	2.99	319.1	2.783	9.31	29.65	0.02
3/15/2017 2:45	3.437	316.9	3.577	9.28	29.65	0.02
3/15/2017 3:00	3.521	317.8	2.314	9.21	29.63	0.04
3/15/2017 3:15	3.234	313.9	6.456	9.12	29.63	0.02
3/15/2017 3:30	1.088	295.9	2.803	9.07	29.63	0.02
3/15/2017 3:45	0.184	297.2	0.036	9.02	29.63	0.03
3/15/2017 4:00	0.489	338.8	34.29	9	29.61	0.02
3/15/2017 4:15	0.506	30.53	4.705	8.94	29.61	0.02
3/15/2017 4:30	1.834	62.34	17.88	8.93	29.61	0.02
3/15/2017 4:45	1.062	83.7	0.104	8.91	29.61	0.01
3/15/2017 5:00	0.292	349.9	27.24	8.92	29.6	0.01
3/15/2017 5:15	2.744	288.1	7.797	8.98	29.6	0.02
3/15/2017 5:30	3.284	307.9	21.77	8.92	29.6	0.02
3/15/2017 5:45	2.4	348.1	1.584	8.84	29.6	0.01
3/15/2017 6:00	1.078	356.6	15.08	8.8	29.6	0.02
3/15/2017 6:15	0.608	24.25	0.095	8.78	29.6	0.03
3/15/2017 6:30	1.599	24.25	0.112	8.76	29.6	0.02
3/15/2017 6:45	2.064	33.46	8.58	8.65	29.6	0.03
3/15/2017 7:00	3.205	50.7	5.633	8.39	29.58	0.03
3/15/2017 7:15	3.506	59.72	3.353	8.35	29.58	0.02
3/15/2017 7:30	2.851	60.99	3.616	8.22	29.58	0.02
3/15/2017 7:45	2.798	78.01	7.888	8.21	29.58	0.02
3/15/2017 8:00	2.753	90.9	4.76	8.17	29.57	0.02
3/15/2017 8:15	1.465	94.7	0.147	8.16	29.57	0.02
3/15/2017 8:30	0.845	94.7	0.132	7.97	29.57	0.02
3/15/2017 8:45	0.465	38.07	26.33	8.15	29.57	0.02
3/15/2017 9:00	1.914	351.4	5.527	8.13	29.57	0.04
3/15/2017 9:15	2.34	349.2	9.21	8.11	29.57	0.01
3/15/2017 9:30	4.054	357.9	11.82	8.16	29.57	0.02
3/15/2017 9:45	5.329	17.23	10.31	8	29.57	0.01
3/15/2017 10:00	5.282	23.92	6.798	7.938	29.55	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/15/2017 10:15	5.43	36.78	8.8	7.969	29.55	0.02
3/15/2017 10:30	5.575	38.8	7.484	7.816	29.55	0.03
3/15/2017 10:45	5.605	37.06	8.19	7.854	29.55	0.03
3/15/2017 11:00	3.905	32.19	8.07	8.36	29.53	0.01
3/15/2017 11:15	1.22	25.9	11.43	8.73	29.53	0.01
3/15/2017 11:30	2.948	3.911	21.76	8.84	29.53	0
3/15/2017 11:45	3.236	297	16.22	8.89	29.53	0.01
3/15/2017 12:00	4.627	276.3	8.87	8.93	29.52	0.01
3/15/2017 12:15	4.767	268.4	8.38	8.75	29.52	0.01
3/15/2017 12:30	2.945	294.2	15.34	8.79	29.52	0.02
3/15/2017 12:45	2.264	295.2	21.65	9	29.52	0
3/15/2017 13:00	1.644	213.9	78.07	9.06	29.49	0.01
3/15/2017 13:15	1.604	67	16.68	8.99	29.49	0
3/15/2017 13:30	0.56	255.6	64.53	9.19	29.49	0.01
3/15/2017 13:45	3.713	224.5	14.14	9.16	29.49	0
3/15/2017 14:00	4.97	229.1	10.44	8.95	29.48	0
3/15/2017 14:15	3.858	211.1	14.98	8.97	29.48	0.01
3/15/2017 14:30	2.829	162.8	19.16	9.23	29.48	0
3/15/2017 14:45	3.589	198.7	30.41	9.25	29.48	0
3/15/2017 15:00	4.699	223.9	10.53	9.13	29.48	0
3/15/2017 15:15	4.936	201.7	5.646	9.12	29.48	0.01
3/15/2017 15:30	4.683	203.1	8.6	9.17	29.48	0
3/15/2017 15:45	5.501	166.5	19.63	9.27	29.48	0
3/15/2017 16:00	6.559	162.1	9.97	9.48	29.48	0
3/15/2017 16:15	7.022	177.9	18.33	9.6	29.48	0
3/15/2017 16:30	7.259	198.1	7.213	9.41	29.48	0
3/15/2017 16:45	6.111	180.8	14.74	9.44	29.48	0
3/15/2017 17:00	9.42	175.7	18.57	9.46	29.49	0
3/15/2017 17:15	9.27	179.9	13.9	9.49	29.49	0
3/15/2017 17:30	9.43	174.5	12.16	9.31	29.49	0.01
3/15/2017 17:45	9.61	187.4	10.34	9.27	29.49	0
3/15/2017 18:00	9.21	189.3	9.75	9.38	29.53	0
3/15/2017 18:15	9.24	187.6	8.3	9.4	29.53	0
3/15/2017 18:30	10.34	195.6	12.22	9.48	29.53	0.01
3/15/2017 18:45	13.65	199.7	9.9	9.63	29.53	0
3/15/2017 19:00	13.91	220.5	9.33	9.76	29.57	0
3/15/2017 19:15	16.48	228.5	9.6	9.73	29.57	0
3/15/2017 19:30	15.64	231.7	9.31	9.6	29.57	0
3/15/2017 19:45	20.49	236.9	11.5	9.4	29.57	0
3/15/2017 20:00	17.34	242.4	9.94	9.07	29.62	0
3/15/2017 20:15	12.86	220.6	16	8.75	29.62	0
3/15/2017 20:30	14.25	206.3	6.694	8.31	29.62	0
3/15/2017 20:45	11.14	199.5	7.426	7.968	29.62	0
3/15/2017 21:00	11.39	192.2	8.15	7.742	29.66	0
3/15/2017 21:15	10.44	197.4	10.85	7.693	29.66	0
3/15/2017 21:30	9.99	196	13.23	7.631	29.66	0
3/15/2017 21:45	9.95	183.4	22.54	7.468	29.66	0
3/15/2017 22:00	10.58	202.1	10.96	7.439	29.72	0
3/15/2017 22:15	11.8	213.4	8.59	7.294	29.72	0
3/15/2017 22:30	12.87	201.1	8.49	7.036	29.72	0
3/15/2017 22:45	11.82	203.3	8.62	6.853	29.72	0
3/15/2017 23:00	12.24	205.3	9.83	6.731	29.75	0
3/15/2017 23:15	16.16	206.4	7.297	6.448	29.75	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/15/2017 23:30	18.45	207.9	7.154	6.203	29.75	0
3/15/2017 23:45	19.84	209	6.879	6.078	29.75	0
3/16/2017 0:00	20.4	212.7	8.59	5.884	29.77	0
3/16/2017 0:15	20.34	209	7.405	5.548	29.77	0
3/16/2017 0:30	20.27	212.4	8.9	5.247	29.77	0
3/16/2017 0:45	19.98	207.3	7.748	5.253	29.77	0
3/16/2017 1:00	19.68	210.7	8.11	5.201	29.83	0
3/16/2017 1:15	16.74	200.2	7.812	5.015	29.83	0
3/16/2017 1:30	16.56	199	7.884	4.77	29.83	0
3/16/2017 1:45	15.76	194.9	8.42	4.567	29.83	0
3/16/2017 2:00	15.6	193	9.24	4.48	29.87	0
3/16/2017 2:15	14.32	186.3	11.13	4.376	29.87	0
3/16/2017 2:30	10.44	179.8	11.53	4.21	29.87	0
3/16/2017 2:45	10.7	178.9	14.51	4.245	29.87	0
3/16/2017 3:00	9.84	167.3	12.47	4.17	29.9	0
3/16/2017 3:15	10.93	182.7	10.81	4.144	29.9	0
3/16/2017 3:30	10.78	179	10.79	4.063	29.9	0
3/16/2017 3:45	10.2	187.4	10.86	4.003	29.9	0
3/16/2017 4:00	9.41	181.8	8.82	3.864	29.93	0
3/16/2017 4:15	9.33	185.1	10.24	3.835	29.93	0
3/16/2017 4:30	6.967	169.7	13.35	3.541	29.93	0
3/16/2017 4:45	7.585	160.2	9.19	3.325	29.93	0
3/16/2017 5:00	10.08	158.9	6.427	3.378	29.95	0
3/16/2017 5:15	9.94	165.3	6.914	3.282	29.95	0
3/16/2017 5:30	10.47	164.7	5.26	3.168	29.95	0
3/16/2017 5:45	11.01	169.8	7.725	3.129	29.95	0
3/16/2017 6:00	9.86	181.6	7.408	3.181	29.99	0
3/16/2017 6:15	8.16	172.1	9.9	2.982	29.99	0
3/16/2017 6:30	8.99	162.9	6.111	2.99	29.99	0
3/16/2017 6:45	11.22	170.4	6.477	3.188	29.99	0
3/16/2017 7:00	10.94	186.3	7.972	3.471	30.01	0
3/16/2017 7:15	8.91	186.3	9.37	3.4	30.01	0
3/16/2017 7:30	7.38	158.6	6.176	3.108	30.01	0
3/16/2017 7:45	6.314	151.4	8.24	3.857	30.01	0
3/16/2017 8:00	4.707	123.2	10.73	4.514	30.04	0
3/16/2017 8:15	5.639	123.2	7.849	4.443	30.04	0
3/16/2017 8:30	6.179	139.3	16.48	4.325	30.04	0
3/16/2017 8:45	8.63	161.1	11.09	4.95	30.04	0
3/16/2017 9:00	8.65	169.7	14.79	5.911	30.07	0
3/16/2017 9:15	11.16	197.3	8.84	6.427	30.07	0
3/16/2017 9:30	12.35	200	12.09	6.426	30.07	0
3/16/2017 9:45	13.8	207.9	9.76	6.697	30.07	0
3/16/2017 10:00	12.61	197	12.46	7.378	30.08	0
3/16/2017 10:15	12.62	207.7	13.41	7.612	30.08	0
3/16/2017 10:30	13.28	212.6	14.49	7.446	30.08	0
3/16/2017 10:45	14.89	213.7	10.5	7.534	30.08	0
3/16/2017 11:00	12.3	216.9	9.16	7.568	30.08	0
3/16/2017 11:15	10.49	206.1	22.44	7.91	30.08	0
3/16/2017 11:30	11.57	207.6	14.9	8.44	30.08	0
3/16/2017 11:45	12.35	208.3	7.75	8.56	30.08	0
3/16/2017 12:00	9.76	211.3	16.09	8.72	30.07	0
3/16/2017 12:15	11.17	196.6	21.75	8.99	30.07	0
3/16/2017 12:30	8.91	198.4	14.27	8.88	30.07	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/16/2017 12:45	11.21	216.9	12.67	8.82	30.07	0
3/16/2017 13:00	9.58	237.3	16.14	8.77	30.06	0
3/16/2017 13:15	8.76	193.4	16.77	8.93	30.06	0
3/16/2017 13:30	9.97	163.5	11.21	9.65	30.06	0
3/16/2017 13:45	9.47	190.1	21.54	9.86	30.06	0
3/16/2017 14:00	6.375	234.1	42.18	9.4	30.06	0
3/16/2017 14:15	5.22	265.7	17.26	9.38	30.06	0
3/16/2017 14:30	6.476	223.5	40.72	9.97	30.06	0
3/16/2017 14:45	7.065	222.8	19.44	10.02	30.06	0
3/16/2017 15:00	8.54	224.5	27.61	10.08	30.05	0
3/16/2017 15:15	6.537	199.9	17.13	10.23	30.05	0
3/16/2017 15:30	5.785	245.3	26.19	10.37	30.05	0
3/16/2017 15:45	9.72	251.7	19.98	10.38	30.05	0
3/16/2017 16:00	8.14	206.6	12.51	10.16	30.04	0
3/16/2017 16:15	8.35	253.3	27.98	10.16	30.04	0
3/16/2017 16:30	6.414	257.7	10.1	10.05	30.04	0
3/16/2017 16:45	3.077	255.6	14.27	10.23	30.04	0
3/16/2017 17:00	3.464	226.9	22.66	10.2	30.03	0
3/16/2017 17:15	4.982	228.9	15.91	10.1	30.03	0
3/16/2017 17:30	5.224	222.3	9	9.9	30.03	0
3/16/2017 17:45	4.781	248.6	25.9	9.72	30.03	0
3/16/2017 18:00	5.278	287.6	5.608	9.13	30.01	0
3/16/2017 18:15	4.231	277.9	3.781	8.62	30.01	0
3/16/2017 18:30	5.215	276.6	5.73	8.13	30.01	0
3/16/2017 18:45	6.333	297.1	5.563	7.398	30.01	0
3/16/2017 19:00	5.937	303.1	3.938	6.927	30.01	0
3/16/2017 19:15	6.117	315.4	2.425	6.45	30.01	0
3/16/2017 19:30	5.674	321.7	9.93	6.355	30.01	0
3/16/2017 19:45	3.008	10.36	4.838	5.988	30.01	0
3/16/2017 20:00	1.383	39.91	44.85	5.943	30.02	0
3/16/2017 20:15	1.873	109	0.198	5.393	30.02	0
3/16/2017 20:30	2.221	152.1	15.25	6.276	30.02	0
3/16/2017 20:45	1.61	154.5	10.91	5.983	30.02	0
3/16/2017 21:00	2.538	108.5	5.868	4.951	30.02	0
3/16/2017 21:15	2.166	134.2	33.59	5.153	30.02	0
3/16/2017 21:30	3.482	153	9.28	5.128	30.02	0
3/16/2017 21:45	4.307	150.8	10.79	4.958	30.02	0
3/16/2017 22:00	3.609	151.3	9.97	4.723	30.01	0
3/16/2017 22:15	3.6	143.2	9.48	4.669	30.01	0
3/16/2017 22:30	2.201	108.3	9.54	4.516	30.01	0
3/16/2017 22:45	3.586	143.9	26.86	4.231	30.01	0
3/16/2017 23:00	4.354	169.4	8.05	4.423	30	0
3/16/2017 23:15	4.003	136.8	6.504	4.605	30	0
3/16/2017 23:30	1.922	116.4	4.477	3.949	30	0
3/16/2017 23:45	2.945	146.8	24.21	3.692	30	0
3/17/2017 0:00	3.318	149.3	9.84	3.853	29.97	0
3/17/2017 0:15	2.045	38.63	22.84	3.345	29.97	0
3/17/2017 0:30	1.879	37.68	0.093	4.395	29.97	0
3/17/2017 0:45	1.117	69.9	16.73	3.844	29.97	0
3/17/2017 1:00	3.058	59.63	10.71	3.262	29.94	0
3/17/2017 1:15	2.947	66.13	18.2	2.779	29.94	0
3/17/2017 1:30	3.597	68.54	14.7	2.215	29.94	0
3/17/2017 1:45	3.342	134.7	32.94	2.578	29.94	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/2017 2:00	3.675	146.3	11.66	3.56	29.9	0
3/17/2017 2:15	2.646	122.9	12.58	3.38	29.9	0
3/17/2017 2:30	1.538	73	19.34	2.911	29.9	0
3/17/2017 2:45	1.382	87.2	15.04	2.796	29.9	0
3/17/2017 3:00	1.788	43.73	2.667	3.087	29.84	0
3/17/2017 3:15	2.387	19.1	9.41	3.337	29.84	0
3/17/2017 3:30	3.717	12.95	6.174	3.035	29.84	0
3/17/2017 3:45	4.646	23.22	2.591	2.781	29.84	0
3/17/2017 4:00	4.163	29.92	6.191	2.659	29.81	0
3/17/2017 4:15	4.564	34.79	6.319	2.293	29.81	0
3/17/2017 4:30	4.29	33.99	15.65	2.203	29.81	0
3/17/2017 4:45	2.563	50.22	19.1	2.292	29.81	0
3/17/2017 5:00	2.942	48.59	5.92	2.804	29.79	0
3/17/2017 5:15	4.231	52.21	7.303	2.793	29.79	0
3/17/2017 5:30	5.069	38.02	9.28	2.222	29.79	0
3/17/2017 5:45	3.727	32.81	6.619	3.239	29.79	0
3/17/2017 6:00	2.395	47.58	11.65	3.972	29.77	0
3/17/2017 6:15	1.949	97.6	20.61	3.26	29.77	0
3/17/2017 6:30	2.5	176.8	46.69	3.609	29.77	0
3/17/2017 6:45	5.758	220.4	8.74	2.569	29.77	0
3/17/2017 7:00	6.136	228.3	13.32	2.825	29.75	0
3/17/2017 7:15	4.927	263.1	18.86	3.02	29.75	0
3/17/2017 7:30	3.171	307.8	8.86	3.372	29.75	0
3/17/2017 7:45	2.753	304.9	8.36	3.733	29.75	0
3/17/2017 8:00	1.879	5.567	11.76	3.707	29.72	0
3/17/2017 8:15	1.74	39.25	20.01	4.039	29.72	0
3/17/2017 8:30	1.109	100.2	41.16	4.514	29.72	0
3/17/2017 8:45	1.713	135.5	40.68	5.435	29.72	0
3/17/2017 9:00	1.503	55.75	7.851	5.353	29.67	0
3/17/2017 9:15	2.768	342.1	16.83	5.998	29.67	0
3/17/2017 9:30	2.396	340.3	3.115	6.251	29.67	0
3/17/2017 9:45	2.334	336	20.37	6.513	29.67	0
3/17/2017 10:00	1.135	58.02	84.5	6.473	29.66	0
3/17/2017 10:15	2.11	311.8	46.34	6.399	29.66	0
3/17/2017 10:30	3.227	277.3	8.06	6.17	29.66	0
3/17/2017 10:45	3.573	237.1	25.32	6.156	29.66	0
3/17/2017 11:00	3.667	256.9	54.25	6.502	29.66	0
3/17/2017 11:15	4.597	244.6	61.43	6.077	29.66	0
3/17/2017 11:30	3.866	288.8	39.1	6.106	29.66	0
3/17/2017 11:45	3.348	310.8	28.91	6.017	29.66	0
3/17/2017 12:00	1.867	24.28	56	6.031	29.69	0
3/17/2017 12:15	3.133	20.09	38.3	5.954	29.69	0
3/17/2017 12:30	3.528	329.1	23.67	5.688	29.69	0.01
3/17/2017 12:45	5.748	281.2	7.068	5.21	29.69	0.02
3/17/2017 13:00	3.617	306.3	14.57	5.13	29.65	0.01
3/17/2017 13:15	2.165	314.3	5.235	5.29	29.65	0.01
3/17/2017 13:30	1.869	340.8	21.44	5.437	29.65	0.01
3/17/2017 13:45	2.918	336	10.85	5.359	29.65	0.01
3/17/2017 14:00	2.553	351.5	13.09	5.558	29.6	0.01
3/17/2017 14:15	3.128	8.72	7.751	5.491	29.6	0.01
3/17/2017 14:30	2.205	5.169	5.565	5.493	29.6	0.01
3/17/2017 14:45	1.689	37.79	10.87	5.616	29.6	0.01
3/17/2017 15:00	1.213	51.81	0.139	5.821	29.57	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/2017 15:15	1.15	47.63	12.12	5.74	29.57	0.02
3/17/2017 15:30	3.175	24.68	3.929	5.638	29.57	0.01
3/17/2017 15:45	2.082	30.18	9.98	5.652	29.57	0.02
3/17/2017 16:00	3.74	79.51	18.93	5.841	29.53	0.01
3/17/2017 16:15	2.738	60.02	21.99	5.871	29.53	0.02
3/17/2017 16:30	4.222	80.5	22.28	5.889	29.53	0.02
3/17/2017 16:45	3.559	71.83	13.33	5.807	29.53	0.01
3/17/2017 17:00	2.68	64.02	12.62	5.699	29.5	0.02
3/17/2017 17:15	2.384	90.7	22.43	5.781	29.5	0.01
3/17/2017 17:30	4.401	111.9	17.82	6.272	29.5	0.02
3/17/2017 17:45	3.706	100.4	19.09	6.218	29.5	0.02
3/17/2017 18:00	3.496	96.7	19.48	6.347	29.46	0.02
3/17/2017 18:15	2.988	87.4	16.98	6.178	29.46	0.01
3/17/2017 18:30	2.618	101	22.13	6.043	29.46	0.02
3/17/2017 18:45	2.632	61.85	18.79	6.031	29.46	0.03
3/17/2017 19:00	3.672	75.14	18.24	6.228	29.4	0.01
3/17/2017 19:15	3.544	69.97	28.34	6.231	29.4	0.01
3/17/2017 19:30	3.728	137.4	40.23	7.068	29.4	0.02
3/17/2017 19:45	8.42	129.3	20.64	7.221	29.4	0.02
3/17/2017 20:00	10.13	122.2	11.4	7.098	29.36	0.01
3/17/2017 20:15	15.62	133.2	8.49	8.65	29.36	0.01
3/17/2017 20:30	16.82	135.3	8.07	9.04	29.36	0.01
3/17/2017 20:45	17.51	135.7	8.41	9.32	29.36	0.01
3/17/2017 21:00	16.51	138.3	8.05	9.88	29.34	0.01
3/17/2017 21:15	15.32	140.6	7.891	9.73	29.34	0.02
3/17/2017 21:30	13.89	143.7	9.67	9.63	29.34	0.01
3/17/2017 21:45	15.25	136.2	7.749	9.8	29.34	0.01
3/17/2017 22:00	14.9	137.3	7.39	10	29.34	0.01
3/17/2017 22:15	15.15	139.7	7.697	10.15	29.34	0
3/17/2017 22:30	16.76	138.7	7.404	10.36	29.34	0.01
3/17/2017 22:45	15.57	141.9	8.34	10.55	29.34	0.01
3/17/2017 23:00	15.97	139.3	7.913	10.72	29.34	0.02
3/17/2017 23:15	15.56	138.5	7.717	11	29.34	0.01
3/17/2017 23:30	15.28	137.7	6.931	10.94	29.34	0
3/17/2017 23:45	14.6	139.6	7.974	10.97	29.34	0
3/18/2017 0:00	15.2	138.1	7.934	11.06	29.3	0.01
3/18/2017 0:15	14.95	141.4	8.02	10.88	29.3	0
3/18/2017 0:30	16.11	137.6	7.229	11.04	29.3	0
3/18/2017 0:45	16.24	139.2	7.534	11.13	29.3	0
3/18/2017 1:00	17.83	138	7.597	11.31	29.26	0
3/18/2017 1:15	16.34	140.6	8.69	11.37	29.26	0
3/18/2017 1:30	15.65	139.9	7.616	11.63	29.26	0
3/18/2017 1:45	15.69	139.6	7.02	11.79	29.26	0
3/18/2017 2:00	14.24	139.3	8.62	11.73	29.24	0
3/18/2017 2:15	13.38	142.3	8.2	11.64	29.24	0
3/18/2017 2:30	11.98	145.6	7.53	11.5	29.24	0.01
3/18/2017 2:45	10.9	147.2	7.762	11.33	29.24	0
3/18/2017 3:00	11.71	149.2	9.47	11.7	29.24	0
3/18/2017 3:15	9.05	166.5	13.34	11.69	29.24	0
3/18/2017 3:30	5.558	177.7	10.49	11.6	29.24	0.01
3/18/2017 3:45	6.599	215.3	23.59	11.74	29.24	0.01
3/18/2017 4:00	14.48	228.6	7.784	12.05	29.26	0.02
3/18/2017 4:15	13.07	221.9	8.43	11.82	29.26	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/18/2017 4:30	10.24	198.2	10.22	11.82	29.26	0
3/18/2017 4:45	5.717	193.3	9.49	11.49	29.26	0.01
3/18/2017 5:00	4.875	199.2	10.96	11.46	29.26	0
3/18/2017 5:15	6.922	204	11.17	11.61	29.26	0.01
3/18/2017 5:30	7.601	194.7	11.26	11.48	29.26	0
3/18/2017 5:45	14.13	202.1	8.33	11.6	29.26	0
3/18/2017 6:00	16.52	207.3	15.44	11.38	29.26	0.01
3/18/2017 6:15	16.22	253	8.82	9.45	29.26	0.01
3/18/2017 6:30	15.89	252.8	9.17	8.61	29.26	0.01
3/18/2017 6:45	14.48	248.9	8.27	8.18	29.26	0.01
3/18/2017 7:00	12.23	243	11.45	7.896	29.3	0.01
3/18/2017 7:15	10.65	233.8	12.61	7.603	29.3	0.02
3/18/2017 7:30	8.49	209.4	17.37	7.229	29.3	0.02
3/18/2017 7:45	9.74	192.2	12.1	6.982	29.3	0.02
3/18/2017 8:00	11.54	185.7	8.66	6.827	29.35	0.04
3/18/2017 8:15	13.36	194.8	8.18	6.659	29.35	0.06
3/18/2017 8:30	12.21	187.2	8.72	6.493	29.35	0.07
3/18/2017 8:45	12.52	179.4	7.691	6.384	29.35	0.06
3/18/2017 9:00	14.16	179.5	8.82	6.28	29.41	0.04
3/18/2017 9:15	12.42	192.9	9.85	6.218	29.41	0.02
3/18/2017 9:30	14.49	187.6	8.58	6.125	29.41	0.03
3/18/2017 9:45	12.65	185	8.21	6.088	29.41	0.02
3/18/2017 10:00	10.3	170.3	10.29	6.137	29.46	0.02
3/18/2017 10:15	11.14	168.1	8.7	6.154	29.46	0.02
3/18/2017 10:30	12.13	175.9	9.85	6.166	29.46	0.02
3/18/2017 10:45	15.45	190.8	9.56	6.072	29.46	0.01
3/18/2017 11:00	13.63	195.8	8.37	6.007	29.51	0.01
3/18/2017 11:15	13.66	189.8	8.78	5.94	29.51	0.01
3/18/2017 11:30	13.07	177.9	10.5	6.007	29.51	0
3/18/2017 11:45	10.76	179.2	11.55	6.132	29.51	0
3/18/2017 12:00	10.75	181	12.43	6.262	29.55	0
3/18/2017 12:15	13.92	181.3	11.38	6.714	29.55	0
3/18/2017 12:30	13.99	191.9	12.43	6.726	29.55	0
3/18/2017 12:45	13.45	196.7	9.04	6.862	29.55	0
3/18/2017 13:00	9.85	209.9	13.86	7.198	29.6	0
3/18/2017 13:15	13.7	221.7	9.04	7.808	29.6	0
3/18/2017 13:30	16.08	228.2	9.28	8.07	29.6	0
3/18/2017 13:45	15.9	244.3	10.3	8.43	29.6	0
3/18/2017 14:00	16.52	242.2	11.43	7.854	29.65	0
3/18/2017 14:15	13.78	243.2	10.03	7.951	29.65	0
3/18/2017 14:30	15.11	249.8	9.04	8.24	29.65	0
3/18/2017 14:45	15.09	254.6	10.1	8.15	29.65	0
3/18/2017 15:00	15.9	245.4	12.32	8.2	29.69	0
3/18/2017 15:15	15.28	235.9	11.5	8.29	29.69	0
3/18/2017 15:30	13.32	241.7	14.36	8.56	29.69	0
3/18/2017 15:45	18.93	243.4	9.95	8.55	29.69	0
3/18/2017 16:00	13.18	245	8.34	8.63	29.74	0
3/18/2017 16:15	14.96	250.3	12.93	8.65	29.74	0
3/18/2017 16:30	13.36	243.9	9.58	8.45	29.74	0
3/18/2017 16:45	11.55	246.2	14.38	8.41	29.74	0
3/18/2017 17:00	11.52	247.6	12.69	8.18	29.77	0
3/18/2017 17:15	7.94	256.6	74.85	7.487	29.77	0
3/18/2017 17:30	7.833	10.29	57.45	5.356	29.77	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/18/2017 17:45	4.509	44.02	19.92	4.287	29.77	0
3/18/2017 18:00	8.01	35.89	9.75	4.081	29.8	0
3/18/2017 18:15	10.31	38.46	9.03	3.964	29.8	0
3/18/2017 18:30	9.73	28.2	12.05	3.958	29.8	0
3/18/2017 18:45	11.32	26.98	12.46	3.741	29.8	0
3/18/2017 19:00	12.06	33.71	12.19	3.623	29.83	0
3/18/2017 19:15	9.26	42.54	13.69	3.638	29.83	0
3/18/2017 19:30	9.43	57.08	15.23	3.645	29.83	0
3/18/2017 19:45	7.929	46.1	11.18	3.387	29.83	0
3/18/2017 20:00	7.003	49.79	13.21	3.286	29.85	0
3/18/2017 20:15	6.824	49.46	7.494	3.158	29.85	0
3/18/2017 20:30	7.238	46.43	6.777	3.247	29.85	0
3/18/2017 20:45	5.654	57.01	9.26	3.183	29.85	0
3/18/2017 21:00	6.14	58.15	9.82	3.467	29.87	0
3/18/2017 21:15	6.14	61.22	7.495	3.247	29.87	0
3/18/2017 21:30	5.279	57.79	6.754	3.17	29.87	0
3/18/2017 21:45	3.139	88.1	25.55	2.904	29.87	0
3/18/2017 22:00	3.004	133.8	12.12	2.917	29.89	0
3/18/2017 22:15	3.487	117.2	17.97	3.27	29.89	0
3/18/2017 22:30	4.016	96.2	11.1	2.901	29.89	0
3/18/2017 22:45	4.626	96.1	5.481	2.762	29.89	0
3/18/2017 23:00	5.441	106.6	10	2.624	29.91	0
3/18/2017 23:15	5.625	129.3	7.336	2.813	29.91	0
3/18/2017 23:30	5.955	140.9	7.03	2.8	29.91	0
3/18/2017 23:45	5.279	136.4	9.7	2.586	29.91	0
3/19/2017 0:00	3.63	117.4	11.02	2.299	29.92	0
3/19/2017 0:15	4.402	116.8	7.009	2.037	29.92	0
3/19/2017 0:30	4.172	127.7	6.803	2.083	29.92	0
3/19/2017 0:45	4.774	126.6	6.723	2.295	29.92	0
3/19/2017 1:00	4.706	113.9	4.779	2.419	29.95	0
3/19/2017 1:15	4.371	127.3	6.649	2.163	29.95	0
3/19/2017 1:30	4.752	141.6	4.877	2.381	29.95	0
3/19/2017 1:45	4.981	137.2	6.788	2.434	29.95	0
3/19/2017 2:00	4.461	131.9	6.434	2.604	29.97	0
3/19/2017 2:15	3.665	125.4	7.347	2.41	29.97	0
3/19/2017 2:30	4.527	133.9	4.512	2.394	29.97	0
3/19/2017 2:45	4.199	141.2	6.683	2.524	29.97	0
3/19/2017 3:00	4.022	142.4	5.178	2.494	29.97	0
3/19/2017 3:15	3.284	135.1	6.446	2.566	29.97	0
3/19/2017 3:30	3.267	121.3	4.582	2.286	29.97	0
3/19/2017 3:45	3.843	124.1	3.945	2.235	29.97	0
3/19/2017 4:00	3.762	127.3	7.546	2.276	30	0
3/19/2017 4:15	4.17	131.8	5.611	2.48	30	0
3/19/2017 4:30	4.271	144.9	9.05	2.514	30	0
3/19/2017 4:45	3.978	148.6	5.664	2.382	30	0
3/19/2017 5:00	3.912	149.2	8.64	2.48	30.02	0
3/19/2017 5:15	3.114	133.5	12.18	2.286	30.02	0
3/19/2017 5:30	4.217	138.2	6.742	2.129	30.02	0
3/19/2017 5:45	3.668	144.1	5.898	1.974	30.02	0
3/19/2017 6:00	3.611	135.4	3.741	1.763	30.03	0
3/19/2017 6:15	2.603	116.5	7.454	1.932	30.03	0
3/19/2017 6:30	3.226	128	3.166	1.81	30.03	0
3/19/2017 6:45	4.091	116.3	3.894	2.01	30.03	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/19/2017 7:00	3.742	105.7	4.529	1.502	30.04	0
3/19/2017 7:15	4.013	106.5	1.989	1.783	30.04	0
3/19/2017 7:30	4.374	93.3	8.57	2.112	30.04	0
3/19/2017 7:45	3.23	72.94	7.768	2.204	30.04	0
3/19/2017 8:00	2.201	55.17	1.743	1.811	30.06	0
3/19/2017 8:15	1.82	53.23	10.46	2.36	30.06	0
3/19/2017 8:30	2.387	40.17	4.595	3.025	30.06	0
3/19/2017 8:45	2.045	86.9	25.13	4.365	30.06	0
3/19/2017 9:00	1.542	88.9	17.36	5.025	30.08	0
3/19/2017 9:15	2.094	84.4	30.35	5.494	30.08	0
3/19/2017 9:30	2.54	42.86	9.35	5.374	30.08	0
3/19/2017 9:45	3.53	43.61	12.28	5.441	30.08	0
3/19/2017 10:00	3.076	39.94	34.87	5.986	30.08	0
3/19/2017 10:15	3.069	6.796	50.55	6.437	30.08	0
3/19/2017 10:30	2.29	314.1	33.7	6.992	30.08	0
3/19/2017 10:45	3.807	289.3	30.88	7.201	30.08	0
3/19/2017 11:00	4.329	339.4	33.31	7.434	30.08	0
3/19/2017 11:15	5.458	37.14	44.93	7.725	30.08	0
3/19/2017 11:30	5.178	356	29.69	8.02	30.08	0
3/19/2017 11:45	7.04	10.34	27.78	8.18	30.08	0
3/19/2017 12:00	8.25	21.41	21.91	8.12	30.04	0
3/19/2017 12:15	8.68	18.26	14.55	8.49	30.04	0
3/19/2017 12:30	9.46	13.69	15.01	8.65	30.04	0
3/19/2017 12:45	9.58	2.154	20.28	9.11	30.04	0
3/19/2017 13:00	12.49	15.82	25.56	8.88	30.01	0
3/19/2017 13:15	12.71	23.45	12.36	8.82	30.01	0
3/19/2017 13:30	10.71	8.69	17.46	9.14	30.01	0
3/19/2017 13:45	11.77	359.1	21.45	9.48	30.01	0
3/19/2017 14:00	11.7	350	17.4	9.59	29.99	0
3/19/2017 14:15	10.62	5.454	21.59	9.53	29.99	0
3/19/2017 14:30	10.12	8.97	15.86	9.67	29.99	0
3/19/2017 14:45	10.29	355.9	20.34	9.85	29.99	0
3/19/2017 15:00	10.47	9.59	18.32	10	29.97	0
3/19/2017 15:15	11.19	26.91	13.56	9.67	29.97	0
3/19/2017 15:30	9.87	9.42	15.39	9.82	29.97	0
3/19/2017 15:45	9.8	4.831	16.97	10	29.97	0
3/19/2017 16:00	9.13	1.514	18.51	10.07	29.96	0
3/19/2017 16:15	9.55	360	18.32	9.91	29.96	0
3/19/2017 16:30	10.68	353.2	14.87	9.73	29.96	0
3/19/2017 16:45	12.17	354.2	16.65	9.51	29.96	0
3/19/2017 17:00	12.36	352.2	16.02	9.12	29.94	0
3/19/2017 17:15	11.3	358.5	17.72	8.84	29.94	0
3/19/2017 17:30	11.09	359	16.77	8.61	29.94	0
3/19/2017 17:45	10.48	356.3	15.14	8.34	29.94	0
3/19/2017 18:00	10.13	356.8	16.66	7.983	29.93	0
3/19/2017 18:15	9.58	356.5	16.61	7.727	29.93	0
3/19/2017 18:30	10.29	358.3	15.75	7.459	29.93	0
3/19/2017 18:45	10.36	359.6	17.58	7.157	29.93	0
3/19/2017 19:00	10.27	3.496	14.8	6.992	29.93	0
3/19/2017 19:15	11.89	7.726	13.87	6.842	29.93	0
3/19/2017 19:30	10.44	13.73	14.86	6.585	29.93	0
3/19/2017 19:45	11.19	22.87	14.44	6.403	29.93	0
3/19/2017 20:00	6.214	38.57	18.53	6.03	29.93	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/19/2017 20:15	6.455	35.11	17.24	5.92	29.93	0
3/19/2017 20:30	7.697	43.98	14.97	5.812	29.93	0
3/19/2017 20:45	9.31	42.15	9.82	5.668	29.93	0
3/19/2017 21:00	9.27	40.57	9.79	5.531	29.91	0
3/19/2017 21:15	10.77	33.01	9.49	5.458	29.91	0
3/19/2017 21:30	8.9	32.74	12.17	5.23	29.91	0
3/19/2017 21:45	10.64	23.54	10.7	5.238	29.91	0
3/19/2017 22:00	13.77	21.18	11.68	5.307	29.88	0
3/19/2017 22:15	16.25	23.44	10.2	5.14	29.88	0
3/19/2017 22:30	14.24	22.65	9.83	5.038	29.88	0
3/19/2017 22:45	12.91	18.43	12.27	4.861	29.88	0
3/19/2017 23:00	11.43	23.78	10.3	4.608	29.86	0
3/19/2017 23:15	11.61	25.78	7.425	4.192	29.86	0
3/19/2017 23:30	11.27	23.75	8.52	3.894	29.86	0
3/19/2017 23:45	12.09	24.2	6.892	3.466	29.86	0
3/20/2017 0:00	10.9	31.24	8.57	3.407	29.83	0
3/20/2017 0:15	9.97	30.28	8.42	3.084	29.83	0
3/20/2017 0:30	11.03	31.24	8.69	2.996	29.83	0
3/20/2017 0:45	11.03	28.17	7.236	2.84	29.83	0
3/20/2017 1:00	11.4	25.58	6.997	2.832	29.81	0
3/20/2017 1:15	12.01	31.65	8.2	2.633	29.81	0
3/20/2017 1:30	10.81	31.94	7.816	2.516	29.81	0
3/20/2017 1:45	10.55	32.71	7.644	2.352	29.81	0
3/20/2017 2:00	12.19	33.51	10.08	2.39	29.79	0
3/20/2017 2:15	13.46	31.58	8.49	2.08	29.79	0
3/20/2017 2:30	13.22	30.63	8.78	1.993	29.79	0
3/20/2017 2:45	12.41	25.43	8.78	2.252	29.79	0
3/20/2017 3:00	14.05	23.28	9.32	2.34	29.76	0
3/20/2017 3:15	13.75	24	10.55	2.48	29.76	0
3/20/2017 3:30	15.45	26.28	9.41	2.591	29.76	0
3/20/2017 3:45	13.23	29.86	9.06	2.408	29.76	0
3/20/2017 4:00	13.35	27.68	10.47	2.625	29.75	0
3/20/2017 4:15	12.79	27.46	10.45	2.409	29.75	0
3/20/2017 4:30	13.62	27.62	8.46	2.146	29.75	0
3/20/2017 4:45	13.02	29.02	8.64	1.89	29.75	0
3/20/2017 5:00	13.2	30.19	7.593	1.859	29.72	0
3/20/2017 5:15	13.8	32.33	6.842	1.967	29.72	0
3/20/2017 5:30	13.01	30.2	7.523	1.958	29.72	0
3/20/2017 5:45	11.98	27.6	8.54	1.789	29.72	0
3/20/2017 6:00	11.67	29.21	8.29	1.717	29.71	0
3/20/2017 6:15	9.34	26.79	8.36	1.605	29.71	0
3/20/2017 6:30	8.07	23.04	9.42	1.571	29.71	0
3/20/2017 6:45	6.438	28.27	8.84	1.668	29.71	0
3/20/2017 7:00	7.009	27.89	9.7	1.851	29.71	0
3/20/2017 7:15	6.86	30.95	8.29	1.739	29.71	0
3/20/2017 7:30	6.501	31.13	7.939	2.014	29.71	0
3/20/2017 7:45	7.009	30.47	7.29	2.458	29.71	0
3/20/2017 8:00	7.346	28.13	8.44	2.738	29.69	0
3/20/2017 8:15	5.403	24.25	16.84	3.503	29.69	0
3/20/2017 8:30	4.283	5.086	20.61	4.204	29.69	0
3/20/2017 8:45	4.116	21.16	16.18	4.367	29.69	0
3/20/2017 9:00	3.585	33.35	17.92	5.311	29.69	0
3/20/2017 9:15	4.711	71.44	28.17	7.129	29.69	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/2017 9:30	3.63	61.72	37.1	8.03	29.69	0
3/20/2017 9:45	2.453	61.79	34.56	9.28	29.69	0
3/20/2017 10:00	3.953	56.1	35.13	10.11	29.69	0
3/20/2017 10:15	4.671	53.93	33.78	9.38	29.69	0
3/20/2017 10:30	4.082	52.66	25.1	9.02	29.69	0
3/20/2017 10:45	4.011	69.8	32.2	10.52	29.69	0
3/20/2017 11:00	5.244	76.97	34.94	12.47	29.66	0
3/20/2017 11:15	4.802	84.7	30.76	12.77	29.66	0
3/20/2017 11:30	5.452	105.7	37.09	13.5	29.66	0
3/20/2017 11:45	13.29	135.5	12.11	13.58	29.66	0
3/20/2017 12:00	9.45	128.4	18.2	13.94	29.63	0
3/20/2017 12:15	11.38	131.2	14.49	14.34	29.63	0
3/20/2017 12:30	11.91	131.3	18.33	14.15	29.63	0
3/20/2017 12:45	15.71	141.5	9.12	14.06	29.63	0
3/20/2017 13:00	17.38	131	11.99	14.02	29.6	0
3/20/2017 13:15	16.3	137.7	11.05	13.85	29.6	0
3/20/2017 13:30	14.66	125.6	11.88	13.51	29.6	0
3/20/2017 13:45	17.9	131.7	11.2	12.75	29.6	0
3/20/2017 14:00	14.86	132.8	12.33	12.61	29.6	0
3/20/2017 14:15	10.28	129	12.21	12.68	29.6	0
3/20/2017 14:30	11.01	126.8	11.8	12.71	29.6	0
3/20/2017 14:45	9.45	120.4	13.26	12.87	29.6	0
3/20/2017 15:00	10.06	115.6	13.56	13.09	29.58	0
3/20/2017 15:15	7.362	111.2	17.56	13.16	29.58	0
3/20/2017 15:30	9.17	126.5	12.36	13.09	29.58	0
3/20/2017 15:45	10.31	131.8	12.26	12.97	29.58	0
3/20/2017 16:00	10.27	132.5	11.92	12.89	29.57	0
3/20/2017 16:15	11.9	126.9	12.8	12.7	29.57	0
3/20/2017 16:30	11.35	123.4	10.9	12.49	29.57	0
3/20/2017 16:45	8.61	127.7	9.76	12.25	29.57	0
3/20/2017 17:00	8.44	128.5	11.43	12.14	29.58	0
3/20/2017 17:15	8.57	134.5	9.74	11.98	29.58	0
3/20/2017 17:30	7.962	131.5	10.54	11.68	29.58	0
3/20/2017 17:45	8.68	128.2	12.07	11.61	29.58	0
3/20/2017 18:00	10.29	124.1	10.15	11.23	29.57	0
3/20/2017 18:15	4.939	40.87	22.98	9.61	29.57	0
3/20/2017 18:30	3.96	29.77	5.65	8.95	29.57	0
3/20/2017 18:45	4.447	45.97	21.5	8.85	29.57	0
3/20/2017 19:00	3.352	73.35	27.94	9.25	29.56	0
3/20/2017 19:15	3.305	143.8	19.77	9.81	29.56	0
3/20/2017 19:30	5.834	144.7	11.04	9.73	29.56	0
3/20/2017 19:45	5.85	128.3	12.95	9.56	29.56	0
3/20/2017 20:00	7.599	135.4	9.75	9.66	29.56	0
3/20/2017 20:15	7.392	139.6	10.94	9.57	29.56	0
3/20/2017 20:30	9.77	132.3	13.5	9.65	29.56	0
3/20/2017 20:45	12.35	131.6	11.06	9.74	29.56	0
3/20/2017 21:00	12.26	127.6	11.13	9.68	29.52	0
3/20/2017 21:15	8.61	111.4	26.13	9.62	29.52	0
3/20/2017 21:30	6.715	108.8	20.57	9.22	29.52	0
3/20/2017 21:45	10.96	122.9	12.49	9.72	29.52	0
3/20/2017 22:00	11.46	119.8	12.93	9.69	29.49	0
3/20/2017 22:15	6.675	110.7	23.73	9.4	29.49	0
3/20/2017 22:30	7.122	104.6	17.78	9.23	29.49	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/2017 22:45	7.079	120.1	16	9.57	29.49	0
3/20/2017 23:00	12.35	130.3	11.74	9.78	29.47	0
3/20/2017 23:15	11.05	124.8	15.07	9.57	29.47	0
3/20/2017 23:30	6.027	108.8	20.7	9.22	29.47	0
3/20/2017 23:45	7.245	112.9	16.83	9.31	29.47	0
3/21/2017 0:00	6.921	110.2	18.4	9.38	29.44	0
3/21/2017 0:15	6.357	119.4	13.27	9.42	29.44	0
3/21/2017 0:30	5.123	96.2	19.15	9.63	29.44	0
3/21/2017 0:45	4.638	100.3	17.58	9.6	29.44	0
3/21/2017 1:00	5.177	131.5	11.97	9.76	29.42	0
3/21/2017 1:15	5.083	156.4	13.26	9.96	29.42	0
3/21/2017 1:30	4.325	140.7	21.73	10.07	29.42	0
3/21/2017 1:45	7.596	125.8	16.88	10.03	29.42	0
3/21/2017 2:00	11.51	132.5	10.76	10.31	29.4	0
3/21/2017 2:15	13.63	134.4	10.81	10.46	29.4	0
3/21/2017 2:30	15.51	140.6	11.58	10.28	29.4	0
3/21/2017 2:45	16.16	143.5	10.72	10.05	29.4	0
3/21/2017 3:00	13.08	137	11.28	9.5	29.4	0
3/21/2017 3:15	13.81	137.3	9.67	8.93	29.4	0.01
3/21/2017 3:30	13.26	136.3	10.4	8.43	29.4	0.01
3/21/2017 3:45	17.03	136.4	10.86	8.21	29.4	0.01
3/21/2017 4:00	15.34	128.1	10.65	8.19	29.37	0.01
3/21/2017 4:15	14.73	128.9	10.19	8.5	29.37	0.01
3/21/2017 4:30	11.6	131.5	10.73	8.32	29.37	0
3/21/2017 4:45	11.83	128.9	12.08	8.2	29.37	0.01
3/21/2017 5:00	16.37	129.2	10.47	8.27	29.37	0.01
3/21/2017 5:15	17.13	133.4	9.66	8.27	29.37	0.02
3/21/2017 5:30	17.96	132.8	9.68	8.23	29.37	0.01
3/21/2017 5:45	16.98	131	10.67	8.16	29.37	0
3/21/2017 6:00	14.53	131.7	9.95	8.18	29.35	0
3/21/2017 6:15	9.59	118.4	13.73	8.19	29.35	0
3/21/2017 6:30	5.414	109	17.31	7.889	29.35	0
3/21/2017 6:45	5.453	91.1	14.76	7.92	29.35	0
3/21/2017 7:00	6.632	109	19.73	8.21	29.34	0
3/21/2017 7:15	7.768	109.8	23.41	8.67	29.34	0
3/21/2017 7:30	9.98	120.8	17.54	8.92	29.34	0
3/21/2017 7:45	6.081	107.8	20.06	9.07	29.34	0
3/21/2017 8:00	4.508	94.4	25.48	9.25	29.33	0
3/21/2017 8:15	3.256	89	38.1	9.53	29.33	0
3/21/2017 8:30	3.031	53.04	37.72	9.77	29.33	0
3/21/2017 8:45	1.637	67.1	47.04	10.34	29.33	0
3/21/2017 9:00	4.011	115	55.1	10.44	29.32	0
3/21/2017 9:15	5.269	81.5	21.27	10.57	29.32	0
3/21/2017 9:30	3.255	114.5	20.71	10.98	29.32	0
3/21/2017 9:45	2.69	102.7	42.44	11.43	29.32	0
3/21/2017 10:00	3.831	136.7	27.56	12.21	29.33	0
3/21/2017 10:15	5.067	146.3	21.46	12.21	29.33	0
3/21/2017 10:30	3.676	145.1	23.01	11.95	29.33	0.01
3/21/2017 10:45	8.25	128.2	23.81	11.36	29.33	0
3/21/2017 11:00	12.23	164.1	9.07	11.57	29.36	0
3/21/2017 11:15	13.99	156.7	7.592	11.23	29.36	0
3/21/2017 11:30	11.04	143.4	10.37	10.55	29.36	0.01
3/21/2017 11:45	10.77	142.3	9.62	10.13	29.36	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/21/2017 12:00	11.98	134.4	8.55	9.73	29.37	0.02
3/21/2017 12:15	11.48	130.2	10.13	9.53	29.37	0.02
3/21/2017 12:30	10.65	135.7	9.73	9.56	29.37	0.01
3/21/2017 12:45	11.4	128.7	8.65	9.77	29.37	0.01
3/21/2017 13:00	11.4	123.9	9.73	9.82	29.38	0.01
3/21/2017 13:15	10.31	124.6	10.2	9.79	29.38	0.01
3/21/2017 13:30	7.621	125.7	12.51	9.89	29.38	0.01
3/21/2017 13:45	6.321	127.3	11.27	9.85	29.38	0.02
3/21/2017 14:00	3.236	85.9	18.36	9.65	29.37	0.01
3/21/2017 14:15	3.328	85.9	12.61	9.92	29.37	0
3/21/2017 14:30	5.123	120.3	10.63	9.88	29.37	0.01
3/21/2017 14:45	5.015	176.3	36.94	9.84	29.37	0
3/21/2017 15:00	7.439	161.8	15.92	9.54	29.39	0.01
3/21/2017 15:15	5.37	118.5	21.92	9.49	29.39	0
3/21/2017 15:30	5.724	118.4	19.3	9.67	29.39	0
3/21/2017 15:45	7.791	128.5	9.81	10.13	29.39	0
3/21/2017 16:00	4.292	124.8	12.9	10.24	29.38	0
3/21/2017 16:15	5.692	160.9	13.84	10.79	29.38	0
3/21/2017 16:30	8.79	138.5	9.92	11.16	29.38	0
3/21/2017 16:45	8.01	134.8	10.62	11.14	29.38	0
3/21/2017 17:00	8.04	131.8	10.53	11.33	29.37	0
3/21/2017 17:15	8.76	141.2	9.47	11.79	29.37	0
3/21/2017 17:30	9.02	140.1	9.31	11.79	29.37	0
3/21/2017 17:45	7.545	140.8	9.26	11.47	29.37	0
3/21/2017 18:00	7.483	161	8.99	10.97	29.38	0
3/21/2017 18:15	8.45	154.7	10.07	10.74	29.38	0
3/21/2017 18:30	8.48	150	11.1	10.75	29.38	0
3/21/2017 18:45	8.2	167.7	13.7	10.44	29.38	0
3/21/2017 19:00	5.226	219.3	40.62	9.84	29.39	0
3/21/2017 19:15	1.233	321	61.48	9.75	29.39	0
3/21/2017 19:30	4.121	14.3	30.19	9.3	29.39	0
3/21/2017 19:45	5.803	59.08	5.964	9.02	29.39	0
3/21/2017 20:00	5.327	70.44	18.17	9.13	29.37	0
3/21/2017 20:15	4.121	139.9	28.02	9.22	29.37	0
3/21/2017 20:30	5.019	144.3	23.82	9.47	29.37	0
3/21/2017 20:45	4.076	123.1	10.25	9.35	29.37	0
3/21/2017 21:00	4.224	65.65	7.062	8.22	29.35	0
3/21/2017 21:15	3.673	82.9	5.149	8.67	29.35	0
3/21/2017 21:30	3.917	152.1	28.78	8.71	29.35	0
3/21/2017 21:45	6.561	153.8	16.22	8.8	29.35	0
3/21/2017 22:00	5.853	155.9	27.15	8.68	29.37	0
3/21/2017 22:15	5.117	160.1	31.26	8.67	29.37	0
3/21/2017 22:30	5.623	176.6	22.94	8.43	29.37	0
3/21/2017 22:45	8.42	175.2	17.39	8.52	29.37	0
3/21/2017 23:00	7.943	179.4	12.93	8.33	29.39	0
3/21/2017 23:15	6.191	150.3	15.08	8.35	29.39	0
3/21/2017 23:30	4.845	164.3	18.51	8.39	29.39	0
3/21/2017 23:45	5.37	144.3	13.24	8.71	29.39	0
3/22/2017 0:00	6.45	125.4	8.33	8.79	29.37	0
3/22/2017 0:15	6.612	128.1	7.504	9.31	29.37	0
3/22/2017 0:30	5.498	155	20.76	9.2	29.37	0
3/22/2017 0:45	6.335	139.6	12.98	9.16	29.37	0
3/22/2017 1:00	7.156	149.4	22.86	8.92	29.35	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/2017 1:15	7.038	136.5	17.16	9.29	29.35	0
3/22/2017 1:30	3.971	178.1	42.54	8.86	29.35	0
3/22/2017 1:45	7.225	129	17.65	9.56	29.35	0
3/22/2017 2:00	7.836	131	12.06	10.01	29.34	0
3/22/2017 2:15	10.18	134.4	11.23	10.35	29.34	0
3/22/2017 2:30	12.29	146.2	11.7	10.46	29.34	0
3/22/2017 2:45	11.51	168.5	12.13	9.91	29.34	0
3/22/2017 3:00	9.64	175.1	15.47	9.11	29.37	0
3/22/2017 3:15	8.28	158.2	10.33	8.85	29.37	0
3/22/2017 3:30	10.28	144.1	10.65	9.21	29.37	0
3/22/2017 3:45	10.89	147.5	9.7	8.96	29.37	0
3/22/2017 4:00	10.17	149.6	13.32	8.69	29.38	0
3/22/2017 4:15	10.12	155.5	12.67	8.61	29.38	0
3/22/2017 4:30	9.45	146.6	8.79	8.76	29.38	0
3/22/2017 4:45	8.9	145.8	8.85	8.54	29.38	0
3/22/2017 5:00	8.6	146.2	8.87	8.58	29.39	0
3/22/2017 5:15	8.78	141.4	9.01	8.67	29.39	0
3/22/2017 5:30	8.6	147.8	8.99	8.56	29.39	0
3/22/2017 5:45	7.864	146.9	8.92	8.54	29.39	0
3/22/2017 6:00	8.76	148.8	7.877	8.6	29.42	0
3/22/2017 6:15	7.996	156.7	7.653	8.51	29.42	0
3/22/2017 6:30	10.33	148.1	11.3	8.5	29.42	0
3/22/2017 6:45	9.76	139.3	8.52	8.33	29.42	0
3/22/2017 7:00	8.54	143.8	9.61	8.11	29.44	0
3/22/2017 7:15	8.66	145.3	10.74	8.31	29.44	0
3/22/2017 7:30	6.662	146.2	16.64	8.62	29.44	0
3/22/2017 7:45	6.595	144.6	11.18	8.89	29.44	0
3/22/2017 8:00	7.017	145	10.75	9.14	29.45	0
3/22/2017 8:15	7.552	145.1	9.95	9.91	29.45	0
3/22/2017 8:30	7.244	158.5	11.06	10.65	29.45	0
3/22/2017 8:45	6.161	181	15.94	10.95	29.45	0
3/22/2017 9:00	7.707	188.9	13.44	11.14	29.48	0
3/22/2017 9:15	9.15	196.7	10.59	11.17	29.48	0
3/22/2017 9:30	10.51	213.5	10.1	11.97	29.48	0
3/22/2017 9:45	12.3	231.7	9.89	12.26	29.48	0
3/22/2017 10:00	12.14	238.5	9.11	11.93	29.49	0
3/22/2017 10:15	12.32	219.7	12.19	12.1	29.49	0
3/22/2017 10:30	18.01	195.3	11.88	12.29	29.49	0
3/22/2017 10:45	17.78	213.9	11.41	12.21	29.49	0
3/22/2017 11:00	18.47	213.6	8.54	12.28	29.5	0
3/22/2017 11:15	21.52	218	10.82	12.16	29.5	0
3/22/2017 11:30	22.49	205.7	8.14	11.63	29.5	0
3/22/2017 11:45	18.78	207.7	9.02	11.48	29.5	0
3/22/2017 12:00	18.97	205.6	9.93	11.36	29.52	0
3/22/2017 12:15	16.59	208.5	7.705	10.73	29.52	0.01
3/22/2017 12:30	18.14	212.6	10.12	11.03	29.52	0
3/22/2017 12:45	21.05	210.4	7.357	11.09	29.52	0
3/22/2017 13:00	18.64	212.4	10.1	11.69	29.53	0
3/22/2017 13:15	20.68	205.3	10.11	11.71	29.53	0
3/22/2017 13:30	19.68	208.4	12.16	11.91	29.53	0
3/22/2017 13:45	18.83	201.4	9.08	11.73	29.53	0
3/22/2017 14:00	20.6	216.5	10.7	12.22	29.55	0
3/22/2017 14:15	19.45	210.2	12.64	12.09	29.55	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/2017 14:30	19.8	200	11.33	12.15	29.55	0
3/22/2017 14:45	21.27	205.3	13.79	11.69	29.55	0
3/22/2017 15:00	19.57	201.9	11.11	11.61	29.57	0
3/22/2017 15:15	19.32	216	11.44	11.16	29.57	0
3/22/2017 15:30	20.43	240.9	15.8	9.67	29.57	0
3/22/2017 15:45	15.79	232.9	9.7	8.2	29.57	0.02
3/22/2017 16:00	14.68	222.5	8.14	7.947	29.63	0.02
3/22/2017 16:15	12.84	215.6	9.82	8.04	29.63	0
3/22/2017 16:30	11.26	210.2	11.3	8.09	29.63	0
3/22/2017 16:45	14.14	213.3	12.88	8.03	29.63	0
3/22/2017 17:00	14.19	225.5	12.16	8.02	29.65	0
3/22/2017 17:15	17.39	224.6	10.71	7.628	29.65	0.01
3/22/2017 17:30	14.48	230.6	9.17	7.885	29.65	0
3/22/2017 17:45	11.9	239.2	13.25	7.881	29.65	0
3/22/2017 18:00	11.46	236.6	10.34	7.594	29.7	0
3/22/2017 18:15	15.41	236.9	10.14	7.388	29.7	0
3/22/2017 18:30	15.85	244.9	9.94	7.002	29.7	0
3/22/2017 18:45	13.51	238.7	12.85	6.534	29.7	0
3/22/2017 19:00	9.58	223.7	11.59	6.463	29.73	0
3/22/2017 19:15	8.75	220	13.04	6.511	29.73	0
3/22/2017 19:30	8.27	222.8	14.57	6.521	29.73	0
3/22/2017 19:45	7.796	200.7	14.39	6.429	29.73	0
3/22/2017 20:00	8.45	196.2	12.87	6.363	29.76	0
3/22/2017 20:15	9.07	194.6	11.3	6.387	29.76	0
3/22/2017 20:30	9.22	203.7	9.91	6.336	29.76	0
3/22/2017 20:45	8.25	192.3	10.2	6.111	29.76	0
3/22/2017 21:00	8.76	191.6	6.688	5.815	29.79	0
3/22/2017 21:15	9.23	191.3	5.762	5.59	29.79	0
3/22/2017 21:30	8.89	180.5	9.87	5.518	29.79	0
3/22/2017 21:45	8.36	161.8	6.586	5.403	29.79	0
3/22/2017 22:00	7.733	154.7	6.2	5.398	29.8	0
3/22/2017 22:15	6.2	144.4	8.41	5.452	29.8	0
3/22/2017 22:30	8.29	153.7	9.24	5.56	29.8	0
3/22/2017 22:45	7.359	151.4	11.5	5.471	29.8	0
3/22/2017 23:00	5.278	152.7	6.811	5.363	29.8	0
3/22/2017 23:15	4.131	147.7	8.02	5.228	29.8	0
3/22/2017 23:30	5.074	156.4	11.3	5.136	29.8	0
3/22/2017 23:45	4.883	156.9	14.4	4.982	29.8	0
3/23/2017 0:00	6.07	176.6	15.95	5.03	29.8	0
3/23/2017 0:15	4.317	166.7	11.08	4.928	29.8	0
3/23/2017 0:30	2.553	154	14.59	5.011	29.8	0
3/23/2017 0:45	4.318	177.9	16.66	5.092	29.8	0
3/23/2017 1:00	4.897	182.7	9.73	5.031	29.8	0
3/23/2017 1:15	3.24	155.4	12.14	4.575	29.8	0
3/23/2017 1:30	5.57	157.7	9.31	4.7	29.8	0
3/23/2017 1:45	6.269	155.2	9.36	4.887	29.8	0
3/23/2017 2:00	5.671	161.3	9.76	4.607	29.8	0
3/23/2017 2:15	3.937	144.8	14.32	4.481	29.8	0
3/23/2017 2:30	3.758	136.5	6.228	4.319	29.8	0
3/23/2017 2:45	4.116	130.9	4.149	4.279	29.8	0
3/23/2017 3:00	5.535	128.4	7.801	4.515	29.79	0
3/23/2017 3:15	5.35	131.8	8.99	4.711	29.79	0
3/23/2017 3:30	4.93	151	9.68	4.806	29.79	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/23/2017 3:45	3.612	142.8	8.37	4.756	29.79	0
3/23/2017 4:00	4.497	145.4	9.5	4.837	29.79	0
3/23/2017 4:15	4.362	137.4	6.516	4.839	29.79	0
3/23/2017 4:30	5.984	157.4	10.2	5.064	29.79	0
3/23/2017 4:45	5.443	150.9	12.96	4.895	29.79	0
3/23/2017 5:00	4.133	120.8	7.581	4.685	29.8	0
3/23/2017 5:15	4.813	135.9	9.54	4.649	29.8	0
3/23/2017 5:30	4.638	133.4	7.083	4.692	29.8	0
3/23/2017 5:45	5.098	127.6	5.863	4.616	29.8	0
3/23/2017 6:00	5.087	122.5	4.91	4.542	29.8	0
3/23/2017 6:15	6.063	122.6	7.141	4.879	29.8	0
3/23/2017 6:30	6.002	129.7	9.46	5.158	29.8	0
3/23/2017 6:45	5.698	134.9	7.402	5.223	29.8	0
3/23/2017 7:00	5.153	126.3	7.884	5.664	29.81	0
3/23/2017 7:15	5.127	137.4	7.905	5.797	29.81	0
3/23/2017 7:30	4.772	146.4	6.204	5.975	29.81	0
3/23/2017 7:45	4.824	137.3	6.703	6.138	29.81	0
3/23/2017 8:00	5.535	132.2	7.576	6.666	29.81	0
3/23/2017 8:15	4.68	126.5	9.85	7.024	29.81	0
3/23/2017 8:30	5.09	131.3	12.11	7.528	29.81	0
3/23/2017 8:45	6.031	145.5	10.71	7.645	29.81	0
3/23/2017 9:00	6.492	138	13.67	7.963	29.81	0
3/23/2017 9:15	6.074	159.6	17.85	8.28	29.81	0
3/23/2017 9:30	5.641	180.5	20.57	8.47	29.81	0
3/23/2017 9:45	5.817	180.7	27	8.67	29.81	0
3/23/2017 10:00	8.39	203.7	25.85	8.63	29.8	0
3/23/2017 10:15	5.578	206.9	20.08	8.62	29.8	0
3/23/2017 10:30	5.98	178.1	27.84	8.89	29.8	0
3/23/2017 10:45	3.534	173.1	35.08	9.02	29.8	0
3/23/2017 11:00	4.004	145.8	55.21	9.25	29.78	0
3/23/2017 11:15	3.82	162.5	52.33	9.36	29.78	0
3/23/2017 11:30	5.332	185.4	22.51	9.47	29.78	0
3/23/2017 11:45	3.401	148.7	35.97	10	29.78	0
3/23/2017 12:00	4.66	133.7	58.42	10.16	29.75	0
3/23/2017 12:15	6.981	138.2	43.07	10.81	29.75	0
3/23/2017 12:30	5.932	118.7	33.82	10.81	29.75	0
3/23/2017 12:45	5.383	123.9	34.57	11.35	29.75	0
3/23/2017 13:00	2.869	169	60.01	11.81	29.71	0
3/23/2017 13:15	3.667	137	71.32	11.87	29.71	0
3/23/2017 13:30	3.373	232.4	49.35	12.44	29.71	0
3/23/2017 13:45	7.031	232.7	14.45	12.56	29.71	0
3/23/2017 14:00	4.559	211.7	43.56	12.4	29.68	0
3/23/2017 14:15	3.742	273.2	47.46	12.77	29.68	0
3/23/2017 14:30	6.684	249.3	26.32	13.24	29.68	0
3/23/2017 14:45	8.18	228.3	13.8	12.95	29.68	0
3/23/2017 15:00	6.321	228.6	23.3	13.19	29.64	0
3/23/2017 15:15	6.202	215.5	13.08	12.85	29.64	0
3/23/2017 15:30	7.089	214.9	10.33	12.92	29.64	0
3/23/2017 15:45	6.855	224.3	19.01	13.1	29.64	0
3/23/2017 16:00	8.03	206.8	12.67	12.91	29.62	0
3/23/2017 16:15	5.195	208.8	12.96	12.83	29.62	0
3/23/2017 16:30	8.88	231.8	11.2	12.86	29.62	0
3/23/2017 16:45	6.914	227	10.9	12.72	29.62	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/23/2017 17:00	5.997	238.6	7.046	12.64	29.6	0
3/23/2017 17:15	4.055	223.6	5.962	12.41	29.6	0
3/23/2017 17:30	5.118	225.4	6.176	12.27	29.6	0
3/23/2017 17:45	4.802	245.8	25.65	12.01	29.6	0
3/23/2017 18:00	4.666	270.7	11.71	11.51	29.6	0
3/23/2017 18:15	3.594	275.2	12.62	11.31	29.6	0
3/23/2017 18:30	4.994	227.7	26.04	11.25	29.6	0
3/23/2017 18:45	13.35	213.4	10.68	11.03	29.6	0
3/23/2017 19:00	9.92	223.8	12.78	11	29.58	0
3/23/2017 19:15	9.79	213.1	11.79	10.55	29.58	0
3/23/2017 19:30	7.304	182.3	41.54	9.86	29.58	0
3/23/2017 19:45	5.015	186.5	46.96	9.65	29.58	0
3/23/2017 20:00	4.044	262.4	12.35	9.31	29.57	0
3/23/2017 20:15	4.055	268.1	49.39	9.03	29.57	0
3/23/2017 20:30	3.586	116.1	31.6	8.27	29.57	0.01
3/23/2017 20:45	4.524	77.13	60.58	7.77	29.57	0.01
3/23/2017 21:00	3.833	8.28	40.06	7.254	29.56	0.02
3/23/2017 21:15	4.68	122	23	8.03	29.56	0.02
3/23/2017 21:30	6.607	128.4	14.47	7.414	29.56	0.02
3/23/2017 21:45	4.195	105.8	24.06	7.034	29.56	0.01
3/23/2017 22:00	4.343	137.2	14.15	7.158	29.52	0.01
3/23/2017 22:15	6.417	143.5	13.77	7.15	29.52	0.02
3/23/2017 22:30	6.798	171	13.78	7.066	29.52	0.01
3/23/2017 22:45	5.911	201.9	13.88	7.037	29.52	0.02
3/23/2017 23:00	3.038	255	32.26	6.837	29.53	0.02
3/23/2017 23:15	1.346	11.81	20.44	6.396	29.53	0.02
3/23/2017 23:30	1.488	65.15	7.257	6.273	29.53	0.02
3/23/2017 23:45	3.54	122.9	18.94	6.273	29.53	0.03
3/24/2017 0:00	5.324	112.3	17.86	6.427	29.51	0.01
3/24/2017 0:15	8.81	125.4	12.2	6.741	29.51	0
3/24/2017 0:30	13.52	129.9	10.44	7.332	29.51	0.01
3/24/2017 0:45	14.26	135.2	10.03	7.483	29.51	0
3/24/2017 1:00	12.71	133.3	11.06	7.663	29.48	0
3/24/2017 1:15	12.89	142.9	12.8	7.799	29.48	0
3/24/2017 1:30	12.15	151.3	10.36	7.757	29.48	0
3/24/2017 1:45	12.93	137.4	9.72	8.11	29.48	0.01
3/24/2017 2:00	12.82	132.7	10.35	8.2	29.47	0
3/24/2017 2:15	13.83	129.9	9.92	8.28	29.47	0
3/24/2017 2:30	15.82	134.7	9.79	8.25	29.47	0
3/24/2017 2:45	14.35	140.7	10.24	8.2	29.47	0
3/24/2017 3:00	13.06	147.5	11.65	8.11	29.43	0
3/24/2017 3:15	13.66	140.4	9.26	8.31	29.43	0
3/24/2017 3:30	14.59	138.3	10.02	8.2	29.43	0
3/24/2017 3:45	13.34	141.9	9.39	8.11	29.43	0
3/24/2017 4:00	13.28	135.6	9.54	8.18	29.42	0
3/24/2017 4:15	15.04	132.6	11.43	8.23	29.42	0
3/24/2017 4:30	15.43	133.9	8.66	8	29.42	0
3/24/2017 4:45	16.07	134.1	8.87	7.637	29.42	0.01
3/24/2017 5:00	13.66	141	10.43	7.234	29.42	0.02
3/24/2017 5:15	14.2	131.4	9.41	7.283	29.42	0.02
3/24/2017 5:30	14.19	132.4	9.14	7.438	29.42	0.01
3/24/2017 5:45	13.56	134.4	8.8	7.633	29.42	0
3/24/2017 6:00	14.54	133.2	7.978	7.611	29.43	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/24/2017 6:15	13.86	132.1	9.48	7.535	29.43	0.01
3/24/2017 6:30	12.05	140	11.1	7.535	29.43	0.01
3/24/2017 6:45	11.96	138.5	8.65	7.299	29.43	0.01
3/24/2017 7:00	12.39	132.4	9.36	7.093	29.43	0.02
3/24/2017 7:15	11.68	135.9	9.96	7.098	29.43	0
3/24/2017 7:30	10.38	143.4	8.88	7.137	29.43	0.01
3/24/2017 7:45	10.8	150.2	11.08	6.923	29.43	0
3/24/2017 8:00	9.67	155.8	12.6	6.829	29.43	0.01
3/24/2017 8:15	8.69	198.1	16.35	6.596	29.43	0.01
3/24/2017 8:30	8.29	165.3	10.22	6.503	29.43	0.01
3/24/2017 8:45	8.57	135.7	11.38	6.488	29.43	0.01
3/24/2017 9:00	8.66	129.9	8.37	6.553	29.46	0
3/24/2017 9:15	8.87	138.5	8.73	6.892	29.46	0
3/24/2017 9:30	6.856	167.2	26.6	7.126	29.46	0
3/24/2017 9:45	7.215	178.2	25.96	7.231	29.46	0
3/24/2017 10:00	9.17	147.6	11.7	7.49	29.48	0
3/24/2017 10:15	8.15	141.4	8.35	7.628	29.48	0
3/24/2017 10:30	9.42	138.9	8.11	8.06	29.48	0
3/24/2017 10:45	8.69	144.7	11.52	8.53	29.48	0
3/24/2017 11:00	8.89	149.7	11.45	9.25	29.49	0
3/24/2017 11:15	8.8	144.3	10.79	9.34	29.49	0
3/24/2017 11:30	8.18	154.5	13.94	10.07	29.49	0
3/24/2017 11:45	8.53	161	18.77	10.61	29.49	0
3/24/2017 12:00	8.8	180.3	20.96	10.8	29.5	0
3/24/2017 12:15	15.29	206.7	12.93	10.79	29.5	0
3/24/2017 12:30	14.74	205.9	9.26	11.19	29.5	0
3/24/2017 12:45	13.02	209.3	9.34	11.21	29.5	0
3/24/2017 13:00	15	206.9	8.91	11.02	29.49	0
3/24/2017 13:15	13.6	210.8	11.7	10.77	29.49	0
3/24/2017 13:30	8.81	191.4	9.52	10.35	29.49	0
3/24/2017 13:45	8.14	197.3	8.09	10.07	29.49	0.01
3/24/2017 14:00	11.12	206.3	13.49	9.3	29.5	0.02
3/24/2017 14:15	14.68	221	10.35	9.02	29.5	0.04
3/24/2017 14:30	10.93	200	11.81	9.25	29.5	0
3/24/2017 14:45	10.31	181	10.69	9.98	29.5	0
3/24/2017 15:00	11.57	180.5	12.47	10.33	29.52	0
3/24/2017 15:15	11.44	184.2	11.65	10.64	29.52	0
3/24/2017 15:30	10.28	186.7	10.35	10.64	29.52	0
3/24/2017 15:45	15.92	200.5	16.11	10.41	29.52	0.01
3/24/2017 16:00	16.64	210.8	7.943	9.9	29.54	0
3/24/2017 16:15	11.22	197.3	8.34	9.8	29.54	0
3/24/2017 16:30	9.8	192	8.1	9.73	29.54	0
3/24/2017 16:45	7.759	196.5	9.64	9.65	29.54	0.01
3/24/2017 17:00	11.68	204	10.39	9.62	29.55	0.01
3/24/2017 17:15	17.53	215.1	9.61	9.1	29.55	0.01
3/24/2017 17:30	14.35	220	9.8	8.55	29.55	0.02
3/24/2017 17:45	15.65	211.7	7.638	8.11	29.55	0.02
3/24/2017 18:00	11.75	203	6.994	7.841	29.6	0
3/24/2017 18:15	10.93	199.6	8.57	7.664	29.6	0
3/24/2017 18:30	9.5	200.8	8.04	7.604	29.6	0
3/24/2017 18:45	7.299	191.5	8.42	7.529	29.6	0.01
3/24/2017 19:00	8.02	188.3	6.777	7.464	29.63	0
3/24/2017 19:15	8.22	186.1	7.371	7.41	29.63	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/24/2017 19:30	9.85	193	10.6	7.401	29.63	0
3/24/2017 19:45	11.8	214.1	10.15	7.394	29.63	0.01
3/24/2017 20:00	10.93	214.8	6.626	7.329	29.68	0
3/24/2017 20:15	9.24	200.3	8.51	7.143	29.68	0
3/24/2017 20:30	9.03	192.5	6.262	7.024	29.68	0
3/24/2017 20:45	8.13	189.9	7.921	7.036	29.68	0
3/24/2017 21:00	8.78	184.3	9.45	7.074	29.71	0
3/24/2017 21:15	6.981	177	11.12	6.894	29.71	0
3/24/2017 21:30	7.171	184.3	13.52	6.932	29.71	0
3/24/2017 21:45	8.16	189.3	6.442	6.937	29.71	0
3/24/2017 22:00	14.24	203.9	10.36	6.862	29.73	0
3/24/2017 22:15	11.78	201.8	11.8	6.634	29.73	0.01
3/24/2017 22:30	10.72	193.4	8.19	6.422	29.73	0
3/24/2017 22:45	6.365	179.5	9.53	6.095	29.73	0
3/24/2017 23:00	4.208	148.1	18.48	5.638	29.75	0
3/24/2017 23:15	4.124	134.3	7.6	5.568	29.75	0
3/24/2017 23:30	4.493	121.2	6.27	5.677	29.75	0
3/24/2017 23:45	6.631	128.2	10.25	5.815	29.75	0
3/25/2017 0:00	6.486	135.7	8.53	5.926	29.77	0
3/25/2017 0:15	6.541	133.1	7.368	6.211	29.77	0
3/25/2017 0:30	6.429	147.4	7.967	6.302	29.77	0
3/25/2017 0:45	7.368	149.2	8.02	6.261	29.77	0
3/25/2017 1:00	8.81	156.2	6.29	6.324	29.77	0
3/25/2017 1:15	8.48	157.3	7.342	6.198	29.77	0
3/25/2017 1:30	8.43	157.5	5.475	6.046	29.77	0
3/25/2017 1:45	9.23	165.2	7.346	6.092	29.77	0
3/25/2017 2:00	8.73	173.7	8.14	6.054	29.77	0
3/25/2017 2:15	9.41	169.2	7.327	6.086	29.77	0
3/25/2017 2:30	8.83	165.3	6.308	6.13	29.77	0
3/25/2017 2:45	9.31	174.3	10.37	6.267	29.77	0
3/25/2017 3:00	8.8	183.1	7.622	6.251	29.77	0
3/25/2017 3:15	8.92	189.7	8.06	6.164	29.77	0
3/25/2017 3:30	8.41	189.3	8.47	5.807	29.77	0
3/25/2017 3:45	9.01	185.2	7.557	5.655	29.77	0.01
3/25/2017 4:00	8.2	179.2	9.29	5.565	29.78	0
3/25/2017 4:15	7	164.5	14.74	5.312	29.78	0.01
3/25/2017 4:30	7.81	150.8	7.27	5.187	29.78	0
3/25/2017 4:45	10.19	154.9	7.341	5.154	29.78	0
3/25/2017 5:00	8.33	156.2	9.73	5.104	29.79	0
3/25/2017 5:15	7.441	167.7	11.5	5.237	29.79	0
3/25/2017 5:30	8.06	180.9	9.6	5.394	29.79	0
3/25/2017 5:45	7.4	187.1	8.11	5.291	29.79	0
3/25/2017 6:00	5.989	164.4	12.07	5.058	29.81	0
3/25/2017 6:15	4.571	156.9	12.73	5.001	29.81	0
3/25/2017 6:30	6.304	174.9	12.24	5.191	29.81	0
3/25/2017 6:45	9.07	183.2	8.02	5.286	29.81	0
3/25/2017 7:00	7.534	175.6	10.47	5.322	29.84	0
3/25/2017 7:15	7.948	183.9	11.44	5.356	29.84	0
3/25/2017 7:30	5.574	148.7	14.2	5.385	29.84	0
3/25/2017 7:45	6.304	148.2	9.14	5.454	29.84	0
3/25/2017 8:00	8.05	154	11.27	5.571	29.84	0
3/25/2017 8:15	5.902	138.1	10.54	5.583	29.84	0
3/25/2017 8:30	6.743	151.4	11.76	5.72	29.84	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/2017 8:45	6.621	154.1	8.81	5.861	29.84	0
3/25/2017 9:00	7.894	180	22.24	6.283	29.85	0
3/25/2017 9:15	9.21	181.5	10.49	6.571	29.85	0
3/25/2017 9:30	9.24	173	10.56	6.827	29.85	0
3/25/2017 9:45	9.28	187.6	11.69	6.926	29.85	0
3/25/2017 10:00	8.99	198.8	12.99	6.569	29.86	0.01
3/25/2017 10:15	6.104	197.9	17.69	7.349	29.86	0
3/25/2017 10:30	6.61	214.6	32.63	7.634	29.86	0
3/25/2017 10:45	7.671	220.3	26.06	7.228	29.86	0
3/25/2017 11:00	7.13	202.7	9.92	7.44	29.86	0
3/25/2017 11:15	10.21	206.3	8.89	7.017	29.86	0.01
3/25/2017 11:30	9.96	213.1	7.371	7.404	29.86	0.01
3/25/2017 11:45	10.87	230.6	9.05	6.808	29.86	0.01
3/25/2017 12:00	7.09	223.6	9.46	6.778	29.86	0
3/25/2017 12:15	5.63	198.4	21.5	7.701	29.86	0
3/25/2017 12:30	6.018	210.1	32.68	7.589	29.86	0.01
3/25/2017 12:45	4.15	252.4	25.73	7.782	29.86	0
3/25/2017 13:00	3.879	225.4	21.31	7.496	29.85	0
3/25/2017 13:15	4.493	170	29.17	8.55	29.85	0
3/25/2017 13:30	3.884	241.6	49.14	8.18	29.85	0
3/25/2017 13:45	3.461	269.5	25.89	8.22	29.85	0
3/25/2017 14:00	5.932	190.2	16.2	8.22	29.83	0
3/25/2017 14:15	6.376	181.8	7.699	7.851	29.83	0
3/25/2017 14:30	6.011	193.7	17.49	7.961	29.83	0
3/25/2017 14:45	9.77	243.5	11.89	8.44	29.83	0
3/25/2017 15:00	7.823	230.1	13.69	8.91	29.84	0
3/25/2017 15:15	7.484	210.7	13.05	8.82	29.84	0
3/25/2017 15:30	7.968	216.6	12.77	8.65	29.84	0
3/25/2017 15:45	6.366	159.2	13.91	8.15	29.84	0
3/25/2017 16:00	4.124	199.6	33.26	8.01	29.83	0
3/25/2017 16:15	9.45	241.5	12.09	8.25	29.83	0
3/25/2017 16:30	7.492	220	10.82	8.19	29.83	0
3/25/2017 16:45	6.543	188.8	19.97	7.789	29.83	0
3/25/2017 17:00	5.98	169.7	13.75	7.18	29.82	0
3/25/2017 17:15	4.271	145.6	10.3	6.969	29.82	0
3/25/2017 17:30	4.243	129.7	14.36	6.818	29.82	0
3/25/2017 17:45	3.636	120.8	12.55	6.601	29.82	0
3/25/2017 18:00	1.367	123.4	22.31	6.525	29.81	0
3/25/2017 18:15	3.288	114.5	11.79	6.472	29.81	0
3/25/2017 18:30	3.345	128.5	8.79	6.513	29.81	0
3/25/2017 18:45	3.813	125.6	8.23	6.508	29.81	0
3/25/2017 19:00	4.369	124.5	6.381	6.598	29.8	0
3/25/2017 19:15	3.037	131.3	5.181	6.508	29.8	0
3/25/2017 19:30	2.002	148.4	9.95	6.423	29.8	0
3/25/2017 19:45	1.966	87.4	18.04	6.091	29.8	0
3/25/2017 20:00	3.212	104.9	9.85	5.869	29.78	0
3/25/2017 20:15	3.033	142.5	34.38	5.975	29.78	0
3/25/2017 20:30	4.771	221.3	5.095	6.066	29.78	0
3/25/2017 20:45	6.663	199.7	9.16	5.854	29.78	0
3/25/2017 21:00	5.963	176.5	11.69	5.9	29.77	0
3/25/2017 21:15	3.532	137.2	27.46	5.817	29.77	0
3/25/2017 21:30	1.247	78.67	2.989	5.483	29.77	0
3/25/2017 21:45	2.476	62.39	9.01	5.347	29.77	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/2017 22:00	2.176	89.3	8.02	5.235	29.75	0
3/25/2017 22:15	3.198	120.9	7.602	5.254	29.75	0
3/25/2017 22:30	3.417	117	12.35	5.314	29.75	0
3/25/2017 22:45	3.537	128.1	5.337	5.559	29.75	0
3/25/2017 23:00	3.221	122.1	3.089	5.511	29.72	0
3/25/2017 23:15	3.693	137.7	16.76	5.404	29.72	0
3/25/2017 23:30	4.421	118.2	6.348	5.269	29.72	0
3/25/2017 23:45	4.544	128.4	13.02	5.192	29.72	0
3/26/2017 0:00	4.809	136.8	7.416	5.505	29.69	0
3/26/2017 0:15	4.553	138.7	10.06	5.626	29.69	0
3/26/2017 0:30	3.621	176	31.86	5.568	29.69	0
3/26/2017 0:45	4.457	165.3	23.2	5.623	29.69	0
3/26/2017 1:00	3.975	156.6	8.89	5.548	29.67	0
3/26/2017 1:15	4.439	147.9	10.93	5.638	29.67	0
3/26/2017 1:30	4.53	131.8	9.18	5.645	29.67	0
3/26/2017 1:45	1.655	98.2	12.06	5.087	29.67	0
3/26/2017 2:00	2.05	106.4	9.97	5.253	29.64	0
3/26/2017 2:15	2.329	114.5	5.213	5.461	29.64	0
3/26/2017 2:30	3.266	141	15.59	5.567	29.64	0
3/26/2017 2:45	4.696	133.8	8.17	5.917	29.64	0
3/26/2017 3:00	3.841	143.4	7.987	5.806	29.6	0
3/26/2017 3:15	3.367	124	19.37	5.6	29.6	0
3/26/2017 3:30	4.774	125	10.52	5.518	29.6	0
3/26/2017 3:45	6.055	127.8	7.34	5.908	29.6	0
3/26/2017 4:00	6.403	124.5	9.08	6.046	29.56	0
3/26/2017 4:15	5.539	150.3	19.23	6.258	29.56	0
3/26/2017 4:30	5.041	167.2	18.13	6.344	29.56	0
3/26/2017 4:45	5.11	152.5	16.13	6.283	29.56	0
3/26/2017 5:00	5.396	137.5	11.27	6.316	29.53	0
3/26/2017 5:15	4.342	153	18.64	6.28	29.53	0
3/26/2017 5:30	5.441	158	13.89	6.506	29.53	0
3/26/2017 5:45	5.5	153.8	11.37	6.493	29.53	0
3/26/2017 6:00	5.866	152	18.97	6.532	29.52	0
3/26/2017 6:15	5.219	147.7	20.61	6.628	29.52	0
3/26/2017 6:30	4.31	182.7	17.96	6.375	29.52	0
3/26/2017 6:45	4.443	169	15.49	6.348	29.52	0
3/26/2017 7:00	3.296	179	14.72	6.343	29.52	0
3/26/2017 7:15	5.112	207.6	21.52	6.211	29.52	0
3/26/2017 7:30	4.272	191.2	12.45	6.143	29.52	0
3/26/2017 7:45	3.567	173.9	17.85	6.03	29.52	0
3/26/2017 8:00	2.636	120.5	34.1	5.968	29.51	0
3/26/2017 8:15	2.207	66.91	3.917	5.48	29.51	0
3/26/2017 8:30	2.325	53.32	8.74	5.56	29.51	0
3/26/2017 8:45	1.956	42.35	5.192	5.932	29.51	0.01
3/26/2017 9:00	1.194	41.13	80.2	6.226	29.51	0
3/26/2017 9:15	2.71	78.72	49.65	6.249	29.51	0.01
3/26/2017 9:30	2.202	80.3	18.39	6.111	29.51	0
3/26/2017 9:45	2.147	75.47	21.53	6.225	29.51	0
3/26/2017 10:00	2.755	36.79	11.38	6.214	29.48	0
3/26/2017 10:15	2.278	73.69	14.01	6.377	29.48	0
3/26/2017 10:30	3.021	78.5	10.94	6.56	29.48	0
3/26/2017 10:45	3.087	102.7	11	7.206	29.48	0
3/26/2017 11:00	4.805	109.8	9.78	7.744	29.44	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/26/2017 11:15	5.53	127.6	15.21	8.24	29.44	0
3/26/2017 11:30	5.435	131.5	13.15	8.76	29.44	0
3/26/2017 11:45	4.884	91.3	15.69	8.95	29.44	0
3/26/2017 12:00	4.777	111.4	17.77	9.08	29.41	0
3/26/2017 12:15	8.97	132.4	11.81	9.36	29.41	0
3/26/2017 12:30	11.07	135.3	12.08	9.15	29.41	0
3/26/2017 12:45	7.855	138.1	12.03	8.77	29.41	0.01
3/26/2017 13:00	5.49	159.1	9.73	8.62	29.42	0.01
3/26/2017 13:15	3.687	209.3	25.59	8.51	29.42	0.01
3/26/2017 13:30	3.636	207.1	11.53	8.3	29.42	0.03
3/26/2017 13:45	2.036	158.3	32.8	8.18	29.42	0.01
3/26/2017 14:00	2.34	67.49	11.06	7.967	29.42	0.02
3/26/2017 14:15	3.414	102.8	18.73	7.918	29.42	0.01
3/26/2017 14:30	5.113	139.9	8.81	7.84	29.42	0.01
3/26/2017 14:45	5.263	140.4	9.34	7.691	29.42	0.02
3/26/2017 15:00	6.217	136.9	8.49	7.539	29.4	0.03
3/26/2017 15:15	7.987	128.2	8.18	7.39	29.4	0.02
3/26/2017 15:30	8.47	125	8.83	7.226	29.4	0.03
3/26/2017 15:45	7.367	127.1	8.69	7.223	29.4	0.02
3/26/2017 16:00	6.735	126.5	10.07	7.362	29.4	0
3/26/2017 16:15	6.837	117.2	9.72	7.322	29.4	0.01
3/26/2017 16:30	7.927	114.2	11.98	7.262	29.4	0
3/26/2017 16:45	9.31	115.1	11.59	7.269	29.4	0.01
3/26/2017 17:00	9.98	121.1	10.25	7.376	29.38	0
3/26/2017 17:15	10.5	123.5	10.64	7.472	29.38	0
3/26/2017 17:30	10.76	127.6	11.01	7.515	29.38	0
3/26/2017 17:45	10.68	134.3	9.83	7.468	29.38	0.01
3/26/2017 18:00	10.61	138.6	10.01	7.494	29.4	0
3/26/2017 18:15	8.94	148.7	11.6	7.289	29.4	0.01
3/26/2017 18:30	8.03	159	12.48	7.019	29.4	0.01
3/26/2017 18:45	6.925	174.7	17.36	6.82	29.4	0.02
3/26/2017 19:00	7.248	167.2	15.12	6.625	29.45	0.02
3/26/2017 19:15	6.701	153.2	8.73	6.416	29.45	0.03
3/26/2017 19:30	5.335	148.3	9.49	6.35	29.45	0.03
3/26/2017 19:45	8.14	148.4	7.951	6.392	29.45	0.02
3/26/2017 20:00	8.87	147.9	9.42	6.53	29.47	0.02
3/26/2017 20:15	8.98	145.5	8.85	6.505	29.47	0.03
3/26/2017 20:30	8.96	148.3	8.49	6.446	29.47	0.02
3/26/2017 20:45	8.72	145.6	7.842	6.345	29.47	0.03
3/26/2017 21:00	9.55	142	9.27	6.206	29.49	0.01
3/26/2017 21:15	10.08	144.1	8.75	6.155	29.49	0.02
3/26/2017 21:30	9.72	153.2	8.64	6.118	29.49	0.03
3/26/2017 21:45	8.31	153.5	8.12	6.054	29.49	0.01
3/26/2017 22:00	9.19	161.2	9.18	6.037	29.51	0.01
3/26/2017 22:15	9.26	153.2	7.363	5.986	29.51	0.02
3/26/2017 22:30	6.928	150.8	8.72	5.835	29.51	0
3/26/2017 22:45	8.85	156.2	7.276	5.775	29.51	0
3/26/2017 23:00	9.32	159.8	7.038	5.827	29.54	0
3/26/2017 23:15	8.52	157.8	6.613	5.859	29.54	0
3/26/2017 23:30	6.733	153	6.385	5.767	29.54	0
3/26/2017 23:45	6.527	158	6.345	5.615	29.54	0
3/27/2017 0:00	6.83	160.5	4.908	5.68	29.57	0
3/27/2017 0:15	6.622	156	6.215	5.789	29.57	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/27/2017 0:30	5.667	155.6	6.591	5.848	29.57	0
3/27/2017 0:45	6.517	173.7	9.08	5.95	29.57	0.02
3/27/2017 1:00	3.916	155.5	17.08	5.888	29.58	0
3/27/2017 1:15	4.426	122.2	8.51	5.595	29.58	0
3/27/2017 1:30	6.189	135.5	5.657	5.722	29.58	0
3/27/2017 1:45	6.5	135.3	6.805	5.979	29.58	0
3/27/2017 2:00	6.752	138.4	8.48	6.141	29.6	0
3/27/2017 2:15	7.411	139.5	7.964	6.19	29.6	0
3/27/2017 2:30	6.638	141.4	6.273	6.149	29.6	0
3/27/2017 2:45	6.248	148.4	6.307	6.171	29.6	0
3/27/2017 3:00	8.27	156.7	9.58	6.308	29.61	0
3/27/2017 3:15	7.907	167.2	6.611	6.425	29.61	0
3/27/2017 3:30	5.906	151	8.06	6.313	29.61	0
3/27/2017 3:45	5.052	147	6.922	6.407	29.61	0
3/27/2017 4:00	4.38	143	5.079	6.401	29.62	0
3/27/2017 4:15	6.334	153	7.428	6.551	29.62	0
3/27/2017 4:30	5.954	166	8.28	6.474	29.62	0
3/27/2017 4:45	7.409	166.8	7.789	6.652	29.62	0
3/27/2017 5:00	6.16	173.1	10.64	6.56	29.66	0
3/27/2017 5:15	6.15	183.4	11.18	6.561	29.66	0
3/27/2017 5:30	5.377	189.1	6.783	6.519	29.66	0
3/27/2017 5:45	4.613	166.8	9.13	6.327	29.66	0
3/27/2017 6:00	7.44	186.7	9.42	6.574	29.69	0.01
3/27/2017 6:15	7.049	174.3	11.06	6.436	29.69	0
3/27/2017 6:30	7.437	159.9	6.312	6.229	29.69	0
3/27/2017 6:45	8.22	159.7	8.65	6.31	29.69	0
3/27/2017 7:00	6.699	149.7	7.972	6.142	29.72	0
3/27/2017 7:15	6.626	142.4	9.91	6.197	29.72	0
3/27/2017 7:30	7.707	149.4	8.1	6.208	29.72	0
3/27/2017 7:45	8.44	156.9	8.49	6.593	29.72	0
3/27/2017 8:00	8.05	156.6	8.21	6.772	29.75	0
3/27/2017 8:15	7.652	160.3	7.605	6.8	29.75	0
3/27/2017 8:30	7.119	173.8	12.14	7.023	29.75	0
3/27/2017 8:45	5.681	168.7	12.32	7.413	29.75	0
3/27/2017 9:00	5.99	184.8	13.75	7.474	29.8	0
3/27/2017 9:15	7.337	192.8	10.94	7.503	29.8	0
3/27/2017 9:30	7.984	190.8	9.83	7.667	29.8	0
3/27/2017 9:45	10.2	197.7	6.95	7.789	29.8	0
3/27/2017 10:00	11.28	207.5	8.99	8.13	29.83	0
3/27/2017 10:15	9.52	195.2	12.59	8.26	29.83	0
3/27/2017 10:30	10.29	192.3	8.2	8.16	29.83	0
3/27/2017 10:45	9.63	196.7	16.94	7.856	29.83	0
3/27/2017 11:00	8.71	214.3	10.78	8.67	29.86	0
3/27/2017 11:15	13.12	212.2	10.81	9.73	29.86	0
3/27/2017 11:30	15.77	210.4	10.2	9.48	29.86	0.01
3/27/2017 11:45	9.16	231.8	9.96	9.05	29.86	0
3/27/2017 12:00	12.31	217.2	15.04	10.24	29.87	0
3/27/2017 12:15	15.97	223.8	11.28	10.33	29.87	0
3/27/2017 12:30	11.64	241	12.74	10.24	29.87	0
3/27/2017 12:45	13.45	214.4	15.33	10.62	29.87	0
3/27/2017 13:00	15.2	222.3	12.89	10.53	29.89	0
3/27/2017 13:15	15.1	252.4	16.11	9.21	29.89	0.02
3/27/2017 13:30	14.57	246.5	12.23	8.22	29.89	0.02

