

CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

Second Quarter 2017



King County

Department of
Natural Resources and Parks
Solid Waste Division

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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)	☒	3
Notification of statistical increase (if applicable)	420, (4)	☒	3
Notification of concentrations above Chapter 173-200 WAC criteria (if any)	430, (4)	☒	27
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)	☒	29
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	☐	
Trilinear diagrams	430, (5b)	☒	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. Hurd
 Signature of Report Author

August 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.

Name: Laura Belt P.E.	Title: Supervising Engineer, Facility Engineering and Science Unit	Date: August 31, 2017
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EXPIRES 8/10/2019

**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 Second 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 second 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).

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

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 up-gradient of CHRLF.

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. This quarter, semi-annually monitored wells are also included resulting in more exceedances overall as compared to last quarter due to more samples collected. This quarter to quarter increase does not indicate a change in water quality.

Changes made to the guidance for analytical testing methodologies covered by SW-846 (Test Methods for Evaluating Solid Waste) were implemented in 2017. One specific effect of these changes was to replace the Method Detection Limit (MDL) methodology with the Lower Limit of Quantitation (LLOQ) methodology as the basis for determining the lowest quantitative value of an analyte that can be reported. This affected all methods covered within SW-486.

The LLOQ is a performance based methodology that tests known standards repeatedly to create a calibration curve for a specific method. Commonly, the lowest concentration of the (linear) calibration curve is set as the LLOQ. However, in some cases the LLOQ may be greater than the baseline curve concentration due to lab specific factors such as instrument sensitivity and method analytical uncertainty.

During the second quarter of 2017, the transition to using the LLOQ methodology resulted in revised reporting limits for a number of analytes. Quantitation limits for all trace metals (i.e. non-major cationic species metals), and a subset of the VOCs analyzed for regularly are lower than past analyses, while some VOCs have higher or the same limits as before. As a result of these changes, previously unobserved trace metals in a number of wells are now reported at concentrations below previous limits.

Further information is available in both Appendix B: Field and Analytical Test Results, and in the discussion of exceedances below.

Exceedances of the Primary Ground Water Quality Criteria were observed for total arsenic as follows:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-66, MW-81, MW -82, MW-83, MW-84, MW-93, MW-94	MW-68, MW-69, MW-74, MW-75, MW-80, MW-85, MW-87
Semi-Annually Sampled Wells	MW-21, MW-24, MW-56, MW-64, MW-65, MW-73, MW-76, MW-95	MW-67, MW-86, MW-88, MW-89, MW-100

Exceedances of the Secondary Ground Water Quality Criteria were observed for dissolved iron as follows:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59	MW-68, MW-69, MW-72, MW-75, MW-80, MW-87
Semi-Annually Sampled Wells	MW-21, MW-24, MW-65	MW-86, MW-89, MW-100

Exceedances of the Secondary Ground Water Quality Criteria were observed for dissolved manganese as follows:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-93	MW-68, MW-69, MW-72, MW-75, MW-80, MW-87
Semi-Annually Sampled Wells	MW-21, MW-24, MW-56, MW-64, MW-65, MW-95	MW-67, MW-89, MW-100

Primary and secondary exceedances of regulatory standards are tabulated and presented in Table 3. This result set contains more exceedances for both primary and secondary criteria due to the switch to LLOQ methodology (as explained previously) versus 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 and summarized below.

Result values greater than UPLs for Appendix I parameters this quarter include:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-66 (Selenium), MW-81 (Barium), MW-83 (Nitrate), MW-93 (Barium), MW-94 (Copper, Barium)	None.
Semi-Annually Sampled Wells	MW-65 (Arsenic), MW-82 (Nickel)	MW-89 (Arsenic, Barium), MW-100 (Nickel)

Note: MW-73 UPL exceedances not included in this listing (see discussion below).

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)*.

Due to the change to the LLOQ methodology change, there will be a need to re-establish background data sets for any parameters with modified reporting limits in order to maintain statistical integrity and support hypothesis testing conclusions.

Previous UPL exceedances that have completed the re-testing protocol include MW-83 for copper and MW-86 for arsenic.

An important consideration when reviewing analytical test data is to examine the uncertainty associated with the measurement of each analyte. In some cases, this uncertainty can be greater than the degree of confidence a prediction limit spans due to the 'noise' that is intrinsic to analytical testing methods. When a UPL and reporting limit (MDL or LLOQ) are close in magnitude, this effect increases the uncertainty around whether an exceedance did or did not occur. Arsenic exceedances are an example of such a case. Both the UPL and detection limit for arsenic are typically quite low (parts per billion), which causes the result to be subject to both the uncertainty within the calculation of the UPL, and the noise inherent to analytical method used to detect at a low target detection/quantitation limit.

To further control for analytical uncertainty, examination of UPL exceedances is conducted on a case by case basis when anomalous data is encountered. The UPL exceedances for second quarter of 2017 for MW-73 were examined within this framework. UPL exceedances of trace metals not previously observed prior to second quarter of 2017 were observed for MW-73, including: arsenic, barium, lead, nickel, selenium, vanadium, and zinc. When a review of the data was conducted, it was found that values for total suspended solids (TSS = 128 mg/L), and field turbidity (time of sampling) (50.1 NTU) were both elevated over historical values. Both analytes provide evidence that sediments had likely been mobilized during the sampling event. This would artificially increase the total metals concentration and thereby make the sample unrepresentative of aquifer conditions. Based on this rationale, MW-73 will be retested once and a representative sample obtained, whereby those results will determine the need for further retesting protocol.

NOTE: UPLs exceedances for MW-73 were included in Table 5, but not summarized in the table above to distinguish between those analytes that are entering the retesting protocol, and MW-73.

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. Detected in quarterly monitored wells were trichloroethene (TCE) in monitoring wells MW-83 and MW-94, and *cis*-1,2-dichloroethene detected in MW-59. In semi-annually monitored wells, tetrachloroethene (PCE) was detected in MW-76; TCE in MW-82 and MW-76; *cis*-1,2-dichloroethene in MW-56 and MW-76; and, vinyl chloride in MW-65. These upgradient well detections are consistent with past data and 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 from perched zones wells collected during the second quarter of 2017 are consistent with previous samples.

Additionally, MW-101 was analyzed for the extended analyte list in WAC 173-351-990 Appendix III per the SAP. None of the additional target analytes were detected.

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

This quarter, MW-105 was monitored for specific conductance per the SAP and was found to be consistent with previous characterizations (130 $\mu\text{mhos/cm}$).

Exceedances of regulatory standards for the perched zone wells are tabulated and presented in Table 7. All are consistent with past analyses and known impacts.

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 and vanadium in MW-30A exceeded the calculated UPLs this quarter.

MW-30A also had a nitrate UPL exceedance occurred this quarter; however, a historical review of the data at that monitoring location indicates that there is a long-term history of similar nitrate concentrations as seen during the second quarter of 2017. Upon

considering the fact that the EPZ is already under current investigation, MW-30A will not into retesting protocol for nitrate at this time. Future results will continue to be monitored and UPL exceedances calculated quarterly.

Volatile Organic Compound detections in the perched zones are presented in Table 10. Multiple new detections are listed in the table due to switch to LLOQ methodology, which lowered the detection limit for a variety of VOCs. These data points are qualified 'JT' in Table 10. All other analytes are consistent with past analyses and known impacts.

1.2 Storm Water

Cedar Hills Regional Landfill is covered by an Industrial Stormwater General Permit (ISGWP) 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 twice a month. In January of 2017, 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 stormwater runoff discharged from the landfill site are compared to the limits set in the ISWGP. The following is a brief description of the standards and analytical tools used to review each matrix.

2.1 Regulatory Standards

Groundwater monitoring results are compared to Washington State Groundwater Quality Criteria, WAC 173-200 (Table 14). Stormwater monitoring results are compared to the ISWGP 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.

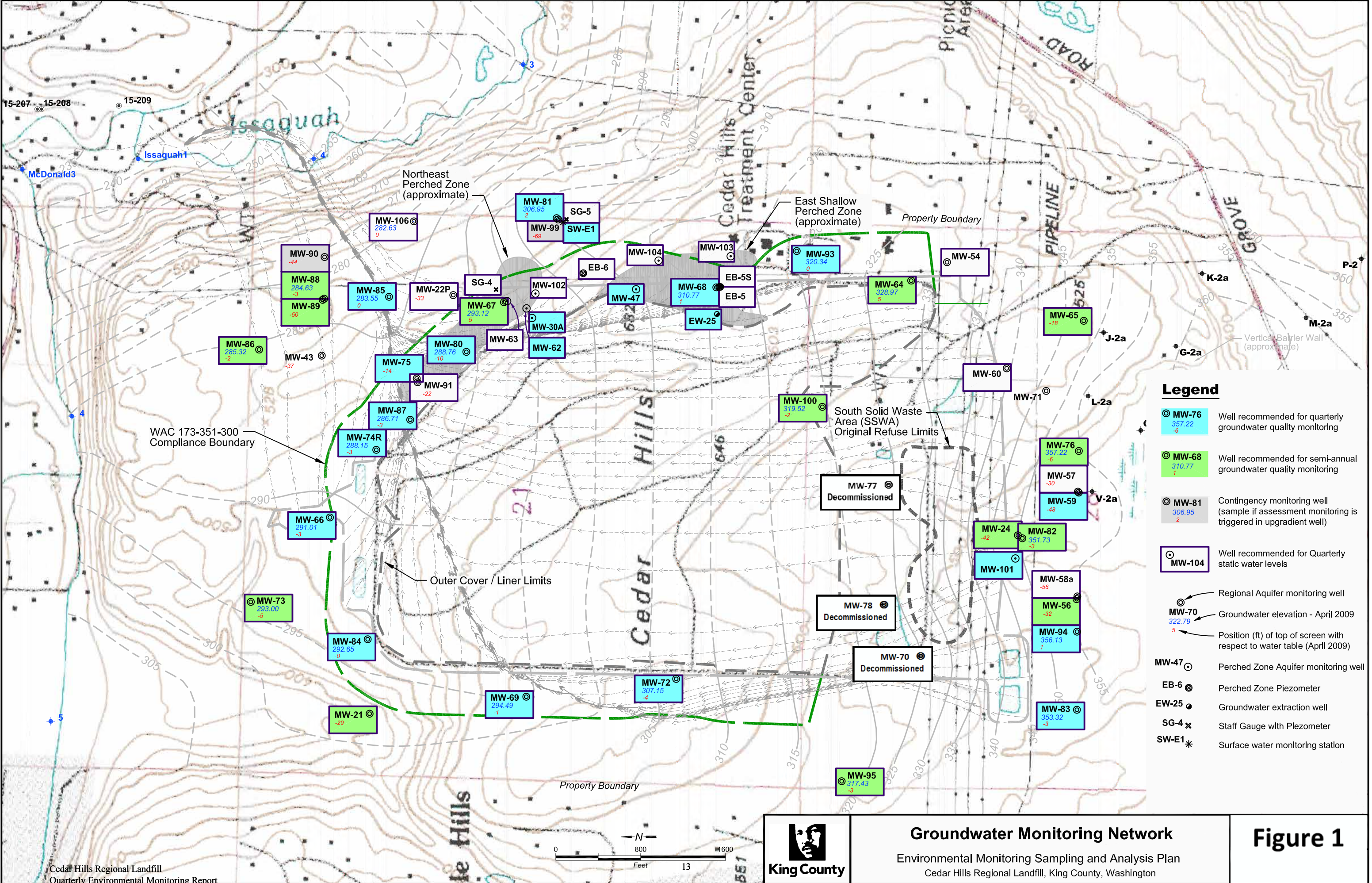
A 1-of-3 retesting plan will be used for any exceedances of the intra-well UPLs at the

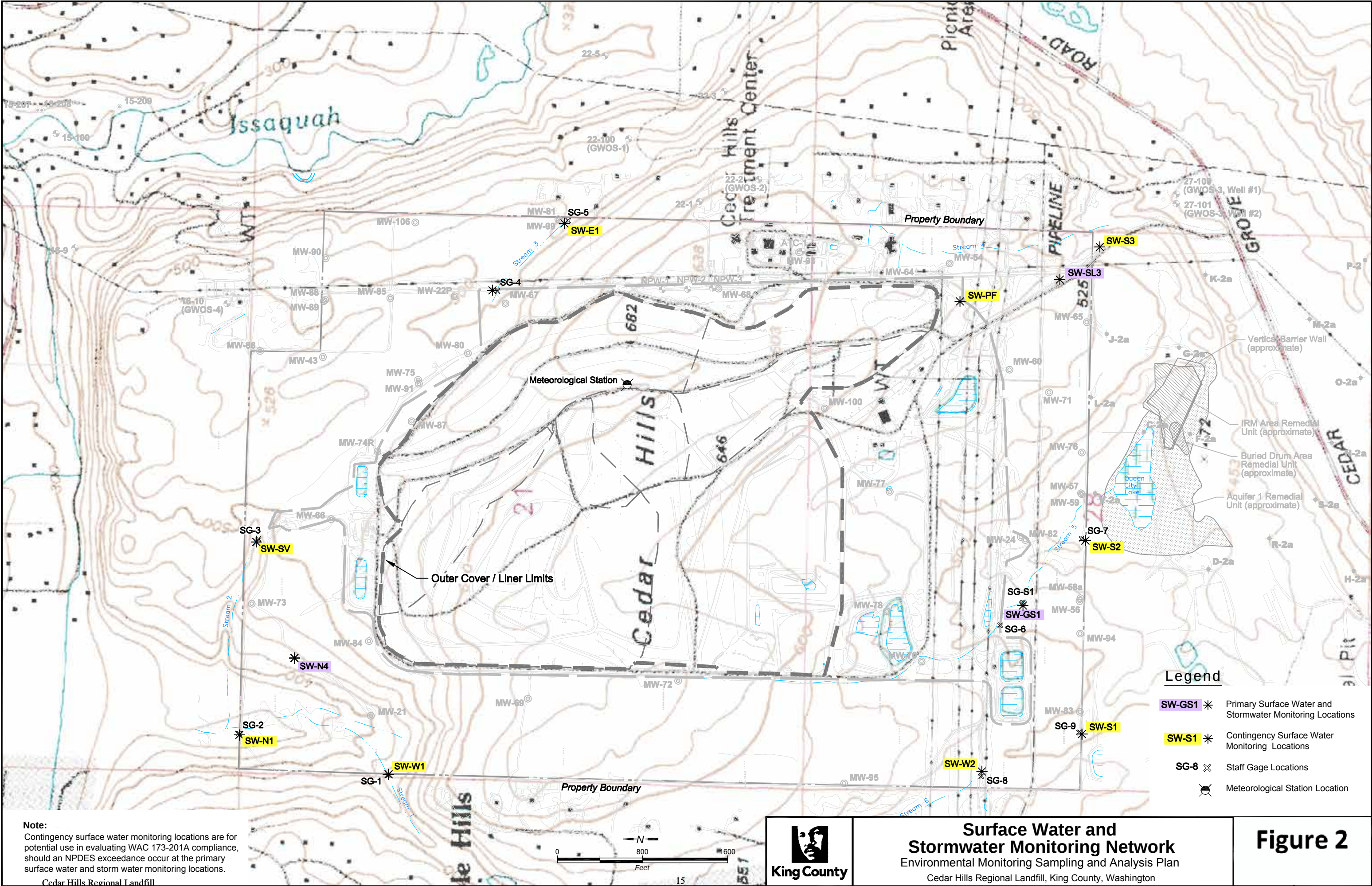
CHRLF. This retesting plan provides adequate statistical power and minimizes Type II (False Negative) errors, while providing retesting that accommodates lab turnaround time, data review, and scheduling.

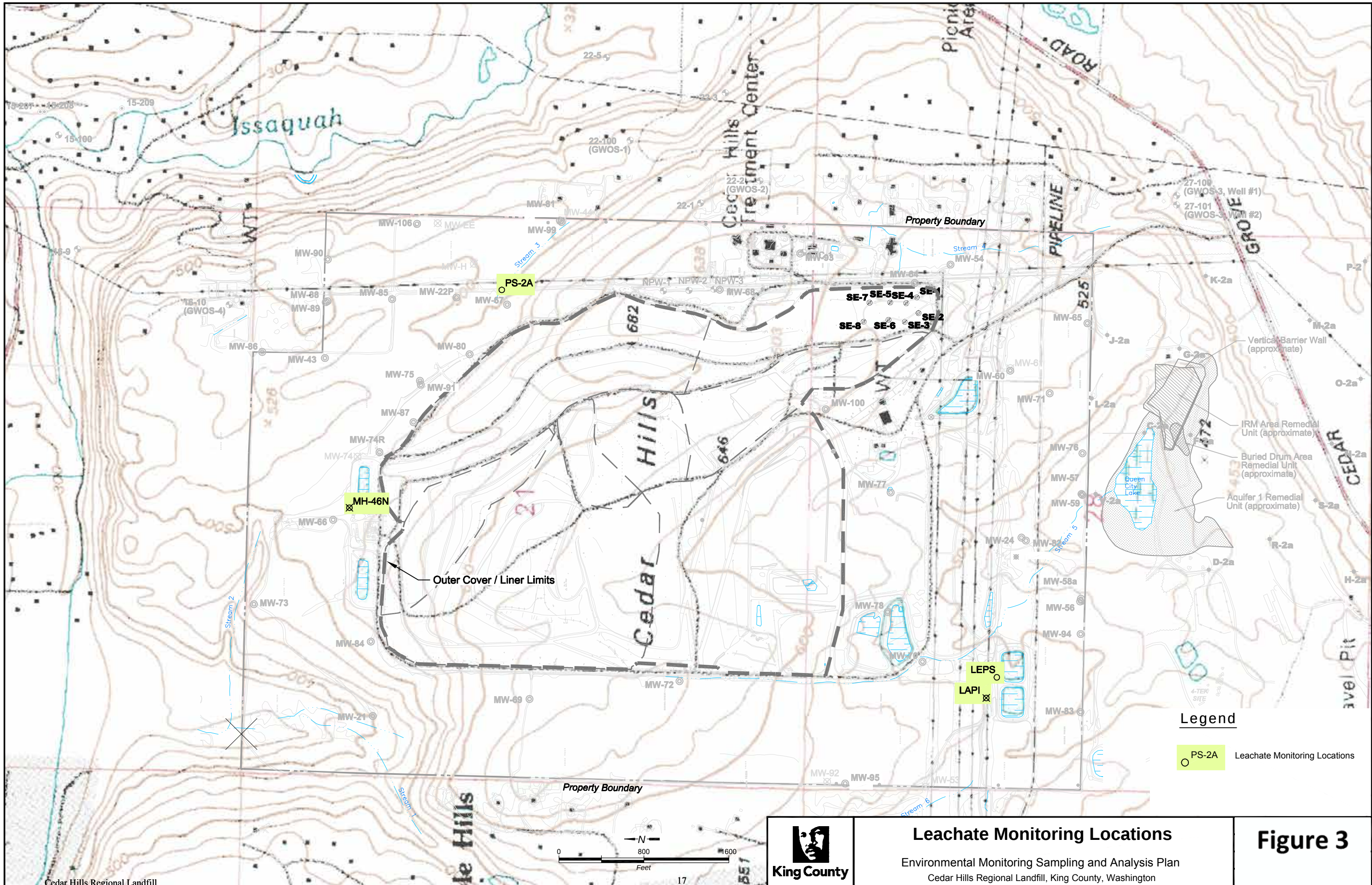
This test is performed on parameters listed in WAC 173-351-990 Appendix I and is used to detect a change in the population distribution of the individual well.

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.







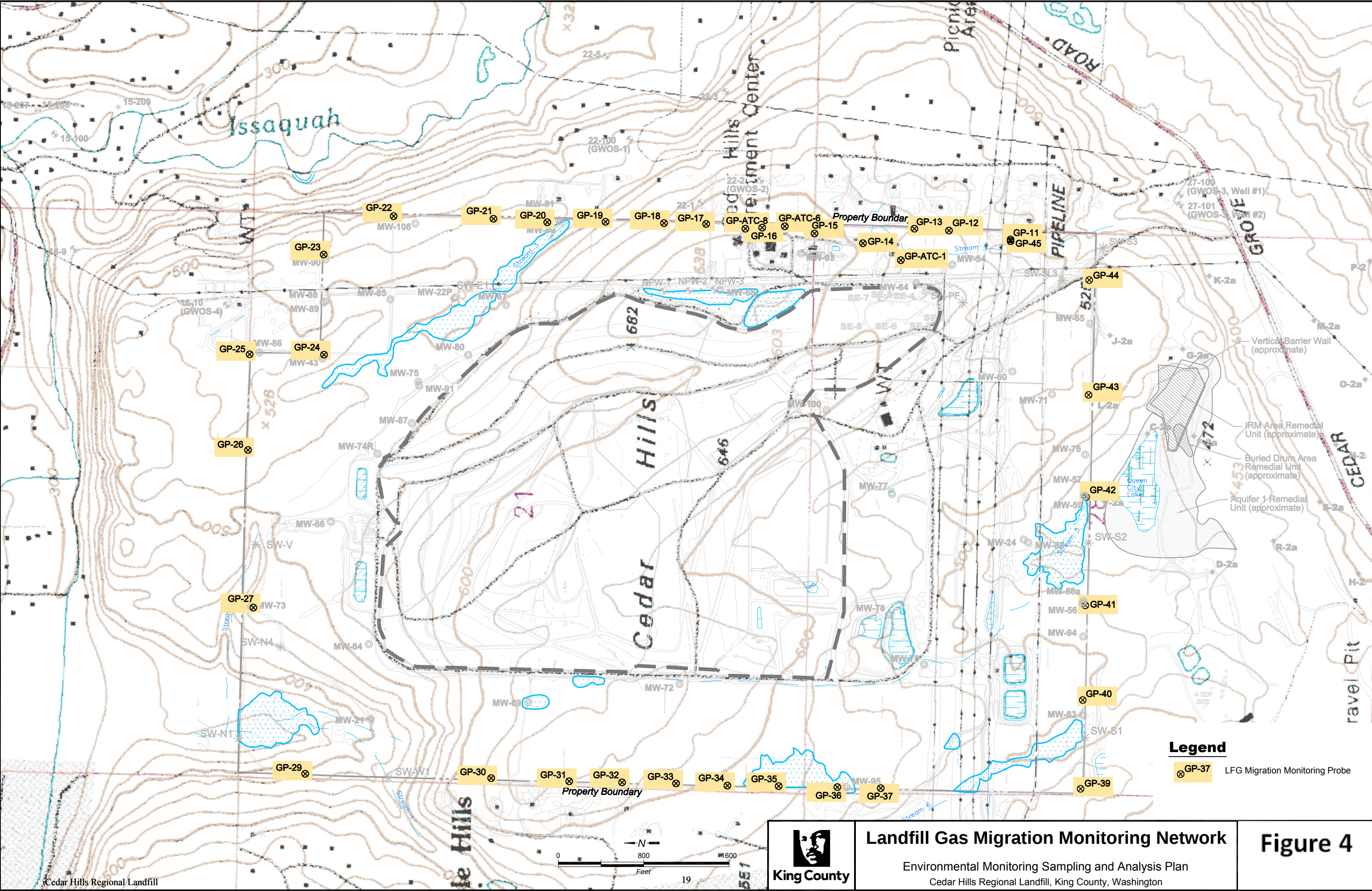


Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

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 2nd QUARTER 2017

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
EW-25	Perched	4/25/17	Quarterly Groundwater Sampling	EW25170425-	
MW-21	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-21	Regional	4/14/17	Semi-annual Groundwater Sampling	W21-170414-	
MW-21	Regional	4/14/17	QA/QC Sample	W21-170414D	Field Duplicate
MW-22	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/17/17	Semi-annual Groundwater Sampling	W24-170417-	
MW-25	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-27A	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-28	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-29	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/10/17	Quarterly Groundwater Sampling	W30A170410-	
MW-41D	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-41S	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-43	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-45	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/10/17	Quarterly Groundwater Sampling	W47-170410-	
MW-50	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-55	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-56	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-56	Regional	4/14/17	Semi-annual Groundwater Sampling	W56-170414-	
MW-57	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-58A	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-59	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-59	Regional	4/5/17	Quarterly Groundwater Sampling	W59-170405-	
MW-60	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-62	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-62	Perched	4/10/17	Quarterly Groundwater Sampling	W62-170410-	
MW-63	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-64	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-64	Regional	4/27/17	Semi-annual Groundwater Sampling	W64-170427-	
MW-65	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-65	Regional	4/21/17	Semi-annual Groundwater Sampling	W65-170421-	
MW-66	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-66	Regional	4/21/17	Quarterly Groundwater Sampling	W83-170421-	
MW-67	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-67	Regional	6/15/17	Semi-annual Groundwater Sampling	W67-170615-	
MW-68	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-68	Regional	4/19/17	Quarterly Groundwater Sampling	W68-170419-	
MW-69	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-69	Regional	4/18/17	Quarterly Groundwater Sampling	W69-170418-	
MW-72	Regional	5/4/17	Quarterly Groundwater Sampling	W72-170504-	
MW-73	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-73	Regional	4/21/17	Semi-annual Groundwater Sampling	W73-170421-	
MW-74	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-74	Regional	4/7/17	Quarterly Groundwater Sampling	W74R170407-	
MW-75	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-75	Regional	4/7/17	Quarterly Groundwater Sampling	W75-170407-	
MW-75	Regional	4/7/17	QA/QC Sample	W75-170407D	Field Duplicate
MW-76	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-76	Regional	4/14/17	Semi-annual Groundwater Sampling	W76-170414-	
MW-79	Regional	4/3/17	Groundwater Elevation Measurement	NA	Damaged
MW-80	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-80	Regional	4/7/17	Quarterly Groundwater Sampling	W80-170407-	
MW-81	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-81	Regional	4/14/17	Quarterly Groundwater Sampling	W94-170414-	
MW-82	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-82	Regional	4/17/17	Semi-annual Groundwater Sampling	W82-170417-	
MW-83	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-83	Regional	4/17/17	Quarterly Groundwater Sampling	W81-170417-	

TABLE 2
GROUNDWATER MONITORING ACTIVITIES 2nd QUARTER 2017

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-84	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-84	Regional	4/18/17	Quarterly Groundwater Sampling	W84-170418-	
MW-85	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-85	Regional	4/25/17	Quarterly Groundwater Sampling	W87-170421-	
MW-86	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-86	Regional	4/14/17	Semi-annual Groundwater Sampling	W86-170414-	
MW-87	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-87	Regional	4/28/17	Quarterly Groundwater Sampling	W85-170428-	
MW-88	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-88	Regional	4/25/17	Semi-annual Groundwater Sampling	W88-170425-	
MW-89	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-89	Regional	4/25/17	Semi-annual Groundwater Sampling	W89-170425-	
MW-90	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-91	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-93	Regional	4/18/17	Quarterly Groundwater Sampling	W66-170418-	
MW-94	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-94	Regional	4/28/17	Quarterly Groundwater Sampling	W93-170428-	
MW-95	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-95	Regional	4/5/17	Semi-annual Groundwater Sampling	W95-170405-	
MW-98	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-99	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-100	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-100	Regional	4/7/17	Semi-annual Groundwater Sampling	W100170407-	
MW-101	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-101	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-101	Perched	4/11/17	Quarterly Groundwater Sampling	W101170411-	
MW-102	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-102	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-103	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-104	Perched	4/3/17	Groundwater Elevation Measurement	NA	No Measurement, Gas monitoring
MW-105	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-105	Perched	4/11/17	Leachate Lagoon Monitoring	NA	Conductivity only
MW-106	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-106	Regional	4/3/17	Groundwater Elevation Measurement	NA	
MW-EB5	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	4/3/17	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	4/3/17	Groundwater Elevation Measurement	NA	
WS-NPW-1	Regional	4/3/17	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	4/3/17	Groundwater Elevation Measurement	NA	
Equipment Blank	NA	4/25/17	QA/QC Sample	EW25170425E	
Field Blank	NA	4/10/17	QA/QC Sample	W47-170410F	
Field Blank	NA	4/28/17	QA/QC Sample	W93-170428F	

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 April 1, 2017 to June 30, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
Arsenic (Total)	(mg/L)	MW-95	4/5/2017	W95-170405-	0.00107 D
		MW-59	4/5/2017	W59-170405-	0.000504 D
		MW-24	4/17/2017	W24-170417-	0.0006
		MW-56	4/14/2017	W56-170414-	0.0001
		MW-21	4/14/2017	W21-170414-	0.0010
		MW-94	4/14/2017	W94-170414-	0.0004
		MW-76	4/14/2017	W76-170414-	0.0002
		MW-81	4/17/2017	W81-170417-	0.0006
		MW-82	4/17/2017	W82-170417-	0.0002
		MW-66	4/18/2017	W66-170418-	0.0007
		MW-65	4/21/2017	W65-170421-	0.0024
		MW-84	4/18/2017	W84-170418-	0.0004
		MW-83	4/21/2017	W83-170421-	0.0003
		MW-73	4/21/2017	W73-170421-	0.0015
		MW-64	4/27/2017	W64-170427-	0.0013
		MW-93	4/28/2017	W93-170428-	0.0013
Iron (Dissolved)	(mg/L)	MW-59	4/5/2017	W59-170405-	3.24
		MW-21	4/5/2017	W21-170414-	2.2
		MW-24	4/14/2017	W24-170417-	3.1
		MW-65	4/17/2017	W65-170421-	3.75
Manganese (Dissolved)	(mg/L)	MW-95	4/5/2017	W95-170405-	0.14
		MW-59	4/5/2017	W59-170405-	0.108
		MW-56	4/14/2017	W56-170414-	0.307
		MW-21	4/14/2017	W21-170414-	0.0902
		MW-24	4/17/2017	W24-170417-	0.101
		MW-65	4/21/2017	W65-170421-	0.166
		MW-64	4/27/2017	W64-170427-	0.0512
		MW-93	4/28/2017	W93-170428-	0.183
Trichloroethene	(µg/L)	MW-76	4/14/2017	W76-170414-	8.21
		MW-82	4/17/2017	W82-170417-	4.43
Vinyl Chloride	(mg/L)	MW-65	4/21/2017	W65-170421-	0.0297

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 April 1, 2017 to June 30, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Wells Downgradient to Waste Cells and North end Facilities					
Arsenic (Total)	(mg/L)	MW-100	4/7/2017	W100170407-	0.00482 D
		MW-67	6/15/2017	W67-170615-	0.00108
		MW-68	4/19/2017	W68-170419-	0.132
		MW-69	4/18/2017	W69-170418-	0.00225
		MW-74	4/7/2017	W74R170407-	0.000448 D
		MW-75	4/7/2017	W75-170407-	0.000603 D
		MW-80	4/7/2017	W80-170407-	0.00718 D
		MW-85	4/28/2017	W85-170428-	0.000723
		MW-86	4/14/2017	W86-170414-	0.00414
		MW-87	4/21/2017	W87-170421-	0.0116
		MW-88	4/25/2017	W88-170425-	0.000977
		MW-89	4/25/2017	W89-170425-	0.0266
Iron (Dissolved)	(mg/L)	MW-100	4/7/2017	W100170407-	0.754
		MW-68	4/19/2017	W68-170419-	0.642
		MW-69	4/18/2017	W69-170418-	1.01
		MW-72	5/4/2017	W72-170504-	0.617
		MW-75	4/7/2017	W75-170407-	1.92
		MW-80	4/7/2017	W80-170407-	2.05
		MW-86	4/14/2017	W86-170414-	0.98
		MW-87	4/21/2017	W87-170421-	4.46
		MW-89	4/25/2017	W89-170425-	0.423
Manganese (Dissolved)	(mg/L)	MW-100	4/7/2017	W100170407-	0.146
		MW-67	6/15/2017	W67-170615-	0.161
		MW-68	4/19/2017	W68-170419-	0.303
		MW-69	4/18/2017	W69-170418-	0.238
		MW-72	5/4/2017	W72-170504-	0.212
		MW-75	4/7/2017	W75-170407-	0.163
		MW-80	4/7/2017	W80-170407-	0.337
		MW-87	4/21/2017	W87-170421-	0.563
		MW-89	4/25/2017	W89-170425-	0.228

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2017 to June 30, 2017

Site ID		Upgradient and Crossgradient																	
		MW-21 4/14/17			MW-24 4/17/17			MW-56 4/14/17			MW-59 4/5/17			MW-64 4/27/17			MW-65 4/21/17		
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	11.2	0.55888	39.4	14.5	0.72355	38.5	16.4	0.81836	43.4	14.2	0.70858	39.2	18.2	0.90818	36.9	12.1	0.60379	37.7
Magnesium	24.3 2	6.2	0.50689	35.8	9.3	0.7661	40.8	9.5	0.77926	41.3	8.7	0.71426	39.5	14.3	1.17671	47.8	7.3	0.59823	37.4
Potassium	39.1 1	1.0	0.02558	1.8	1.0	0.02466	1.3	1.2	0.02941	1.6	1.0	0.02499	1.4	1.6	0.04169	1.7	0.9	0.02361	1.5
Sodium	23.0 1	5.6	0.24315	17.2	5.7	0.24837	13.2	5.6	0.24359	12.9	5.5	0.23837	13.2	7.6	0.32928	13.4	5.4	0.23402	14.6
Iron	55.8 2	2.20	0.07879	5.6	3.10	0.11102	5.9	0.11	0.00394	0.2	3.24	0.11603	6.4	0.09	0.00316	0.1	3.75	0.1343	8.4
Manganese	54.9 2	0.09	0.00328	0.2	0.10	0.00368	0.2	0.31	0.01118	0.6	0.11	0.00393	0.2	0.05	0.00186	0.1	0.17	0.00604	0.4
Ammonia-N	14.0 1	0.01	0.00069	0.0	0.04	0.00259	0.1	0.01	0.00048	0.0	0.01	0.00038	0.0	0.03	0.00202	0.1	0.00	0.00031	0.0
Total Cations (meq/L)			1.4			1.9			1.9			1.8			2.5			1.6	
Anions																			
Alkalinity, Total	54				66			56			68			97			53		
Carbonate	60.0 2	0.09195	0.00307	0.2	0.03386	0.00113	0.1	0.01779	0.00059	0.0	0.03642	0.00121	0.1	0.08771	0.00292	0.1	0.01781	0.00059	0.0
Bicarbonate	61.0 1	66.18	1.08477	83.8	80.70	1.32267	75.5	68.77	1.12724	61.5	82.89	1.35858	73.3	117.55	1.92679	81.4	64.26	1.05325	74.3
Chloride	35.5 1	2.6	0.07277	5.6	3.8	0.10634	6.1	17.3	0.48797	26.6	4.6	0.12862	6.9	2.9	0.08152	3.4	3.6	0.10211	7.2
Nitrate-N	14.0 1	0.01	0.00071	0.1	0.01	0.00071	0.0	0.24	0.01742	1.0	0.02	0.00143	0.1	0.01	0.00093	0.0	0.01	0.00071	0.1
Sulfate	96.1 2	6.4	0.13284	10.3	15.4	0.32064	18.3	9.6	0.19967	10.9	17.5	0.36436	19.7	17.0	0.35395	15.0	12.5	0.26026	18.4
Total Anions (meq/L)			1.3			1.8			1.8			1.9			2.4			1.4	
Total Ions (meq/L)			2.7			3.6			3.7			3.7			4.8			3.0	
Cation/Anion Ratio			1.10			1.07			1.03			0.97			1.04			1.13	
Percent Difference			4.5			3.5			1.4			-1.3			2.0			6.1	
Trilinear Diagram Data																			
sum (Ca, Mg, Na+K)			1.33			1.76			1.87			1.69			2.46			1.46	
Calcium				41.88			41.05			43.75			42.02			36.98			41.37
Magnesium				37.98			43.46			41.66			42.36			47.91			40.98
Sodium + Potassium				20.14			15.49			14.59			15.62			15.11			17.65
													100.0						
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			1.29			1.75			1.82			1.85			2.37			1.42	
Sulfate				10.270			18.314			10.998			19.666			14.965			18.377
Chloride				5.626			6.074			26.878			6.942			3.447			7.210
Bicarbonate + Carbonate				84.104			75.612			62.123			73.392			81.588			74.413
													100.0						