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/27/2017 13:45	10.48	233.9	8.96	8.44	29.89	0
3/27/2017 14:00	9.29	234	11.49	8.93	29.93	0
3/27/2017 14:15	15.69	224.3	11.34	8.62	29.93	0
3/27/2017 14:30	12.72	216	8.63	8.32	29.93	0
3/27/2017 14:45	10.04	213.8	10.16	8.48	29.93	0
3/27/2017 15:00	9.96	214	11.34	8.88	29.95	0
3/27/2017 15:15	10.82	209.9	13.24	9.09	29.95	0
3/27/2017 15:30	12	192	9.36	8.94	29.95	0
3/27/2017 15:45	13.32	192.2	9.65	8.81	29.95	0
3/27/2017 16:00	14.1	203	9	8.58	29.95	0
3/27/2017 16:15	10.15	191.3	10.99	8.63	29.95	0
3/27/2017 16:30	9.78	196.3	9.67	8.63	29.95	0
3/27/2017 16:45	11.19	191.4	8.48	8.6	29.95	0
3/27/2017 17:00	13.15	190.1	8.88	8.59	29.95	0.01
3/27/2017 17:15	11.32	196.8	7.459	8.47	29.95	0
3/27/2017 17:30	10.95	200.8	7.704	8.47	29.95	0
3/27/2017 17:45	10.31	200.5	8.07	8.46	29.95	0
3/27/2017 18:00	10.84	200.6	7.972	8.45	29.97	0
3/27/2017 18:15	9.75	198	8.59	8.31	29.97	0
3/27/2017 18:30	9.47	194.3	10.61	8.23	29.97	0
3/27/2017 18:45	11.25	200.5	9.29	8.21	29.97	0
3/27/2017 19:00	10.59	201.5	7.074	8.1	30	0
3/27/2017 19:15	11.57	201.4	7.687	7.976	30	0
3/27/2017 19:30	11.81	199.8	8.7	7.951	30	0
3/27/2017 19:45	11.59	207.2	8.98	7.864	30	0
3/27/2017 20:00	12.33	200.3	9.46	7.732	30	0
3/27/2017 20:15	12.96	205.7	9.54	7.579	30	0
3/27/2017 20:30	11.11	207.3	9.56	7.433	30	0
3/27/2017 20:45	15.15	216.8	8.91	7.256	30	0
3/27/2017 21:00	14.16	229.2	9.31	6.876	30.02	0.01
3/27/2017 21:15	13.62	230.2	6.441	6.456	30.02	0.01
3/27/2017 21:30	11.62	229.9	5.624	6.329	30.02	0
3/27/2017 21:45	10.04	226.4	6.078	6.285	30.02	0.02
3/27/2017 22:00	9.02	215.4	9.95	6.236	30.04	0.01
3/27/2017 22:15	8.47	212.6	5.505	6.261	30.04	0
3/27/2017 22:30	10.07	206	5.75	6.233	30.04	0.01
3/27/2017 22:45	9.11	193.3	7.674	6.227	30.04	0
3/27/2017 23:00	7.381	181.7	10.38	6.197	30.06	0
3/27/2017 23:15	6.738	159.3	7.994	6.056	30.06	0.01
3/27/2017 23:30	6.774	153.2	6.981	6.003	30.06	0
3/27/2017 23:45	7.052	153.5	6.365	5.937	30.06	0.01
3/28/2017 0:00	7.901	160.7	7.21	5.903	30.06	0.01
3/28/2017 0:15	7.216	153.4	7.225	5.881	30.06	0.02
3/28/2017 0:30	7.773	159	7.846	5.884	30.06	0.01
3/28/2017 0:45	7.494	148.6	6.184	5.83	30.06	0.01
3/28/2017 1:00	7.249	151.1	6.781	5.825	30.06	0
3/28/2017 1:15	7.166	151	7.213	5.825	30.06	0.02
3/28/2017 1:30	8.14	169.4	12.25	5.855	30.06	0.01
3/28/2017 1:45	8.25	164.4	11.1	5.798	30.06	0.01
3/28/2017 2:00	6.386	146.9	8.09	5.634	30.03	0
3/28/2017 2:15	6.007	139.1	7.34	5.618	30.03	0
3/28/2017 2:30	6.472	139.7	10.24	5.689	30.03	0
3/28/2017 2:45	6.265	137.6	8.57	5.718	30.03	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/2017 3:00	8.4	133.1	6.512	5.866	30	0
3/28/2017 3:15	7.952	129.7	7.226	5.997	30	0
3/28/2017 3:30	7.044	134.7	6.568	6.178	30	0
3/28/2017 3:45	6.339	140.3	7.34	6.204	30	0
3/28/2017 4:00	6.614	142	6.707	6.295	30	0
3/28/2017 4:15	6.105	139.8	7.197	6.376	30	0
3/28/2017 4:30	6.811	139	7.233	6.423	30	0
3/28/2017 4:45	6.296	143.8	7.224	6.404	30	0
3/28/2017 5:00	6.14	144.3	8.85	6.5	30.01	0
3/28/2017 5:15	6.959	154.4	6.597	6.407	30.01	0.01
3/28/2017 5:30	9.34	160	9.19	6.267	30.01	0.01
3/28/2017 5:45	9.43	159.9	10.28	6.127	30.01	0
3/28/2017 6:00	7.502	137.6	8.22	5.958	29.98	0
3/28/2017 6:15	8.36	127.7	8.1	5.887	29.98	0
3/28/2017 6:30	9.31	133.6	8	5.923	29.98	0.01
3/28/2017 6:45	10.51	135.1	7.03	6.013	29.98	0
3/28/2017 7:00	9.9	135.5	7.732	6.212	29.99	0
3/28/2017 7:15	9.38	136.9	7.537	6.424	29.99	0
3/28/2017 7:30	8.98	142.9	7.634	6.615	29.99	0
3/28/2017 7:45	8.83	140.8	6.7	6.822	29.99	0
3/28/2017 8:00	8.15	144.4	8.24	7.035	29.99	0
3/28/2017 8:15	8.07	144.1	7.759	7.166	29.99	0
3/28/2017 8:30	8.59	146.3	8.09	7.395	29.99	0
3/28/2017 8:45	9.35	149.3	7.56	7.542	29.99	0
3/28/2017 9:00	10.03	154.6	7.754	7.773	29.99	0.01
3/28/2017 9:15	9.4	171	8.21	7.819	29.99	0
3/28/2017 9:30	10.81	171.2	11.11	7.861	29.99	0
3/28/2017 9:45	10.27	181.8	9.95	8.01	29.99	0
3/28/2017 10:00	10.11	184.5	10.51	7.886	30.02	0.01
3/28/2017 10:15	10.45	181	11.51	7.871	30.02	0
3/28/2017 10:30	10.77	178.9	9.44	7.945	30.02	0
3/28/2017 10:45	11.38	172.8	12.13	7.996	30.02	0
3/28/2017 11:00	10.73	166.4	10.53	8.1	30.01	0
3/28/2017 11:15	9.99	152.7	9.23	8.11	30.01	0
3/28/2017 11:30	7.997	149.7	10.63	8.19	30.01	0
3/28/2017 11:45	6.353	128.8	8.88	8.16	30.01	0
3/28/2017 12:00	9.11	129.9	8.63	8.26	30	0
3/28/2017 12:15	8.53	139.5	9.33	8.71	30	0
3/28/2017 12:30	7.755	152.6	9.44	9.01	30	0
3/28/2017 12:45	5.78	148.3	9.64	9	30	0.01
3/28/2017 13:00	6.692	154.6	12.4	9	30	0
3/28/2017 13:15	7.081	161.3	9.93	9.16	30	0
3/28/2017 13:30	9.7	180	11.29	9.48	30	0
3/28/2017 13:45	11.79	184.3	9.8	9.65	30	0
3/28/2017 14:00	12.95	191.1	10.49	9.55	30	0
3/28/2017 14:15	14.21	190.8	9.75	9.59	30	0
3/28/2017 14:30	12.54	189.4	8.73	9.6	30	0
3/28/2017 14:45	10.77	181.5	11.96	9.68	30	0
3/28/2017 15:00	11.1	187.3	8.49	9.77	30	0
3/28/2017 15:15	10.2	184.7	8.41	9.89	30	0
3/28/2017 15:30	10.67	184.1	11.45	10.09	30	0
3/28/2017 15:45	12.86	184.7	8.73	10.23	30	0
3/28/2017 16:00	15.08	189.9	10.41	10.28	29.98	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/2017 16:15	13.2	190.2	11.02	10.3	29.98	0
3/28/2017 16:30	11.82	187.8	10.14	10.26	29.98	0
3/28/2017 16:45	8.97	183	10.11	10.3	29.98	0
3/28/2017 17:00	11.13	188.5	8.09	10.44	29.97	0
3/28/2017 17:15	11.04	193	7.908	10.39	29.97	0
3/28/2017 17:30	11.37	200.8	7.622	10.22	29.97	0
3/28/2017 17:45	10.12	202.5	7.78	9.99	29.97	0
3/28/2017 18:00	8.77	187.8	10.2	9.85	29.96	0
3/28/2017 18:15	7.939	177.3	10.37	9.62	29.96	0
3/28/2017 18:30	7.647	168.3	12.41	9.34	29.96	0
3/28/2017 18:45	7.946	169.1	13.26	9.11	29.96	0
3/28/2017 19:00	6.933	174.6	11.96	9.13	29.97	0
3/28/2017 19:15	4.771	166.3	22.7	9.04	29.97	0
3/28/2017 19:30	3.099	125.6	12.49	8.62	29.97	0
3/28/2017 19:45	5.653	137	6.981	8.96	29.97	0
3/28/2017 20:00	5.811	145.5	7.939	9.23	29.96	0
3/28/2017 20:15	4.435	135.5	8.25	9.37	29.96	0
3/28/2017 20:30	4.108	142.5	14.83	9.43	29.96	0
3/28/2017 20:45	5.708	183.8	11.11	9.5	29.96	0
3/28/2017 21:00	5.3	171.6	20.53	9.22	29.95	0
3/28/2017 21:15	5.23	139.3	5.528	8.87	29.95	0
3/28/2017 21:30	5.567	141.9	7.497	8.87	29.95	0.01
3/28/2017 21:45	6.257	148.3	7.764	8.67	29.95	0
3/28/2017 22:00	5.694	148.4	7.858	8.35	29.93	0.01
3/28/2017 22:15	5.427	138.1	7.229	8.18	29.93	0
3/28/2017 22:30	6.269	136.2	7.289	8	29.93	0.01
3/28/2017 22:45	6.629	136.7	13.34	7.817	29.93	0.01
3/28/2017 23:00	5.544	150.8	9.1	7.679	29.89	0.01
3/28/2017 23:15	5.559	161.5	13.11	7.579	29.89	0.01
3/28/2017 23:30	4.918	158.6	13.29	7.33	29.89	0.02
3/28/2017 23:45	3.997	136.3	9.61	7.213	29.89	0.02
3/29/2017 0:00	2.005	91.5	14.78	7.157	29.87	0.02
3/29/2017 0:15	1.582	112.3	23.79	7.149	29.87	0.01
3/29/2017 0:30	2.298	115.1	18.5	7.186	29.87	0.02
3/29/2017 0:45	1.861	97.8	8.96	7.032	29.87	0.01
3/29/2017 1:00	0.907	68.29	7.022	6.994	29.83	0.02
3/29/2017 1:15	1.606	84	18.4	6.961	29.83	0.02
3/29/2017 1:30	2.289	138.7	54.86	6.998	29.83	0
3/29/2017 1:45	3.439	142.9	14.81	6.891	29.83	0.01
3/29/2017 2:00	2.774	132.5	21.48	6.845	29.76	0.01
3/29/2017 2:15	3.828	103.2	16.54	6.819	29.76	0.01
3/29/2017 2:30	4.66	99	11.37	6.781	29.76	0.01
3/29/2017 2:45	5.332	106.7	10.06	7.091	29.76	0
3/29/2017 3:00	5.239	116.1	9.28	7.448	29.71	0.02
3/29/2017 3:15	4.367	98.4	15.65	7.168	29.71	0.02
3/29/2017 3:30	4.623	87.3	15.02	6.942	29.71	0.03
3/29/2017 3:45	6.733	106.6	17.4	7.064	29.71	0.02
3/29/2017 4:00	8.24	120.1	17.71	7.082	29.63	0.02
3/29/2017 4:15	13.09	127.7	10.27	7.501	29.63	0.02
3/29/2017 4:30	12.58	127.8	9.34	7.557	29.63	0.01
3/29/2017 4:45	11.52	133.1	10.32	7.56	29.63	0.02
3/29/2017 5:00	10.61	139.8	10.84	7.533	29.6	0.01
3/29/2017 5:15	10.56	145	11.46	7.348	29.6	0.01