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2017 to June 30, 2017

Site ID		Upgradient and Crossgradient																	
		MW-76 4/14/17			MW-82 4/17/17			MW-83 4/21/17			MW-94 4/14/17			MW-73 4/21/17			MW-81 4/17/17		
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	20.1	1.00299	45.0	30.5	1.52196	44.6	49.4	2.46507	51.3	34.1	1.7016	48.9	12.3	0.61377	43.5	13.0	0.6487	43.3
Magnesium	24.3 2	9.5	0.78338	35.1	18.0	1.48118	43.4	22.1	1.81856	37.8	14.2	1.16848	33.6	6.4	0.52417	37.1	6.8	0.5612	37.4
Potassium	39.1 1	1.4	0.03478	1.6	1.9	0.04834	1.4	2.8	0.07187	1.5	2.3	0.05985	1.7	0.8	0.02023	1.4	0.8	0.02054	1.4
Sodium	23.0 1	9.4	0.40714	18.3	8.3	0.36016	10.6	10.4	0.45238	9.4	12.6	0.54807	15.7	5.8	0.25272	17.9	6.2	0.26882	17.9
Iron	55.8 2	0.01	0.00036	0.0	0.01	0.00048	0.0	0.01	0.00036	0.0	0.01	0.00036	0.0	0.01	0.00036	0.0	0.01	0.00036	0.0
Manganese	54.9 2	0.00	3.6E-06	0.0	0.00	5E-06	0.0	0.01	0.00037	0.0	0.00	8.6E-06	0.0	0.00	3.7E-06	0.0	0.00	3.6E-06	0.0
Ammonia-N	14.0 1	0.00	0.00014	0.0	0.00	0.00014	0.0	0.00	0.00017	0.0	0.03	0.002	0.1	0.00	0.00014	0.0	0.00	0.00014	0.0
Total Cations (meq/L)			2.2			3.4			4.8	100.0		3.5			1.4			1.5	
Anions																			
Alkalinity, Total		57			127			147			110			52			51		
Carbonate	60.0 2	0.01212	0.0004	0.0	0.06203	0.00207	0.1	0.06701	0.00223	0.0	0.0347	0.00116	0.0	0.01741	0.00058	0.0	0.05571	0.00186	0.1
Bicarbonate	61.0 1	69.27	1.13542	53.0	154.81	2.53755	78.0	179.20	2.93732	62.6	134.13	2.19851	67.6	62.79	1.02926	76.1	62.11	1.01799	70.8
Chloride	35.5 1	13.2	0.37232	17.4	11.8	0.33284	10.2	48.6	1.37083	29.2	32.3	0.91107	28.0	2.4	0.06854	5.1	4.9	0.13934	9.7
Nitrate-N	14.0 1	1.70	0.12137	5.7	0.44	0.03163	1.0	2.81	0.20061	4.3	0.26	0.01828	0.6	0.98	0.06997	5.2	1.42	0.10138	7.1
Sulfate	96.1 2	24.7	0.51427	24.0	16.8	0.34979	10.7	8.6	0.17885	3.8	6.0	0.12493	3.8	8.9	0.18447	13.6	8.5	0.17635	12.3
Total Anions (meq/L)			2.1			3.3			4.7	100.0		3.3			1.4			1.4	
Total Ions (meq/L)			4.4			6.7			9.5			6.7			2.8			2.9	
Cation/Anion Ratio			1.04			1.05			1.03			1.07			1.04			1.04	
Percent Difference			1.9			2.4			1.3			3.4			2.1			2.1	
Trilinear Diagram Data																			
sum (Ca, Mg, Na+K)			2.23			3.41			4.81			3.48			1.41			1.50	
Calcium				45.01		44.61			51.27			48.92			43.50			43.27	
Magnesium				35.16		43.42			37.82			33.60			37.15			37.43	
Sodium + Potassium				19.83		11.97			10.90			17.48			19.35			19.30	
									100.0									100.0	
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			2.02			3.22			4.49			3.24			1.28			1.34	
Sulfate				25.429		10.855			3.984			3.861			14.380			13.205	
Chloride				18.410		10.329			30.536			28.157			5.343			10.433	
Bicarbonate + Carbonate				56.162		78.815			65.480			67.982			80.277			76.362	
									100.0										

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2017 to June 30, 2017

Site ID		Upgradient and Crossgradient									Downgradient to Waste Cells and North End Facilities								
		MW-84 4/18/17			MW-66 4/18/17			MW-93 4/28/17			MW-68 4/19/17			MW-67 6/15/17			MW-69 4/18/17		
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	12.5	0.62375	36.4	18.7	0.93313	37.0	31.8	1.58683	46.5	27.8	1.38723	44.3	34.6	1.72655	43.6	31.7	1.58184	48.0
Magnesium	24.3 2	9.6	0.79078	46.1	14.8	1.21786	48.3	16.7	1.3742	40.3	15.6	1.28369	41.0	21.2	1.7445	44.1	15.3	1.259	38.2
Potassium	39.1 1	1.0	0.02634	1.5	1.2	0.03018	1.2	1.5	0.03785	1.1	1.7	0.04246	1.4	1.7	0.04322	1.1	1.7	0.04297	1.3
Sodium	23.0 1	6.3	0.27447	16.0	7.8	0.34015	13.5	9.2	0.40061	11.7	8.9	0.38495	12.3	9.9	0.42889	10.8	8.4	0.36581	11.1
Iron	55.8 2	0.01	0.00036	0.0	0.01	0.00036	0.0	0.01	0.00036	0.0	0.64	0.02299	0.7	0.24	0.00874	0.2	1.01	0.03617	1.1
Manganese	54.9 2	0.00	2.5E-05	0.0	0.00	3.6E-06	0.0	0.18	0.00666	0.2	0.30	0.01103	0.4	0.16	0.00586	0.1	0.24	0.00866	0.3
Ammonia-N	14.0 1	0.00	0.00014	0.0	0.00	0.00014	0.0	0.06	0.00429	0.1	0.02	0.00129	0.0	0.01	0.00051	0.0	0.02	0.00111	0.0
Total Cations (meq/L)			1.7			2.5			3.4			3.1			4.0			3.3	
Anions																			
Alkalinity, Total	63				94			119			128			147			128		
Carbonate	60.0 2	0.02725	0.00091	0.1	0.07575	0.00253	0.1	0.12134	0.00404	0.1	0.0824	0.00275	0.1	0.04745	0.00158	0.0	0.16423	0.00547	0.2
Bicarbonate	61.0 1	76.32	1.2509	76.7	113.92	1.86719	79.1	144.93	2.3756	70.4	155.99	2.55687	86.1	179.24	2.93798	76.8	155.83	2.55414	82.4
Chloride	35.5 1	3.5	0.09985	6.1	5.5	0.15542	6.6	2.8	0.07982	2.4	2.9	0.0818	2.8	5.4	0.15119	4.0	3.7	0.10493	3.4
Nitrate-N	14.0 1	0.19	0.01378	0.8	0.54	0.03869	1.6	0.01	0.00079	0.0	0.01	0.00071	0.0	0.15	0.01092	0.3	0.01	0.00071	0.0
Sulfate	96.1 2	12.8	0.26651	16.3	14.2	0.29566	12.5	43.9	0.91403	27.1	15.7	0.32689	11.0	34.7	0.72248	18.9	20.8	0.43307	14.0
Total Anions (meq/L)			1.6			2.4			3.4			3.0			3.8			3.1	
Total Ions (meq/L)			3.3			4.9			6.8			6.1			7.8			6.4	
Cation/Anion Ratio			1.05			1.07			1.01			1.06			1.04			1.06	
Percent Difference			2.5			3.3			0.5			2.7			1.7			3.1	
Trilinear Diagram Data																			
sum (Ca, Mg, Na+K)			1.72			2.52			3.40			3.10			3.94			3.25	
Calcium				36.36			37.01			46.68			44.77			43.79			48.68
Magnesium				46.10			48.30			40.42			41.43			44.24			38.74
Sodium + Potassium				17.54			14.69			12.90			13.79			11.97			12.58
				100.0			100.0												
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			1.62			2.32			3.37			2.97			3.81			3.10	
Sulfate				16.470			12.739			27.095			11.013			18.947			13.981
Chloride				6.171			6.697			2.366			2.756			3.965			3.387
Bicarbonate + Carbonate				77.360			80.564			70.539			86.232			77.088			82.632

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2017 to June 30, 2017

Site ID		Downgradient to Waste Cells and North End Facilities																	
		MW-72 5/4/17			MW-74 4/7/17			MW-75 4/7/17			MW-80 4/7/17			MW-85 4/28/17			MW-86 4/14/17		
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	26.7	1.33234	43.2	45.2	2.25549	39.0	27.9	1.39222	38.5	30.9	1.54192	46.3	30.0	1.49701	43.5	14.8	0.73852	38.3
Magnesium	24.3 2	16.6	1.36597	44.3	35.8	2.9459	50.9	20.9	1.71981	47.6	16.0	1.3166	39.5	18.4	1.51409	44.0	10.1	0.8311	43.1
Potassium	39.1 1	1.5	0.03913	1.3	1.9	0.04962	0.9	1.8	0.04553	1.3	1.7	0.04297	1.3	1.5	0.03939	1.1	1.2	0.03146	1.6
Sodium	23.0 1	7.2	0.31362	10.2	12.3	0.53502	9.2	8.8	0.38191	10.6	7.9	0.34407	10.3	8.9	0.38887	11.3	6.7	0.291	15.1
Iron	55.8 2	0.62	0.0221	0.7	0.01	0.00036	0.0	1.92	0.06876	1.9	2.05	0.07341	2.2	0.01	0.00036	0.0	0.98	0.0351	1.8
Manganese	54.9 2	0.21	0.00772	0.3	0.00	3.6E-06	0.0	0.16	0.00593	0.2	0.34	0.01227	0.4	0.00	3.6E-06	0.0	0.02	0.00065	0.0
Ammonia-N	14.0 1	0.00	0.00014	0.0	0.00	0.00014	0.0	0.01	0.0006	0.0	0.01	0.00076	0.0	0.00	0.00015	0.0	0.00	0.00018	0.0
Total Cations (meq/L)			3.1			5.8			3.6			3.3	100.0		3.4			1.9	
Anions																			
Alkalinity, Total		121			229			104			110			118			64		
Carbonate	60.0 2	0.06189	0.00206	0.1	0.16538	0.00551	0.1	0.06543	0.00218	0.1	0.08318	0.00277	0.1	0.07255	0.00242	0.1	0.03649	0.00122	0.1
Bicarbonate	61.0 1	147.49	2.41757	71.6	279.04	4.5738	76.5	126.75	2.07751	61.4	134.03	2.1969	70.8	143.81	2.35723	69.5	77.52	1.27059	68.9
Chloride	35.5 1	5.7	0.16021	4.7	26.1	0.73619	12.3	9.4	0.26599	7.9	4.8	0.13652	4.4	9.8	0.27614	8.1	4.8	0.13595	7.4
Nitrate-N	14.0 1	0.02	0.00136	0.0	0.29	0.02042	0.3	0.01	0.00071	0.0	0.01	0.00071	0.0	0.11	0.00814	0.2	0.01	0.00071	0.0
Sulfate	96.1 2	38.3	0.79744	23.6	30.9	0.64336	10.8	49.7	1.0348	30.6	36.7	0.76412	24.6	35.9	0.74747	22.0	20.9	0.43516	23.6
Total Anions (meq/L)			3.4			6.0			3.4			3.1	100.0		3.4			1.8	
Total Ions (meq/L)			6.5			11.8			7.0			6.4			6.8			3.8	
Cation/Anion Ratio			0.91			0.97			1.07			1.07			1.01			1.05	
Percent Difference			-4.6			-1.6			3.3			3.6			0.7			2.2	
Trilinear Diagram Data																			
sum (Ca, Mg, Na+K)			3.05			5.79			3.54			3.25			3.44			1.89	
Calcium				43.67			38.98			39.33			47.51			43.53			39.03
Magnesium				44.77			50.91			48.59			40.57			44.02			43.93
Sodium + Potassium				11.56			10.10			12.08			11.93			12.45			17.04
													100.0						
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			3.38			5.96			3.38			3.10			3.38			1.84	
Sulfate				23.612			10.797			30.611			24.647			22.093			23.612
Chloride				4.744			12.354			7.868			4.403			8.162			7.377
Bicarbonate + Carbonate				71.644			76.849			61.521			70.950			69.745			69.011
													100.0						

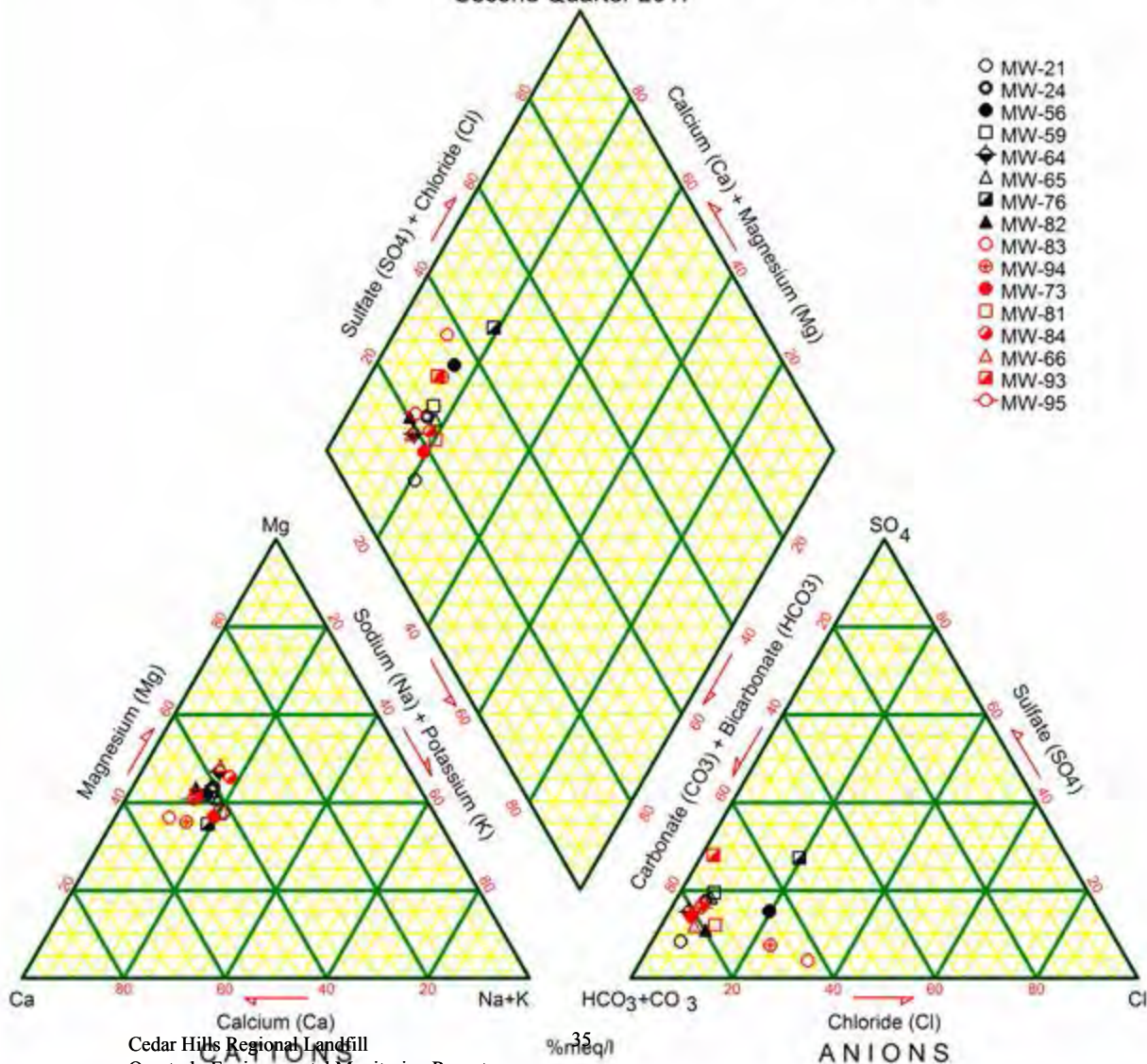
Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2017 to June 30, 2017

Site ID		Downgradient to Waste Cells and North End Facilities											
		MW-87 4/21/17			MW-88 4/25/17			MW-89 4/25/17			MW-100 4/7/17		
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	45.0	2.24551	40.8	9.6	0.47754	36.0	13.8	0.68862	34.9	23.2	1.15768	42.8
Magnesium	24.3 2	31.1	2.55914	46.4	7.0	0.57354	43.2	10.0	0.82288	41.7	13.7	1.12734	41.7
Potassium	39.1 1	2.3	0.05806	1.1	0.9	0.02179	1.6	1.4	0.03555	1.8	1.4	0.03632	1.3
Sodium	23.0 1	10.7	0.46542	8.4	5.8	0.25359	19.1	9.2	0.40061	20.3	8.1	0.35146	13.0
Iron	55.8 2	4.46	0.15972	2.9	0.01	0.00036	0.0	0.42	0.01515	0.8	0.75	0.027	1.0
Manganese	54.9 2	0.56	0.0205	0.4	0.00	7.1E-06	0.0	0.23	0.0083	0.4	0.15	0.00532	0.2
Ammonia-N	14.0 1	0.02	0.00143	0.0	0.00	0.00014	0.0	0.02	0.00108	0.1	0.01	0.00078	0.0
Total Cations (meq/L)			5.5			1.3			2.0			2.7	
Anions													
Alkalinity, Total		94			52			72			124		
Carbonate	60.0 2	0.02889	0.00096	0.0	0.04394	0.00146	0.1	0.08403	0.0028	0.1	0.06795	0.00227	0.1
Bicarbonate	61.0 1	114.26	1.87275	36.1	63.11	1.03438	81.5	87.43	1.43298	71.7	151.14	2.47736	86.1
Chloride	35.5 1	10.4	0.29335	5.7	1.9	0.05387	4.2	8.8	0.24878	12.4	2.7	0.07531	2.6
Nitrate-N	14.0 1	0.01	0.00071	0.0	0.58	0.04105	3.2	0.01	0.00071	0.0	0.01	0.00071	0.0
Sulfate	96.1 2	145.0	3.01902	58.2	6.6	0.13804	10.9	15.1	0.31439	15.7	15.5	0.32272	11.2
Total Anions (meq/L)			5.2			1.3			2.0			2.9	
Total Ions (meq/L)			10.7			2.6			4.0			5.6	
Cation/Anion Ratio			1.06			1.05			0.99			0.94	
Percent Difference			3.0			2.2			-0.7			-3.1	
Trilinear Diagram Data													
sum (Ca, Mg, Na+K)			5.33			1.33			1.95			2.67	
Calcium				42.14			36.00			35.36			43.31
Magnesium				48.03			43.24			42.25			42.18
Sodium + Potassium				9.82			20.76			22.39			14.51
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			5.19			1.23			2.00			2.88	
Sulfate				58.214			11.243			15.728			11.215
Chloride				5.656			4.388			12.445			2.617
Bicarbonate + Carbonate				36.130			84.369			71.827			86.168

Cedar Hills Regional Landfill

Figure 5. Regional Aquifer Upgradient and Crossgradient Wells
Second Quarter 2017



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

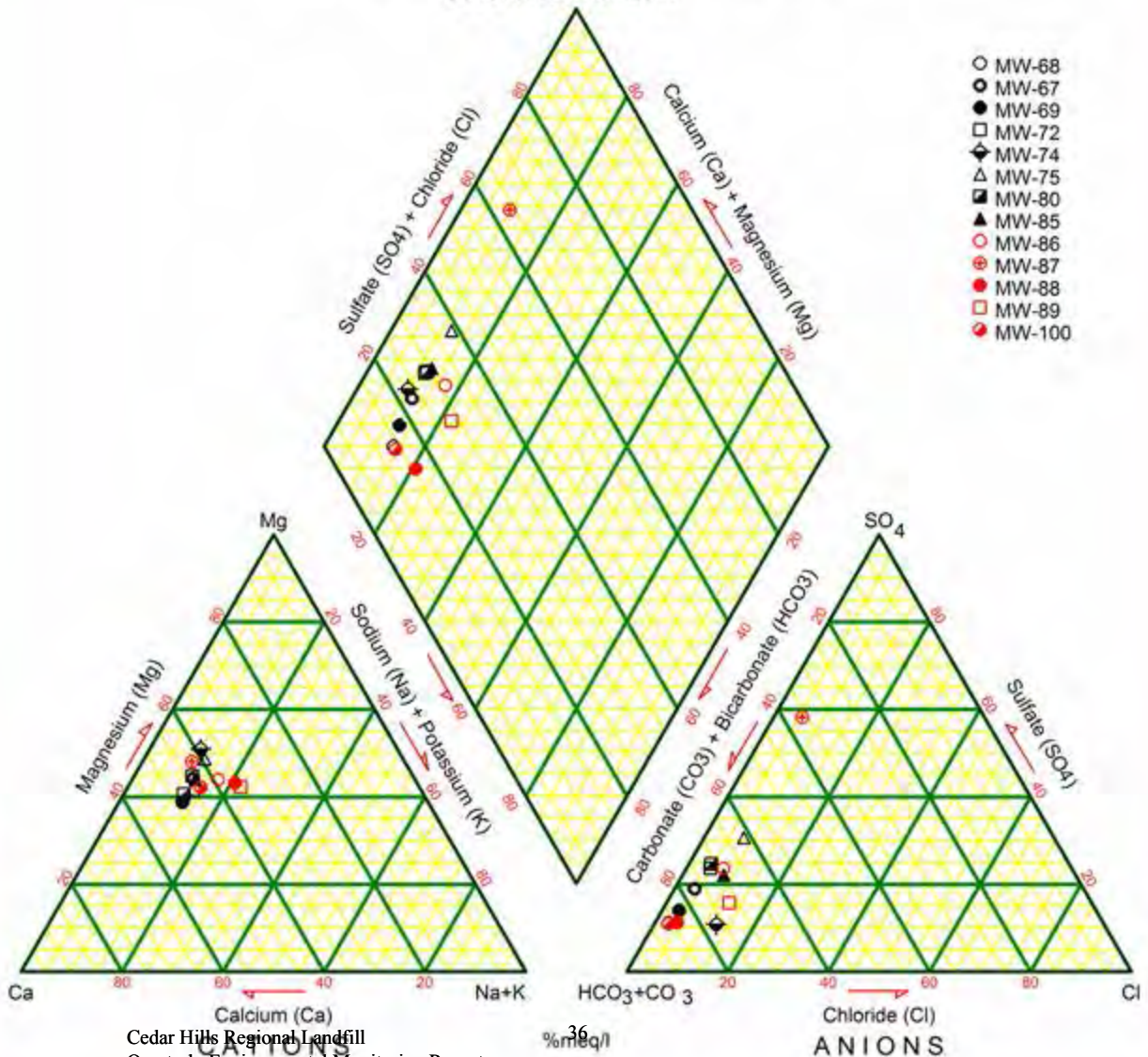


TABLE 5
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES
(Data Collected from April 1, 2017 to June 30, 2017)

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-21	Limit	0.001	0.001	0.0053	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	0.019	0.2	0.2	0.2	0.02
	Result	<0.0003	0.001	0.00449	<0.0001	<0.00005	0.000286	<0.00005	<0.0002	<0.0001	0.000461	<0.0005	<0.00004	<0.0001	<0.000375	0.00122	<0.01	<0.1	<0.1	<0.1	<0.01
MW-24	Limit	0.001	0.001	0.0021	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	0.03	0.39	0.2	0.2	0.02
	Result	<0.0003	0.001	0.002	<0.0001	<0.00005	0.000354	<0.00005	<0.0002	<0.0001	0.000187	<0.0005	<0.00004	<0.0001	<0.000375	<0.0005	<0.01	<0.1	<0.1	<0.1	<0.01
MW-56	Limit	0.001	0.003	0.0478	0.001	0.002	0.00755	0.00389	0.0154	0.0033	0.001	0.001	0.00694	0.001	0.018	0.0235	2.78	1.84	0.2	0.2	0.02
	Result	<0.0003	0.000	0.0033	<0.0001	<0.00005	0.000311	0.000182	0.000301	<0.0001	0.000875	<0.0005	<0.00004	<0.0001	<0.000375	0.00215	0.244	1.38	<0.1	<0.1	<0.01
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	1.19	0.2	0.45	0.02
	Result	<0.0003	0.000504	0.00419	<0.0001	0.000067	0.000311	<0.00005	0.000653	0.000171	0.000561	<0.0005	<0.00004	<0.0001	<0.000375	0.00392	0.02	1.14	<0.1	<0.1	<0.01
MW-64	Limit	0.001	0.010	0.0161	0.001	0.002	0.005	0.00347	0.00512	0.001	0.0153	0.001	0.003	0.001	0.006	0.0385	0.1	0.2	0.2	0.2	0.02
	Result	<0.0003	0.0013	0.00892	<0.0001	<0.00005	<0.0002	0.000349	<0.0002	<0.0001	0.000736	<0.0005	<0.00004	<0.0001	<0.000375	0.000657	0.013	<0.1	<0.1	<0.1	<0.01
MW-65	Limit	0.001	0.001	0.0080	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	0.031	0.2	0.2	0.2	0.14
	Result	<0.0003	0.00242	0.0078	<0.0001	<0.00005	<0.0002	<0.00005	<0.0002	<0.0001	0.0002	<0.0005	<0.00004	<0.0001	<0.000375	0.00249	<0.01	<0.1	<0.1	<0.1	0.03
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	0.765	0.2	0.2	0.32	0.02
	Result	<0.0003	0.000718	0.0052	<0.0001	<0.00005	0.000224	<0.00005	<0.0002	<0.0001	0.000247	0.00104	<0.00004	<0.0001	0.00067	0.00195	0.542	<0.1	<0.1	<0.1	<0.01
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	<0.0003	0.132	0.0126	<0.0001	<0.00005	0.000912	0.000291	0.0020	<0.0001	0.00117	<0.0005	<0.00004	<0.0001	0.00182	0.00179	0.01	<0.1	<0.1	<0.1	<0.01
MW-73	Limit	0.001	0.001	0.0065	0.001	0.002	0.005	0.003	0.00363	0.001	0.001	0.001	0.003	0.001	0.002	0.004	2.1	0.2	0.2	0.2	0.02
	Result	<0.0003	0.00151	0.0225	0.000186	0.0000508	0.00134	0.000611	0.00229	0.00237	0.00189	0.0016	<0.00004	<0.0001	0.0032	0.0066	0.98	<0.1	<0.1	<0.1	<0.01
MW-76	Limit	0.001	0.001	0.0046	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	6.00	0.96	0.71	15.4	0.02
	Result	<0.0003	0.000	0.0036	<0.0001	<0.00005	0.00091	<0.00005	0.000795	<0.0001	0.000425	<0.0005	<0.00004	<0.0001	0.0006	0.000874	1.7	0.548	0.379	8.21	<0.01
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	0.00425	1.8	0.2	0.2	0.2	0.02
	Result	<0.0003	0.000625	0.0030	<0.0001	<0.00005	0.000296	0.0000618	0.000242	<0.0001	0.000263	0.000891	<0.00004	<0.0001	0.00182	0.00146	1.42	<0.1	<0.1	<0.1	<0.01
MW-82	Limit	0.001	0.001	0.0054	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	1.53	0.2	0.31	8.9	0.02
	Result	<0.0003	0.000	0.0016	<0.0001	<0.00005	0.00147	<0.00005	0.000245	<0.0001	0.00293	<0.0005	<0.00004	<0.0001	0.0013	0.0013	0.443	<0.1	<0.1	4.43	<0.01
MW-83	Limit	0.001	0.001	0.0102	0.001	0.002	0.005	0.003	0.0033	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.22	0.2	0.2	3.17	0.02
	Result	<0.0003	0.000343	0.0061	<0.0001	<0.00005	0.000309	0.000112	0.00205	<0.0001	0.00119	<0.0005	<0.00004	<0.0001	0.00078	0.000933	2.81	<0.1	<0.1	1.91	<0.01
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	0.68	0.2	0.2	0.2	0.02
	Result	<0.0003	0.000359	0.00363	<0.0001	<0.00005	<0.0002	<0.00005	<0.0002	<0.0001	0.000274	0.00056	<0.00004	<0.0001	0.000476	<0.0005	0.193	<0.1	<0.1	<0.1	<0.01
MW-93	Limit	0.001	0.0014	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	<0.0003	0.0013	0.00818	<0.0001	<0.00005	<0.0002	0.000101	<0.0002	<0.0001	0.000231	<0.0005	<0.00004	<0.0001	0.002	0.0013	0.011	<0.1	<0.1	<0.1	<0.01
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	2.13	0.2	0.2	5.16	0.02
	Result	<0.0003	0.000351	0.0054	<0.0001	<0.00005	0.000706	0.000282	0.0051	<0.0001	0.00183	<0.0005	<0.00004	<0.0001	0.000869	0.00106	0.256	<0.1	<0.1	0.868	<0.01
MW-95	Limit	0.001	0.00109	0.0045	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	0.015	0.2	0.2	0.2	0.02
	Result	<0.0003	0.0011	0.0041	<0.0001	<0.00005	0.000413	0.0000846	<0.0002	<0.0001	0.000615	<0.0005	<0.00004	<0.0001	<0.000375	0.0027	<0.01	<0.1	<0.1	<0.1	<0.01
Results greater than Limit Value in RED Bold																					

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 April 1, 2017 to June 30, 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
Downgradient Wells																					
MW-100	Limit	0.001	0.022	0.0121	0.001	0.002	0.005	0.003	0.00226	0.001	0.001	0.001	0.003	0.001	0.002	0.00922	0.01	0.2	0.2	0.2	0.02
	Result	<0.0003	0.00482	0.0078	<0.0001	<0.00005	0.000261	0.000443	0.00127	0.000165	0.00123	<0.0005	<0.00004	<0.0001	<0.000375	0.0030	<0.01	<0.1	<0.1	<0.1	<0.01
MW-67	Limit	0.001	0.002	0.0152	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.004	3.4	0.2	0.2	0.2	0.02
	Result	<0.0003	0.001	0.0133	<0.0001	<0.00005	<0.0002	0.000202	0.00029	<0.0001	0.00039	<0.0005	<0.00004	<0.0001	0.0005	0.000885	0.153	<0.1	<0.1	<0.1	<0.01
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	<0.0003	0.00225	0.0109	<0.0001	<0.00005	0.000443	<0.00005	<0.0002	<0.0001	0.000289	<0.0005	<0.00004	<0.0001	<0.000375	0.00076	<0.01	<0.1	<0.1	<0.1	<0.01
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	0.089	0.2	0.2	0.2	0.02
	Result	<0.0003	<0.0001	0.0102	<0.0001	<0.00005	0.000895	<0.00005	0.0005	0.000114	0.000291	<0.0005	<0.00004	<0.0001	<0.000375	0.0023	0.019	<0.1	<0.1	<0.1	<0.01
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	1.4	0.2	0.2	0.2	0.02
	Result	<0.0003	0.000	0.013	<0.0001	<0.00005	0.00034	<0.00005	0.000208	<0.0001	0.00121	0.000742	<0.00004	<0.0001	0.0006	0.00152	0.286	<0.1	<0.1	<0.1	<0.01
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	<0.0003	0.001	0.0122	<0.0001	<0.00005	<0.0002	<0.00005	<0.0002	<0.0001	0.000205	<0.0005	<0.00004	<0.0001	<0.000375	0.00137	<0.01	<0.1	<0.1	<0.1	<0.01
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	<0.0003	0.00718	0.0149	<0.0001	<0.00005	0.000353	<0.00005	0.000227	<0.0001	0.000311	<0.0005	<0.00004	<0.0001	<0.000375	0.00244	<0.01	<0.1	<0.1	<0.1	<0.01
MW-85	Limit	0.001	0.001	0.0069	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0013701	0.003	0.001	0.002	0.004	0.193	0.2	0.2	0.2	0.02
	Result	<0.0003	0.001	0.00638	<0.0001	<0.00005	<0.0002	<0.00005	<0.0002	<0.0001	0.000186	0.00104	<0.00004	<0.0001	0.0009	<0.0005	0.114	<0.1	<0.1	<0.1	<0.01
MW-86	Limit	0.001	0.010	0.0063	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.0018389	0.003	0.001	0.002	0.004	1.4	0.2	0.2	0.2	0.02
	Result	<0.0003	0.0041	0.00568	<0.0001	<0.00005	0.00021	<0.00005	<0.0002	<0.0001	0.000259	<0.0005	<0.00004	<0.0001	<0.000375	0.00119	<0.01	<0.1	<0.1	<0.1	<0.01
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	<0.0003	0.0116	0.0289	<0.0001	<0.00005	0.000411	0.000148	0.000592	0.000164	0.000247	0.00052	<0.00004	<0.0001	0.00241	0.0012	<0.01	<0.1	<0.1	<0.1	<0.01
MW-88	Limit	0.001	0.001	0.0025	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.003	0.004	1.7	0.2	0.2	0.2	0.02
	Result	<0.0003	0.000977	0.00233	<0.0001	<0.00005	0.000573	<0.00005	<0.0002	<0.0001	0.000113	0.000576	<0.00004	<0.0001	0.0027	0.000575	0.575	<0.1	<0.1	<0.1	<0.01
MW-89	Limit	0.001	0.021	0.0184	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.0303	0.025	0.2	0.2	0.2	0.04
	Result	<0.0003	0.0266	0.0256	0.0001	0.0000555	0.000457	<0.00005	0.000499	0.000271	0.000146	<0.0005	<0.00004	<0.0001	0.0014	0.0131	<0.01	<0.1	<0.1	<0.1	<0.01
Results greater than Limit Value in RED Bold																					

TABLE 6
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN REGIONAL AQUIFER WELLS
(Data Collected from April 1, 2017 to June 30, 2017)

Analyte	Site ID	Date	Sample ID	ug/L
Upgradient and Crossgradient Wells				
<i>cis</i> -1,2-Dichloroethene	MW-56	4/14/2017	W56-170414-	1.38
	MW-59	04/05/17	W59-170405-	1.14
	MW-76	04/14/17	W76-170414-	0.548
Tetrachloroethene	MW-76	4/14/2017	W76-170414-	0.379
Trichloroethene	MW-76	4/14/2017	W76-170414-	8.21
	MW-94	4/14/2017	W94-170414-	0.868
	MW-82	4/17/2017	W82-170417-	4.43
	MW-83	4/21/2017	W83-170421-	1.91
Vinyl Chloride	MW-65	4/25/2017	W65-170421-	0.0297
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 April 1, 2017 to June 30, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	None.			
1,1-Dichloroethane	(ug/L)	MW-30A	4/10/2017	W30A170410-	1.93
		MW-62	4/10/2017	W62-170410-	1.62
Arsenic (Total)	(mg/L)	MW-30A	4/10/2017	W30A170410-	0.000579 D
		MW-47	4/10/2017	W47-170410-	0.00299
		MW-62	4/10/2017	W62-170410-	0.000423
Iron (Dissolved)	(mg/L)	MW-47	4/10/2017	W47-170410-	3.82
Manganese (Dissolved)	(mg/L)	MW-47	4/10/2017	W47-170410-	2.9
Nitrate	(mg/L)	MW-30A	4/10/2017	W30A170410-	13.2
Total Dissolved Solids	(mg/L)	MW-47	4/10/2017	W47-170410-	698
Vinyl Chloride	(ug/L)	MW-47	4/10/2017	W47-170410-	5.17
South Solid Waste Area Perched Wells					
pH (Field)	pH Units	None.			
Arsenic (Total)	(mg/L)	MW-101	4/11/2017	W101170411-	0.00412
Manganese (Dissolved)	(mg/L)	MW-101	4/11/2017	W101170411-	1.19
Vinyl Chloride	(ug/L)	MW-101	4/11/2017	W101170411-	0.259

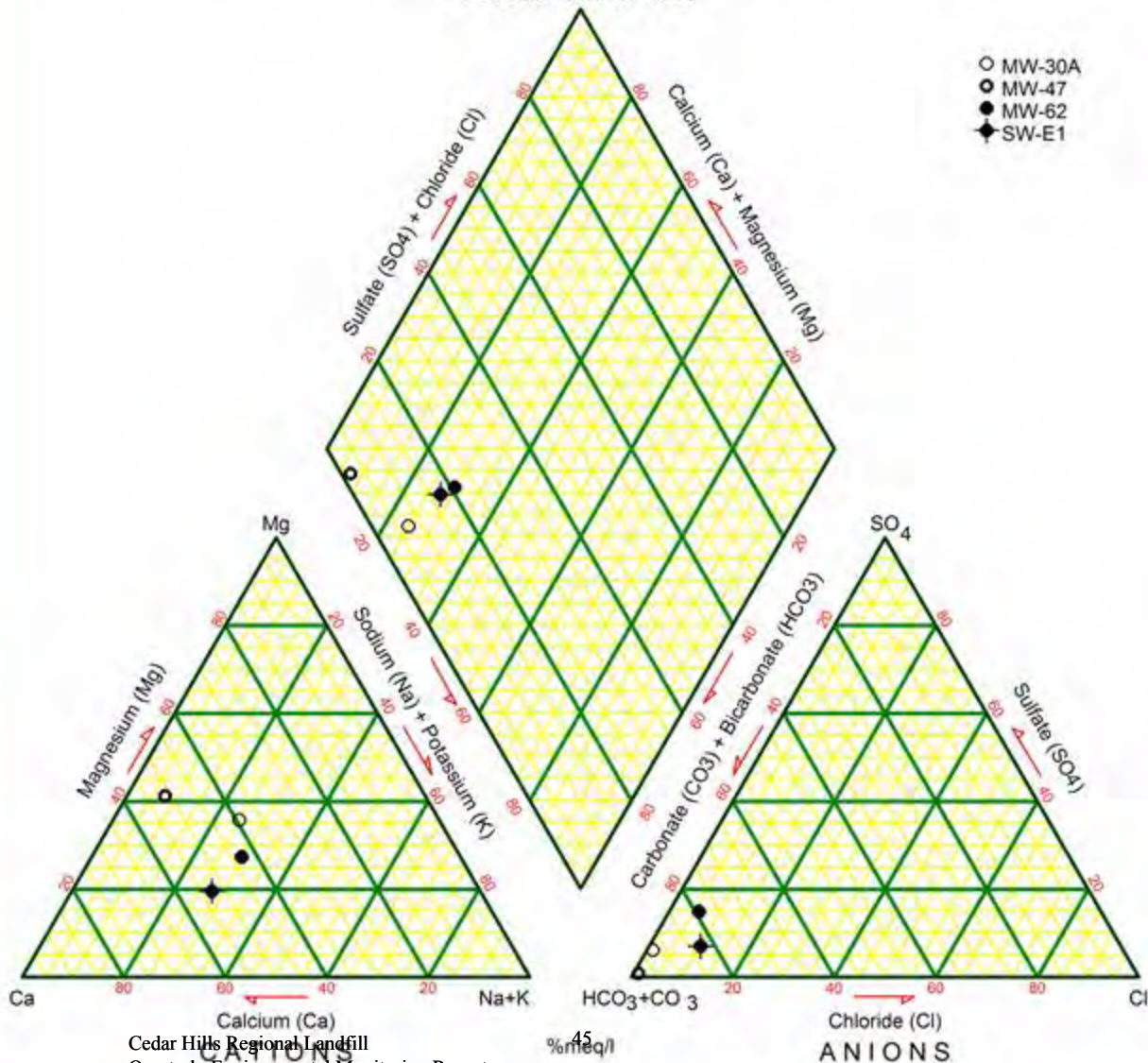
See Data Qualifier List for Qualifier Information.