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/29/2017 5:30	12.99	133	8.49	7.31	29.6	0.01
3/29/2017 5:45	11.6	137.3	9.35	7.233	29.6	0.02
3/29/2017 6:00	12.53	135.8	9.29	7.104	29.58	0.01
3/29/2017 6:15	11.73	136	10.31	6.822	29.58	0.01
3/29/2017 6:30	11	130.9	9.42	6.828	29.58	0.01
3/29/2017 6:45	11.55	131.3	9.8	6.967	29.58	0.01
3/29/2017 7:00	12.01	131	8.82	7.041	29.56	0.01
3/29/2017 7:15	12.86	132.2	8.78	7.269	29.56	0.01
3/29/2017 7:30	13.1	132.7	8.27	7.534	29.56	0.01
3/29/2017 7:45	13.31	134.6	8.36	7.862	29.56	0
3/29/2017 8:00	12.21	135.7	8.79	8.28	29.53	0.01
3/29/2017 8:15	11.87	136.6	8.01	8.68	29.53	0
3/29/2017 8:30	11.28	137.3	7.779	9.03	29.53	0
3/29/2017 8:45	11.09	144.6	10.58	9.42	29.53	0
3/29/2017 9:00	11.41	151.6	10.51	9.91	29.52	0
3/29/2017 9:15	10.76	159.6	10.74	10.22	29.52	0
3/29/2017 9:30	10.69	173.3	10.99	10.7	29.52	0
3/29/2017 9:45	9.44	181.1	8.56	11.01	29.52	0
3/29/2017 10:00	13.16	186.7	10.28	11.47	29.54	0
3/29/2017 10:15	14.58	192.5	11.56	11.71	29.54	0
3/29/2017 10:30	17.52	193.8	9.81	12.13	29.54	0
3/29/2017 10:45	17.05	190.7	10.27	12.32	29.54	0
3/29/2017 11:00	17.36	196.8	9.73	12.29	29.55	0
3/29/2017 11:15	16.26	204.7	7.587	12.04	29.55	0.01
3/29/2017 11:30	17.1	202	8.83	12.38	29.55	0
3/29/2017 11:45	17.65	206.7	6.916	12.27	29.55	0
3/29/2017 12:00	15.82	208.4	8.14	12.02	29.56	0
3/29/2017 12:15	20.21	209.5	10.77	12.27	29.56	0
3/29/2017 12:30	21.53	215.4	9.62	12.53	29.56	0
3/29/2017 12:45	16.71	216.9	9.87	12.54	29.56	0
3/29/2017 13:00	16.89	224.9	8.82	12.23	29.57	0.02
3/29/2017 13:15	17.21	228.9	8.28	11.62	29.57	0
3/29/2017 13:30	18.49	228.5	8.4	11.99	29.57	0
3/29/2017 13:45	21.5	223.8	7.748	12.29	29.57	0
3/29/2017 14:00	22.16	233.6	7.91	11.54	29.58	0.01
3/29/2017 14:15	22.9	229.1	7.811	10.94	29.58	0.01
3/29/2017 14:30	19.44	235.1	10.1	11.04	29.58	0
3/29/2017 14:45	18.62	237.9	9.44	10.61	29.58	0
3/29/2017 15:00	15.7	226.3	9.77	10.83	29.6	0
3/29/2017 15:15	14.86	222.1	11.43	11.19	29.6	0
3/29/2017 15:30	12.54	230	13	11.27	29.6	0
3/29/2017 15:45	14.36	244.5	13.01	11.22	29.6	0
3/29/2017 16:00	15.19	243.1	8.45	11.02	29.62	0
3/29/2017 16:15	17.65	239	10.3	10.92	29.62	0
3/29/2017 16:30	14.82	240.9	11.82	10.53	29.62	0
3/29/2017 16:45	13.67	226.2	12.35	10.49	29.62	0
3/29/2017 17:00	15.83	223.6	10.44	10.32	29.64	0
3/29/2017 17:15	18.45	221.5	10.67	10.1	29.64	0
3/29/2017 17:30	17.35	225.6	9.58	9.79	29.64	0
3/29/2017 17:45	13.59	235.5	12.83	9.89	29.64	0
3/29/2017 18:00	18.09	232.5	9.69	9.44	29.65	0
3/29/2017 18:15	18.1	230.3	7.905	9.14	29.65	0
3/29/2017 18:30	16.62	231.8	8.15	8.9	29.65	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/29/2017 18:45	16.02	232.5	9.5	8.63	29.65	0
3/29/2017 19:00	14.09	225.4	9.24	8.45	29.66	0
3/29/2017 19:15	11.98	232.5	10.91	8.36	29.66	0
3/29/2017 19:30	12.25	234.3	9.98	8.15	29.66	0
3/29/2017 19:45	13.43	225.6	9.33	7.783	29.66	0
3/29/2017 20:00	13.05	227.5	7.607	7.516	29.7	0
3/29/2017 20:15	12.64	217.6	7.976	7.151	29.7	0
3/29/2017 20:30	14.52	217.2	7.235	6.911	29.7	0
3/29/2017 20:45	10.69	218.6	10.19	6.774	29.7	0
3/29/2017 21:00	9.14	234.3	10.21	6.751	29.72	0
3/29/2017 21:15	10.03	217.9	10.72	6.717	29.72	0
3/29/2017 21:30	8.73	214.8	12.07	6.832	29.72	0
3/29/2017 21:45	8.65	182	10.58	6.745	29.72	0
3/29/2017 22:00	8.93	187.4	9.5	6.662	29.73	0
3/29/2017 22:15	10.77	183.8	10.01	6.554	29.73	0
3/29/2017 22:30	10.43	190.9	11.11	6.521	29.73	0
3/29/2017 22:45	9.64	193.9	8.16	6.473	29.73	0
3/29/2017 23:00	9.3	193.6	11.1	6.445	29.75	0
3/29/2017 23:15	10.82	196.4	8.27	6.343	29.75	0
3/29/2017 23:30	12.22	199.3	9.9	6.248	29.75	0
3/29/2017 23:45	9.19	204.2	9.38	6.089	29.75	0
3/30/2017 0:00	9.24	207	9.08	5.989	29.75	0.01
3/30/2017 0:15	8.13	199.9	8.8	5.862	29.75	0
3/30/2017 0:30	6.435	204.6	9.66	5.769	29.75	0
3/30/2017 0:45	4.901	178.1	15.11	5.621	29.75	0.01
3/30/2017 1:00	2.967	161.3	28.32	5.546	29.76	0
3/30/2017 1:15	4.523	182	13.09	5.532	29.76	0.01
3/30/2017 1:30	4.369	201.8	10.2	5.585	29.76	0
3/30/2017 1:45	4.087	184.7	21.11	5.557	29.76	0
3/30/2017 2:00	3.479	196.2	15.85	5.607	29.78	0
3/30/2017 2:15	2.502	193.1	30.45	5.603	29.78	0
3/30/2017 2:30	0.605	76.02	38.8	5.332	29.78	0
3/30/2017 2:45	2.142	39.46	5.617	5.179	29.78	0
3/30/2017 3:00	3.202	49.38	9.25	4.968	29.79	0.03
3/30/2017 3:15	2.154	37.88	8.54	4.843	29.79	0
3/30/2017 3:30	2.135	49.61	12.17	4.861	29.79	0.04
3/30/2017 3:45	5.926	37.9	6.107	4.638	29.79	0.01
3/30/2017 4:00	6.864	32.69	5.651	4.445	29.81	0.05
3/30/2017 4:15	6.317	44.68	7.265	4.342	29.81	0.02
3/30/2017 4:30	5.867	73.4	7.173	4.378	29.81	0.02
3/30/2017 4:45	4.802	93.2	15.42	4.429	29.81	0
3/30/2017 5:00	2.746	148.9	13.63	4.38	29.81	0
3/30/2017 5:15	4.236	161.8	8.36	4.413	29.81	0
3/30/2017 5:30	3.809	181.6	24.37	4.438	29.81	0
3/30/2017 5:45	4.651	187.2	13.02	4.466	29.81	0
3/30/2017 6:00	3.369	90.2	50.84	4.286	29.84	0
3/30/2017 6:15	3.968	144.9	84.2	4.237	29.84	0
3/30/2017 6:30	2.824	142.9	39.22	4.209	29.84	0
3/30/2017 6:45	3.56	146.2	18.39	4.239	29.84	0
3/30/2017 7:00	2.929	77.6	38.35	4.304	29.87	0
3/30/2017 7:15	3.805	93.7	17.87	4.216	29.87	0
3/30/2017 7:30	3.732	122.9	7.719	4.372	29.87	0
3/30/2017 7:45	3.752	110.5	6.647	4.559	29.87	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/2017 8:00	3.97	113.1	9.93	4.655	29.9	0
3/30/2017 8:15	2.415	146	13.92	5.13	29.9	0
3/30/2017 8:30	3.242	189.2	41.52	5.351	29.9	0
3/30/2017 8:45	3.682	199.8	23.48	5.472	29.9	0
3/30/2017 9:00	3.95	211.7	13.17	5.607	29.96	0
3/30/2017 9:15	2.357	212	25.04	5.827	29.96	0
3/30/2017 9:30	3.542	213.9	17.8	5.876	29.96	0.01
3/30/2017 9:45	3.36	205.4	11.93	6.153	29.96	0
3/30/2017 10:00	3.672	199.7	16.98	6.287	29.99	0
3/30/2017 10:15	2.442	154.7	24.67	6.766	29.99	0
3/30/2017 10:30	3.545	117.4	41.86	7.331	29.99	0
3/30/2017 10:45	1.399	109.9	46.49	7.535	29.99	0
3/30/2017 11:00	1.753	134.8	49.98	7.878	30.01	0
3/30/2017 11:15	1.772	15.87	72.65	8.63	30.01	0
3/30/2017 11:30	2.885	303.4	34.07	8.95	30.01	0
3/30/2017 11:45	2.835	24.15	45.44	8.56	30.01	0
3/30/2017 12:00	4.601	1.536	17.28	8.89	30	0
3/30/2017 12:15	5.646	325.5	22.85	9.82	30	0
3/30/2017 12:30	6.873	321.2	18.08	9.97	30	0
3/30/2017 12:45	7.364	23.78	26.29	9.2	30	0
3/30/2017 13:00	9.57	35.19	10.74	8.68	30	0
3/30/2017 13:15	11.77	31.38	9.38	8.26	30	0
3/30/2017 13:30	9.17	37.34	10.3	8.21	30	0
3/30/2017 13:45	8.48	34.24	12.68	8.5	30	0
3/30/2017 14:00	9.82	29.78	16.3	8.17	30.02	0
3/30/2017 14:15	7.867	22.35	10.47	7.399	30.02	0
3/30/2017 14:30	6.226	34.92	7.389	7.673	30.02	0
3/30/2017 14:45	5.47	29.95	20.03	8.18	30.02	0
3/30/2017 15:00	7.647	34.61	17.1	8.62	30.03	0
3/30/2017 15:15	8.24	12.1	16.61	8.95	30.03	0
3/30/2017 15:30	7.096	29.01	9.13	8.68	30.03	0
3/30/2017 15:45	3.97	27.52	7.627	8.97	30.03	0
3/30/2017 16:00	2.765	27.18	16.59	9.36	30.04	0
3/30/2017 16:15	3.644	19	19.11	9.85	30.04	0
3/30/2017 16:30	4.902	21.88	15.3	9.82	30.04	0
3/30/2017 16:45	4.044	328.1	17.09	10.16	30.04	0
3/30/2017 17:00	5.275	317.9	6.327	9.88	30.04	0
3/30/2017 17:15	4.451	359.5	23.17	9.49	30.04	0
3/30/2017 17:30	4.226	35.86	8.36	9.45	30.04	0
3/30/2017 17:45	3.482	28.81	7.675	8.93	30.04	0
3/30/2017 18:00	3.579	13.36	5.984	8.78	30.04	0
3/30/2017 18:15	3.49	17.66	6.067	8.88	30.04	0
3/30/2017 18:30	3.76	26.85	3.281	8.59	30.04	0
3/30/2017 18:45	1.984	25.36	4.587	8.28	30.04	0
3/30/2017 19:00	1.987	14.92	0.193	8.27	30.06	0
3/30/2017 19:15	2.419	15.53	0.903	8.04	30.06	0
3/30/2017 19:30	3.913	30.53	6.382	7.346	30.06	0
3/30/2017 19:45	3.511	41.09	2.891	6.88	30.06	0
3/30/2017 20:00	3.431	45.06	3.193	6.559	30.1	0
3/30/2017 20:15	3.254	55.54	6.486	6.663	30.1	0
3/30/2017 20:30	2.413	79.86	9.36	6.839	30.1	0
3/30/2017 20:45	0.901	91.1	5.154	6.925	30.1	0
3/30/2017 21:00	1.066	103.8	0.193	6.806	30.11	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/2017 21:15	2.535	103.5	0.09	5.765	30.11	0
3/30/2017 21:30	1.33	103.5	0.184	5.874	30.11	0
3/30/2017 21:45	0.14	103.5	0.012	6.303	30.11	0
3/30/2017 22:00	0.506	103.5	0.148	5.825	30.14	0
3/30/2017 22:15	2.472	57.96	18.06	4.89	30.14	0
3/30/2017 22:30	3.977	55.1	3.951	4.894	30.14	0
3/30/2017 22:45	4.658	41.11	9.99	4.855	30.14	0
3/30/2017 23:00	6.919	29.09	3.636	4.803	30.13	0
3/30/2017 23:15	6.23	28.27	4.66	4.726	30.13	0
3/30/2017 23:30	6.926	24.71	8.32	4.977	30.13	0
3/30/2017 23:45	4.633	35.94	8.15	4.184	30.13	0
3/31/2017 0:00	4.866	36.43	6.127	3.772	30.15	0
3/31/2017 0:15	4.729	30.13	7.599	4.012	30.15	0
3/31/2017 0:30	3.776	40.92	13.06	4.167	30.15	0
3/31/2017 0:45	3.263	76.51	13.28	4.197	30.15	0
3/31/2017 1:00	1.899	121.4	19.72	4.335	30.15	0
3/31/2017 1:15	2.447	173	25.15	5.223	30.15	0
3/31/2017 1:30	2.494	141.1	9.05	4.193	30.15	0
3/31/2017 1:45	3.626	146.5	11.27	4.297	30.15	0
3/31/2017 2:00	3.634	195.1	22.15	3.599	30.15	0
3/31/2017 2:15	4.195	190.5	14.09	3.266	30.15	0
3/31/2017 2:30	2.836	157.8	15.46	3.619	30.15	0
3/31/2017 2:45	4.148	130.2	5.456	3.942	30.15	0
3/31/2017 3:00	4.949	137.1	8.38	4.141	30.16	0
3/31/2017 3:15	4.568	161.5	8.45	3.928	30.16	0
3/31/2017 3:30	4.002	158.5	11.16	3.623	30.16	0
3/31/2017 3:45	4.535	162.8	9.89	3.455	30.16	0
3/31/2017 4:00	5.014	162.7	7.529	4.048	30.16	0
3/31/2017 4:15	1.904	167.4	10.1	3.938	30.16	0
3/31/2017 4:30	0.023	153.1	0.022	3.158	30.16	0
3/31/2017 4:45	1.014	73.48	16.77	3.389	30.16	0
3/31/2017 5:00	1.965	129	28.96	3.916	30.17	0
3/31/2017 5:15	2.499	221.8	15.17	3.486	30.17	0
3/31/2017 5:30	3.315	166.3	24.33	3.303	30.17	0
3/31/2017 5:45	3.489	125.6	14.17	3.425	30.17	0
3/31/2017 6:00	2.982	125.9	14.29	3.539	30.17	0
3/31/2017 6:15	3.43	155.9	8.36	3.949	30.17	0
3/31/2017 6:30	3.816	220.4	15.76	3.786	30.17	0
3/31/2017 6:45	3.95	202.6	16.37	3.456	30.17	0
3/31/2017 7:00	3.166	187.2	14.7	3.568	30.19	0
3/31/2017 7:15	2.832	187.4	12.91	3.631	30.19	0
3/31/2017 7:30	2.723	139.6	19.26	4.107	30.19	0
3/31/2017 7:45	2.588	140	23.88	4.516	30.19	0
3/31/2017 8:00	3.834	215.8	15.3	3.87	30.21	0
3/31/2017 8:15	3.882	208.5	6.656	4.103	30.21	0
3/31/2017 8:30	3.719	199.6	13.67	4.575	30.21	0
3/31/2017 8:45	2.992	168.7	18.82	5.635	30.21	0
3/31/2017 9:00	3.031	175.6	25.86	6.278	30.19	0
3/31/2017 9:15	1.209	261.4	33.64	6.619	30.19	0
3/31/2017 9:30	1.222	302.3	19.25	7.153	30.19	0
3/31/2017 9:45	1.854	236.3	34.49	7.303	30.19	0
3/31/2017 10:00	1.601	264	33.13	8.19	30.21	0
3/31/2017 10:15	2.715	229.7	42.99	8.4	30.21	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/31/2017 10:30	4.573	314.7	30.94	8.38	30.21	0
3/31/2017 10:45	3.175	236.9	26.88	8.84	30.21	0
3/31/2017 11:00	3.101	215	43.86	9.47	30.21	0
3/31/2017 11:15	3.083	212	43.42	9.95	30.21	0
3/31/2017 11:30	3.388	238	44.37	9.98	30.21	0
3/31/2017 11:45	1.394	301.7	26.11	10.26	30.21	0
3/31/2017 12:00	1.608	73.9	28.03	10.12	30.18	0
3/31/2017 12:15	2.374	342.8	24.76	10.41	30.18	0
3/31/2017 12:30	3.263	346.4	20.64	10.8	30.18	0
3/31/2017 12:45	4.806	236.6	44.34	10.96	30.18	0
3/31/2017 13:00	3.494	224.1	28.01	11.36	30.17	0
3/31/2017 13:15	3.237	301.8	72.09	11.8	30.17	0
3/31/2017 13:30	4.509	18.7	20.44	11.42	30.17	0
3/31/2017 13:45	3.023	228.5	28.75	12.1	30.17	0
3/31/2017 14:00	4.279	261.3	15.98	12.3	30.13	0
3/31/2017 14:15	2.869	257.7	44.09	12.34	30.13	0
3/31/2017 14:30	5.162	303	56.63	12.77	30.13	0
3/31/2017 14:45	2.702	307.8	37.67	12.57	30.13	0
3/31/2017 15:00	2.476	328.6	60.26	12.84	30.09	0
3/31/2017 15:15	6.481	263.4	23.96	12.87	30.09	0
3/31/2017 15:30	6.255	265.4	17.69	12.87	30.09	0
3/31/2017 15:45	6.651	281.5	19.67	12.87	30.09	0
3/31/2017 16:00	7.501	270.9	11.91	12.5	30.07	0
3/31/2017 16:15	7.729	284.2	13.2	12.43	30.07	0
3/31/2017 16:30	8.02	296.4	15.05	12.41	30.07	0
3/31/2017 16:45	5.627	297.4	11.99	12.25	30.07	0
3/31/2017 17:00	4.238	322.2	16.25	12.43	30.06	0
3/31/2017 17:15	4.144	301.5	12.69	12.38	30.06	0
3/31/2017 17:30	5.061	266.9	14.37	11.83	30.06	0
3/31/2017 17:45	4.656	299.3	13.61	11.99	30.06	0
3/31/2017 18:00	4.178	305.4	10.59	11.84	30.04	0
3/31/2017 18:15	2.269	322.3	4.324	11.18	30.04	0
3/31/2017 18:30	2.076	304.8	24.2	10.93	30.04	0
3/31/2017 18:45	3.415	275.9	5.386	10.59	30.04	0
3/31/2017 19:00	5.093	298.5	7.081	10.13	30.02	0
3/31/2017 19:15	5.88	318.1	2.192	9.65	30.02	0
3/31/2017 19:30	5.205	314	2.34	9.7	30.02	0
3/31/2017 19:45	4.003	318.5	1.005	9.77	30.02	0
3/31/2017 20:00	1.436	323.5	2.601	10.05	30.03	0
3/31/2017 20:15	0	0	0	9.8	30.03	0
3/31/2017 20:30	0	0	0	9.46	30.03	0
3/31/2017 20:45	0.65	326.9	0.093	9.29	30.03	0
3/31/2017 21:00	1.351	75.96	15.55	9.13	30.04	0
3/31/2017 21:15	3.311	146.3	13.59	9.03	30.04	0
3/31/2017 21:30	3.269	177.9	15.69	9.14	30.04	0
3/31/2017 21:45	4.066	162.9	15.76	9.12	30.04	0
3/31/2017 22:00	5.086	118.2	8.47	8.49	30.02	0
3/31/2017 22:15	6.113	125.3	9.01	8.45	30.02	0
3/31/2017 22:30	6.868	130.8	5.819	8.89	30.02	0
3/31/2017 22:45	5.641	136.3	5.769	9.03	30.02	0
3/31/2017 23:00	4.684	140.8	7.018	9.07	30	0
3/31/2017 23:15	5.736	140.6	7.113	9.09	30	0
3/31/2017 23:30	6.218	140.1	7.222	8.99	30	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/31/2017 23:45	5.577	162.2	11.5	9.11	30	0
12/30/2016 0:00	3.006	159.9	24.54	2.996	29.9	0.03
12/30/2016 0:15	4.119	191.2	18.39	2.847	29.9	0.03
12/30/2016 0:30	4.259	161.9	17.2	2.615	29.9	0.01
12/30/2016 0:45	3.128	127.7	13.11	2.52	29.9	0
12/30/2016 1:00	4.453	152.1	5.421	2.409	29.91	0.02
12/30/2016 1:15	3.532	99	39.64	2.291	29.91	0.01
12/30/2016 1:30	4.722	85.1	13.5	1.846	29.91	0.02
12/30/2016 1:45	5.574	105.7	7.601	1.724	29.91	0.03
12/30/2016 2:00	5.893	127.4	9.5	1.967	29.91	0.01
12/30/2016 2:15	4.945	162.2	9.82	2.041	29.91	0
12/30/2016 2:30	4.271	162.2	8.5	2.059	29.91	0
12/30/2016 2:45	2.873	130.7	16.93	2.01	29.91	0
12/30/2016 3:00	3.091	137.2	14.8	1.896	29.93	0
12/30/2016 3:15	2.576	105.9	8.42	1.802	29.93	0
12/30/2016 3:30	4.246	111.2	17.14	1.685	29.93	0
12/30/2016 3:45	4.806	135.4	7.527	1.715	29.93	0
12/30/2016 4:00	3.833	111.3	16.71	1.593	29.92	0
12/30/2016 4:15	3.81	111.6	24.23	1.53	29.92	0.01
12/30/2016 4:30	3.885	167.5	14.73	1.829	29.92	0
12/30/2016 4:45	3.184	162.8	12.36	2.01	29.92	0
12/30/2016 5:00	2.697	111.9	25.46	1.79	29.93	0
12/30/2016 5:15	2.806	78.02	7.031	1.62	29.93	0
12/30/2016 5:30	4.079	48.63	4.948	1.815	29.93	0.01
12/30/2016 5:45	4.337	59.43	9.85	2.103	29.93	0.02
12/30/2016 6:00	3.571	58.99	15.96	2.473	29.94	0
12/30/2016 6:15	2.61	41.56	15.62	2.362	29.94	0.01
12/30/2016 6:30	3.63	89.2	10.83	2.351	29.94	0
12/30/2016 6:45	3.493	96.3	4.789	2.39	29.94	0
12/30/2016 7:00	3.115	54.1	39.25	2.276	29.97	0.01
12/30/2016 7:15	4.258	7.243	18.43	2.204	29.97	0.01
12/30/2016 7:30	3.848	44.72	8.21	2.195	29.97	0
12/30/2016 7:45	3.871	57.99	7.509	2.019	29.97	0
12/30/2016 8:00	1.1	36.4	4.369	2.071	29.97	0
12/30/2016 8:15	0.618	33.55	0.082	1.956	29.97	0
12/30/2016 8:30	2.179	34	1.223	1.907	29.97	0
12/30/2016 8:45	1.46	46.37	0.402	1.901	29.97	0
12/30/2016 9:00	0.685	46.34	0.028	2.217	30	0.01
12/30/2016 9:15	1.286	46.05	0.04	2.437	30	0
12/30/2016 9:30	0.86	47.57	2.058	2.309	30	0
12/30/2016 9:45	1.064	89.9	10.93	2.457	30	0
12/30/2016 10:00	0.036	95.3	0.206	3.347	30.03	0
12/30/2016 10:15	0.344	96.3	0.08	4.355	30.03	0
12/30/2016 10:30	1.716	47.42	14.08	3.96	30.03	0
12/30/2016 10:45	1.275	28.83	7.087	3.976	30.03	0
12/30/2016 11:00	2.31	13.31	9.26	4.423	30.06	0
12/30/2016 11:15	2.974	16.62	17.14	4.485	30.06	0
12/30/2016 11:30	3.985	32.79	8.11	4.33	30.06	0
12/30/2016 11:45	5.066	30.04	12.62	4.574	30.06	0
12/30/2016 12:00	7.918	29.7	12.87	4.587	30.04	0
12/30/2016 12:15	8.16	28.12	9.49	4.634	30.04	0
12/30/2016 12:30	8.33	34.96	13.5	4.794	30.04	0
12/30/2016 12:45	9.49	39.44	12.5	4.252	30.04	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
12/30/2016 13:00	4.161	19.66	18.42	3.974	30.02	0
12/30/2016 13:15	3.223	325.8	23.13	4.678	30.02	0
12/30/2016 13:30	5.556	6.042	25.62	4.799	30.02	0
12/30/2016 13:45	6.814	32.85	12.64	4.747	30.02	0
12/30/2016 14:00	5.757	18	30.97	4.299	30.02	0
12/30/2016 14:15	5.146	12.19	13.49	4.487	30.02	0
12/30/2016 14:30	5.13	12.01	17.77	4.226	30.02	0
12/30/2016 14:45	3.984	19.02	13.39	4.526	30.02	0
12/30/2016 15:00	4.904	33.44	10.52	4.389	30.03	0
12/30/2016 15:15	5.175	43.24	10.3	4.135	30.03	0
12/30/2016 15:30	4.466	39.08	6.423	4.006	30.03	0
12/30/2016 15:45	4.5	28.05	7.011	3.849	30.03	0
12/30/2016 16:00	3.358	13.66	5.127	3.931	30.03	0
12/30/2016 16:15	3.236	10.24	6.854	3.54	30.03	0
12/30/2016 16:30	3.635	337.7	13.39	3.467	30.03	0
12/30/2016 16:45	3.442	6.868	18.52	3.156	30.03	0
12/30/2016 17:00	4.719	38.17	8.75	2.484	30.03	0
12/30/2016 17:15	5.779	36.55	5.534	2.348	30.03	0
12/30/2016 17:30	5.738	29.65	3.738	2.557	30.03	0
12/30/2016 17:45	4.833	13.26	5.209	2.839	30.03	0
12/30/2016 18:00	3.211	4.823	7.051	2.556	30.04	0
12/30/2016 18:15	1.12	344.8	10.09	1.823	30.04	0
12/30/2016 18:30	1.152	342.4	0.179	2.189	30.04	0
12/30/2016 18:45	1.302	338.1	3.306	2.348	30.04	0
12/30/2016 19:00	0.506	335.5	0.197	1.977	30.02	0
12/30/2016 19:15	0.476	335.6	0.096	2.154	30.02	0
12/30/2016 19:30	1.89	46.95	63.93	1.321	30.02	0
12/30/2016 19:45	1.738	134.6	2.653	0.847	30.02	0
12/30/2016 20:00	0.777	110.4	22.03	1.145	30.01	0
12/30/2016 20:15	0.198	87.5	0.03	0.82	30.01	0
12/30/2016 20:30	0.18	87.5	0.037	1.42	30.01	0
12/30/2016 20:45	0.376	87.5	0.108	1.295	30.01	0
12/30/2016 21:00	0.635	87.5	0.171	1.535	30	0
12/30/2016 21:15	1.918	144.4	19.33	1.145	30	0
12/30/2016 21:30	0.668	31.08	2.473	0.769	30	0
12/30/2016 21:45	1.859	40.11	7.634	1.087	30	0
12/30/2016 22:00	3.066	43.52	1.46	0.786	29.99	0
12/30/2016 22:15	3.403	31.59	5.487	0.521	29.99	0
12/30/2016 22:30	3.453	24.21	0.868	0.525	29.99	0
12/30/2016 22:45	3.222	31.88	7.763	-0.11	29.99	0
12/30/2016 23:00	3.07	33.92	6.32	-0.555	30	0
12/30/2016 23:15	4.082	34.53	8.06	-0.86	30	0
12/30/2016 23:30	4.337	25.3	5.786	-0.469	30	0
12/30/2016 23:45	4.447	33.02	9.07	-0.095	30	0
12/31/2016 0:00	4.791	39.97	5.905	-0.236	30	0
12/31/2016 0:15	3.64	34.53	6.702	-0.092	30	0
12/31/2016 0:30	3.24	36.82	6.469	-0.102	30	0
12/31/2016 0:45	2.01	72.01	61.59	-0.8	30	0
12/31/2016 1:00	3.24	180.2	8.28	-0.713	29.98	0
12/31/2016 1:15	2.831	170.7	8.95	-0.258	29.98	0
12/31/2016 1:30	2.366	153.6	5.066	-0.291	29.98	0
12/31/2016 1:45	1.673	159.2	9.96	-0.235	29.98	0
12/31/2016 2:00	0.711	41.66	28.94	-0.378	29.99	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
12/31/2016 2:15	0.502	63.77	14.43	-0.594	29.99	0
12/31/2016 2:30	2.415	114.3	12.81	-0.964	29.99	0
12/31/2016 2:45	2.72	105.5	5.518	-1.154	29.99	0
12/31/2016 3:00	3.768	132.5	8.24	-0.808	29.94	0
12/31/2016 3:15	3.486	164.6	14.18	-0.881	29.94	0
12/31/2016 3:30	1.935	155.8	31.96	-0.656	29.94	0
12/31/2016 3:45	0.186	213.9	0.08	-1.112	29.94	0
12/31/2016 4:00	0.577	24.04	47.52	-0.432	29.92	0
12/31/2016 4:15	0.129	65.66	0.046	-0.617	29.92	0
12/31/2016 4:30	1.739	70.42	34.79	-1.381	29.92	0
12/31/2016 4:45	4.375	201.3	11.87	-1.592	29.92	0
12/31/2016 5:00	4.894	203.3	13.02	-1.722	29.89	0
12/31/2016 5:15	3.901	220.6	10.91	-1.743	29.89	0
12/31/2016 5:30	4.324	232.1	10.81	-1.733	29.89	0
12/31/2016 5:45	4.299	231.7	14.75	-1.686	29.89	0
12/31/2016 6:00	4.586	190.8	8.01	-1.438	29.88	0
12/31/2016 6:15	4.652	180	6.902	-1.549	29.88	0
12/31/2016 6:30	3.669	143.9	19.1	-1.777	29.88	0
12/31/2016 6:45	2	114.1	40.44	-1.728	29.88	0
12/31/2016 7:00	0.722	2.439	4.504	-1.7	29.86	0
12/31/2016 7:15	0.444	9.77	27.32	-1.564	29.86	0
12/31/2016 7:30	3.04	146.5	14.24	-1.334	29.86	0
12/31/2016 7:45	2.271	83	5.896	-1.442	29.86	0
12/31/2016 8:00	3.476	127.5	9.78	-1.396	29.82	0
12/31/2016 8:15	2.625	133.4	6.564	-1.292	29.82	0
12/31/2016 8:30	1.089	140.3	14.54	-1.138	29.82	0
12/31/2016 8:45	1.614	107.5	26.89	-1.191	29.82	0
12/31/2016 9:00	2.002	94.6	22.43	-1.191	29.78	0
12/31/2016 9:15	0.587	120.1	1.179	-0.821	29.78	0
12/31/2016 9:30	0.841	41.03	23.95	-0.595	29.78	0
12/31/2016 9:45	3.128	81.7	7.586	-0.23	29.78	0
12/31/2016 10:00	5.353	223.2	31.79	-0.786	29.78	0
12/31/2016 10:15	5.621	226.5	5.302	-0.929	29.78	0
12/31/2016 10:30	5.732	209.2	5.418	-0.852	29.78	0
12/31/2016 10:45	6.037	208.6	9.4	-0.716	29.78	0
12/31/2016 11:00	3.101	170.8	25.83	-0.521	29.77	0
12/31/2016 11:15	2.336	67.11	26.36	-0.724	29.77	0
12/31/2016 11:30	3.15	57.34	7.869	-0.654	29.77	0
12/31/2016 11:45	0.671	46.94	0.126	-0.295	29.77	0
12/31/2016 12:00	1.404	47.23	0.097	0.01	29.74	0
12/31/2016 12:15	2.458	69.85	19.48	0.437	29.74	0
12/31/2016 12:30	2.027	93.6	0.758	0.598	29.74	0
12/31/2016 12:45	3.459	127.4	20.73	0.734	29.74	0
12/31/2016 13:00	4.809	141.9	4.753	0.945	29.68	0
12/31/2016 13:15	4.689	140.7	4.479	1.028	29.68	0
12/31/2016 13:30	5.249	180.8	20.08	0.92	29.68	0
12/31/2016 13:45	6.078	175.2	13.55	0.914	29.68	0
12/31/2016 14:00	6.79	158.7	4.92	0.986	29.63	0
12/31/2016 14:15	5.776	159.9	5.691	1.084	29.63	0
12/31/2016 14:30	6.085	152.3	8.69	1.09	29.63	0
12/31/2016 14:45	4.568	145.7	9.38	1.052	29.63	0
12/31/2016 15:00	6.571	145.6	13.03	0.933	29.58	0
12/31/2016 15:15	7.414	157.3	10.42	0.948	29.58	0

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	2 M Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
12/31/2016 15:30	7.492	155.3	11.19	0.981	29.58	0
12/31/2016 15:45	5.995	146.9	8.75	1.051	29.58	0
12/31/2016 16:00	5.45	135.8	7.362	0.996	29.51	0
12/31/2016 16:15	6.229	135.6	7.438	1.102	29.51	0
12/31/2016 16:30	7.947	139.9	7.442	1.43	29.51	0
12/31/2016 16:45	7.523	158.9	16.86	1.631	29.51	0
12/31/2016 17:00	10.76	173.2	13.9	1.514	29.45	0
12/31/2016 17:15	10.48	184	8.34	1.617	29.45	0
12/31/2016 17:30	9.68	180.2	9.99	1.605	29.45	0.01
12/31/2016 17:45	7.104	166.6	13.26	1.436	29.45	0
12/31/2016 18:00	7.161	152.2	10.94	1.306	29.38	0.01
12/31/2016 18:15	6.954	164.4	17.08	1.33	29.38	0.02
12/31/2016 18:30	7.901	186.5	14.32	1.448	29.38	0
12/31/2016 18:45	7.139	192.1	14.12	1.564	29.38	0.01
12/31/2016 19:00	9.65	209.1	11.9	1.81	29.35	0
12/31/2016 19:15	11.62	207.7	10.36	1.873	29.35	0
12/31/2016 19:30	13.15	209.4	9.79	1.908	29.35	0
12/31/2016 19:45	10.89	220.8	8.98	1.865	29.35	0
12/31/2016 20:00	10.57	211	9.96	1.925	29.35	0
12/31/2016 20:15	11.92	198.6	11.11	1.922	29.35	0
12/31/2016 20:30	11.73	194.8	11.45	1.901	29.35	0
12/31/2016 20:45	11.26	199.3	7.516	1.809	29.35	0
12/31/2016 21:00	14.43	197.7	8.61	1.793	29.32	0
12/31/2016 21:15	12.67	199.8	6.832	1.725	29.32	0
12/31/2016 21:30	9.97	191.2	9.83	1.703	29.32	0
12/31/2016 21:45	9.67	192.6	8.25	1.648	29.32	0
12/31/2016 22:00	9.29	172.1	15.01	1.675	29.32	0
12/31/2016 22:15	6.177	166.8	13.57	1.635	29.32	0
12/31/2016 22:30	4.144	174.5	19.35	1.701	29.32	0
12/31/2016 22:45	3.371	210.8	22.94	1.676	29.32	0
12/31/2016 23:00	4.573	271.7	50.74	1.598	29.32	0
12/31/2016 23:15	2.901	324.4	11.31	1.139	29.32	0
12/31/2016 23:30	3.163	257.9	17.67	1.199	29.32	0
12/31/2016 23:45	3.581	252.1	5.719	0.867	29.32	0
1/1/2017 0:00	3.129	238.1	8.79	0.741	29.31	0.01