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

Data Collected from April 1, 2017 to June 30, 2017

Site ID Date Molecular		East Perched Zone									SSWA		
		MW-30A 4/10/17			MW-47 4/10/17			MW-62 4/10/17			MW-101 4/11/17		
Cations	Weight	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH		6.6			6.7			6.8			7.0		
Conductance		295			620			230			525		
TDSobs		227			698			157			346		
Calcium	40.1	22.7	1.13273	39.4	131.0	6.53693	50.3	18.5	0.92315	43.1	59.5	2.96906	43.7
Magnesium	24.3	12.5	1.02859	35.8	63.9	5.25818	40.4	7.1	0.58671	27.4	36.2	2.97881	43.8
Potassium	39.1	1.4	0.03657	1.3	4.2	0.1064	0.8	1.0	0.02491	1.2	3.1	0.08005	1.2
Sodium	23.0	15.6	0.67856	23.6	19.6	0.85255	6.6	14.0	0.60897	28.4	16.6	0.72206	10.6
Iron	55.8	0.0	0	0.0	3.8	0.1368	1.1	0.0	0	0.0	0.2	0.00544	0.1
Manganese	54.9	0.0	0	0.0	2.9	0.10557	0.8	0.0	0	0.0	1.2	0.04332	0.6
Ammonia-N	14.0	0.0	0	0.0	0.1	0.00728	0.1	0.0	0	0.0	0.0	0.00091	0.0
Total Cations (meq/L)		2.9			13.0			2.1			6.8		
Anions													
Alkalinity, Total		89.4			618			73.9			321		
Carbonate	60.0	0.02293	0.00076	0.0	0.16981	0.00566	0.0	0.03003	0.001	0.0	0.20664	0.00689	0.1
Bicarbonate	61.0	109.02	1.78697	62.2	753.61	12.3525	98.1	90.10	1.47678	69.8	391.20	6.41214	97.2
Chloride	35.5	0.8	0.02257	0.8	4.5	0.12665	1.0	3.9	0.10916	5.2	2.9	0.08152	1.2
Nitrate-N	14.0	13.2	0.94239	32.8	0.0	0	0.0	3.5	0.24845	11.8	0.013	0.00093	0.0
Sulfate	96.1	5.7	0.11805	4.1	5.1	0.10556	0.8	13.4	0.279	13.2	4.5	0.09328	1.4
Total Anions (meq/L)		2.9			12.6			2.1			6.6		
Total Ions (meq/L)		5.7			25.6			4.3			13.4		
Cation/Anion Ratio		1.00			1.03			1.01			1.03		
Percent Difference		0.1			1.6			0.7			2		
TRILINEAR DIAGRAM DATA													
sum (Ca, Mg, Na+K)		2.88			12.75			2.14			6.75		
Calcium			39.4			51.3			43.06			43.99	
Magnesium			35.8			41.2			27.37			44.13	
Sodium + Potassium			24.9			7.5			29.57			11.88	
									100.0				
sum (SO ₄ , Cl, HCO ₃ +CO ₃)		1.93			12.59			1.87			6.59		
Sulfate			6.1			0.8			15.0			1.4	
Chloride			1.2			1.0			5.9			1.2	
Bicarbonate + Carbonate			92.7			98.2			79.2			97.3	
									100.0				

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



Cedar Hills Regional Landfill

Figure 8. South Solid Waste Area Perched Zone Wells
Second Quarter 2017

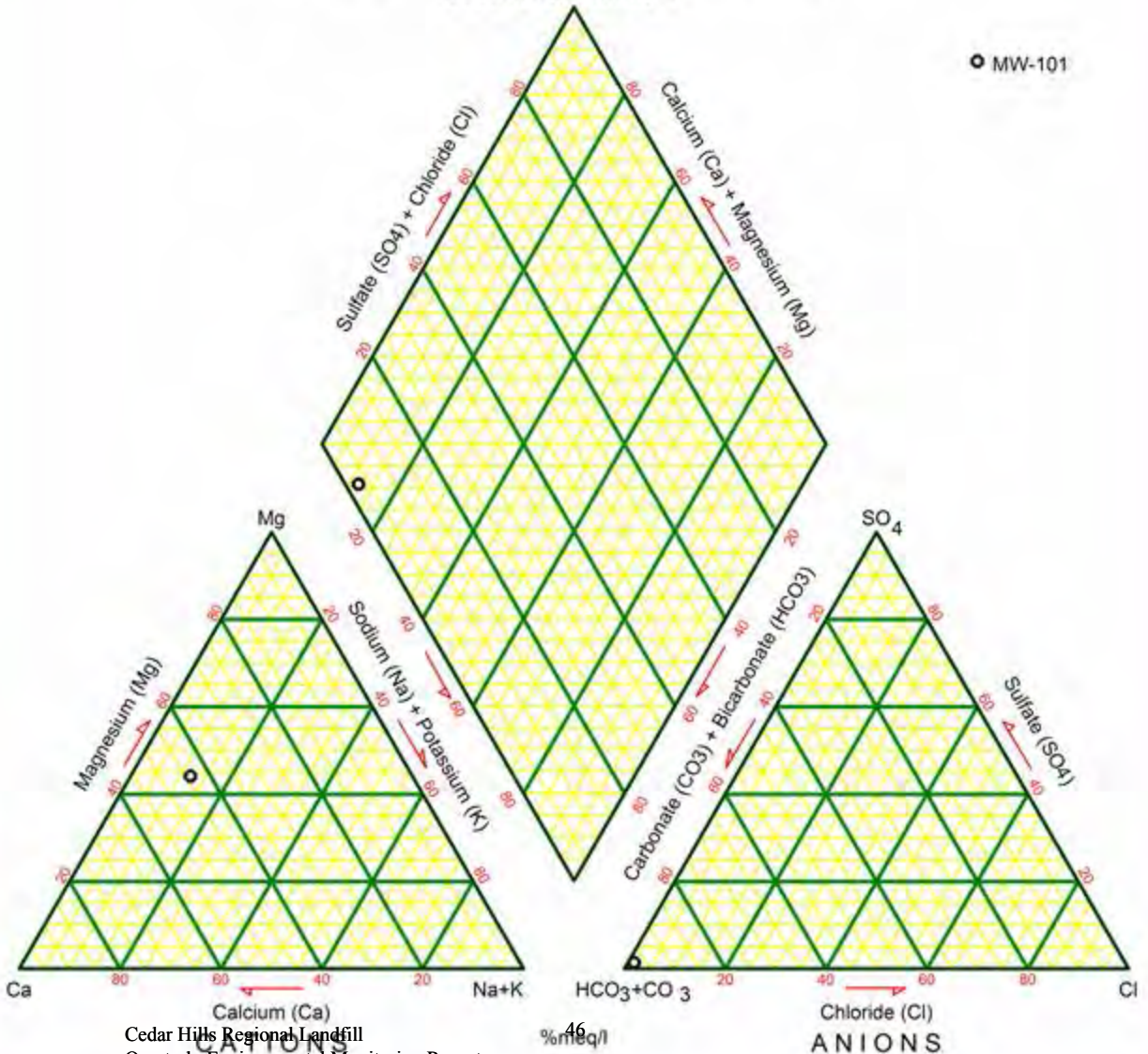


TABLE 9
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES
(Data Collected from April 1, 2017 to June 30, 2017)

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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
East Perched Zone Wells																								
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	0.00233	0.00572	7.2	8.2	0.2	0.34	19.84	0.45	1.74	0.25
	Result	<0.0003	0.000579	0.0045	<0.0001	<0.00005	0.000702	0.0000569	0.000362	<0.0001	0.000834	<0.0005	<0.00004	<0.0001	0.00236	0.000778	13.2	1.93	<0.1	<0.1	2.21	<0.1	0.99	<0.01
MW-47	Limit	0.001	0.00202	0.0470	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.013	0.74	0.2	0.2	4.1	0.2	0.2	7.96
	Result	<0.0003	0.00299	0.0393	<0.0001	<0.00005	0.00026	0.000381	<0.0002	<0.0001	0.00221	<0.0005	<0.00004	<0.0001	<0.000375	0.00107	<0.01	0.695	<0.1	0.16	2.96	<0.1	<0.1	5.17
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	8.4	14.1	6.1	0.2	17.7	0.21	0.47	0.23
	Result	<0.0003	0.000423	0.0020	<0.0001	<0.00005	0.000376	0.0000586	0.000476	<0.0001	0.000469	<0.0005	<0.00004	<0.0001	0.00143	0.000722	3.48	1.62	<0.1	<0.1	4.65	<0.1	0.12	<0.01
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.021	0.0439	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	0.2	0.2	0.2	0.2	1.00
	Result	<0.0003	0.004	0.0273	<0.0001	<0.00005	0.000739	0.000233	<0.0002	<0.0001	0.00423	<0.0005	<0.00004	<0.0001	0.00111	0.000799	0.013	0.14	<0.1	<0.1	0.19	<0.1	<0.1	0.26
Results greater than Limit Value in RED Bold																								

TABLE 10
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN PERCHED ZONE WELLS
(Data Collected from April 1, 2017 to June 30, 2017)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-30A	4/15/2016	W30A160415-	2.15
	MW-47	4/6/2016	W47-160406-	0.936
	MW-62	4/21/2016	W62-160421-	2.38
1,2-Dichloroethane	MW-47	4/10/2017	W47-170410-	0.16 JT
Acetone	EW-25	4/25/2017	EW25170425-	105
Chloroethane	MW-47	4/10/2017	W47-170410-	0.22
cis-1,2-Dichloroethene	MW-30A	4/10/2017	W30A170410-	2.21
	MW-47	4/10/2017	W47-170410-	2.96
	MW-62	4/10/2017	W62-170410-	4.65
	EW-25	4/25/2017	EW25170425-	0.229
Dichlorodifluoromethane	MW-47	4/10/2017	W47-170410-	6.31
Tetrachloroethene	MW-30A	4/10/2017	W30A170410-	0.12 JT
	EW-25	4/25/2017	EW25170425-	0.13 JT
Trichloroethene	MW-30A	4/10/2017	W30A170410-	0.99
	MW-62	4/10/2017	W62-170410-	0.12 JT
	EW-25	4/25/2017	EW25170425-	0.309
Vinyl Chloride	MW-47	4/12/2017	W47-170410-	5.17
South Solid Waste Area Perched Wells				
1,1-Dichloroethane	MW-101	4/11/2017	W101170411-	0.14 JT
Chloroethane	MW-101	4/11/2017	W101170411-	0.15 JT
cis-1,2-Dichloroethene	MW-101	4/11/2017	W101170411-	0.19 JT
Vinyl Chloride	MW-101	4/13/2017	W101170411-	0.259

See Data Qualifier List for Qualifier Information.

Table 11
Storm & Surface Water Monitoring Activities 2nd Quarter 2017

Station ID	Date	Planned Activity	Sample ID	Comment
SW-N4	4/17/2017	NPDES Permit Sample	SN4-170417P	
SW-GS1	4/17/2017	NPDES Permit Sample	SSL3170417P	
SW-SL3	4/17/2017	NPDES Permit Sample	SGS1170417P	
SW-TD1	4/17/2017	Area 5 Top Deck Monitoring	STD1170417-	
SW-TD2	5/5/2017	Area 5 Top Deck Monitoring	STD2170505-	
SW-TD4	4/19/2017	Area 5 Top Deck Monitoring	STD4170424-	
SW-TD6	4/24/2017	Area 5 Top Deck Monitoring	STD6170419-	
SW-TD4	4/19/2017	Area 5 Top Deck Monitoring	NA	No flow.
SW-TD4	4/19/2017	Area 5 Top Deck Monitoring	NA	No flow.
SW-TD6	5/1/2017	Area 5 Top Deck Monitoring	NA	No flow.
Staff Gages	4/10/2017	Monthly Stream Gage Levels	NA	
Staff Gages	5/5/2017	Monthly Stream Gage Levels	NA	
Staff Gages	6/5/2017	Monthly Stream Gage Levels	NA	

¹ No sample ID assigned, No sample collected.

TABLE 12
CEDAR HILLS LANDFILL
SUMMARY OF ISGP* STORMWATER PERMIT EXCEEDANCES
(Data Collected from April 1, 2017 to June 30, 2017)

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

*ISGP - Industrial General Stormwater Permit

TABLE 13
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from April 1, 2017 to June 30, 2017)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
2-Butanone	EQUIPMENT BLANK	04/25/17	EW25170425E	1.65
Acetone	EQUIPMENT BLANK	04/25/17	EW25170425E	21.1
	FIELD BLANK	04/10/17	W47-170410F	3.5 JT
	FIELD BLANK	04/28/17	W93-170428F	3.1 JT
Chloroform	FIELD BLANK	04/28/17	W93-170428F	0.249
Toluene	EQUIPMENT BLANK	04/25/17	EW25170425E	0.728
	FIELD BLANK	04/10/17	W47-170410F	0.249
	FIELD BLANK	04/28/17	W93-170428F	0.13 JT

See Data Qualifier List for Qualifier Information.

Table 14
Groundwater Quality Criteria

			Ground Water	
	Analyte	CAS No.	Quality Criteria	
			Criterion*	
I.	PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES			
	A. Primary Contaminants			
	Barium	7440-39-3	1.0	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	4.0	mg/L
	Nitrate	14797-55-8	10.0	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	1.0	mg/L
	Iron	7439-89-6	0.3	mg/L
	Manganese	7439-96-5	0.05	mg/L
	Zinc	7440-66-6	5.0	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	4.0	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	2.0	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	6.0	ug/L
	3,3-Dimethylbenzidine	119-93-7	0.007	ug/L
	4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2.0	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
Benzotrichloride	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	17.0	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,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	2.0	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 April 1, 2017 to June 30, 2017)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	Cause of Unuseability
Chromium	mg/L	MW-47	4/10/2017	W47-170410-	0.00026	Blank Contamination
Zinc	mg/L	MW-47	4/10/2017	W47-170410-	0.00107	Blank Contamination
		MW-93	4/28/2017	W93-170428-	0.00133	Blank Contamination
Acetone	ug/L	EW-25	4/25/2017	EW25170425-	105	Blank Contamination

See Data Qualifier List for Qualifier Information.

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

201 South Jackson Street, Suite 600

Seattle, WA 98104-3855

206-477-4800 Fax 206-296-0192

TTY Relay: 711

Memorandum

August 29, 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
Second Quarter 2017 Results
Cedar Hills Landfill, King County, Washington
Project No. 1033379 – Task 02.14.137.20

The King County Water and Land Resources Division (KCWLR Division) submits this memorandum report on groundwater conditions during the second 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 April 3, 2017. These measurements were received by KCWLR Division on July 3, 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 first quarter of the 2017 monitoring event.

Groundwater Elevation Data

KCSWD attempted groundwater level measurements at 41 monitoring wells during the second 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 22 wells with water levels within ten feet of the top of screen were selected.

Figure 1 shows well locations, groundwater elevations at the 22 selected wells, groundwater potentiometric surface contours, and interpreted groundwater flow direction in the regional aquifer for the April 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 April 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-northeast and east.

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 second quarter 2017 data. The hydraulic gradient was greatest under the southern portion of the landfill and smallest under the northern portion. On April 3, 2017, average horizontal groundwater velocity within the regional aquifer ranged from 0.010 feet per day (ft/d) under the southern portion of the landfill to 2.4 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 - Second Quarter 2017
- Table 2: Groundwater Parameters - Second Quarter 2017
- Figure 1: Groundwater Potentiometric Surface Map – Second Quarter 2017 – Regional Aquifer

Table 1: Groundwater Elevations – Second 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)	April 3, 2017	
							Measured Depth to Water (ft)	Groundwater Elevations (ft MSL)
Wells with water levels within 10 feet of the top of screen	MW-64	1701980.27	168772.19	596.55	334.03	320.23	265.15	331.4
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.21	293.07
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.3	296.13
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	332.08	314.99
	MW-69	1698061.86	172400.20	653.69	293.57	279.97	356.13	297.56
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	360.48	311.39
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	190.49	295.21
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	239.81	291.45
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.21	309.45
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	118.12	356.73
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	141	355.81
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	235.82	294.98
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	244.83	286.93
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	248.86	287.18
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	246.47	290.84
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	226.44	287.24
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.36	323.79
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	135.51	360
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.07	320.47
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.5	322.82
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	189.26	286.21
	NPW-1	1701906.96	171138.99	646.33	299.87	284.87	337.21	309.12
Wells with water levels greater than 10 feet above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	124.94	295.72
	MW-22P	1701844.34	173088.17	517.09	236.02	231.22	231.41	285.68
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	143	332.99
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	262.35	284.71
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	277.9	302.53
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	120.99	359.34
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	95.17	361.47
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	147.17	332.1
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	121.11	336.02
	MW-60	1701154.47	167873.20	567.15	334.81	325.81	219.45	347.7
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	206.7	339.13
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	244.71	287.69
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	129.95	361.76
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.57	291.84
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	230.75	282.07
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	219.77	282.45
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	246.08	285.94
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	199.89	293.75
	NPW-3	1701922.88	170663.28	645.81	284.87	276.87	330.95	314.86

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.