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL AREA 5 TOP DECK MONITORING REPORT

First Quarter 2017



Department of Natural Resources and Parks
Solid Waste Division

May 2017
Printed on recycled paper

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AREA 5 TOP DECK MONITORING QUARTERLY REPORT

FIRST QUARTER 2017

I. REPORT OVERVIEW

This report provides the quarterly performance analysis of the interim soil cover system over Area 5 in the Cedar Hills Regional Landfill (CHRLF). The intent of the report is to demonstrate that the top deck cover system is functioning to limit infiltration of rainwater, protect surface water quality, and control landfill gas emissions. Monitoring of surface emissions, leachate quantity, and stormwater quality is conducted, and results are presented in this report.

II. LEACHATE MONITORING

Leachate monitoring is performed to demonstrate that the landfill cover system is effectively limiting rainwater infiltration and therefore leachate production.

King County Solid Waste Division (KCSWD) is currently experiencing technical issues with the leachate volume monitoring system for Area 5. Work is underway to resolve these issues and the logged data will be reported as it becomes available in subsequent Top Deck Monitoring Reports.

In the interim, KCSWD staff continues to evaluate leachate volumes collected throughout the landfill. Table 1 presents a historical account of leachate generation at the site since 1986. The evaluation accounts for variations in rainfall by normalizing the leachate flows in terms of gallons discharged per inch of rainfall. The flow has also been normalized relative to pounds of waste in-place. These normalized values for the entire site are included in Table 1.

TABLE 1**CEDAR HILLS REGIONAL LANDFILL LEACHATE PRODUCTION for 1st QUARTER of 2017**

Year	Leachate	Surface Area of Refuse	Refuse In Place	Precipitation	Flow			
	(MG/yr)	(Acres)	(lbs)	(in/yr)	(gal/Acre/yr)	(gal/Acre/in)	(gal/lb/yr)	(gal/lb/in)
1986	163.03	138.5	11,328,841,100	54.79	1,177,112	21,484	0.0144	0.00026
1987	139.53	138.5	12,927,926,300	39.6	1,007,422	25,440	0.0108	0.00027
1988	169.67	161.9	14,525,504,000	48.63	1,048,009	21,551	0.0117	0.00024
1989	176	161.9	16,203,204,000	44.12	1,087,110	24,640	0.0109	0.00025
1990	294.75	161.9	17,965,254,000	71.6	1,820,594	25,427	0.0164	0.00023
1991	224.27	221.4	19,778,412,000	45.85	1,012,967	22,093	0.0113	0.00025
1992	156.46	221.4	21,454,600,000	38.64	706,694	18,289	0.0073	0.00019
1993	150.83	221.4	23,051,348,000	35.01	681,264	19,459	0.0065	0.00019
1994	159.8	221.4	24,657,528,000	38.55	721,764	18,723	0.0065	0.00017
1995	201.11	221.4	26,294,654,000	48.4	908,376	18,768	0.0076	0.00016
1996	243.03	221.4	27,946,704,000	57.08	1,097,714	19,231	0.0087	0.00015
1997	239.23	221.4	29,665,380,000	57.24	1,080,511	18,877	0.0081	0.00014
1998	202.8	221.4	31,432,828,000	42.82	916,006	21,392	0.0065	0.00015
1999	219.15	283.42	33,273,828,000	45.9	773,229	16,848	0.0066	0.00014
2000	148.82	283.42	35,167,828,000	33.15	525,102	15,840	0.0042	0.00013
2001	174.08	283.42	37,041,828,000	47.28	614,194	12,991	0.0047	0.0001
2002	133.4	283.42	38,919,828,000	35.13	470,690	13,399	0.0034	0.0001
2003	181.6	283.42	40,877,828,000	46.39	640,761	13,812	0.0044	0.0001
2004	185.72	328.72	42,889,828,000	34.08	564,983	16,578	0.0043	0.00013
2005	175.31	328.72	44,867,538,000	40.75	533,313	13,087	0.0039	0.0001
2006	264.95	328.72	46,820,938,000	52.94	806,009	15,225	0.0057	0.00011
2007	161.48	328.72	47,129,756,000	38.68	491,239	16,143	0.0034	0.000112
2008	126.02	328.72	48,990,990,000	42.32	383,366	9,059	0.0026	0.00006
2009	172.16	328.72	49,414,219,997	42.42	523,741	12,347	0.0035	0.00008
2010	199.4	335.72	51,076,043,997	49.25	593,959	12,060	0.0039	0.00008
2011	180.2	353.12*	52,701,411,694	51.05	510,308	9,996	0.0034	0.00007
2012	202.3	353.12*	54,315,239,773	58.16	572,972	9,852	0.0037	0.00006
2013	156.4	353.12*	55,933,569,773	47.77	442,923	9,272	0.0028	0.00006
2014	189.14	353.12*	57,638,062,970	64.07	535,631	8,360	0.0033	0.00005
2015	176.26	353.12*	59,401,111,988	51.39	499,159	9,713	0.0030	0.00006
2016	180.32	353.12*	61,277,452,914	51.43	510,659	9,929	0.0029	0.00006
2017	88.92	353.12*	61,871,077,584	22.42	251,810	11,231	0.0014	0.00006

2017: Precipitation, leachate and refuse in place through 1st Quarter of 2017

* The 353.12 acre value was a plan view area calculated by AUTOCAD, using the area inquiry feature of a closed polyline.

III. SURFACE MONITORING

KCSWD's plan for monitoring the surface of the Area 5 Top Deck is comprised of three components:

1. Landfill gas inspections and surface emissions monitoring;
2. Top Deck Surface Inspections; and,
3. Settlement monitoring.

The purpose of this monitoring is to detect any conditions affecting the cover system that may permit landfill gas emissions, leachate seeps, or excessive or differential settlement.

Landfill Gas Inspections

Each quarter, monthly inspections of the gas system, stormwater system, and cover system of Area 5 are performed by the Solid Waste Operations (SWO) staff. During the 1st Quarter of 2017 all inspections and maintenance work was performed by SWO staff as planned. A summary of this work can be found in Appendix A: Inspection Reports.

Also throughout the 1st Quarter of 2017, Facility Engineering and Science Unit (FESU) staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A: Inspection Reports. During the 1st Quarter of 2017, erosion control measures continued to an issue at the site due to on-going construction. This led to turbid run-off flowing from the stockpiles of soils on top of Area 5 into the stormwater drainage system.

In addition to KCSWD inspections, inspections were regularly performed by Public Health – Seattle & King County (PHSKC) during the quarter. Four inspections by PHSKC occurred during the 1st Quarter of 2017, including two in January, one in February, and one in March. The inspections reports can be viewed in Appendix A.

Air Quality Criteria

Each quarter, serpentine walks are conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The 1st Quarter of 2017 Serpentine Walk was conducted from March 15th to the 23rd, 2017. There were no exceedances of regulatory criteria observed during the Serpentine Walk. The results from the 1st Quarter 2017 Serpentine Surface Monitoring can be found in Appendix B: Gas Monitoring Reports, along with a plot of GPS generated track lines.

Top Deck Surface Inspections

Visual inspections for indications of leachate seeps are conducted each quarter by KCSWD personnel in conjunction with the surface emissions monitoring and monthly inspections. No indications of leachate seeps were recorded during the 1st Quarter of 2017 by KCSWD staff, or by PHSKC personnel.

Settlement Monitoring

Settlement of Area 5 is evaluated both through visual inspections and through topographic surveys at control points on the top deck. A site map showing the settlement monitoring points is included as Figure 1. Visual inspections are completed by both operations and engineering staff. No evidence of erosion of the cover and underlying refuse was found during inspections.

The most recent settlement levels for Area 5 were measured on May 31st, 2017. The survey data is given in Table 2, and the settlement at each point is given in Table 3. Although settlement is proceeding at a very low rate, there is no indication that any differential settlement is occurring, nor any concern to cover system integrity.

Future plans for Area 5 are to complete the final lift(s), followed by application of final cover.

TABLE 2
CEDAR HILLS REGIONAL LANDFILL AREA 5 SURFACE SURVEY DATA for 1st QUARTER of 2017

A5SM-1 ^a		A5SM-2		A5SM-3 ^b		PMX20074 ^c	
Date	Elevation	Date	Elevation	Date	Elevation	Date	Elevation
10/4/2005	699.18	10/4/2005	785.17	--	--	--	--
2/1/2006	697.7	2/1/2006	782.52	--	--	--	--
6/27/2006	696.51	6/27/2006	780.48	--	--	--	--
2/14/2007	694.53	--	--	2/14/2007	786.4	--	--
--	--	4/20/2007	776.95	4/20/2007	786.25	--	--
7/24/2007	693.34	7/24/2007	775.63	7/24/2007	785.68	8/16/2007	781.56
2/29/2008	691.77	2/29/2008	773.44	2/29/2008	784.87	2/29/2008	780.1
7/29/2008	691.26	7/29/2008	772.2	7/29/2008	784.31	7/29/2008	779.13
11/24/2008	690.61	11/24/2008	771.29	11/24/2008	783.76	11/24/2008	778.21
4/6/2009	690.16	4/6/2009	770.35	4/6/2009	783.35	4/6/2009	777.41
7/9/2009	689.77	7/9/2009	769.79	7/9/2009	783.05	7/9/2009	776.99
12/22/2009	689.13	12/22/2009	768.6	12/22/2009	782.44	12/22/2009	776.1
3/1/2010	688.77	3/1/2010	768.05	3/1/2010	782.08	3/1/2010	775.81
8/2/2010	688.6	8/2/2010	767.28	8/2/2010	781.78	8/2/2010	775.29
12/21/2010	688.1	12/21/2010	766.53	12/21/2010	781.25	12/21/2010	774.79
4/6/2011	687.83	4/6/2011	765.86	4/6/2011	780.94	4/6/2011	774.42
8/8/2011	687.46	8/8/2011	765.34	8/8/2011	780.66	8/8/2011	774.19
1/23/2012	687.19	1/23/2012	764.53	1/23/2012	780.26	1/23/2012	773.79
5/18/2012	686.78	5/18/2012	763.99	5/18/2012	779.9	5/18/2012	773.41
7/12/2012	686.69	7/12/2012	763.83	7/12/2012	779.69	7/12/2012	773.26
11/2/2012	686.55	11/6/2012	763.35	11/2/2012	779.56	--	--
5/22/2013	686.09	5/22/2013	762.77	5/22/2013	779.09	--	--
--	--	8/8/2013	762.53	9/5/2013	779.66	--	--
--	--	2/19/2014	762.06	2/19/2014	777.68	--	--
--	--	2/9/2015	761.09	2/9/2015	777.63	--	--
--	--	4/6/2015	761.11	4/6/2015	777.51	--	--
--	--	7/2/2015	760.96	7/2/2015	777.38	--	--
--	--	10/27/2015	760.62	10/27/2015	777.12	--	--
--	--	2/3/2016	760.35	2/3/2016	776.83	--	--
--	--	4/12/2016	760.35	4/12/2016	776.87	--	--
--	--	7/11/2016	760.15	7/11/2016	776.68	--	--
--	--	12/21/2016	759.85	12/21/2016	776.43	--	--
--	--	5/31/2017	759.56	5/31/2017	776.23	--	--

^a A5SM-1 was destroyed by filling Area 7 during Lift 4.

^b A5SM-3 NEW as of 2/14/2007.

^c PMX20074 was destroyed during Phase 3 of Area 6.

TABLE 3**CEDAR HILLS REGIONAL LANDFILL AREA 5 SETTLEMENT for 1st QUARTER of 2017**

Settlement Monitoring Locations	Units	SETTLEMENT DATE RANGE (MM/YYYY)										
		06/2006- 07/2007	07/2007- 07/2008	07/2008- 07/2009	07/2009- 08/2010	08/2010- 08/2011	08/2011- 07/2012	07/2012- 05/2013	05/2013- 02/2014	02/2014- 02/2015	02/2015- 02/2016	02/2016- 05/2017
A5SM-1	Feet	3.17	2.08	1.49	1.17	1.14	0.77	0.60	N/A	N/A	N/A	N/A
A5SM-2	Feet	4.85	3.43	2.41	2.51	1.94	1.51	1.06	0.71	0.97	0.74	0.79
A5SM-3	Feet	N/A	1.37	1.26	1.27	1.12	0.97	0.60	1.41	0.05	0.8	0.64
PMX2007-4	Feet	N/A	2.43	2.14	1.7	1.1	0.93	N/A	N/A	N/A	N/A	N/A
Average Settlement for Area 5	Feet /Date Range	4.01	2.33	1.83	1.66	1.33	1.05	0.75	1.06	0.51	0.77	0.72
	Feet /Month	0.33	0.19	0.15	0.14	0.11	0.09	0.06	0.09	0.04	0.06	0.05

IV. STORMWATER SAMPLING

Collection of Samples

Area 5 Top Deck stormwater samples were collected during the 1st Quarter of 2017 at all designated sites, including SW-TD1, SW-TD2, SW-TD4, and SW-TD6. Comparison leachate samples were taken at location LS-API each month of the quarter.

1st Quarter 2017 comparison stormwater samples were not taken, as monthly monitoring of surface water sites was discontinued as of January 1st, 2016 per the new Sampling & Analysis Plan (SAP) for the CHRLF. To address this lack of comparative data, the decision was made that the most recent full-year (2015) data available from surface water site SW-S1 would be averaged and used as the comparison basis.

All samples were collected and analyzed in accordance with the Area 5 Top Deck Stormwater Runoff Monitoring Plan. Figure 2 shows the locations of the Area 5 sampling stations.

Stormwater Sample Evaluation

Stormwater runoff monitoring locations, field measurements, and laboratory analyses evaluated in this report are intended to assess whether the stormwater runoff from the top deck has been contaminated by the underlying waste. Stormwater was collected either during or following significant storm events from four locations on or near the top deck of Area 5. These data are compared to surface water data collected from a location upstream of waste placement activities (monitoring location SW-S1 2015 averaged data).

Stormwater quality is also compared to the leachate quality as collected from the inflow into the aeration ponds (LAPI).

The analytes for the top deck stormwater runoff are iron, sulfate, chemical oxygen demand, total organic carbon, alkalinity, and chloride. The stormwater quality results are screened against existing surface water quality criteria (WAC 173-201A) and Benchmarks for the Washington State Industrial Stormwater General Permit. Applicable criteria/benchmarks are listed in Table 4.

TABLE 4		
Water Quality Criteria/Benchmarks For Applicable Parameters		
Parameter	Numerical Criterion	Source
pH	6.5 to 8.5	WAC 173-201A-200
	5 to 9	Industrial Stormwater General Permit
Turbidity	Less than 10 NTU above background if background turbidity is 50 NTU or less, or a 10% increase in turbidity when the background is > 50 NTU.	WAC 173-201A-200
	25 NTU	Industrial Stormwater General Permit
Temperature	20°C	WAC 173-201A-200
Iron	1.0 mg/L	EPA 440/5-86-001 Quality Criteria for Water 1986

A. RESULTS DISCUSSION

Field measurements and analytical results from the stormwater sampling and analyses performed as part of this monitoring plan are summarized in Tables 5 and 6. Leachate results are presented in Table 7.

The following is a parameter by parameter discussion of the top deck monitoring results. For each parameter, its importance in evaluating surface water, comparison to other onsite surface water, and comparison to representative leachate is discussed.

pH - pH levels in surface water can be affected by many factors, especially photosynthetic activity and the respiration of waterborne flora. This process can potentially decrease the night-time pH level to 4.5 and during peak daytime activity can drive the pH levels above 10.

The benchmark range for pH is 6.5 to 8.5 standard pH Units.

- pH results for all locations were within the acceptable range per the applicable water quality criteria.

Specific Conductance - Specific Conductance is the ability of water to conduct electrical current. This property is related to dissolved ion concentration, charge, ion mobility, and water temperature. Specific conductance measurements can provide indications of water contamination by a non-specific measure of increased ionic solute load.

There are no benchmarks or criteria for specific conductance.

Temperature - Water temperature criteria are established for the protection of aquatic life, and vary between bodies of water based on use categories designated.

Temperature criteria are established for the protection of aquatic life, and vary between bodies of water based on use categories designated, per WAC 173-201A-200.

- Temperature results for all locations were below the designated limit per the applicable water quality criteria.

Turbidity - Turbidity is one of the indicators used to assess the environmental health of water bodies. Turbidity is caused by the presence of suspended and dissolved matter, such as clay, silt, finely divided organic matter, plankton and other microscopic organisms.

Turbidity criteria are established for the protection of aquatic life, and vary between bodies of water based on use categories designated, per WAC 173-201A-200.

The Industrial Stormwater General Permit (ISWGP) benchmark for turbidity is 25 NTU.

- One of the four monitoring locations (SW-TD1) exceeded the designated limit for turbidity per the applicable water quality criteria set forth by the ISWGP.

Chemical Oxygen Demand - Chemical Oxygen Demand (COD) is used to indirectly measure the amount of organic compounds in water.

There are no benchmarks or criteria for COD.

Total Organic Carbon - Total organic carbon (TOC) is the amount of carbon bound in an organic compound and is often used as a non-specific indicator of water quality. While COD is the measurement of all substances in the water that can be oxidized, TOC is the measurement of organically bound carbon.

There are no benchmarks or criteria for TOC.

Alkalinity - Alkalinity is the measure of the capacity of water to neutralize acids (aka buffer capacity). The alkalinity of natural waters is controlled primarily by the equilibria of the carbonate system. It is produced by dissolved CO₂ acting upon alkaline materials in the soil to produce bicarbonate (HCO₃⁻) and carbonate (CO₃²⁻). The source(s) of CO₂ can vary, including: atmospheric; respiration of water borne organisms or decay of organic matter; or contribution from landfill gas. Increased turbidity can also potentially increase alkalinity.

There are no benchmarks or criteria for alkalinity.

Chloride - Chloride is a conservative anion; that is, processes of adsorption, ion exchange, or biological uptake do generally not retard transport of chloride. Chloride is the best indicator for determining impacts from leachate. Chloride is one of the major anions to be found in water and sewage. Potable water should not exceed 250 mg/L of chloride.

There are no benchmarks or criteria for chloride.

Sulfate - Sulfate (SO_4^{2-}) can be found in almost all natural water and is one of the major dissolved components of rain. It is formed by the oxidation of sulfite ores and is a component in industrial and domestic waste waters. There are few elements that will form insoluble salts with sulfate, thus; once in solution, it remains so unless it is anaerobically reduced to sulfide.

There are no benchmarks or criteria for sulfate.

Iron - Iron is the fourth most abundant element in the earth's crust and the most abundant heavy metal. It is present in the environment mainly as Fe(II) or Fe(III). Iron is more soluble in the reduced state than it is in the oxidized state, where it often occurs as an iron oxide mineral (Fe_2O_3). At a pH above 7, iron exists mostly as insoluble salts which settle out or are adsorbed onto surfaces. The concentration of iron in well-aerated waters is seldom high. Under reducing conditions, which are most commonly caused by oxidation reactions involving organic matter, water will have higher concentrations of dissolved iron.

- One of the four (SW-TD1) monitoring results exceeded the designated limit for iron (total) per the applicable water quality criteria.

B. RESULTS COMPARISON

The Top Deck stormwater runoff exhibited higher values than the surface water samples for conductivity, pH, turbidity, alkalinity, COD, iron (dissolved and total), sulfate, and TOC in the 1st Quarter of 2017. The elevated turbidity and iron results likely resulted from erosion control issues related to the stockpiling of soils by KCSWD's contractor for the development of Area 8, and/or the placement of excavated soils from the new KCSWD Factoria Transfer Station on top of Area 5.

The mildly elevated alkalinity measured at SW-TD1 (versus surface water) may indicate a landfill gas contribution from dissolution of carbon dioxide in water, or could also be related to the turbid run-off from the stockpiles.

The low level chloride concentration in the Top Deck stormwater runoff (versus surface water and leachate results) strongly suggests that leachate has not contributed to the increase in other parameters.

Elevated concentrations of the other monitored parameters, as compared to surface water, are not attributed to landfill gas or leachate contributions, although turbid run-off from the stockpiles could have contributed to increased result values.

TABLE 5**Area 5 Top Deck - 1Q2017 Stormwater Monitoring Results**

Location	Date	Sample ID	Specific Conductance	pH units	Temp	Turbidity	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-TD1	1/18/2017	STD1170118-	90	7.92	5.4	70.5	37.4	18 T	2.06	0.0616	3.42	6.67	4.22
SW-TD2	1/18/2017	STD2170118-	37	7.26	5.9	19.7	14.3	18 T	0.476	0.0564	0.663	1.74	3.69
SW-TD4	1/18/2017	STD4170118-	38	8.18	7.4	5.05	14.4	14 T	0.776	0.042 T	0.126	0.641	2.83
SW-TD6	1/18/2017	STD6170118-	53	7.03	5.6	9.53	18.9	15 T	1.23	0.0718	0.337	1.89	3.28
Average Value =			55	7.60	6.075	26	21.3	16.3	1.1	0.06	1.14	2.7	3.505

U = UNDETECTED, ANALYTE CONCENTRATION <MDL

TABLE 6**SW-S1 - 2015 Stormwater Comparison Monitoring Results**

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-S1	1/20/2015	SS1-150120Q	55	7.32	6.7	1.07	11.3	5	2.28	0.012	0.02	2.15	3.27
SW-S1	2/23/2015	SS1-150223M	52	7.31	5.4	0.6	13.4	6.1	2.32	0.01	0.023	2.24	2.2
SW-S1	3/16/2015	SS1-150316M	49	7.13	8.8	2.14	11.9	8.4	1.7	0.027	0.05	1.86	3
SW-S1	4/22/2015	SS1-150422Q	49	6.83	9.4	3.16	17.5	5.7	2.18	0.014	0.029	1.85	2.78
SW-S1	5/19/2015	SS1-150519M	53	6.71	12.4	2.08	19.7	5.5	2.2	0.036	0.0582	0.919	3.34
SW-S1	11/18/2015	SS1-151118Q	65	6.44	8.1	0.42	8.11	9.2	2.69	0.014	0.018	3.32	4.47
SW-S1	12/14/2015	SS1-151214M	53	6.47	7	0.58	7.44	8.6	2.6	0.012	0.017	2.43	3.74
Average Value =			54	6.89	8.3	1.44	12.8	6.9	2.3	0.018	0.0307	2.11	3.26

U = UNDETECTED, ANALYTE CONCENTRATION <MDL

TABLE 7**Leachate Pond Inflow - 1Q2017 Monitoring Results**

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-API	1/11/2017	LAPI170111M	4500	8.05	16.2	--	4400	3180	1090	--	6.73	28.8	779 S
LS-API	2/15/2017	LAPI170215M	2400	7.08	13	--	2110	2500	286	--	11.1	61.9	745
LS-API	3/15/2017	LAPI170315M	1500	6.67	12.1	--	945	1740	193	--	12	55.2	560
Average Value =			2800	7.27	13.8	NA	2485	2473	523	NA	9.94	48.6	692

S = INDICATES A SAMPLE HANDLING OR HOLD TIME ERROR

NOTE: LEACHATE IS NOT ANALYZED (NA) FOR TURBIDITY OR DISSOLVED IRON

V. CONCLUSION

Stormwater samples for the Area 5 Top Deck were collected at monitoring locations SW-TD1, TD2, TD4, and TD6 during the 1st Quarter of 2017. There were water quality exceedances with respect to applicable water quality criteria or benchmarks of turbidity and total iron at TD1. However, when the overall results were compared to 2015 averaged surface water sampling data at SW-S1, and leachate effluent samples from LS-API, the Top Deck sample results exhibited a stronger resemblance to the surface water results, versus the leachate results.

The elevated turbidity and total iron coincide with general site conditions during the 1st Quarter, as Area 5 was used as an approved stockpile location for soils from Area 8, and the Factoria Transfer Station excavation.

The increased alkalinity result for the stormwater sample at SW-TD1 suggests that the run-off may have been exposed to trace amounts of landfill gas, but could also have been influenced by increased turbidity or other carbon sources from the stockpile or other local surficial soils.

The inspection reports for the 1st Quarter of 2017 showed no issues with the interim cover system for Area 5. The Area 5 settlement rate remained low and consistent with the previous monitoring period. Additionally, there were no indications of major differential settling, nor signs of surficial erosion.

The recent compliant historical performance trend for Area 5, coupled with ongoing inspection results verifying the integrity of the cover and stormwater sample results demonstrating closer resemblance to background surface water than leachate discharge from waste in-place, all provides evidence that the Area 5 Top Deck Interim Cover System continues to function to prevent interaction between refuse and storm water runoff from the Top Deck of Area 5.

Figures



LEGEND:

○ ACTIVE MONITORING STATION

AERIAL FLDWN SEPTEMBER 2014

DATE	REVISION	BY



KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
SETTLEMENT MONITORING LOCATIONS

APPROVED: VDD DATE Feb. 2014
RECOMMENDED: DATE
DESIGNED: DRAWN
PROJECT NO. SURVEY NO. SHEET 1 OF 1

P:\ACAD\PROJECT\King County Expansion Proposal\CARLA WORK\Figure 1.dwg Aug 01, 2007 - 3:18pm

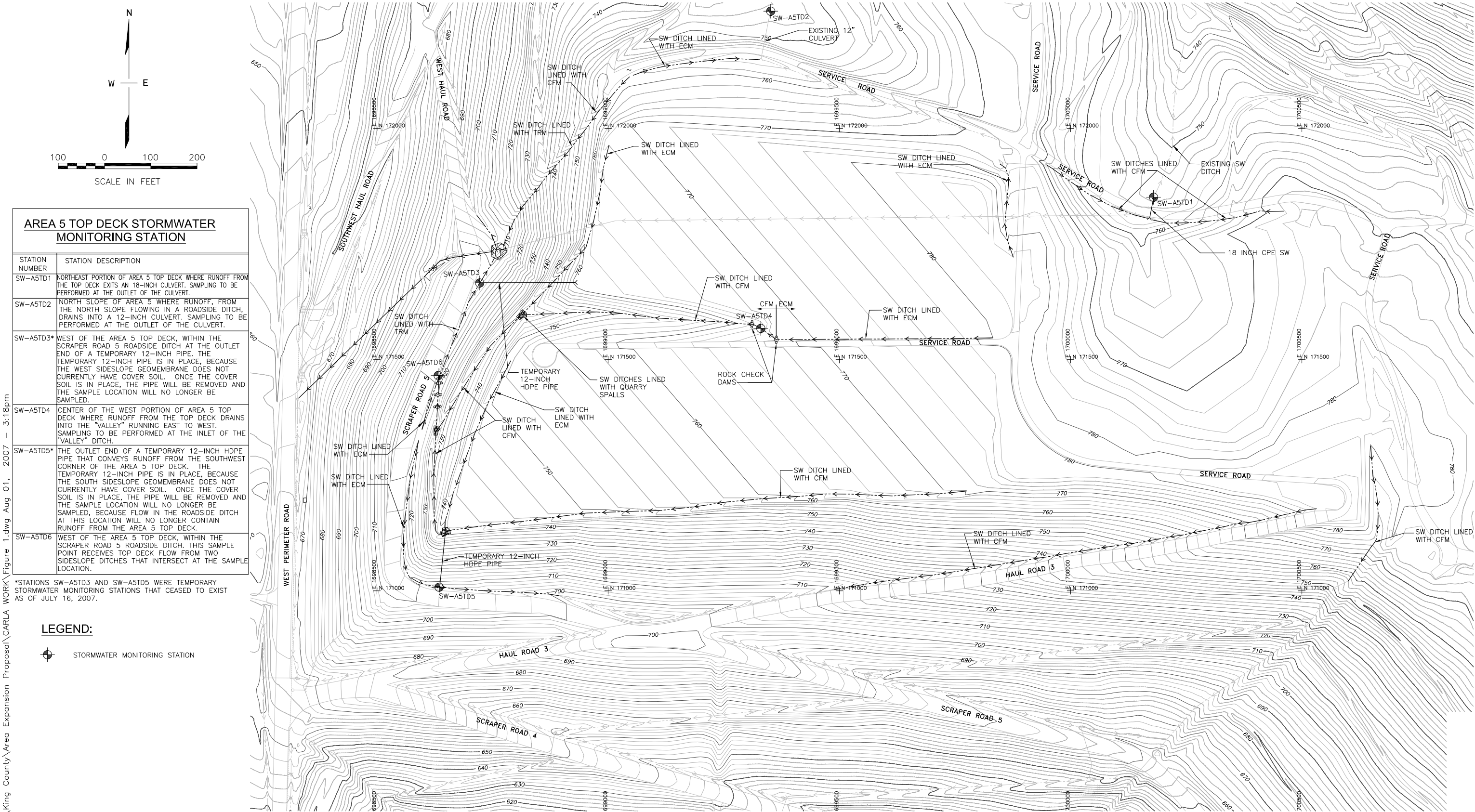


Figure 2
Area 5 Top Deck
Stormwater Monitoring Stations

Appendix A:

Inspection Reports

1						Overall, the site appears to clear of blowing debris and the surfacewater conveyance ditches are free of trash. Good work to the Litter and utility Crew for cleaning after the heavy rains and windstorms. Continued issues with erosion control BMPs around the Factoria soils stock pile. The Factoria cover system needs maintenance, windblown cover and the silt fencing is being topped with mud and turbid surface water flows. There are deep road rills along the Eastside of the "cat-tail" pond that require filling with rock. Site wide, the surface water flows to the North SWD compliance points, appear to be clear. The flows directed into the wetlands from the Rapid Sand Filter are turbid. Road surfaces around the entire landfill are free of trash, mud and rock. Construction zones, "New" South stormwater ponds. Flow going into the new ponds are turbid. Sediment is being eroded from the ditches above the ponds. Area 6, Hill side runoff into the asphalt ditch, running along BEW. Currently not flowing. Bio-growth along the asphalt ditch is spreading. (Location, next to the Equipment Operators Trailer). The fuel island rain flap have failed again and need further design modifications to make them endure the truck traffic.	
---	--	--	--	--	--	---	--

							The speed limit sign next to the sand filter is down and require erecting. The Scott's Broom growing along the South Stormwater Lagoon inlets needs removing. There is accumulated debris and metal material collecting along the stormwater ditch behind the e-blocks of the trailer washout area.	
--	--	--	--	--	--	--	--	--

AREA CODES (for Cedar Hills)

East Main Hill = EMH
Southwest Main Hill = SWMH
Southeast Pit Area = SEPA
Central Pit = CP

G = Good

Area 2/3 = A2/3
Area 4 = A4
Stockpile = SP

F = Fair

Aeration Ponds = AP
So. Solid Waste Area = SSWA
North Flare Station = NFS

P = Poor

Area 5 = A5
Area 6 = A6
Area 7 = A7

State the needs of the repairs in the suggested remedy box.

1. *Regulatory Priority* - permit, regulations & code & compliance driven.
2. *Safety Priority* - potential to adversely affect the safety of workers or the related environment.
3. *Maintenance Priority* - Ensures continuation of existing level of facility operations to ensure proper efficiency without interruption. This priority has the following four potential levels
 - a. *Emergency* - stops the continuing operation of the facility
 - b. *Urgent* - While not completely prohibiting continuing use of the facility, may threaten use of entire facility or continuing use may results in significant & extensive repair of facility.
 - c. *Routine* - need to be completed & not necessarily. May be completed under existing operations preventative programs.
 - d. *Deferred* - desirable but not required to maintain status quo operations (e.g., planting or wild life enhancement projects etc.)

Overall site description the day of site inspection: The site appears clean and maintained with no minor maintenance improvements needed.

This inspection form can be located at:

P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 16\2 June

Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (circle Y or N)

Potential Pollutant Sources Y / N

Site Map Y / N

If Y, log changes in Appendix I of SWPPP

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR / QUALIFIED PERSONNEL

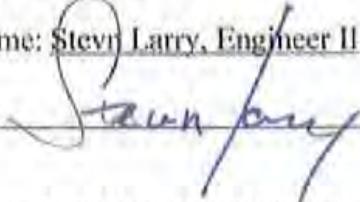
Based on professional judgment, which of the following statements is true: (select one)

- ☒ The site is in compliance with the terms and conditions of the SWPPP and the ISGP.
☐ The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Steve Larry, Engineer II

Signature: 

Date: 3/17/17

DULY AUTHORIZED REPRESENTATIVE

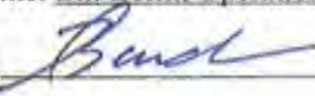
Based on professional judgment, which of the following statements is true: (select one)

- ☒ The site is in compliance with the terms and conditions of the SWPPP and the ISGP.
☐ The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.

* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information to determine compliance with the Industrial Stormwater General Permit. Based on my inquiry of the person or persons who are responsible for stormwater management at my facility, this SWPPP is, to the best of my knowledge and belief, true, accurate, and complete, and in full compliance with Permit Conditions S3 and S8, including the correct Best Management Practices from the applicable Stormwater Management Manual. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: 

Date: 3/17/17

1 | 2 | 3 | 4 | 5 | 6 | 7

A

B

C

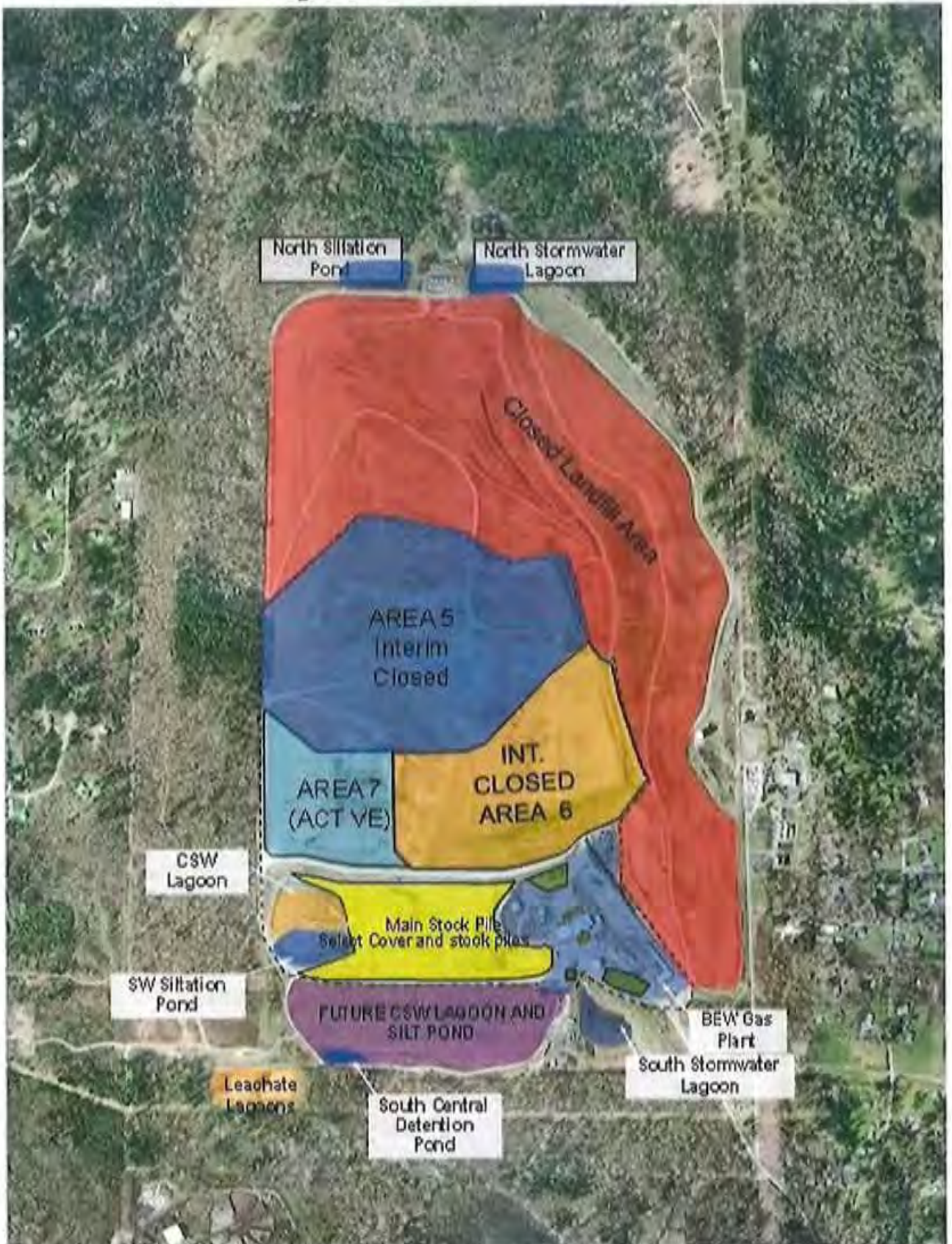
D

E

F

G

H



Landfill Facility Site Inspections

ACTION CODES

A. Gas System	OK	Not OK	B. Leachate System	OK	Not OK	C. Landfill Operations	OK	Not OK
1. Pipe Penetrations	X		1. Pump Stations	X		1. Fueling Stations	X	
2. Collection Piping	X		2. Aeration Lagoons / Basins	X		2. Vehicle Wash Stations	X	
3. Gas Extraction Wells	X		3. Aerators	X		3. Equipment	X	
4. Valve Stations	X		4. Weeps (strip drains)	X		4. Perimeter Fences	X	
5. Odor	X		5. Collection System	X		5. Vegetation	X	
6. Flare Stations	X		a. Collection Pipes	X		6. Landfill Cover	X	
7. Air Compressors	X		b. Forcemains	X		7. Drain Rock	X	
8. Noise Control	X		c. Manholes	X		9. Air Quality	X	
			d. Cleanouts	X				
D. Stormwater System			6. Generators	X		11. Vectors	X	
1. Ponds	X		7. Extraction Wells	X		12. Litter	X	
2. CB / Control Structures	X		8. Valve / Cleanout	X		13. Dust control	X	
3. Pipes / Culverts	X		9. Groundwater Extraction Wells	X		14. Other	X	
4. Trash Racks	X							
5. Ditches	X		E. Roadway System			Cover System / ESC		
6. Runoff Control Berms			1. Road Sweeping	X		F. Vegetation	X	
7. Discharge Points	X		2. Access Roads	X		1. Refuse	X	
8. General	X		3. Road Erosion	X		2. Cover Erosion		
			4. Road Pavement	X		3. Silt Fences/Filter Fabric	X	
G. Operations			5. Lane Striping	X		4. Cover System		
1. Records Obtain / Review								

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area Map	Status G F P	State Reason if "Fair or Poor"	Date Corrective Action Implemented

1	C (2,3)	Stormwater ditch along the N.W. corner haul road					Overall, the site appears to be clean and maintained. Continued issues with erosion control BMPs around Factoria soils stock pile and a slight accumulation. There is windblown debris collecting in the stormwater ditch at the N.W. corner haul road. Site wide, the surface water flows are flowing clear, averaging ~ 15.8 NTUs to SWD compliance points. Erosion control and inflow into the North stormwater ponds. Improving, averaging below 15.0 NTUs. Construction zones, "New" South stormwater ponds. Improving, averaging above 15.0 NTUs. The turbid flows are clearing. Area 6, Hill side runoff into the asphalt ditch running along BEW. Turbid surface flows continue coming out of the stormwater vault located next to the old, Equipment Operator's trailer with turbid flows running into the South stormwater pond. Bio-growth along the asphalt ditch is spreading. Blackberry and brush clearing is needed at the South stormwater pond manhole structure.	

AREA CODES (for Cedar Hills)

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Southwest Main Hill = SWMH
Southeast Pit Area = SEPA
Central Pit = CP

G = Good

Area 2/3 = A2/3
Area 4 = A4
Stockpile = SP

F = Fair

Aeration Ponds = AP
So. Solid Waste Area = SSWA
North Flare Station = NFS

P = Poor

Area 5 = A5
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Area 7 = A7

State the needs of the repairs in the suggested remedy box.

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 - b. *Urgent* - While not completely prohibiting continuing use of the facility, may threaten use of entire facility or continuing use may results in significant & extensive repair of facility.
 - c. *Routine* - need to be completed & not necessarily. May be completed under existing operations preventative programs.
 - d. *Deferred* - desirable but not required to maintain status quo operations (e.g., planting or wild life enhancement projects etc.)

Overall site description the day of site inspection: The site appears clean and maintained with no minor maintenance improvements needed.

This inspection form can be located at:

P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 16\2 June

Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (circle Y or N)

Potential Pollutant Sources Y / N

Site Map Y / N

If Y, log changes in Appendix 1 of SWPPP.

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

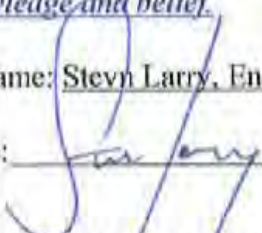
☐ The site is in compliance with the terms and conditions of the SWPPP and the ISGP.

☐ The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Stevn Larry, Engineer II

Signature: 

Date: 1/25/17

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

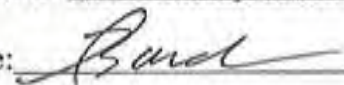
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I certify under penalty of law that this SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information to determine compliance with the Industrial Stormwater General Permit. Based on my inquiry of the person or persons who are responsible for stormwater management at my facility, this SWPPP is, to the best of my knowledge and belief, true, accurate, and complete, and in full compliance with Permit Conditions S3 and S8, including the correct Best Management Practices from the applicable Stormwater Management Manual. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: 

Date: 1/25/17

1 | 2 | 3 | 4 | 5 | 6 | 7

A

B

C

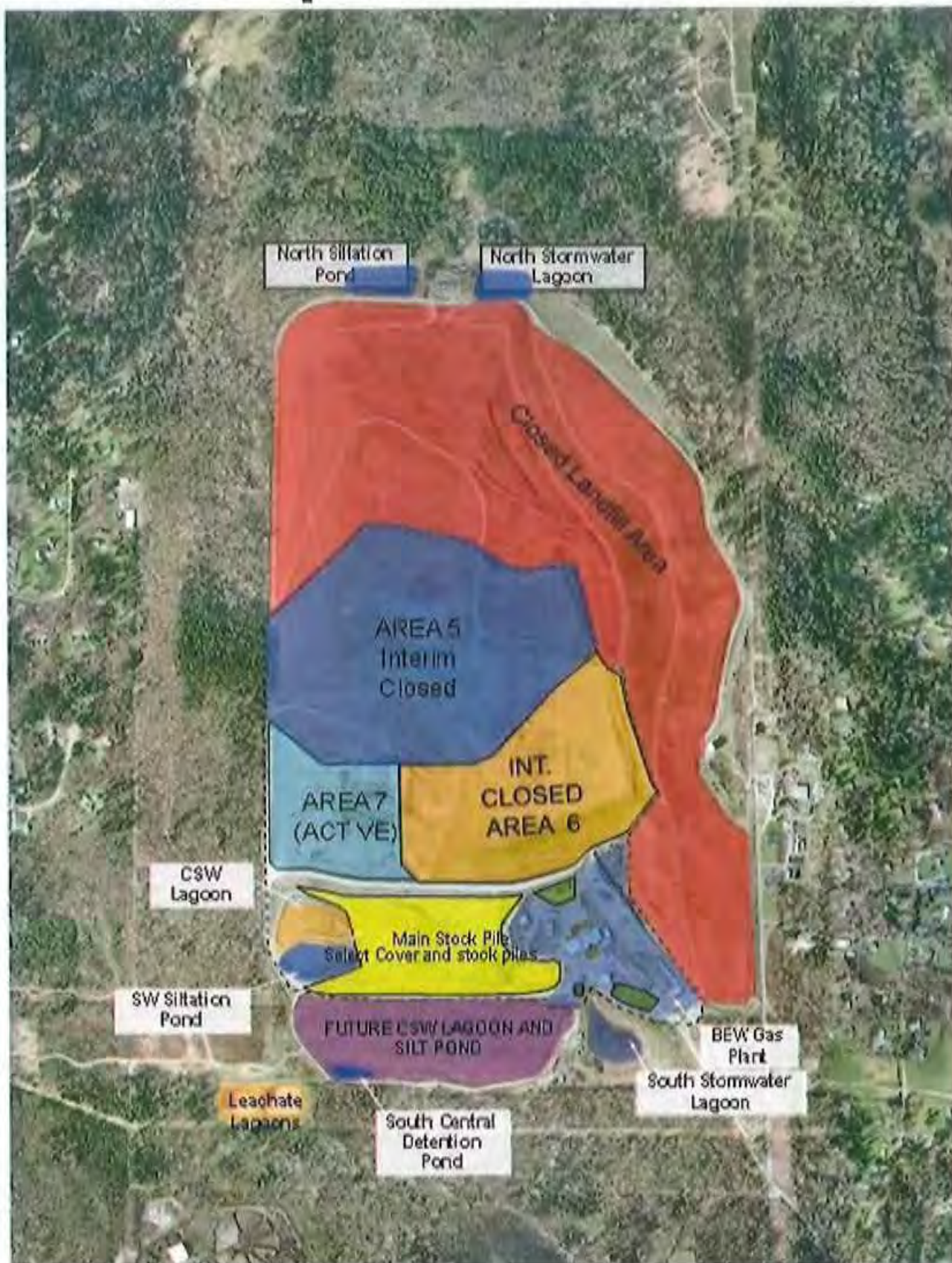
D

E

F

G

H



1	C&D (2,3)	Stormwater ditch along the west side haul road			X		Overall, the site appears to be in need of litter picking along the west side of the landfill and along the south slopes of Area 6. Continued issues with erosion control BMPs around the Factoria soils stock pile. The Factoria cover system needs maintenance, windblown cover and the silt fencing is being topped with mud and turbid surface water flows. There is windblown debris collecting in the stormwater ditch along the west side haul road that requires removal. Site wide, the surface water flows to the North SWD compliance points appear to be clear. The flows directed into the wetlands from the rapid sand filter are turbid. Contributing to the turbid flows, the ditches above the new ponds are scouring. The flows along the 228th compliance point appear to be below the 25 NTUs. Erosion control and inflow into the North stormwater ponds. Are turbid. Construction zones, "New" South stormwater ponds. Flow going into the new ponds are turbid. Sediment is being eroded from the ditches above the ponds. Area 6, Hill side runoff into the asphalt ditch running along BEW. Currently not flowing. Bio-growth along the asphalt ditch is spreading.	