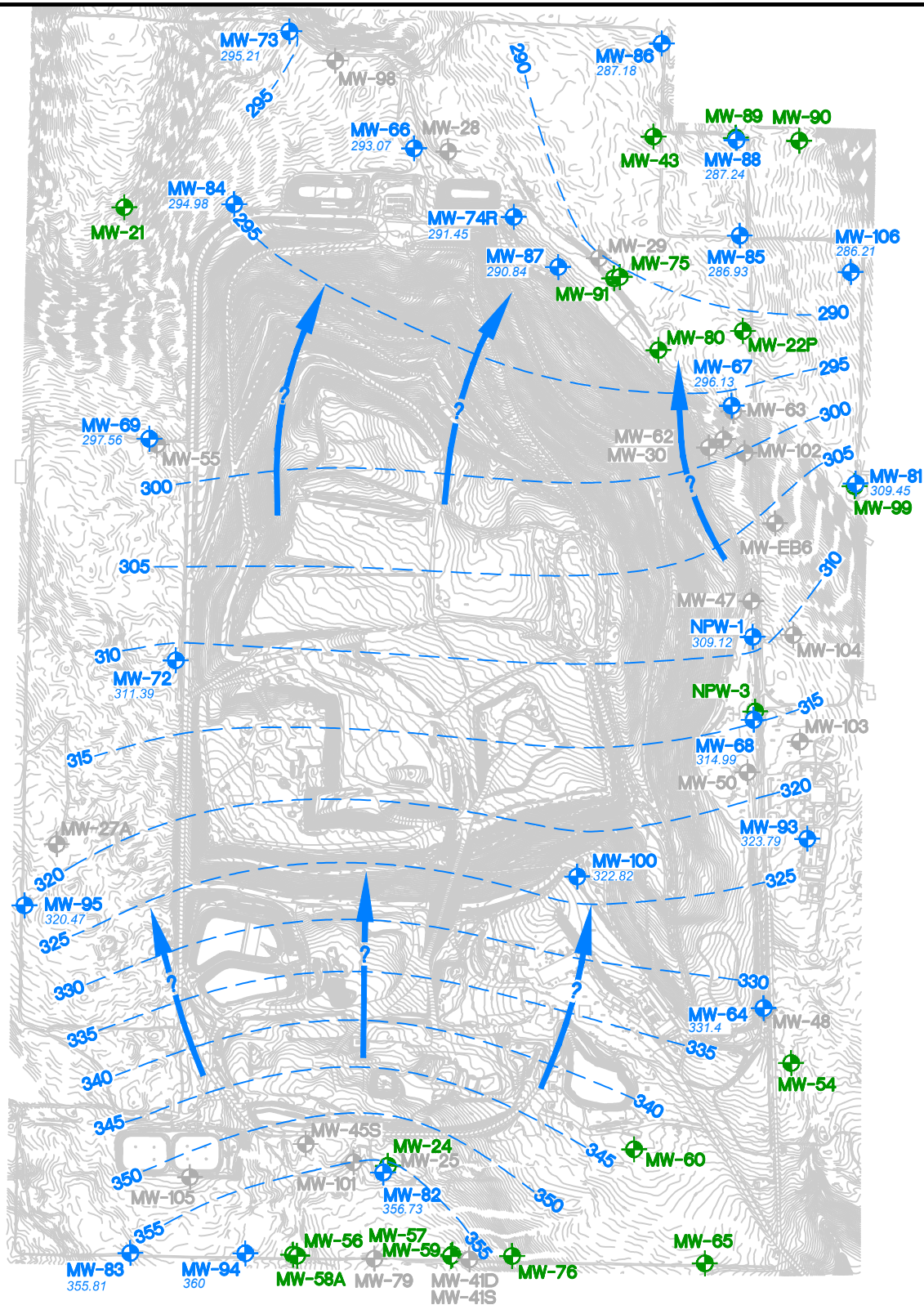
Table 2: Groundwater Parameters – Second Quarter 2017

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	0.0051	24%	0.128	E, NE
	Maximum	4.20E-02	120	0.0051	24%	2.56	
	Mean	2.10E-02	60	0.0051	24%	1.28	
Central	Minimum	2.10E-03	6	0.0097	24%	0.24	N, NNE, NNW
	Maximum	4.20E-02	120	0.0097	24%	4.8	
	Mean	2.10E-02	60	0.0097	24%	2.4	
Southern	Minimum	6.40E-06	0.018	0.0149	26%	0.0010	NNW, N, NE
	Maximum	6.40E-04	1.8	0.0149	26%	0.10	
	Mean	6.40E-05	0.18	0.0149	26%	0.010	

Notes

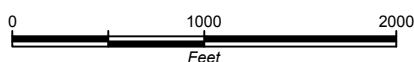
1. Horizontal hydraulic conductivity values and effective porosity values from *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010)*.
2. Hydraulic gradients measured from the potentiometric surface map shown on Figure 1.
3. Mean hydraulic 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** Well completed in Regional Aquifer within 10 feet of the water table
MW-X Wells completed in Regional Aquifer more than 10 ft below water table
MW-X Wells screened in discontinuous Perched Zones

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



Notes:

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



Groundwater Potentiometric Surface Map Second Quarter 2017 - Regional Aquifer

Cedar Hills Landfill
King County, Washington

DATE	August 2017	PROJECT NO.	1033379
DESIGNED BY	SB	FIGURE NO.	1
DRAWN BY	LT		
REVISED BY	SB		

APPENDIX B

Field Data and Analytical Test Results

Groundwater Analytical Data

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-21	4/3/2017	420.66	124.94	295.72	
MW-22	4/3/2017	517.09	231.41	285.68	
MW-24	4/3/2017	475.99	143	332.99	
MW-25	4/3/2017	474.41	4.96	469.45	
MW-27A	4/3/2017	584.23	54.11	530.12	
MW-28	4/3/2017	527.75	21.21	506.54	
MW-29	4/3/2017	532.92	9.31	523.61	
MW-30A	4/3/2017	568.43	29.09	539.34	
MW-41D	4/3/2017	462.32	25.31	437.01	
MW-41S	4/3/2017	462.44	3.69	458.75	
MW-43	4/3/2017	547.06	262.35	284.71	
MW-45	4/3/2017	488.4	13.89	474.51	
MW-47	4/3/2017	634.6	15.36	619.24	
MW-48	4/3/2017	594.49	42.27	552.22	
MW-50	4/3/2017	637.02	29.61	607.41	
MW-54	4/3/2017	580.43	277.9	302.53	
MW-55	4/3/2017	652.29	27.32	624.97	
MW-56	4/3/2017	480.33	120.99	359.34	
MW-57	4/3/2017	456.64	95.17	361.47	
MW-58A	4/3/2017	479.27	147.17	332.10	
MW-59	4/3/2017	457.13	121.11	336.02	
MW-60	4/3/2017	567.15	219.45	347.70	
MW-62	4/3/2017	556.21	48.9	507.31	
MW-63	4/3/2017	515.88	9.75	506.13	
MW-64	4/3/2017	596.55	265.15	331.40	
MW-65	4/3/2017	545.83	206.7	339.13	
MW-66	4/3/2017	531.28	238.21	293.07	
MW-67	4/3/2017	516.43	220.3	296.13	
MW-68	4/3/2017	647.07	332.08	314.99	
MW-69	4/3/2017	653.69	356.13	297.56	
MW-72	4/3/2017	671.87	360.48	311.39	
MW-73	4/3/2017	485.7	190.49	295.21	
MW-74	4/3/2017	531.26	239.81	291.45	
MW-75	4/3/2017	532.4	244.71	287.69	
MW-76	4/3/2017	491.71	129.95	361.76	
MW-79	4/3/2017	459.17	--	--	Damaged
MW-80	4/3/2017	530.41	238.57	291.84	
MW-81	4/3/2017	493.66	184.21	309.45	
MW-82	4/3/2017	474.85	118.12	356.73	
MW-83	4/3/2017	496.81	141	355.81	
MW-84	4/3/2017	530.8	235.82	294.98	
MW-85	4/3/2017	531.76	244.83	286.93	
MW-86	4/3/2017	536.04	248.86	287.18	
MW-87	4/3/2017	537.31	246.47	290.84	

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-88	4/3/2017	513.68	226.44	287.24	
MW-89	4/3/2017	512.82	230.75	282.07	
MW-90	4/3/2017	502.22	219.77	282.45	
MW-91	4/3/2017	532.02	246.08	285.94	
MW-93	4/3/2017	632.15	308.36	323.79	
MW-94	4/3/2017	495.51	135.51	360.00	
MW-95	4/3/2017	571.54	251.07	320.47	
MW-98	4/3/2017	503.73	14.58	489.15	
MW-99	4/3/2017	493.64	199.89	293.75	
MW-100	4/3/2017	620.32	297.5	322.82	
MW-101	4/3/2017	474.72	32.03	442.69	
MW-102	4/3/2017	552.48	43.61	508.87	
MW-103	4/3/2017	639.08	10.57	628.51	
MW-104	4/3/2017	629.68	23.16	606.52	
MW-105	4/3/2017	521.23	17.89	503.34	
MW-106	4/3/2017	475.47	189.26	286.21	
MW-EB5	4/3/2017	645.36	35.84	609.52	
MW-EB5S	4/3/2017	645.77	7.24	638.53	
MW-EB6	4/3/2017	589.61	25.32	564.29	
WS-NPW-1	4/3/2017	646.33	337.21	309.12	
WS-NPW-3	4/3/2017	645.81	330.95	314.86	

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (° C)	Purge Volume (gal)	Dissolved Oxygen (mg/L)	ORP mV	Turbidity NTU
MW-21	4/14/2017	W21-170414-	7.45	138.2	9.17	2	0.69	109	1.46
MW-21 Duplicate	4/14/2017	W21-170414D	7.45	138.2	9.17	2	0.69	109	1.46
MW-24	4/17/2017	W24-170417-	6.93	183.4	9.57	4.5	1.09	90	1.4
MW-30A	4/10/2017	W30A170410-	6.63	295	11.6	3.1			
MW-47	4/10/2017	W47-170410-	6.66	620	11	15.96			0.2
MW-56	4/14/2017	W56-170414-	6.72	355.3	9.49	2.25			0.34
MW-59	4/5/2017	W59-170405-	6.95	191.9	9.85	2.75	1.09	93	4.83
MW-62	4/10/2017	W62-170410-	6.83	230	9.9	2.5			1.27
MW-64	4/27/2017	W64-170427-	7.18	237.1	11.31	12.5	0.98	205	0.68
MW-65	4/21/2017	W65-170421-	6.75	154.3	9.8	2	1.25	81	136
MW-66	4/18/2017	W66-170418-	7.13	242.5	9.91	2.5	5.31	392.5	0.89
MW-67	6/15/2017	W67-170615-	6.73	354.3	9.68	3	2.74	124.6	7.55
MW-68	4/19/2017	W68-170419-	7.03	287.9	10.1	6	0.28	84	9.61
MW-69	4/18/2017	W69-170418-	7.33	307.7	9.32	6.5	0.45	-52	0.42
MW-72	5/4/2017	W72-170504-	6.93	341	11.12	1	8.77	326.7	2.04
MW-73	4/21/2017	W73-170421-	6.75	138.3	9.19	2.5	9.33	409	50.1
MW-74	4/7/2017	W74R170407-	7.08	570.6	10.32	2.75	4.26	163	0.23
MW-75	4/7/2017	W75-170407-	7.02	353.7	9.62	3	0.74	-23.8	39.3
MW-75 Duplicate	4/7/2017	W75-170407D	7.02	353.7	9.62	3	0.74	-23.8	39.3
MW-76	4/14/2017	W76-170414-	6.55	233.2	9.57	1.5	8.18	320.7	0.58
MW-80	4/7/2017	W80-170407-	7.1	318.9	9.7	3.5	0.83	-56.4	5.7
MW-81	4/17/2017	W81-170417-	7.26	152.4	9.86	2	6.32	252.2	2.39
MW-82	4/17/2017	W82-170417-	6.91	322.2	9.86	2	8.3	171	2.06
MW-83	4/21/2017	W83-170421-	6.88	473.9	10.78	2.5	3.19	150	0.16
MW-84	4/18/2017	W84-170418-	6.86	167.5	9.53	2.5	1.63	374.4	0.2
MW-85	4/28/2017	W85-170428-	7.01	341.8	9.4	2.1	3.27	303.2	0.14
MW-86	4/14/2017	W86-170414-	6.98	191.5	9.06	5.5	0.51	145	36.2
MW-87	4/21/2017	W87-170421-	6.71	529.5	11.05	2.25	1.19	-14.3	73.6
MW-88	4/25/2017	W88-170425-	7.15	127.1	9.36	3.25	4.74	374	0.38
MW-89	4/25/2017	W89-170425-	7.29	199.3	9.62	3	1.98	71	287
MW-93	4/28/2017	W93-170428-	7.23	332.9	11.33	3.5	1.07	350	0.72
MW-94	4/14/2017	W94-170414-	6.72	355.3	9.49	2.25	6.12	335.3	0.34
MW-95	4/5/2017	W95-170405-	7.41	221.5	9.48	5.5	0.51	184	0.45
MW-100	4/7/2017	W100170407-	6.96	289.2	11.27	4.45	0.88	164	63.4
MW-101	4/11/2017	W101170411-	7.03	525	11.1	2.5			
MW-105	4/11/2017	--		130					
FIELD BLANK	4/10/2017	W47-170410F	7.99	2.5	7.2				
FIELD BLANK	4/28/2017	W93-170428F	8.38	0.5	13.5				

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO ₃) (mg/L)	Ammonia, (NH ₃) (mg/L)	Chloride (mg/L)	Cyanide mg/l	Nitrate- Nitrogen, (NO ₃ as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO ₄) (mg/L)	Sulfide (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-21	4/14/2017	W21-170414-	54.4	0.0097 T	2.58		0.01 U	134	6.38		80.7	0.5 U	87.3	0.8 T
MW-21 Duplicate	4/14/2017	W21-170414D	53.9	0.0099 T	2.6		0.01 U	134	6.45		78.7	0.5 U	85.3	0.8 T
MW-24	4/17/2017	W24-170417-	66.2	0.0363	3.77		0.01 U	180	15.4		109	0.5 U	119	0.5 U
MW-30A	4/10/2017	W30A170410-	89.4	0.002 U	0.8		13.2	302	5.67		227	1.01	232	1.4
MW-47	4/10/2017	W47-170410-	618	0.102	4.49		0.01 U	1130	5.07		698	4.96	728	0.5 U
MW-56	4/14/2017	W56-170414-	56.4	0.0067 T	17.3		0.244	199	9.59		118	0.9 T	129	0.8 T
MW-59	4/5/2017	W59-170405-	68	0.0053 T	4.56		0.02 T	190	17.5		121	1.05	128	5.8
MW-62	4/10/2017	W62-170410-	73.9	0.002 U	3.87		3.48	228	13.4		157	1	159	0.5 T
MW-64	4/27/2017	W64-170427-	96.5	0.0283	2.89		0.013 T	237	17		141	0.5 U	149	1 U
MW-65	4/21/2017	W65-170421-	52.7	0.0043 T	3.62		0.01 U	147	12.5		90	0.59 T	116	30
MW-66	4/18/2017	W66-170418-	93.5	0.002 U	5.51		0.542	238	14.2		139	0.5 U	147	1.1
MW-67	6/15/2017	W67-170615-	147	0.0072 T	5.36		0.153	366	34.7		215	0.5 U	232	8.2
MW-68	4/19/2017	W68-170419-	128	0.018	2.9		0.01 T	291	15.7		160	0.5 U	181	7.6
MW-69	4/18/2017	W69-170418-	128	0.0156	3.72		0.01 U	306	20.8		181	0.5 U	189	1.4
MW-72	5/4/2017	W72-170504-	121	0.002 U	5.68		0.019 T	335	38.3		203	0.85 T	212	0.6 T
MW-73	4/21/2017	W73-170421-	51.5	0.002 U	2.43		0.98	141	8.86		92	0.76 T	225	128
MW-74	4/7/2017	W74R170407-	229	0.002 U	26.1		0.286	572	30.9		358	0.72 T	353	0.5 U
MW-75	4/7/2017	W75-170407-	104	0.0084 T	9.43		0.01 U	347	49.7		225	0.62 T	241	4.7
MW-75 Duplicate	4/7/2017	W75-170407D	104	0.0083 T	9.55		0.01 U	347	51.2		225	0.55 T	238	7.3
MW-76	4/14/2017	W76-170414-	56.8	0.002 U	13.2		1.7	232	24.7		157	2.19	159	0.5 U
MW-80	4/7/2017	W80-170407-	110	0.0106	4.84		0.01 U	311	36.7		201	0.5 U	212	4.4
MW-81	4/17/2017	W81-170417-	51	0.002 U	4.94		1.42	153	8.47		95.3	0.5 U	102	5.4
MW-82	4/17/2017	W82-170417-	127	0.002 U	11.8		0.443	330	16.8		197	0.58 T	208	5
MW-83	4/21/2017	W83-170421-	147	0.0024 T	48.6		2.81	479	8.59		303	4.82	324	0.5 U
MW-84	4/18/2017	W84-170418-	62.6	0.002 U	3.54		0.193	168	12.8		98	0.5 U	107	0.5 U
MW-85	4/28/2017	W85-170428-	118	0.0021 T	9.79		0.114	336	35.9		217	0.58 T	223	0.5 U
MW-86	4/14/2017	W86-170414-	63.6	0.0025 T	4.82		0.01 U	190	20.9		113	0.5 U	129	7.2
MW-87	4/21/2017	W87-170421-	93.7	0.02	10.4		0.01 U	514	145		359	0.99 T	406	33.4
MW-88	4/25/2017	W88-170425-	51.8	0.002 U	1.91		0.575	130	6.63		84	0.56 T	85.3	0.5 U
MW-89	4/25/2017	W89-170425-	71.8	0.0151	8.82		0.01 U	199	15.1		121	2.06	223	125
MW-93	4/28/2017	W93-170428-	119	0.0601	2.83		0.011 T	334	43.9		215	0.57 T	228	1 U
MW-94	4/14/2017	W94-170414-	110	0.028	32.3		0.256	352	6		218	8.09	227	0.5 U
MW-95	4/5/2017	W95-170405-	86.1	0.0259	4.44		0.01 U	221	16.1		139	0.65 T	145	0.5 U
MW-100	4/7/2017	W100170407-	124	0.0109	2.67		0.01 U	285	15.5		170	0.72 T	203	24.4
MW-101	4/11/2017	W101170411-	321	0.0127	2.89	0.002 U	0.013 T	605	4.48	0.01 U	346	4.87	373	31.4
FIELD BLANK	4/10/2017	W47-170410F	1 U	0.002 U	0.05 U		0.01 U	1.6 T	0.1 U		10 U	0.5 U	10 U	1 U
FIELD BLANK	4/28/2017	W93-170428F	1 U	0.002 U	0.05 U		0.01 U	1.4 T	0.1 U		10 U	0.5 U	10 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, dissolved (mg/L)	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)
MW-21	4/14/2017	W21-170414-	0.0003 U	0.0003 U	0.00098	0.00101	0.00454	0.00449	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.0003 U	0.0003 U	0.000974	0.000982	0.00458	0.00438	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-24	4/17/2017	W24-170417-	0.0003 U	0.0003 U	0.000626	0.00063	0.00198	0.002	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-30A	4/10/2017	W30A170410-	0.0003 U	0.0003 U	0.000526	0.000579 D	0.00377	0.00445	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-47	4/10/2017	W47-170410-	0.0003 U	0.0003 U	0.00405	0.00299	0.034	0.0393	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-56	4/14/2017	W56-170414-	0.0003 U	0.0003 U	0.0001 U	0.000109	0.00326	0.0033	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-59	4/5/2017	W59-170405-	0.0003 U	0.0003 U	0.000386	0.000504 D	0.0036	0.00419	0.0001 U	0.0001 U	5E-05 U	6.70E-05
MW-62	4/10/2017	W62-170410-	0.0003 U	0.0003 U	0.000414	0.000423	0.00154	0.00196	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-64	4/27/2017	W64-170427-	0.0003 U	0.0003 U	0.000705	0.00126	0.0082	0.00892	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-65	4/21/2017	W65-170421-	0.0003 U	0.0003 U	0.000365	0.00242	0.00637	0.0078	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-66	4/18/2017	W66-170418-	0.0003 U	0.0003 U	0.000622	0.000718	0.00493	0.0052	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-67	6/15/2017	W67-170615-	0.0003 U	0.0003 U	0.000374	0.00108	0.012	0.0133	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-68	4/19/2017	W68-170419-	0.0003 U	0.0003 U	0.00945	0.132	0.0108	0.0126	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-69	4/18/2017	W69-170418-	0.0003 U	0.0003 U	0.00195	0.00225	0.011	0.0109	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-72	5/4/2017	W72-170504-	0.0003 U	0.0003 U	0.0001 U	0.0001 U	0.00889	0.0102	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-73	4/21/2017	W73-170421-	0.0003 U	0.0003 U	0.000612	0.00151	0.00242	0.0225	0.0001 U	0.000186	5E-05 U	5.08E-05
MW-74	4/7/2017	W74R170407-	0.0003 U	0.0003 U	0.000487	0.000448 D	0.0115	0.013	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-75	4/7/2017	W75-170407-	0.0003 U	0.0003 U	0.000507	0.000603 D	0.0106	0.0122	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.0003 U	0.0003 U	0.000501	0.000622 D	0.0105	0.012	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-76	4/14/2017	W76-170414-	0.0003 U	0.0003 U	0.000206	0.000201	0.00342	0.00362	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-80	4/7/2017	W80-170407-	0.0003 U	0.0003 U	0.00434	0.00718 D	0.0142	0.0149	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-81	4/17/2017	W81-170417-	0.0003 U	0.0003 U	0.000566	0.000625	0.00283	0.003	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-82	4/17/2017	W82-170417-	0.0003 U	0.0003 U	0.000237	0.000246	0.00122	0.00164	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-83	4/21/2017	W83-170421-	0.0003 U	0.0003 U	0.000289	0.000343	0.00618	0.00612	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-84	4/18/2017	W84-170418-	0.0003 U	0.0003 U	0.000294	0.000359	0.0037	0.00363	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-85	4/28/2017	W85-170428-	0.0003 U	0.0003 U	0.000717	0.000723	0.00628	0.00638	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-86	4/14/2017	W86-170414-	0.0003 U	0.0003 U	0.000979	0.00414	0.00545	0.00568	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-87	4/21/2017	W87-170421-	0.0003 U	0.0003 U	0.00048	0.0116	0.0233	0.0289	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-88	4/25/2017	W88-170425-	0.0003 U	0.0003 U	0.00102	0.000977	0.00236	0.00233	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-89	4/25/2017	W89-170425-	0.0003 U	0.0003 U	0.000796	0.0266	0.00624	0.0256	0.0001 U	0.0001	5E-05 U	5.55E-05
MW-93	4/28/2017	W93-170428-	0.0003 U	0.0003 U	0.00127	0.00129	0.00783	0.00818	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-94	4/14/2017	W94-170414-	0.0003 U	0.0003 U	0.000383	0.000351	0.0053	0.00542	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-95	4/5/2017	W95-170405-	0.0003 U	0.0003 U	0.0011	0.00107 D	0.0035	0.00413	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-100	4/7/2017	W100170407-	0.0003 U	0.0003 U	0.000446	0.00482 D	0.00496	0.0078	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-101	4/11/2017	W101170411-	0.0003 U	0.0003 U	0.00375	0.00412	0.0286	0.0273	0.0001 U	0.0001 U	5E-05 U	5E-05 U
FIELD BLANK	4/10/2017	W47-170410F	0.0003 U	0.0003 U	0.0001 U	0.0001 U	0.0005 U	0.0005 U	0.0001 U	0.0001 U	5E-05 U	5E-05 U
FIELD BLANK	4/28/2017	W93-170428F	0.0003 U	0.0003 U	0.0001 U	0.0001 U	0.0005 U	0.0005 U	0.0001 U	0.0001 U	5E-05 U	5E-05 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)	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)
MW-21	4/14/2017	W21-170414-	11.2	11.2	0.0002 U	0.000286	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.2	2.66
MW-21 Duplicate	4/14/2017	W21-170414D	11.1	11.2	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.000283	0.0002 U	2.21	2.64
MW-24	4/17/2017	W24-170417-	14.5	14.9	0.0002 U	0.000354	5E-05 U	5E-05 U	0.0002 U	0.0002 U	3.1	3.25
MW-30A	4/10/2017	W30A170410-	22.7	23.9	0.000536	0.000702	5E-05 U	5.69E-05	0.0002 U	0.000362	0.01 U	0.113
MW-47	4/10/2017	W47-170410-	131	146	0.0002 U	0.00026	0.00035	0.000381	0.0002 U	0.0002 U	3.82	4.16
MW-56	4/14/2017	W56-170414-	16.4	16.5	0.0002 U	0.000311	0.000182	0.000182	0.0002 U	0.000301	0.11	0.182
MW-59	4/5/2017	W59-170405-	14.2	15.8	0.0002 U	0.000311	5E-05 U	5E-05 U	0.0002 U	0.000653	3.24	4.52
MW-62	4/10/2017	W62-170410-	18.5	19.9	0.0002 U	0.000376	5E-05 U	5.86E-05	0.000293	0.000476	0.01 U	0.0468
MW-64	4/27/2017	W64-170427-	18.2	18.3	0.0002 U	0.0002 U	6.32E-05	0.000349 D	0.0002 U	0.0002 U	0.0881	0.299
MW-65	4/21/2017	W65-170421-	12.1	12.2 D	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	3.75	8.2
MW-66	4/18/2017	W66-170418-	18.7	18.5 D	0.0002 U	0.000224	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.0559
MW-67	6/15/2017	W67-170615-	34.6	35.6	0.0002 U	0.0002 U	0.000117	0.000202	0.0002 U	0.00029	0.244	0.859
MW-68	4/19/2017	W68-170419-	27.8	28.3 D	0.0002 U	0.000912	0.000229	0.000291	0.0002 U	0.002	0.642	2.99
MW-69	4/18/2017	W69-170418-	31.7	32.3 D	0.0002 U	0.000443	5E-05 U	5E-05 U	0.0002 U	0.0002 U	1.01	1.07
MW-72	5/4/2017	W72-170504-	26.7	31.6	0.0002 U	0.000895	5E-05 U	5E-05 U	0.0002 U	0.000451	0.617	0.586
MW-73	4/21/2017	W73-170421-	12.3	13.4 D	0.0002 U	0.00134	5E-05 U	0.000611	0.0002 U	0.00229	0.01 U	1.53
MW-74	4/7/2017	W74R170407-	45.2	48.4	0.0002 U	0.00034	5E-05 U	5E-05 U	0.0002 U	0.000208	0.01 U	0.0189
MW-75	4/7/2017	W75-170407-	27.9	28.4	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	1.92	2.32
MW-75 Duplicate	4/7/2017	W75-170407D	28	28.3	0.0002 U	0.000231	5E-05 U	5E-05 U	0.0002 U	0.0002 U	1.91	2.33
MW-76	4/14/2017	W76-170414-	20.1	20.3	0.000774	0.00091	5E-05 U	5E-05 U	0.000715	0.000795	0.01 U	0.01 U
MW-80	4/7/2017	W80-170407-	30.9	31	0.0002 U	0.000353	5E-05 U	5E-05 U	0.0002 U	0.000227	2.05	2.95
MW-81	4/17/2017	W81-170417-	13	12.6	0.0002 U	0.000296	5E-05 U	6.18E-05	0.0002 U	0.000242	0.01 U	0.0892
MW-82	4/17/2017	W82-170417-	30.5	31.3 D	0.000319	0.00147	5E-05 U	5E-05 U	0.0002 U	0.000245	0.0134	0.0939
MW-83	4/21/2017	W83-170421-	49.4	49.3 D	0.0002 U	0.000309	0.000112	0.000112	0.00209	0.00205	0.01 U	0.01 U
MW-84	4/18/2017	W84-170418-	12.5	12.7 D	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-85	4/28/2017	W85-170428-	30	30.7	0.00026	0.0002 U	5E-05 U	5E-05 DU	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-86	4/14/2017	W86-170414-	14.8	15.2	0.0002 U	0.00021	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.98	2.97
MW-87	4/21/2017	W87-170421-	45	44.7 D	0.0002 U	0.000411	0.000121	0.000148	0.0002 U	0.000592	4.46	13.5
MW-88	4/25/2017	W88-170425-	9.57	9.35	0.000558	0.000573	5E-05 U	5E-05 DU	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-89	4/25/2017	W89-170425-	13.8	14.8	0.0002 U	0.000457	5E-05 U	5E-05 DU	0.0002 U	0.000499	0.423	32.7
MW-93	4/28/2017	W93-170428-	31.8	32.4	0.0002 U	0.0002 U	7.11E-05	0.000101 D	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-94	4/14/2017	W94-170414-	34.1	35.2	0.000226	0.000706	0.000289	0.000282	0.00506	0.0051	0.01 U	0.01 U
MW-95	4/5/2017	W95-170405-	18.3	21.1	0.0002 U	0.000413	5.96E-05	8.46E-05	0.0002 U	0.0002 U	0.01 U	0.0117
MW-100	4/7/2017	W100170407-	23.2	26.5	0.0002 U	0.000261	0.000205	0.000443	0.0002 U	0.00127	0.754	8.64
MW-101	4/11/2017	W101170411-	59.5	62.5 D	0.00022	0.000739	0.000234	0.000233	0.0002 U	0.0002 U	0.152	0.185
FIELD BLANK	4/10/2017	W47-170410F	0.05 U	0.05 U	0.0002 U	0.000216	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U
FIELD BLANK	4/28/2017	W93-170428F	0.05 U	0.05 U	0.0002 U	0.0002 U	5E-05 U	5E-05 DU	0.0002 U	0.0002 U	0.01 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)
MW-21	4/14/2017	W21-170414-	0.0001 U	0.0001 U	6.16	6.24	0.0902	0.091	5E-05 U	5E-05 U	0.000214	0.000461
MW-21 Duplicate	4/14/2017	W21-170414D	0.0001 U	0.0001 U	6.15	6.23	0.0904	0.0908	5E-05 U	5E-05 U	0.00041	0.000229
MW-24	4/17/2017	W24-170417-	0.0001 U	0.0001 U	9.31	9.76	0.101	0.104	5E-05 U	5E-05 U	0.000103	0.000187
MW-30A	4/10/2017	W30A170410-	0.0001 U	0.0001 U	12.5	13.3	0.0001 U	0.00133	5E-05 U	5E-05 U	0.000656	0.000834
MW-47	4/10/2017	W47-170410-	0.0001 U	0.0001 U	63.9	68.7	2.9	3.19	5E-05 U	5E-05 U	0.0019	0.00221
MW-56	4/14/2017	W56-170414-	0.0001 U	0.0001 U	9.47	9.56	0.307	0.3	5E-05 U	5E-05 U	0.00077	0.000875
MW-59	4/5/2017	W59-170405-	0.0001 U	0.000171	8.68	9.94	0.108	0.133	5E-05 U	5E-05 U	0.000317	0.000561
MW-62	4/10/2017	W62-170410-	0.0001 U	0.0001 U	7.13	7.52	0.0001 U	0.000988	5E-05 U	5E-05 U	0.000305	0.000469
MW-64	4/27/2017	W64-170427-	0.0001 U	0.0001 U	14.3	14.2	0.0512	0.178	5E-05 U	5E-05 U	0.000358	0.000736 D
MW-65	4/21/2017	W65-170421-	0.0001 U	0.0001 U	7.27	7.23	0.166	0.212 D	5E-05 U	5E-05 U	0.000199	0.0002
MW-66	4/18/2017	W66-170418-	0.0001 U	0.0001 U	14.8	14.8	0.0001 U	0.00127 D	5E-05 U	5E-05 U	0.00016	0.000247
MW-67	6/15/2017	W67-170615-	0.0001 U	0.0001 U	21.2	20.8	0.161	0.27	5E-05 U	5E-05 U	0.000271 D	0.00039
MW-68	4/19/2017	W68-170419-	0.0001 U	0.0001 U	15.6	15.8	0.303	0.329 D	5E-05 U	5E-05 U	0.000639	0.00117
MW-69	4/18/2017	W69-170418-	0.0001 U	0.0001 U	15.3	15.3	0.238	0.246 D	5E-05 U	5E-05 U	0.000158	0.000289
MW-72	5/4/2017	W72-170504-	0.0001 U	0.000114	16.6	18.7	0.212	0.0897	5E-05 U	5E-05 U	0.00064	0.000291
MW-73	4/21/2017	W73-170421-	0.0001 U	0.00237	6.37	7	0.000103	0.0475 D	5E-05 U	5E-05 U	0.000352	0.00189
MW-74	4/7/2017	W74R170407-	0.0001 U	0.0001 U	35.8	38.2	0.0001 U	0.000307	5E-05 U	5E-05 U	0.000923	0.00121
MW-75	4/7/2017	W75-170407-	0.0001 U	0.0001 U	20.9	21.8	0.163	0.161	5E-05 U	5E-05 U	0.0001 U	0.000205
MW-75 Duplicate	4/7/2017	W75-170407D	0.0001 U	0.0001 U	20.9	21.6	0.163	0.159	5E-05 U	5E-05 U	0.0001 U	0.000259
MW-76	4/14/2017	W76-170414-	0.0001 U	0.0001 U	9.52	9.6	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.000334	0.000425
MW-80	4/7/2017	W80-170407-	0.0001 U	0.0001 U	16	16.4	0.337	0.344	5E-05 U	5E-05 U	0.000166	0.000311
MW-81	4/17/2017	W81-170417-	0.0001 U	0.0001 U	6.82	6.81	0.0001 U	0.00273	5E-05 U	5E-05 U	0.0001 U	0.000263
MW-82	4/17/2017	W82-170417-	0.0001 U	0.0001 U	18	18.2	0.000138	0.000796 D	5E-05 U	5E-05 U	0.000526	0.00293
MW-83	4/21/2017	W83-170421-	0.0001 U	0.0001 U	22.1	22	0.0101	0.0102 D	5E-05 U	5E-05 U	0.00109	0.00119
MW-84	4/18/2017	W84-170418-	0.0001 U	0.0001 U	9.61	9.6	0.000687	0.000703 D	5E-05 U	5E-05 U	0.000247	0.000274
MW-85	4/28/2017	W85-170428-	0.0001 U	0.0001 U	18.4	19	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.000413	0.000186 D
MW-86	4/14/2017	W86-170414-	0.0001 U	0.0001 U	10.1	10.5	0.0179	0.0187	5E-05 U	5E-05 U	0.000116	0.000259
MW-87	4/21/2017	W87-170421-	0.0001 U	0.000164	31.1	30.2	0.563	0.603 D	5E-05 U	5E-05 U	0.000107	0.000247
MW-88	4/25/2017	W88-170425-	0.0001 U	0.0001 U	6.97	6.87	0.000195	0.000226	5E-05 U	5E-05 U	0.000103	0.000113 D
MW-89	4/25/2017	W89-170425-	0.0001 U	0.000271	10	10.2	0.228	0.443	5E-05 U	5E-05 U	0.0001 U	0.000146 D
MW-93	4/28/2017	W93-170428-	0.0001 U	0.0001 U	16.7	16.9	0.183	0.222	5E-05 U	5E-05 U	0.00021	0.000231 D
MW-94	4/14/2017	W94-170414-	0.0001 U	0.0001 U	14.2	14.5	0.000237	0.000316	5E-05 U	5E-05 U	0.00162	0.00183
MW-95	4/5/2017	W95-170405-	0.0001 U	0.0001 U	9.78	11.5	0.14	0.165	5E-05 U	5E-05 U	0.000167	0.000615
MW-100	4/7/2017	W100170407-	0.0001 U	0.000165	13.7	15.5	0.146	0.195	5E-05 U	5E-05 U	0.000493	0.00123
MW-101	4/11/2017	W101170411-	0.0001 U	0.0001 U	36.2	36.8	1.19	1.2 D	5E-05 U	5E-05 U	0.00397	0.00423
FIELD BLANK	4/10/2017	W47-170410F	0.0001 U	0.0001 U	0.05 U	0.05 U	0.0001 U	0.00023	5E-05 U	5E-05 U	0.0001 U	0.000103
FIELD BLANK	4/28/2017	W93-170428F	0.0001 U	0.0001 U	0.05 U	0.05 U	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 DU