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Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (circle Y or N)

Potential Pollutant Sources Y / N

Site Map Y / N

If Y, log changes in Appendix I of SWPPP.

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

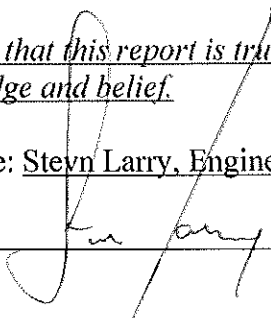
☒ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

☐ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Stevn Larry, Engineer II

Signature: 

Date: 2/28/2017

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

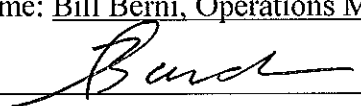
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Printed name: Bill Berni, Operations Manager

Signature: 

Date: 2/28/17

7



SOLID WASTE INSPECTION REPORT

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	PURPOSE OF VISIT: Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Tuesday, January 17, 2017 Time In: 11:35 am Time Out: 1:10 pm Inspector: Darshan Dhillon Result: COMPLETE Average Food Safety Rating:

VIOLATIONS OBSERVED (if any)

-0827-Operating record is available at the approved location and is complete for all required records

The operating record must be retained at or near the facility in an operating record or in an alternative location approved by the jurisdictional health department during the permitting process of WAC 173-351-700 or through the permit modification process of WAC 173-351-720(6). All information contained in the operating record must be furnished upon request to the jurisdictional health department or be made available at all reasonable times for inspection by the jurisdictional health department and the department. WAC 173-351-200 (10)(a) *Operator advised to scan and email recent inspection records to public health by 1/18/2017.*

SWD response: SWD was unable to produce the records immediately upon request because SWD's site contact was out of the office the day of the inspection. Once SWD received this inspection report on 1/19/17 and appropriate staff were made aware of the request, we made arrangements with PH to provide the records.

OVERALL INSPECTION COMMENTS:

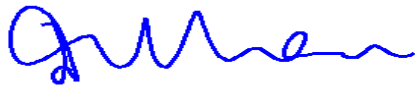
ACTIONS AND RECOMMENDATIONS:

1. Weekly inspection records must be kept on site and produced for inspection.
2. Safety training records must be kept on site and available for inspection including incident accident records.
3. Prohibited waste records must be maintained and available for inspections.
4. Records of random inspections must be maintained for incoming loads to prevent receipt of prohibited waste.
5. Recent inspection records must be scanned and sent to public health by 1/18/2017

OBSERVATIONS:

- Access has been controlled through a barrier fence installed around the facility.
- Storm water is being by-passed directly to the sand filter before it goes through the storm water pond.
- Approved synthetic tarp is used as an alternative daily cover.
- LFG is being monitored on a monthly basis by taking serpentine measurements of closed and open active landfill areas.
- Leachate lagoons are being aerated on a continuous basis to provide oxygen to aerobic microbes. - No dust was observed because it was raining during inspection.
- Run on and Run off is controlled by a network of piping system installed to carry leachate and run-off to the leachate ponds.
- Some water was observed in the leak detection well, according to Rick Goode of Anchor consulting the water has been tricking into the leakage detection well through condensation between the liners. - Only few birds (Crows) were observed to be sitting around the active portion of the landfill.
- All of the wells were kept locked and identified by their specific numbers.
- More than 18 inches of free board has been maintained to accommodate sudden surges in the storm water ponds and leachate ponds.
- Workers were wearing required PPE.

- First aid kit with ample supplies has been kept on site.
- According to Rick the turbidity of the water that is being released into the environment was between 7 to 10 NTU.
- No liquid filled containers were observed in the active face of the landfill.



Darshan Dhillon
H&EI III

Scott Barden
Operations Manager

PIC Phone #:

Email: Scott.Barden@kingcounty.gov

The following items are evaluated during inspections.
Violations cited as out of compliance during this inspection are highlighted below.
Out=out of compliance

OUT**Additional Operating Criteria WAC 173-351-220(1)**

- ☐ 0837-Road dust must be controlled
- ☐ 0838-Litter must be controlled
- ☐ 0839-Scavenging must be prohibited
- ☐ 0840-Staffing must be a minimum 2 personnel on site with one at the active portion when open
- ☐ 0841-Certification of operators of solid waste landfills must be current
- ☐ 0842-Reserve operational equipment must be available and adequate
- ☐ 0843-Active area boundaries must be clearly marked
- ☐ 0844-Must compact solid waste before succeeding layers are added per WAC
- ☐ 0845-Maintain monitoring systems for groundwater, explosive gas and other monitoring per permit
- ☐ 0846-Provide orderly and sanitary recycling methods to general public unless alternatives provided
- ☐ 0847-Prohibit disposal of dangerous waste unless DWR are met
- ☐ 0848-Must allow inspections by public health

Annual Report

- ☐ 0828-Annual report due April 1st

Closure and post-closure care WAC 173-351-500

- ☐ 0852-Equipment used for groundwater monitoring is maintained
- ☐ 0856-Final cover installed to minimize, infiltration and erosion per design
- ☐ 0857-Closure plan followed for areas of the MSWLF unit within 30 days of final receipt of wa-stes
- ☐ 0858-For closed areas, closure activities must be completed within 180 days
- ☐ 0859-For closed areas post closure care must be conducted per post- closure plan and WAC
- ☐ 0860-Final cover for closed areas must be maintained (vegetation, settlement, erosion, # run on/off)
- ☐ 0861-Leachate collection systems maintained and operated per post-closure plan and WAC 173-351-300
- ☐ 0862-Gas monitoring systems maintained and operated per post-closure plan and WAC 173-351-200

Design Criteria New MSWLF expansion 173-351-300

- ☐ 0849-New MSWLF units and expansions have approved liner & leachate collection system construction

Groundwater sampling and analysis requirements WAC 173-351-410

- ☐ 0853-Roundwater monitoring must be accordance with an approved sampling / analysis document

Liquids Restrictions

- ☐ 0826-Containers holding liquid waste may not be placed in a MSWLF unit unless meet 200 (9)(b)(i-iii)

MSLF Groundwater reporting WAC 173-351-415

- ☐ 0854-Annual groundwater report due by April 1st
- ☐ 0855-Quarterly groundwater monitoring reports submitted

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330**Design Standards - Surface Impoundments**

- ☐ 0740-Embankments and slopes must be maintained and be in good condition
- ☐ 0741-Freeboard for the surface impoundment is > 18 inches or as specified per the permit

Ground Water monitoring requirment for surface impoundment and tanks

- ☐ 0766-Surface impoundments not equipped with a leak detection layer must meet WAC 173-350-500
- ☐ 0767-Surface impoundments w/a leak detection layer are subject to WAC 173-350-040 (5), 173-350-330(b)

OUT**Operating standards - Surface Impoundments and tanks**

- ☐ 0750-Must prevent overfilling and maintain required freeboard = 18 inches from wave action/precip
- ☐ 0751-Must control access to the site
- ☐ 0752-Must control nuisance odors for wastes or liquids
- ☐ 0753-Must control birds at impoundments storing wastes capable of attracting birds
- ☐ 0754-Records kept of weekly inspections and liner inspections at least every 5 years
- ☐ 0755-Daily records kept on-site of the quantity and type of wastes removed for at least 5 years

Operating Criteria WAC 173-351-200**Access Restriction**

- ☐ 0819-Lockable gate at each entry must be maintained and in good condition

Air Criteria

- ☐ 0816-MSWLF units must meet all applicable air standards
- ☐ 0817-Open burning of garbage is prohibited. Other types of burning only under appropriate permit
- ☐ 0818-Access must be controlled (public /animal/vehicle). Barriers must be maintained.

Cover Material Requirements

- ☐ 0806-Approved cover material must be applied at a depth of 6 in# at the end of the day or as needed
- ☐ 0807-Only approved alternative cover materials are in use and are applied at an approved depth

Disease Vectors Controlled

- ☐ 0808-Procedures must be in place to control disease vectors e.g. (rodents, flies, mosquitoes, other)

Explosive Gases Control

- ☐ 0809-Methane gas must not exceed 25% of lower explosive limit for facility structures
- ☐ 0810-Methane gas concentration must not exceed lower explosive limit at the property boundary-beyond
- ☐ 0811-Methane gas concentration must not exceed 100ppm/volume of methane in offsite structures
- ☐ 0812-Explosive gases must be controlled and a routine methane monitoring program in place
- ☐ 0813-Monitoring for explosive gas occurs quarterly at a minimum
- ☐ 0814-Required measures must be taken if methane gas levels exceed limits (notify, monitor, evacuate)
- ☐ 0815-Must have procedures for methane gas level exceedance (gas levels, interim steps, remediation)

Incoming Waste Management

- ☐ 0800-Procedures must be in place for excluding the receipt of prohibited waste
- ☐ 0801-Random inspections must be conducted for incoming loads to prevent receipts of prohibited waste
- ☐ 0802-Record must be kept of random inspections of incoming loads to prevent prohibited waste
- ☐ 0803-Facility personnel must be trained to recognize prohibited wastes and training logs kept
- ☐ 0804-Immediate notification to Public Health and Ecology for any prohibited waste discovered

Performance Standards

- ☐ 0290-Must not pose a threat to human health or environment
- ☐ 0291-Protects from ground water contamination
- ☐ 0292-The facility must conform to the approved local comprehensive solid waste management plan
- ☐ 0293-Complies with RCW 70.94 Emission or ambient air quality standards
- ☐ 0294-Complies with all other local/state/federal laws and regulations

Performance Standards for groundwater monitoring

System Design

- ☐ 0850-All groundwater monitoring system must be designed and maintained per WAC 173-351-405
- ☐ 0851-All wells must be clearly labeled, capped and locked

Permit Requirements

- ☐ 0863-Permit Required

Plan of Operation

- ☐ 0829-Plan of operation is current, complete and a hard copy present at the permit approved location
- ☐ 0830-Operators handle solid waste as described in plan of operations
- ☐ 0831-Operators conducting inspections per plan of operation
- ☐ 0832-Plan of operation procedures followed for fire or explosion
- ☐ 0833-Plan of operation procedures followed for actions to take for sudden releases of gas, leachate
- ☐ 0834-Maintain and operate leachate and gas collection equipment per plan of operation
- ☐ 0835-Safety equipment listed in plan of operation must be on-site and working (shower, eyewash)
- ☐ 0836-Any additional requirements by Public Health are followed as outlined on the plan of operation

Record Keeping

- ☒ 0827-Operating record is available at the approved location and is complete for all required records

Run-on/runoff Control Systems

- ☐ 0820-Prevent run-on to the active portion of the landfill during the peak discharge from 25yr storm
- ☐ 0821-Must provide runoff control for active portions to collect & control water vol. 24hr/25yr storm
- ☐ 0822-Runoff from active portion of the landfill must be handled in accordance w. WAC 173-351-200(8)

Surface Water Requirements

- ☐ 0823-MSWLF units must not discharge pollutants into waters of the state
- ☐ 0824-Must not cause the discharge of a nonpoint source pollution to waters of the state
- ☐ 0825-Bulk or non-containerized liquid waste may not be placed in MSWLF unit unless exceptions allow

SOLID WASTE INSPECTION REPORT

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	PURPOSE OF VISIT: Return Inspection of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Tuesday, January 24, 2017 Time In: 11:10 am Time Out: 12:05 pm Inspector: Darshan Dhillon Result: COMPLETE Average Food Safety Rating:

VIOLATIONS OBSERVED (if any)

-0801-Random inspections must be conducted for incoming loads to prevent receipts of prohibited waste

Owners or operators of all MSWLF units must implement a program at the facility for detecting and preventing the disposal of prohibited wastes. This program must include random inspections of incoming loads unless the owner or operator takes other steps (for example, instituting source controls and restricting the type of waste received) to ensure that incoming loads do not contain prohibited waste. WAC 173-351-200 (1)(a)(i)

It appears that no inspection was conducted for the months of September, October, November and December 2016.

SWD response: A total of 190 random screening inspections were completed by SWD personnel between September and December 2016, 40 of which were completed at Cedar Hills. The Cedar Hills Plan of Operation posted on the SWD Environmental Compliance Extranet SharePoint site contains more information about our screening program (see [2011 Waste Screening SOP](#)).

-0802-Record must be kept of random inspections of incoming loads to prevent prohibited waste

Owners or operators of all MSWLF units must implement a program at the facility for detecting and preventing the disposal of prohibited wastes. This program must include records of any inspections. WAC 173-351-200 (1)(a)(ii)

No inspections records were found for September, October, November and December 2016. File folders assigned to these months were completely empty.

SWD response: At the start of 2017, screening program personnel relocated 2016 records from the active folders to archive folders within the same filing cabinet. SWD's representative, Scott Barden, was unaware of the move and, thus, was unable to point PHSKC to the location of the requested records. Scott has been informed of the filing process.

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS

1. Conduct random monthly inspections to ensure that no prohibited waste is being deposited into the landfill.
2. Ensure that inspection records are maintained and made available during Public Health Inspections.
3. Inspections in which prohibited items were detected, recorded and appropriate actions were taken to prevent future deposit of prohibited waste needs to be kept in a separate file folder.

Public Health would like to thank Scott Barden for providing assistance during the inspection.



Darshan Dhillon
H&EI III

Scott Barden A. Ops Manager

PIC Phone #: 206-263-8863

Email: Scott.Barden@kingcounty.gov

INSPECTION CHECKLIST

The following items are evaluated during inspections.
Violations cited as out of compliance during this inspection are highlighted below.
Out=out of compliance

OUT

Additional Operating Criteria WAC 173-351-220(1)

- ☐ 0837-Road dust must be controlled
- ☐ 0838-Litter must be controlled
- ☐ 0839-Scavenging must be prohibited
- ☐ 0840-Staffing must be a minimum 2 personnel on site with one at the active portion when open
- ☐ 0841-Certification of operators of solid waste landfills must be current
- ☐ 0842-Reserve operational equipment must be available and adequate
- ☐ 0843-Active area boundaries must be clearly marked
- ☐ 0844-Must compact solid waste before succeeding layers are added per WAC
- ☐ 0845-Maintain monitoring systems for groundwater, explosive gas and other monitoring per permit
- ☐ 0846-Provide orderly and sanitary recycling methods to general public unless alternatives provided
- ☐ 0847-Prohibit disposal of dangerous waste unless DWR are met
- ☐ 0848-Must allow inspections by public health

Annual Report

- ☐ 0828-Annual report due April 1st

Closure and post-closure care WAC 173-351-500

- ☐ 0852-Equipment used for groundwater monitoring is maintained
- ☐ 0856-Final cover installed to minimize, infiltration and erosion per design
- ☐ 0857-Closure plan followed for areas of the MSWLF unit within 30 days of final receipt of wa-stes
- ☐ 0858-For closed areas, closure activities must be completed within 180 days
- ☐ 0859-For closed areas post closure care must be conducted per post- closure plan and WAC
- ☐ 0860-Final cover for closed areas must be maintained (vegetation, settlement, erosion,# run on/off)
- ☐ 0861-Leachate collection systems maintained and operated per post-closure plan and WAC 173-351-300
- ☐ 0862-Gas monitoring systems maintained and operated per post-closure plan and WAC 173-351-200

Design Criteria New MSWLF expansion 173-351-300

- ☐ 0849-New MSWLF units and expansions have approved liner & leachate collection system construction

Groundwater sampling and analysis requirements WAC 173-351-410

- ☐ 0853-Roundwater monitoring must be accordance with an approved sampling / analysis document

Liquids Restrictions

- ☐ 0826-Containers holding liquid waste may not be placed in a MSWLF unit unless meet 200 (9)(b)(i-iii)

MSLF Groundwater reporting WAC 173-351-415

- ☐ 0854-Annual groundwater report due by April 1st
- ☐ 0855-Quarterly groundwater monitoring reports submitted

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

- ☐ 0740-Embankments and slopes must be maintained and be in good condition
- ☐ 0741-Freeboard for the surface impoundment is > 18 inches or as specified per the permit

Ground Water monitoring requirment for surface impoundment and tanks

- ☐ 0766-Surface impoundments not equipped with a leak detection layer must meet WAC 173-350-500
- ☐ 0767-Surface impoundments w/a leak detection layer are subject to WAC 173-350-040 (5),173-350-330(b)

OUT

Operating standards - Surface Impoundments and tanks

- ☐ 0750-Must prevent overfilling and maintain required freeboard = 18 inches from wave action/precip
- ☐ 0751-Must control access to the site
- ☐ 0752-Must control nuisance odors for wastes or liquids
- ☐ 0753-Must control birds at impoundments storing wastes capable of attracting birds
- ☐ 0754-Records kept of weekly inspections and liner inspections at least every 5 years
- ☐ 0755-Daily records kept on-site of the quantity and type of wastes removed for at least 5 years

Operating Criteria WAC 173-351-200

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- ☐ 0819-Lockable gate at each entry must be maintained and in good condition

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- ☐ 0816-MSWLF units must meet all applicable air standards
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- ☐ 0806-Approved cover material must be applied at a depth of 6 in# at the end of the day or as needed
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System Design

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- ☐ 0863-Permit Required

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SOLID WASTE INSPECTION REPORT

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ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Tuesday, February 14, 2017 Time In: 10:30 am Time Out: 11:45 am Inspector: Darshan Dhillon Result: SATISFACTORY Average Food Safety Rating:

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

OBSERVATIONS:

1. Operating records were kept up-to-date and available for inspection.
NOTE: Maintaining Operating records was marked as a violation in the inspection conducted on 1/17/2017. On 2/14/2017, It was discovered that operating records were maintained and kept in the lower slot of the filing cabinet. Scott Barden, Assistant Operations Manger was not aware of the exact storage location of the records. Therefore, maintaining operating records was marked as a violation on 1/17/2017. However, records were examined on 2/14/2017 and found to be in compliance with regulations.
2. All of the groundwater monitoring wells were marked and locked properly.
3. Water was observed in the leak detection chamber located between CSW and SW ponds. Water might have penetrated into the leak detection well during heavy episodes of rain and snow events. However, KCSWD advised to conduct pH and conductivity tests on the water accumulated in the leak detection chamber and on the CSW pond to rule out any leaks in the CSW pond liners.
4. More than 18 inches of free board was available in all of the ponds to accommodate sudden surges due to recent events of snow and heavy rains.
5. Four eagles were perching around the active cell disposal area.
6. No bubbles were observed from the water puddles located on top of the landfill area.
7. Workers were wearing required PPE
8. Michael Hoover HEI I was on duty to spot incoming prohibited waste and direct it appropriately. Michael has 40 hours of HAZWOPER training and asbestos removal and disposal training. He also has 24 hours of HHW training.
9. According to Michael a HHW load was diverted to Factoria HHW station to properly dispose of HHW.
10. Safety training was provided on 2/8/2017 by Scott Barden and the topic of the training was ladders, steps and stairs. 22 workers attended that training.



Darshan Dhillon
HEI III

PIC Phone #: 206-263-8863

Email: scott.barden@kingcounty.gov

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OUT**Additional Operating Criteria WAC 173-351-220(1)**

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ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Tuesday, March 21, 2017 Time In: 10:15 am Time Out: 12:00 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

-

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS:

1. Plastic cover from the Factoria stock piles located in Area 5 has been flown away by the wind. Please recover the stock piles and make it more secure against the wind.
2. Wheel wash area needs to be refilled with water there was not enough water for wheel washing.

OBSERVATIONS:

1. Weekly inspections have been kept up-to-date.
2. Silt fence located in the middle of the new CSW pond has been damaged by the Static Hydraulic Pressure and ecology blocks have been moved. It is being redesigned and will be replaced during dry season.
2. There is a pillow formed under the CSW double liner by the seepage from the groundwater and liners have been lifter up in the Northwest corner of the CSW pond. The design engineer BHC consultants has been informed about this pillowing.
3. Workers at the landfill site wearing required PPE.
4. There appears to be seepage flowing from the southwest corner of Area 8 pit towards northeast corner of the excavation.
5. Aerators pumps in the leachate pond area are operating properly.
6. LFG gas smells were very minimal.
7. Large number of eagles were congregating on and around the landfill area.
8. GW wells are safely locked with padlocks.

PIC Phone #: 206-263-8863

Email: scott.barden@kingcounty.gov

The following items are evaluated during inspections.
Violations cited as out of compliance during this inspection are highlighted below.

Out=out of compliance

OUT

OUT



Cedar Hills Area 5 Maintenance

for the period 01/01/2017 to 03/31/2017

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Area 5						
	CHAREA5	0000017344	CLOSED	Monthly Gas System PM	01/19/2017	N
	CHAREA5	0000017344	CLOSED	Monthly Stormwater PM	01/19/2017	N
	CHAREA5	0000017344	CLOSED	Monthly Cover System PM	01/19/2017	N
	CHAREA5	0000017477	CLOSED	Monthly Gas System PM	02/15/2017	N
	CHAREA5	0000017477	CLOSED	Monthly Stormwater PM	02/15/2017	N
	CHAREA5	0000017477	CLOSED	Monthly Cover System PM	02/15/2017	N
	CHAREA5	0000017618	CLOSED	Monthly Gas System PM	03/13/2017	N
	CHAREA5	0000017618	CLOSED	Monthly Stormwater PM	03/13/2017	N
	CHAREA5	0000017618	CLOSED	Monthly Cover System PM	03/13/2017	N
	CHAREA5E	0000017277	CLOSED	Monthly Header PM	01/23/2017	N
	CHAREA5E	0000017411	CLOSED	Monthly Header PM	02/28/2017	N
	CHAREA5E	0000017551	CLOSED	Monthly Header PM	03/10/2017	N
	CHAREA5W	0000017278	CLOSED	Monthly Header PM	01/23/2017	N
	CHAREA5W	0000017552	CLOSED	Monthly Header PM	03/10/2017	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 01/01/2017 to 03/31/2017

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
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Catch Basins

Cedar Hills	0000034708	CLOSED	PMM	01/05/2017	N
Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035051	CLOSED	PMM	01/31/2017	N
Cedar Hills	0000035329	CLOSED	PMM	03/07/2017	N
Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y

Control Structures

Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y

Trash Racks

Cedar Hills	0000034799	CLOSED	PMW	01/05/2017	N
Cedar Hills	0000034900	CLOSED	PMW	01/10/2017	N
Cedar Hills	0000034950	CLOSED	PMW	01/20/2017	Y
Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035016	CLOSED	PMW	01/24/2017	N
Cedar Hills	0000035085	CLOSED	PMW	01/30/2017	Y
Cedar Hills	0000035140	CLOSED	PMW	02/07/2017	Y
Cedar Hills	0000035206	CLOSED	PMW	02/14/2017	Y
Cedar Hills	0000035238	CLOSED	PMW	02/23/2017	Y
Cedar Hills	0000035346	CLOSED	PMW	03/02/2017	Y
Cedar Hills	0000035421	CLOSED	PMW	03/07/2017	Y
Cedar Hills	0000035459	CLOSED	PMW	03/16/2017	Y
Cedar Hills	0000035529	CLOSED	PMW	03/21/2017	Y
Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y
Cedar Hills	0000035614	CLOSED	PMW	03/28/2017	N

Ditches

Cedar Hills	0000034708	CLOSED	PMM	01/05/2017	N
Cedar Hills	0000034799	CLOSED	PMW	01/05/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000034900	CLOSED	PMW	01/10/2017	N
	Cedar Hills	0000034950	CLOSED	PMW	01/20/2017	Y
	Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
	Cedar Hills	0000035016	CLOSED	PMW	01/24/2017	N
	Cedar Hills	0000035049	CLOSED	PMI	01/31/2017	N
	Cedar Hills	0000035050	CLOSED	PMQ	01/31/2017	N
	Cedar Hills	0000035051	CLOSED	PMM	01/31/2017	N
	Cedar Hills	0000035085	CLOSED	PMW	01/30/2017	Y
	Cedar Hills	0000035140	CLOSED	PMW	02/07/2017	Y
	Cedar Hills	0000035206	CLOSED	PMW	02/14/2017	Y
	Cedar Hills	0000035238	CLOSED	PMW	02/23/2017	Y
	Cedar Hills	0000035329	CLOSED	PMM	03/07/2017	N
	Cedar Hills	0000035346	CLOSED	PMW	03/02/2017	Y
	Cedar Hills	0000035421	CLOSED	PMW	03/07/2017	Y
	Cedar Hills	0000035459	CLOSED	PMW	03/16/2017	Y
	Cedar Hills	0000035529	CLOSED	PMW	03/21/2017	Y
	Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y
	Cedar Hills	0000035614	CLOSED	PMW	03/28/2017	N

Pipes/Culverts

Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035049	CLOSED	PMI	01/31/2017	N
Cedar Hills	0000035050	CLOSED	PMQ	01/31/2017	N
Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y

Ponds/Lagoons

Cedar Hills	0000034799	CLOSED	PMW	01/05/2017	N
Cedar Hills	0000034900	CLOSED	PMW	01/10/2017	N
Cedar Hills	0000034950	CLOSED	PMW	01/20/2017	Y
Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035016	CLOSED	PMW	01/24/2017	N
Cedar Hills	0000035049	CLOSED	PMI	01/31/2017	N
Cedar Hills	0000035050	CLOSED	PMQ	01/31/2017	N
Cedar Hills	0000035085	CLOSED	PMW	01/30/2017	Y
Cedar Hills	0000035140	CLOSED	PMW	02/07/2017	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000035206	CLOSED	PMW	02/14/2017	Y
	Cedar Hills	0000035238	CLOSED	PMW	02/23/2017	Y
	Cedar Hills	0000035346	CLOSED	PMW	03/02/2017	Y
	Cedar Hills	0000035421	CLOSED	PMW	03/07/2017	Y
	Cedar Hills	0000035459	CLOSED	PMW	03/16/2017	Y
	Cedar Hills	0000035529	CLOSED	PMW	03/21/2017	Y
	Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y
	Cedar Hills	0000035614	CLOSED	PMW	03/28/2017	N

General

Cedar Hills	0000034799	CLOSED	PMW	01/05/2017	N
Cedar Hills	0000034900	CLOSED	PMW	01/10/2017	N
Cedar Hills	0000034950	CLOSED	PMW	01/20/2017	Y
Cedar Hills	0000035004	CLOSED	After Storm	01/19/2017	Y
Cedar Hills	0000035016	CLOSED	PMW	01/24/2017	N
Cedar Hills	0000035050	CLOSED	PMQ	01/31/2017	N
Cedar Hills	0000035085	CLOSED	PMW	01/30/2017	Y
Cedar Hills	0000035140	CLOSED	PMW	02/07/2017	Y
Cedar Hills	0000035206	CLOSED	PMW	02/14/2017	Y
Cedar Hills	0000035238	CLOSED	PMW	02/23/2017	Y
Cedar Hills	0000035346	CLOSED	PMW	03/02/2017	Y
Cedar Hills	0000035421	CLOSED	PMW	03/07/2017	Y
Cedar Hills	0000035459	CLOSED	PMW	03/16/2017	Y
Cedar Hills	0000035529	CLOSED	PMW	03/21/2017	Y
Cedar Hills	0000035540	CLOSED	After Storm	03/17/2017	Y
Cedar Hills	0000035614	CLOSED	PMW	03/28/2017	N

Leachate System

Cedar Hills	0000035050	CLOSED	PMQ	01/31/2017	N
CHPS1	0000034789	CLOSED	PMW	01/04/2017	N
CHPS1	0000034873	CLOSED	PMW	01/10/2017	N
CHPS1	0000034943	CLOSED	PMW	01/15/2017	N
CHPS1	0000034984	CLOSED	PMW	01/22/2017	N
CHPS1	0000035040	CLOSED	PMW	01/29/2017	N
CHPS1	0000035134	CLOSED	PMW	02/05/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS1	0000035195	CLOSED	PMW	02/14/2017	N
	CHPS1	0000035257	CLOSED	PMW	02/20/2017	N
	CHPS1	0000035291	CLOSED	PMW	02/28/2017	N
	CHPS1	0000035370	CLOSED	PMW	03/07/2017	N
	CHPS1	0000035466	CLOSED	PMW	03/14/2017	N
	CHPS1	0000035516	CLOSED	PMW	03/28/2017	N
	CHPS1	0000035517	CLOSED	PMW	03/21/2017	N
	CHPS2	0000034791	CLOSED	PMW	01/04/2017	N
	CHPS2	0000034872	CLOSED	PMW	01/10/2017	N
	CHPS2	0000034944	CLOSED	PMW	01/15/2017	Y
	CHPS2	0000034983	CLOSED	PMW	01/22/2017	N
	CHPS2	0000035039	CLOSED	PMW	01/29/2017	N
	CHPS2	0000035133	CLOSED	PMW	02/05/2017	N
	CHPS2	0000035194	CLOSED	PMW	02/14/2017	N
	CHPS2	0000035256	CLOSED	PMW	02/20/2017	Y
	CHPS2	0000035292	CLOSED	PMW	02/28/2017	N
	CHPS2	0000035371	CLOSED	PMW	03/07/2017	N
	CHPS2	0000035465	CLOSED	PMW	03/14/2017	N
	CHPS2	0000035515	CLOSED	PMW	03/21/2017	N
	CHPS2	0000035605	CLOSED	PMW	03/28/2017	N
	CHPS3	0000034793	CLOSED	PMW	01/04/2017	N
	CHPS3	0000034871	CLOSED	PMW	01/10/2017	N
	CHPS3	0000034945	CLOSED	PMW	01/15/2017	N
	CHPS3	0000034982	CLOSED	PMW	01/22/2017	N
	CHPS3	0000035037	CLOSED	PMW	01/29/2017	N
	CHPS3	0000035132	CLOSED	PMW	02/05/2017	N
	CHPS3	0000035192	CLOSED	PMW	02/14/2017	N
	CHPS3	0000035255	CLOSED	PMW	02/20/2017	N
	CHPS3	0000035293	CLOSED	PMW	02/28/2017	N
	CHPS3	0000035321	CLOSED	PMW	03/03/2017	Y
	CHPS3	0000035372	CLOSED	PMW	03/07/2017	N
	CHPS3	0000035464	CLOSED	PMW	03/14/2017	N
	CHPS3	0000035519	CLOSED	PMW	03/21/2017	N
	CHPS3	0000035604	CLOSED	PMW	03/28/2017	N
	CHPS4	0000034792	CLOSED	PMW	01/04/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS4	0000034870	CLOSED	PMW	01/10/2017	N
	CHPS4	0000034946	CLOSED	PMW	01/15/2017	Y
	CHPS4	0000034981	CLOSED	PMW	01/22/2017	Y
	CHPS4	0000035038	CLOSED	PMW	01/29/2017	Y
	CHPS4	0000035131	CLOSED	PMW	02/05/2017	Y
	CHPS4	0000035193	CLOSED	PMW	02/14/2017	N
	CHPS4	0000035254	CLOSED	PMW	02/20/2017	Y
	CHPS4	0000035294	CLOSED	PMW	02/28/2017	N
	CHPS4	0000035373	CLOSED	PMW	03/07/2017	N
	CHPS4	0000035463	CLOSED	PMW	03/14/2017	N
	CHPS4	0000035520	CLOSED	PMW	03/21/2017	Y
	CHPS4	0000035603	CLOSED	PMW	03/28/2017	N
	LEPS	0000034722	CLOSED	PMM	01/05/2017	Y
	LEPS	0000034722	CLOSED	PMM	01/05/2017	Y
	LEPS	0000034795	CLOSED	PMW	01/04/2017	N
	LEPS	0000034877	CLOSED	PMW	01/10/2017	N
	LEPS	0000034941	CLOSED	PMW	01/15/2017	N
	LEPS	0000034988	CLOSED	PMW	01/22/2017	N
	LEPS	0000035022	CLOSED	PMM	02/02/2017	Y
	LEPS	0000035022	CLOSED	PMM	02/02/2017	Y
	LEPS	0000035033	CLOSED	PMW	01/29/2017	N
	LEPS	0000035137	CLOSED	PMW	02/05/2017	N
	LEPS	0000035198	CLOSED	PMW	02/14/2017	N
	LEPS	0000035253	CLOSED	PMW	02/20/2017	Y
	LEPS	0000035288	CLOSED	PMW	02/28/2017	N
	LEPS	0000035323	CLOSED	PMM	03/03/2017	Y
	LEPS	0000035323	CLOSED	PMM	03/03/2017	Y
	LEPS	0000035368	CLOSED	PMW	03/07/2017	N
	LEPS	0000035470	CLOSED	PMW	03/14/2017	Y
	LEPS	0000035512	CLOSED	PMW	03/21/2017	N
	LEPS	0000035609	CLOSED	PMW	03/28/2017	Y

Landfill Cover

CHAPONDS	0000017342	CLOSED	PMV	01/19/2017	N
CHAPONDS	0000017475	CLOSED	PMV	02/15/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAPONDS	0000017616	CLOSED	PMV	03/13/2017	N
	CHAREA4	0000017343	CLOSED	PMV	01/19/2017	N
	CHAREA4	0000017476	CLOSED	PMV	02/15/2017	N
	CHAREA4	0000017617	CLOSED	PMV	03/13/2017	N
	CHAREA5	0000017344	CLOSED	PMV	01/19/2017	N
	CHAREA5	0000017477	CLOSED	PMV	02/15/2017	N
	CHAREA5	0000017618	CLOSED	PMV	03/13/2017	N
	CHAREA6	0000017345	CLOSED	PMV	01/19/2017	N
	CHAREA6	0000017478	CLOSED	PMV	02/15/2017	N
	CHAREA6	0000017619	CLOSED	PMV	03/13/2017	N
	CHAREAS23	0000017347	CLOSED	PMV	01/19/2017	N
	CHAREAS23	0000017480	CLOSED	PMV	02/15/2017	N
	CHAREAS23	0000017621	CLOSED	PMV	03/13/2017	N
	CHCENTRALPIT	0000017348	CLOSED	PMV	01/19/2017	N
	CHCENTRALPIT	0000017481	CLOSED	PMV	02/15/2017	N
	CHCENTRALPIT	0000017622	CLOSED	PMV	03/13/2017	N
	CHEMH	0000017349	CLOSED	PMV	01/19/2017	N
	CHEMH	0000017482	CLOSED	PMV	02/15/2017	N
	CHEMH	0000017623	CLOSED	PMV	03/13/2017	N
	CHNFLARESTN	0000017353	CLOSED	PMV	01/19/2017	N
	CHNFLARESTN	0000017486	CLOSED	PMV	02/15/2017	N
	CHNFLARESTN	0000017627	CLOSED	PMV	03/13/2017	N
	CHSEPA	0000017350	CLOSED	PMV	01/19/2017	N
	CHSEPA	0000017483	CLOSED	PMV	02/15/2017	N
	CHSEPA	0000017624	CLOSED	PMV	03/13/2017	N
	CHSSWA	0000017351	CLOSED	PMV	01/19/2017	N
	CHSSWA	0000017484	CLOSED	PMV	02/15/2017	N
	CHSSWA	0000017625	CLOSED	PMV	03/13/2017	N
	CHSTOCKPILE	0000017341	CLOSED	PMV	01/19/2017	N
	CHSTOCKPILE	0000017474	CLOSED	PMV	02/15/2017	N
	CHSTOCKPILE	0000017615	CLOSED	PMV	03/13/2017	N
	CHSWMH	0000017352	CLOSED	PMV	01/19/2017	N
	CHSWMH	0000017485	CLOSED	PMV	02/15/2017	N
	CHSWMH	0000017626	CLOSED	PMV	03/13/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
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Landfill Gas

CHAREA5E	0000017272	CLOSED	PMW	01/18/2017	N
CHAREA5E	0000017321	CLOSED	PMW	01/24/2017	N
CHAREA5E	0000017405	CLOSED	PMW	02/07/2017	N
CHAREA5E	0000017454	CLOSED	PMW	02/22/2017	N
CHAREA5E	0000017546	CLOSED	PMW	03/10/2017	N
CHAREA5E	0000017595	CLOSED	PMW	03/28/2017	N
CHAREA5W	0000017273	CLOSED	PMW	01/18/2017	N
CHAREA5W	0000017322	CLOSED	PMW	01/24/2017	N
CHAREA5W	0000017406	CLOSED	PMW	02/07/2017	N
CHAREA5W	0000017410	CLOSED	PMW	02/22/2017	N
CHAREA5W	0000017455	CLOSED	PMW	02/22/2017	N
CHAREA5W	0000017547	CLOSED	PMW	03/10/2017	N
CHAREA5W	0000017596	CLOSED	PMW	03/28/2017	N
CHAREA6	0000017274	CLOSED	PMW	01/05/2017	N
CHAREA6	0000017323	CLOSED	PMW	01/19/2017	N
CHAREA6	0000017407	CLOSED	PMW	02/01/2017	N
CHAREA6	0000017456	CLOSED	PMW	02/15/2017	N
CHAREA6	0000017548	CLOSED	PMW	03/01/2017	N
CHAREA6	0000017597	CLOSED	PMW	03/16/2017	N
CHAREAS23	0000017226	CLOSED	PMW	01/26/2017	N
CHAREAS23	0000017291	CLOSED	PMW	01/11/2017	N
CHAREAS23	0000017358	CLOSED	PMW	02/02/2017	N
CHAREAS23	0000017424	CLOSED	PMW	02/21/2017	N
CHAREAS23	0000017499	CLOSED	PMW	03/09/2017	N
CHAREAS23	0000017565	CLOSED	PMW	03/29/2017	N
CHCMH	0000017249	CLOSED	PMW	01/10/2017	N
CHCMH	0000017304	CLOSED	PMW	01/30/2017	N
CHCMH	0000017381	CLOSED	PMW	02/15/2017	N
CHCMH	0000017437	CLOSED	PMW	02/21/2017	N
CHCMH	0000017523	CLOSED	PMW	03/07/2017	N
CHCMH	0000017578	CLOSED	PMW	03/29/2017	N
CHEMH	0000017237	CLOSED	PMW	01/04/2017	N
CHEMH	0000017296	CLOSED	PMW	01/24/2017	N
CHEMH	0000017369	CLOSED	PMW	02/01/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHEMH	0000017429	CLOSED	PMW	02/24/2017	N
	CHEMH	0000017511	CLOSED	PMW	03/06/2017	N
	CHEMH	0000017570	CLOSED	PMW	03/28/2017	N
	CHSEPA	0000017238	CLOSED	PMW	01/06/2017	N
	CHSEPA	0000017297	CLOSED	PMW	01/24/2017	N
	CHSEPA	0000017372	CLOSED	PMW	02/02/2017	N
	CHSEPA	0000017430	CLOSED	PMW	02/22/2017	N
	CHSEPA	0000017512	CLOSED	PMW	03/08/2017	N
	CHSEPA	0000017571	CLOSED	PMW	03/15/2017	N

Landfill Roads

CHACTIVEAREA	0000017332	CLOSED	PMR	01/19/2017	N
CHACTIVEAREA	0000017465	CLOSED	PMR	02/15/2017	N
CHACTIVEAREA	0000017606	CLOSED	PMR	03/13/2017	N
CHMAINGATE	0000017333	CLOSED	PMR	01/19/2017	N
CHMAINGATE	0000017466	CLOSED	PMR	02/15/2017	N
CHMAINGATE	0000017607	CLOSED	PMR	03/13/2017	N
CHPSR	0000017334	CLOSED	PMR	01/19/2017	N
CHPSR	0000017467	CLOSED	PMR	02/15/2017	N
CHPSR	0000017608	CLOSED	PMR	03/13/2017	N
CHSTOCKPILE	0000017341	CLOSED	PMR	01/19/2017	N
CHSTOCKPILE	0000017474	CLOSED	PMR	02/15/2017	N
CHSTOCKPILE	0000017615	CLOSED	PMR	03/13/2017	N

Landfill Roads

Sweeper	0	see Equipment Operator Spreadsheet	NA	0	N
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Equipment

Click the word 'Equipment' to see Work Order Numbers

Appendix B:

Gas Monitoring Reports

No EXCEPTION DETECTION.

NO EXCESSIVE DISTORTION.

A graph on a grid with a diagonal line and the text "No EXCEEDENCE DETECTED".

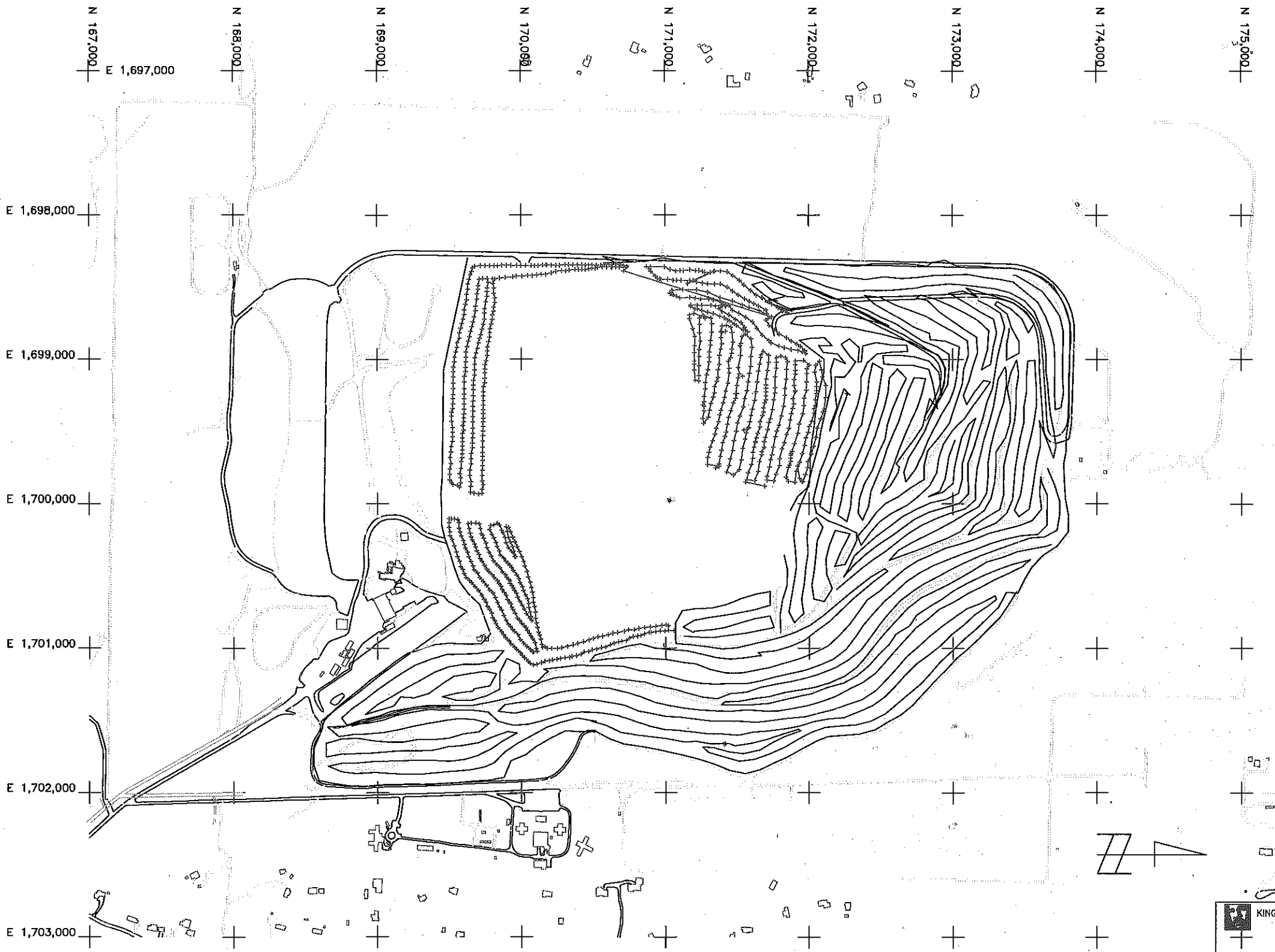
A graph on a grid with a diagonal line and the text "No EXCLUDED DETECTED". The grid consists of 10 columns and 10 rows. A diagonal line starts at the top-left corner (0, 10) and ends at the bottom-right corner (10, 0). The text "No EXCLUDED DETECTED" is written in the upper-middle part of the grid, centered around the intersection of the diagonal line and the 5th vertical grid line.

NO EXCESSIVE DISTORTION.

[illegible]

Cedar Hills Regional Landfill Quarterly Surface Emission Monitoring Plot of GPS Generated Track Lines

MARCH 2017
 Scale 1"=800'



KING COUNTY SOLID WASTE
 201 S JACKSON ST. SUITE 701
 SEATTLE, WA 98104-3535

NEW QUARTERLY SOLID WASTE
 MONITORING
 TRACK LINES

CEDAR HILLS REGIONAL LANDFILL
 SCALE 1"=800'
 DATE OF REVISION: 03-27-17

UTM COORDINATES
 N 167,000
 N 168,000
 N 169,000
 N 170,000
 N 171,000
 N 172,000
 N 173,000
 N 174,000
 N 175,000

UTM COORDINATES
 E 1,697,000
 E 1,698,000
 E 1,699,000
 E 1,700,000
 E 1,701,000
 E 1,702,000
 E 1,703,000

KING COUNTY DEPARTMENT OF NATURAL RESOURCES AND PARKS Christia True, Director SOLID WASTE DIVISION CEDAR HILLS QUARTERLY GAS EMISSIONS MONITORING		
APPROVED	DATE 03-27-17	
RECOMMENDED	DATE	
DESIGNED FJM	DRAWN FJM	
PROJECT NO.	SURVEY NO.	SHEET 1 OF 1

DATE	REVISION	BY

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CEDAR HILLS License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017487

Date In: 02/25/2017 07:19

Date Promised: 02/26/2017 07:19

Date Out: 00:00

WO Status: A Last WO#: 0000017464

WO Priority: Last WO Date: 02/13/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

Cedar Hills

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
I	A - SET AN ANNUAL DATE	07/15/2017	Annual Inspection
Q	0 - MONTHS	03/30/2017	Quarterly Inspection
S	0 - MONTHS	07/15/2017	Scheduled Inspection
X	0 - MONTHS	03/10/2017	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service PHQ per list Billable Scheduled, Target	0	761 <i>773</i>	0.00000	
PMQ BS	PM Service PHQ per list Billable Scheduled, Target	0	762 <i>JD</i>	0.00000	

NOTES

Work Order Task List

Repair Code: PMQ BS

Equipment: CEDAR HILLS

Work Order: 0000017487

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Ck liner integrity- Serpentine walk	☒				
	1	Gas- Ck liner integrity- Serpentine walk	☒				

3-15-17 - 10 HR

35 hrs.

3-16-17 - 10 HR

3-20-17 10 HR

3-21-17 5 HR

3-22-17 10 W

3-23-17 5 W

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA5 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017344**

Date In: 01/03/2017 13:07

Date Promised: 01/04/2017 13:07

Date Out: 00:00

WO Status: A Last WO#: 0000017209

WO Priority: Last WO Date: 12/09/2016

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2017	Gas System
T	0 - MONTHS	01/10/2017	Stormwater
V	0 - MONTHS	01/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	763	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	763	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	763	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	✓				
Gas Visually inspect disposal system	✓				
Gas Verify daily odor log is current	✓				
Gas Note any deficiencies					

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	✓				
Gas Visually inspect lagoons	✓				
Gas Visually inspect catch basins	✓				
Gas Visually inspect control structures	✓				
Gas Visually inspect conveyance pipes	✓				
Gas Note any deficiencies					

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	✓				
Gas Visually inspect refuse	✓				
Gas Visually inspect cover	✓				
Gas Visually inspect erosion	✓				
Gas Note any deficiencies					

DATE: 1/16/17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

TECHNICIAN COPY

**WO#: 0000017477**

Date In: 02/13/2017 11:41

Date Promised: 02/14/2017 11:41

Date Out: 00:00

WO Status: A Last WO#: 0000017344

WO Priority: Last WO Date: 01/03/2017

Track DownTime: Y Operator: WG

Equipment: CHAREA5 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2017	Gas System
T	0 - MONTHS	01/10/2017	Stormwater
V	0 - MONTHS	01/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	✓				
Gas Visually inspect disposal system	✓				
Gas Verify daily odor log is current	✓				
Gas Note any deficiencies	✓				

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	✓				
Gas Visually inspect lagoons	✓				
Gas Visually inspect catch basins	✓				
Gas Visually inspect control structures	✓				
Gas Visually inspect conveyance pipes	✓				
Gas Note any deficiencies	✓				

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	✓				
Gas Visually inspect refuse	✓				
Gas Visually inspect cover	✓				
Gas Visually inspect erosion	✓				
Gas Note any deficiencies	✓				

DATE: 2-15-17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA5 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017618**

Date In: 02/25/2017 10:47

Date Promised: 02/26/2017 10:47

Date Out: 00:00

WO Status: A Last WO#: 0000017477

WO Priority: Last WO Date: 02/13/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	03/10/2017	Gas System
T	0 - MONTHS	03/10/2017	Stormwater
V	0 - MONTHS	03/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	761	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	761	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	761	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	✓				
Gas Visually inspect disposal system	✓				
Gas Verify daily odor log is current	✓				
Gas Note any deficiencies					

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	✓				
Gas Visually inspect lagoons	✓				
Gas Visually inspect catch basins	✓				
Gas Visually inspect control structures	✓				
Gas Visually inspect conveyance pipes	✓				
Gas Note any deficiencies					

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	✓				
Gas Visually inspect refuse	✓				
Gas Visually inspect cover	✓				
Gas Visually inspect erosion	✓				
Gas Note any deficiencies					

DATE: 3-13-17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017345**

Date In: 01/03/2017 13:08

Date Promised: 01/04/2017 13:08

Date Out: 00:00

WO Status: A Last WO#: 0000017323

WO Priority: Last WO Date: 01/03/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2017	Gas System
S	0 - MONTHS	01/28/2017	Scheduled Inspection
T	0 - MONTHS	01/10/2017	Stormwater
V	0 - MONTHS	01/10/2017	Cover System
W	W - WEEKS	01/06/2017	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	763	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	763	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	763	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	/				
Gas Visually inspect disposal system	/				
Gas Verify daily odor log is current	/				
Gas Note any deficiencies					

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	/				
Gas Visually inspect lagoons	/				
Gas Visually inspect catch basins	/				
Gas Visually inspect control structures	/				
Gas Visually inspect conveyance pipes	/				
Gas Note any deficiencies					

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	/				
Gas Visually inspect refuse	/				
Gas Visually inspect cover	/				
Gas Visually inspect erosion	/				
Gas Note any deficiencies					

DATE: 1/19/17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6 License: na

Location: 20

Year: 2006

Make: UD

Model: UD

Class: ZZZZZZZZGS: Landfill Gas - not classified

Color:

Serial: na

Engine:

TECHNICIAN COPY

**WO#: 0000017478**

Date In: 02/13/2017 11:42

Date Promised: 02/14/2017 11:42

Date Out: 00:00

WO Status: A Last WO#:0000017456

WO Priority: Last WO Date: 02/13/2017

Track DownTime: Y Operator: WG

Tire Size 1:

Tire Size 2:

Transmission:

Fuel Type1:

Fuel Type2:

Fuel Type3:

Oil Capacity: 0.000

Fuel Cap1: 0.000

Fuel Cap2: 0.000

GVW: 0

EAC: 24

Department: 7572:Waste Water, LF Gas

Company: Gas King County Landfill Gas

Site: 20:20- Cedar Hills

Monitor Group:

Comments:

CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2017	Gas System
S	0 - MONTHS	02/28/2017	Scheduled Inspection
T	0 - MONTHS	01/10/2017	Stormwater
V	0 - MONTHS	01/10/2017	Cover System
W	W - WEEKS	02/03/2017	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	✓				
Gas Visually inspect disposal system	✓				
Gas Verify daily odor log is current	✓				
Gas Note any deficiencies	✓				

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	✓				
Gas Visually inspect lagoons	✓				
Gas Visually inspect catch basins	✓				
Gas Visually inspect control structures	✓				
Gas Visually inspect conveyance pipes	✓				
Gas Note any deficiencies	✓				

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	✓				
Gas Visually inspect refuse	✓				
Gas Visually inspect cover	✓				
Gas Visually inspect erosion	✓				
Gas Note any deficiencies	✓				

DATE: 2-15-17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017619

Date In: 02/25/2017 10:48

Date Promised: 02/26/2017 10:48

Date Out: 00:00

WO Status: A Last WO#:0000017597

WO Priority: Last WO Date: 02/25/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	03/10/2017	Gas System
S	0 - MONTHS	02/28/2017	Scheduled Inspection
T	0 - MONTHS	03/10/2017	Stormwater
V	0 - MONTHS	03/10/2017	Cover System
W	W - WEEKS	02/03/2017	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service PM Gas System Billable Scheduled, Target	0	761	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	761	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	761	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	/				
Gas Visually inspect disposal system	/				
Gas Verify daily odor log is current	/				
Gas Note any deficiencies					

PMT BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect ponds	/				
Gas Visually inspect lagoons	/				
Gas Visually inspect catch basins	/				
Gas Visually inspect control structures	/				
Gas Visually inspect conveyance pipes	/				
Gas Note any deficiencies					

PMV BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect vegetation	/				
Gas Visually inspect refuse	/				
Gas Visually inspect cover	/				
Gas Visually inspect erosion	/				
Gas Note any deficiencies					

DATE: 3-13-17

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA5TD License: na

Location: 20

Color:

Year: 2010

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017251**

Date In: 01/03/2017 10:33

Date Promised: 01/04/2017 10:33

Date Out: 00:00

WO Status: A Last WO#: 0000017144

WO Priority: Last WO Date: 12/06/2016

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	761	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA5TD

Work Order: 0000017251

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	✓				
	2	Gas- Ck for damage @ flare station inlet	✓				
	3	Gas- Ck collection field pipe integrity	✓				
	4	Gas- Ck collection field pipe alignment	✓				
	5	Gas- Ck for damage @ possible stress pts	✓				
	6	Gas- Ck for damage at vertical pipes	✓				
	7	Gas- Ck for damage at well heads	✓				
	8	Gas- Ck for gas leaks with TVA 1000	✓				
	9	Gas- Ck for settlement/ponding	✓				
	10	Gas- Ck surface water conveyance system	✓				
	11	Gas- Ck and open vault covers	✓				
	12	Gas- Exercise field and header valves	✓				
	13	Gas- Ck flex hoses and connections	✓				
	14	Gas- Ck for erosion	✓				
	15	Gas- Ck for vegetation	✓				
	16	Gas- Ck cover system	✓				
	17	Gas- Ck for refuse/litter	✓				
	18	Gas- Note any deficiencies	✓				

1-25-17

30 min

WO Company: Gas King County Landfill Gas
 WO Department: 7572 Waste Water, LF Gas
 WO Shop: Gas Landfill Gas

Equipment: CHAREA5TD License: na

Location: 20 Color:
 Year: 2010 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017383

Date In: 02/06/2017 10:23

Date Promised: 02/07/2017 10:23

Date Out: 00:00

WO Status: A Last WO#: 0000017251

WO Priority: Last WO Date: 01/03/2017

Track DownTime: Y Operator: WG

Tire Size 1:	GVW:	0
Tire Size 2:	EAC:	24
Transmission:	Department:	7572:Waste Water, LF Gas
Fuel Type1:	Company:	Gas King County Landfill Gas
Fuel Type2:	Site:	20:20- Cedar Hills
Fuel Type3:	Monitor Group:	
Oil Capacity: 0.000	Comments:	
Fuel Cap1: 0.000	CH Area 5	
Fuel Cap2: 0.000		

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	03/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	750 <i>RB</i>	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA5TD

Work Order: 0000017383

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	☒				
	2	Gas- Ck for damage @ flare station inlet	☒				
	3	Gas- Ck collection field pipe integrity	☒				
	4	Gas- Ck collection field pipe alignment	☒				
	5	Gas- Ck for damage @ possible stress pts	☒				
	6	Gas- Ck for damage at vertical pipes	☒				
	7	Gas- Ck for damage at well heads	☒				
	8	Gas- Ck for gas leaks with TVA 1000	☒				
	9	Gas- Ck for settlement/ponding	☒				
	10	Gas- Ck surface water conveyance system	☒				
	11	Gas- Ck and open vault covers	☒				
	12	Gas- Exercise field and header valves	☒				
	13	Gas- Ck flex hoses and connections	☒				
	14	Gas- Ck for erosion	☒				
	15	Gas- Ck for vegetation	☒				
	16	Gas- Ck cover system	☒				
	17	Gas- Ck for refuse/litter	☒				
	18	Gas- Note any deficiencies	☒				

2/14/17

45 min.

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA5TD License: na

Location: 20

Color:

Year: 2010

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017525**

Date In: 02/25/2017 09:03

Date Promised: 02/26/2017 09:03

Date Out: 00:00

WO Status: A Last WO#:0000017383

WO Priority: Last WO Date: 02/06/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	03/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	763	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA5TD

Work Order: 0000017525

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
3/17	1	Gas- Visually inspect Header	/				
	2	Gas- Ck for damage @ flare station inlet	/				
	3	Gas- Ck collection field pipe integrity	/				
	4	Gas- Ck collection field pipe alignment	/				
	5	Gas- Ck for damage @ possible stress pts	/				
	6	Gas- Ck for damage at vertical pipes	/				
	7	Gas- Ck for damage at well heads	/				
	8	Gas- Ck for gas leaks with TVA 1000	/				
	9	Gas- Ck for settlement/ponding	/				
	10	Gas- Ck surface water conveyance system	/				
	11	Gas- Ck and open vault covers	/				
	12	Gas- Exercise field and header valves	/				
	13	Gas- Ck flex hoses and connections	/				
	14	Gas- Ck for erosion	/				
	15	Gas- Ck for vegetation	/				
	16	Gas- Ck cover system	/				
	17	Gas- Ck for refuse/litter	/				
	18	Gas- Note any deficiencies	/				

30m

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6TD License: na

Location: 20

Color:

Year: 2010

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017279**

Date In: 01/03/2017 10:59

Date Promised: 01/04/2017 10:59

Date Out: 00:00

WO Status: A Last WO#: 0000017143

WO Priority: Last WO Date: 12/06/2016

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	01/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA6TD

Work Order: 0000017279

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	✓				
	2	Gas- Ck for damage @ flare station inlet	✓				
	3	Gas- Ck collection field pipe integrity	✓				
	4	Gas- Ck collection field pipe alignment	✓				
	5	Gas- Ck for damage @ possible stress pts	✓				
	6	Gas- Ck for damage at vertical pipes	✓				
	7	Gas- Ck for damage at well heads	✓				
	8	Gas- Ck for gas leaks with TVA 1000	✓				
	9	Gas- Ck for settlement/ponding	✓				
	10	Gas- Ck surface water conveyance system	✓				
	11	Gas- Ck and open vault covers	✓				
	12	Gas- Exercise field and header valves	✓				
	13	Gas- Ck flex hoses and connections	✓				
	14	Gas- Ck for erosion	✓				
	15	Gas- Ck for vegetation	✓				
	16	Gas- Ck cover system	✓				
	17	Gas- Ck for refuse/litter	✓				
	18	Gas- Note any deficiencies	✓				

1 hr

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6TD License: na

Location: 20

Color:

Year: 2010

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017412**

Date In: 02/06/2017 12:41

Date Promised: 02/07/2017 12:41

Date Out: 00:00

WO Status: A Last WO#: 0000017279

WO Priority: Last WO Date: 01/03/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	761	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA6TD

Work Order: 0000017412

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	/				
	2	Gas- Ck for damage @ flare station inlet	/				
	3	Gas- Ck collection field pipe integrity	/				
	4	Gas- Ck collection field pipe alignment	/				
	5	Gas- Ck for damage @ possible stress pts	/				
	6	Gas- Ck for damage at vertical pipes	/				
	7	Gas- Ck for damage at well heads	/				
	8	Gas- Ck for gas leaks with TVA 1000	/				
	9	Gas- Ck for settlement/ponding	/				
	10	Gas- Ck surface water conveyance system	/				
	11	Gas- Ck and open vault covers	/				
	12	Gas- Exercise field and header valves	/				
	13	Gas- Ck flex hoses and connections	/				
	14	Gas- Ck for erosion	/				
	15	Gas- Ck for vegetation	/				
	16	Gas- Ck cover system	/				
	17	Gas- Ck for refuse/litter	/				
	18	Gas- Note any deficiencies	/				

2-28-17

Zomin

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: CHAREA6TD License: na

Location: 20

Color:

Year: 2010

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017553**

Date In: 02/25/2017 09:27

Date Promised: 02/26/2017 09:27

Date Out: 00:00

WO Status: A Last WO#: 0000017412

WO Priority: Last WO Date: 02/06/2017

Track DownTime: Y Operator: WG

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2017	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	750	RB	0.00000 Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA6TD

Work Order: 0000017553

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	/				
	2	Gas- Ck for damage @ flare station inlet	/				
	3	Gas- Ck collection field pipe integrity	/				
	4	Gas- Ck collection field pipe alignment	/				
	5	Gas- Ck for damage @ possible stress pts	/				
	6	Gas- Ck for damage at vertical pipes	/				
	7	Gas- Ck for damage at well heads	/				
	8	Gas- Ck for gas leaks with TVA 1000	/				
	9	Gas- Ck for settlement/ponding	/				
	10	Gas- Ck surface water conveyance system	/				
	11	Gas- Ck and open vault covers	/				
	12	Gas- Exercise field and header valves	/				
	13	Gas- Ck flex hoses and connections	/				
	14	Gas- Ck for erosion	/				
	15	Gas- Ck for vegetation	/				
	16	Gas- Ck cover system	/				
	17	Gas- Ck for refuse/litter	/				
	18	Gas- Note any deficiencies	/				

3/30/17

30 min.