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)
MW-21	4/14/2017	W21-170414-	1	1	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.59	5.64	0.0001 U	0.0001 U
MW-21 Duplicate	4/14/2017	W21-170414D	1	1.01	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.59	5.61	0.0001 U	0.0001 U
MW-24	4/17/2017	W24-170417-	0.964	0.966	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.71	5.93	0.0001 U	0.0001 U
MW-30A	4/10/2017	W30A170410-	1.43	1.57	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.6	16.9	0.0001 U	0.0001 U
MW-47	4/10/2017	W47-170410-	4.16	4.78	0.0005 U	0.0005 U	4E-05 U	4E-05 U	19.6	21.4	0.0001 U	0.0001 U
MW-56	4/14/2017	W56-170414-	1.15	1.16	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.6	5.66	0.0001 U	0.0001 U
MW-59	4/5/2017	W59-170405-	0.977	1.11	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.48	6.2	0.0001 U	0.0001 U
MW-62	4/10/2017	W62-170410-	0.974	1.09	0.0005 U	0.0005 U	4E-05 U	4E-05 U	14	14.5	0.0001 U	0.0001 U
MW-64	4/27/2017	W64-170427-	1.63	1.63	0.0005 U	0.0005 U	4E-05 DU	4E-05 U	7.57	7.5	0.0001 U	0.0001 U
MW-65	4/21/2017	W65-170421-	0.923	0.926	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.38	5.37	0.0001 U	0.0001 U
MW-66	4/18/2017	W66-170418-	1.18	1.18	0.000841	0.00104	4E-05 U	4E-05 U	7.82	7.95	0.0001 U	0.0001 U
MW-67	6/15/2017	W67-170615-	1.69	1.68	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.86	9.55	0.0001 U	0.0001 U
MW-68	4/19/2017	W68-170419-	1.66	1.69	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.85	9.05	0.0001 U	0.0001 U
MW-69	4/18/2017	W69-170418-	1.68	1.71	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.41	8.5	0.0001 U	0.0001 U
MW-72	5/4/2017	W72-170504-	1.53	1.89	0.0005 U	0.0005 U	4E-05 DU	4E-05 U	7.21	8.14	0.0001 U	0.0001 U
MW-73	4/21/2017	W73-170421-	0.791	1.16	0.0005 U	0.0016	4E-05 U	4E-05 U	5.81	6	0.0001 U	0.0001 U
MW-74	4/7/2017	W74R170407-	1.94	2.16	0.000996	0.000742	4E-05 U	4E-05 U	12.3	13.1	0.0001 U	0.0001 U
MW-75	4/7/2017	W75-170407-	1.78	1.87	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.78	9.15	0.0001 U	0.0001 U
MW-75 Duplicate	4/7/2017	W75-170407D	1.78	1.86	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.82	9.14	0.0001 U	0.0001 U
MW-76	4/14/2017	W76-170414-	1.36	1.37	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.36	9.4	0.0001 U	0.0001 U
MW-80	4/7/2017	W80-170407-	1.68	1.68	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.91	8.11	0.0001 U	0.0001 U
MW-81	4/17/2017	W81-170417-	0.803	0.781	0.000912	0.000891	4E-05 U	4E-05 U	6.18	6.16	0.0001 U	0.0001 U
MW-82	4/17/2017	W82-170417-	1.89	1.91	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.28	8.5	0.0001 U	0.0001 U
MW-83	4/21/2017	W83-170421-	2.81	2.79	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.4	10.4	0.0001 U	0.0001 U
MW-84	4/18/2017	W84-170418-	1.03	1.02	0.000535	0.00056	4E-05 U	4E-05 U	6.31	6.37	0.0001 U	0.0001 U
MW-85	4/28/2017	W85-170428-	1.54	1.58	0.00117	0.00104	4E-05 DU	4E-05 U	8.94	9.25	0.0001 U	0.0001 U
MW-86	4/14/2017	W86-170414-	1.23	1.25	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.69	6.87	0.0001 U	0.0001 U
MW-87	4/21/2017	W87-170421-	2.27	2.24	0.0005 U	0.00052	4E-05 U	4E-05 U	10.7	10.5	0.0001 U	0.0001 U
MW-88	4/25/2017	W88-170425-	0.852	0.821	0.00056	0.000576	4E-05 U	4E-05 U	5.83	5.7	0.0001 U	0.0001 U
MW-89	4/25/2017	W89-170425-	1.39	1.45	0.0005 U	0.0005 U	4E-05 DU	4E-05 U	9.21	9.28	0.0001 U	0.0001 U
MW-93	4/28/2017	W93-170428-	1.48	1.53	0.0005 U	0.0005 U	4E-05 DU	4E-05 U	9.21	9.38	0.0001 U	0.0001 U
MW-94	4/14/2017	W94-170414-	2.34	2.42	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.6	12.8	0.0001 U	0.0001 U
MW-95	4/5/2017	W95-170405-	1.01	1.21	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.38	6.23	0.0001 U	0.0001 U
MW-100	4/7/2017	W100170407-	1.42	1.69	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.08	8.99	0.0001 U	0.0001 U
MW-101	4/11/2017	W101170411-	3.13	3.18	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.6	16.7	0.0001 U	0.0001 U
FIELD BLANK	4/10/2017	W47-170410F	0.1 U	0.5 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U	0.1 U	0.1 U	0.0001 U	0.0001 U
FIELD BLANK	4/28/2017	W93-170428F	0.1 U	0.5 U	0.0005 U	0.0005 U	4E-05 DU	4E-05 U	0.1 U	0.1 U	0.0001 U	0.0001 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Thallium, total (mg/L)	Tin, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-21	4/14/2017	W21-170414-			7.5E-05 U	0.000375 U	0.00127	0.00122
MW-21 Duplicate	4/14/2017	W21-170414D			7.5E-05 U	0.000375 U	0.0023	0.000634
MW-24	4/17/2017	W24-170417-			7.5E-05 U	0.000375 U	0.000624	0.0005 U
MW-30A	4/10/2017	W30A170410-			0.00204	0.00236	0.00126	0.000778
MW-47	4/10/2017	W47-170410-			0.000123	0.000375 U	0.000768	0.00107
MW-56	4/14/2017	W56-170414-			0.000142	0.000375 U	0.00181	0.00215
MW-59	4/5/2017	W59-170405-			7.5E-05 U	0.000375 U	0.00177	0.00392
MW-62	4/10/2017	W62-170410-			0.00131	0.00143	0.0005 U	0.000722
MW-64	4/27/2017	W64-170427-			9.78E-05	0.000375 U	0.0005 U	0.000657
MW-65	4/21/2017	W65-170421-			7.5E-05 U	0.000375 U	0.000886	0.00249
MW-66	4/18/2017	W66-170418-			0.000607	0.00067	0.000804	0.00195
MW-67	6/15/2017	W67-170615-			0.000203	0.000535	0.000665	0.000885
MW-68	4/19/2017	W68-170419-			0.000166	0.00182	0.0005 U	0.00179
MW-69	4/18/2017	W69-170418-			7.57E-05	0.000375 U	0.0005 U	0.00076
MW-72	5/4/2017	W72-170504-			7.5E-05 U	0.000375 U	0.00215	0.00232
MW-73	4/21/2017	W73-170421-			0.00113	0.00315	0.000522	0.0066
MW-74	4/7/2017	W74R170407-			0.000562	0.000608	0.000753	0.00152
MW-75	4/7/2017	W75-170407-			7.5E-05 U	0.000375 U	0.0005 U	0.00137
MW-75 Duplicate	4/7/2017	W75-170407D			7.5E-05 U	0.000375 U	0.000673	0.00158
MW-76	4/14/2017	W76-170414-			0.000585	0.000581	0.000526	0.000874
MW-80	4/7/2017	W80-170407-			7.5E-05 U	0.000375 U	0.000828	0.00244
MW-81	4/17/2017	W81-170417-			0.00165	0.00182	0.00056	0.00146
MW-82	4/17/2017	W82-170417-			0.00125	0.00134	0.00116	0.0013
MW-83	4/21/2017	W83-170421-			0.000771	0.00078	0.000655	0.000933
MW-84	4/18/2017	W84-170418-			0.000458	0.000476	0.0005 U	0.0005 U
MW-85	4/28/2017	W85-170428-			0.000863	0.000888	0.0013	0.0005 U
MW-86	4/14/2017	W86-170414-			7.5E-05 U	0.000375 U	0.000822	0.00119
MW-87	4/21/2017	W87-170421-			7.5E-05 U	0.00241	0.000551	0.0012
MW-88	4/25/2017	W88-170425-			0.00263	0.00265	0.000506	0.000575
MW-89	4/25/2017	W89-170425-			7.5E-05 U	0.00135	0.000871	0.0131
MW-93	4/28/2017	W93-170428-			0.00201	0.00213	0.000971	0.00133
MW-94	4/14/2017	W94-170414-			0.000851	0.000869	0.000648	0.00106
MW-95	4/5/2017	W95-170405-			0.000251	0.000375 U	0.0005 U	0.0027
MW-100	4/7/2017	W100170407-			7.5E-05 U	0.000375 U	0.000598	0.00297
MW-101	4/11/2017	W101170411-	0.0005 U	0.0005 U	0.00126	0.00111	0.0014	0.000799
FIELD BLANK	4/10/2017	W47-170410F			7.5E-05 U	0.000375 U	0.0005 U	0.000527
FIELD BLANK	4/28/2017	W93-170428F			7.5E-05 U	0.000375 U	0.0005 U	0.000795

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2- Tetrachloroet hane	1,1,1- Trichloroeth ane	1,1,2,2- Tetrachloroet hane	1,1,2- Trichloroet hane	1,1- Dichloroethan e	1,1- Dichloroeth ene	1,2,3- Trichloropro pane	1,2-Dibromo-3- Chloropropane	1,2- Dibromoeth ane	1,2- Dichlorobenze ne	1,2- Dichloroethan e
			630-20-6 (ug/L)	71-55-6 (ug/L)	79-34-5 (ug/L)	79-00-5 (ug/L)	75-34-3 (ug/L)	75-35-4 (ug/L)	96-18-4 (ug/L)	96-12-8 (ug/L)	106-93-4 (ug/L)	95-50-1 (ug/L)	107-06-2 (ug/L)
EW-25	4/25/2017	EW25170425-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-21	4/14/2017	W21-170414-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-24	4/17/2017	W24-170417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-30A	4/10/2017	W30A170410-	0.25 U	0.1 U	0.1 U	0.1 U	1.93	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-47	4/10/2017	W47-170410-	0.25 U	0.1 U	0.1 U	0.1 U	0.695	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.16 JT
MW-56	4/14/2017	W56-170414-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-59	4/5/2017	W59-170405-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-62	4/10/2017	W62-170410-	0.25 U	0.1 U	0.1 U	0.1 U	1.62	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-64	4/27/2017	W64-170427-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-65	4/21/2017	W65-170421-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-66	4/18/2017	W66-170418-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-67	6/15/2017	W67-170615-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-68	4/19/2017	W68-170419-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-69	4/18/2017	W69-170418-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-72	5/4/2017	W72-170504-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-73	4/21/2017	W73-170421-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-74	4/7/2017	W74R170407-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-75	4/7/2017	W75-170407-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-76	4/14/2017	W76-170414-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-80	4/7/2017	W80-170407-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-81	4/17/2017	W81-170417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-82	4/17/2017	W82-170417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-83	4/21/2017	W83-170421-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-84	4/18/2017	W84-170418-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-85	4/28/2017	W85-170428-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-86	4/14/2017	W86-170414-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-87	4/21/2017	W87-170421-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-88	4/25/2017	W88-170425-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-89	4/25/2017	W89-170425-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-93	4/28/2017	W93-170428-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-94	4/14/2017	W94-170414-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-95	4/5/2017	W95-170405-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-100	4/7/2017	W100170407-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-101	4/11/2017	W101170411-	0.25 U	0.1 U	0.1 U	0.1 U	0.14 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
FIELD BLANK	4/10/2017	W47-170410F	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane
			630-20-6 (ug/L)	71-55-6 (ug/L)	79-34-5 (ug/L)	79-00-5 (ug/L)	75-34-3 (ug/L)	75-35-4 (ug/L)	96-18-4 (ug/L)	96-12-8 (ug/L)	106-93-4 (ug/L)	95-50-1 (ug/L)	107-06-2 (ug/L)
FIELD BLANK	4/28/2017	W93-170428F	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170405Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170407X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/5/2017	VTRP170407Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/7/2017	VTRP170410Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/10/2017	VTRP170411X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170414X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170417Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/13/2017	VTRP170414Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/14/2017	VTRP170417X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170419Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170421Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/19/2017	VTRP170421X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170427Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170428X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/27/2017	VTRP170428Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2017	VTRP170504X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170615X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane
			78-87-5 (ug/L)	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)
EW-25	4/25/2017	EW25170425-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	105	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-21	4/14/2017	W21-170414-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-24	4/17/2017	W24-170417-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-30A	4/10/2017	W30A170410-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-47	4/10/2017	W47-170410-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-56	4/14/2017	W56-170414-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-59	4/5/2017	W59-170405-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-62	4/10/2017	W62-170410-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-64	4/27/2017	W64-170427-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-65	4/21/2017	W65-170421-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-66	4/18/2017	W66-170418-	0.1 U	0.1 U	0.25 GU	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-67	6/15/2017	W67-170615-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-68	4/19/2017	W68-170419-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-69	4/18/2017	W69-170418-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-72	5/4/2017	W72-170504-	0.1 U	0.1 U	0.25 GU	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-73	4/21/2017	W73-170421-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-74	4/7/2017	W74R170407-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-75	4/7/2017	W75-170407-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-76	4/14/2017	W76-170414-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-80	4/7/2017	W80-170407-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-81	4/17/2017	W81-170417-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-82	4/17/2017	W82-170417-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-83	4/21/2017	W83-170421-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-84	4/18/2017	W84-170418-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-85	4/28/2017	W85-170428-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-86	4/14/2017	W86-170414-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-87	4/21/2017	W87-170421-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-88	4/25/2017	W88-170425-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-89	4/25/2017	W89-170425-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-93	4/28/2017	W93-170428-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-94	4/14/2017	W94-170414-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-95	4/5/2017	W95-170405-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-100	4/7/2017	W100170407-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-101	4/11/2017	W101170411-	0.1 U	0.1 U	0.25 GU	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
FIELD BLANK	4/10/2017	W47-170410F	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	3.5 JT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane
			78-87-5 (ug/L)	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)
FIELD BLANK	4/28/2017	W93-170428F	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	3.1 JT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170405Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170407X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/5/2017	VTRP170407Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/7/2017	VTRP170410Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/10/2017	VTRP170411X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170414X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170417Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/13/2017	VTRP170414Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/14/2017	VTRP170417X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170419Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170421Y	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/19/2017	VTRP170421X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170427Z	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170428X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z2	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	4/27/2017	VTRP170428Z	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	5/2/2017	VTRP170504X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170615X	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U

Environmental Monitoring Data

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Site	Date	Sample ID	Carbon Disulfide	Carbon Tetrachloride	Chlorobenze ne	Chlorodibrom omethane	Chloroetha ne	Chloroform	Chlorometha ne	Cis-1,2- Dichloroethen e	Cis-1,3- Dichloropropene	Dibromometha ne	Dichlorodifluo romethane
			75-15-0 (ug/L)	56-23-5 (ug/L)	108-90-7 (ug/L)	124-48-1 (ug/L)	75-00-3 (ug/L)	67-66-3 (ug/L)	74-87-3 (ug/L)	156-59-2 (ug/L)	10061-01-5 (ug/L)	74-95-3 (ug/L)	75-71-8 (ug/L)
EW-25	4/25/2017	EW25170425-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.229	0.25 U	0.1 U	0.1 U
MW-21	4/14/2017	W21-170414-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-24	4/17/2017	W24-170417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-30A	4/10/2017	W30A170410-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	2.21	0.25 U	0.1 U	0.1 U
MW-47	4/10/2017	W47-170410-	0.1 U	0.25 U	0.1 U	0.5 U	0.22	0.1 U	0.25 U	2.96	0.25 U	0.1 U	6.31
MW-56	4/14/2017	W56-170414-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.38	0.25 U	0.1 U	0.1 U
MW-59	4/5/2017	W59-170405-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.14	0.25 U	0.1 U	0.1 U
MW-62	4/10/2017	W62-170410-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	4.65	0.25 U	0.1 U	0.1 U
MW-64	4/27/2017	W64-170427-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-65	4/21/2017	W65-170421-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-66	4/18/2017	W66-170418-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-67	6/15/2017	W67-170615-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-68	4/19/2017	W68-170419-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-69	4/18/2017	W69-170418-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-72	5/4/2017	W72-170504-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-73	4/21/2017	W73-170421-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-74	4/7/2017	W74R170407-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-75	4/7/2017	W75-170407-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-76	4/14/2017	W76-170414-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.548	0.25 U	0.1 U	0.1 U
MW-80	4/7/2017	W80-170407-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-81	4/17/2017	W81-170417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-82	4/17/2017	W82-170417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-83	4/21/2017	W83-170421-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-84	4/18/2017	W84-170418-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-85	4/28/2017	W85-170428-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-86	4/14/2017	W86-170414-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-87	4/21/2017	W87-170421-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-88	4/25/2017	W88-170425-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-89	4/25/2017	W89-170425-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-93	4/28/2017	W93-170428-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-94	4/14/2017	W94-170414-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-95	4/5/2017	W95-170405-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-100	4/7/2017	W100170407-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-101	4/11/2017	W101170411-	0.1 U	0.25 U	0.1 U	0.5 U	0.15 JT	0.1 U	0.25 U	0.19 JT	0.25 U	0.1 U	0.1 U
FIELD BLANK	4/10/2017	W47-170410F	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Carbon Disulfide	Carbon Tetrachloride	Chlorobenze ne	Chlorodibrom omethane	Chloroetha ne	Chloroform	Chlorometha ne	Cis-1,2- Dichloroethen e	Cis-1,3- Dichloropropene	Dibromometha ne	Dichlorodifluo romethane
			75-15-0 (ug/L)	56-23-5 (ug/L)	108-90-7 (ug/L)	124-48-1 (ug/L)	75-00-3 (ug/L)	67-66-3 (ug/L)	74-87-3 (ug/L)	156-59-2 (ug/L)	10061-01-5 (ug/L)	74-95-3 (ug/L)	75-71-8 (ug/L)
FIELD BLANK	4/28/2017	W93-170428F	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.249	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170405Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170407X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/5/2017	VTRP170407Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/7/2017	VTRP170410Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/10/2017	VTRP170411X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170414X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170417Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/13/2017	VTRP170414Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/14/2017	VTRP170417X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170419Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170421Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/19/2017	VTRP170421X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170427Z	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170428X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z2	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	4/27/2017	VTRP170428Z	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2017	VTRP170504X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170615X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropane	Trans-1,4-Dichloro-2-Butene	Trichloroethene
			100-41-4 (ug/L)		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)
EW-25	4/25/2017	EW25170425-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.13 JT	0.1 U	0.1 U	0.5 U	0.5 U	0.309
MW-21	4/14/2017	W21-170414-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-24	4/17/2017	W24-170417-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-30A	4/10/2017	W30A170410-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.12 JT	0.1 U	0.1 U	0.5 U	0.5 U	0.99
MW-47	4/10/2017	W47-170410-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-56	4/14/2017	W56-170414-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-59	4/5/2017	W59-170405-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-62	4/10/2017	W62-170410-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.12 JT
MW-64	4/27/2017	W64-170427-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-65	4/21/2017	W65-170421-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-66	4/18/2017	W66-170418-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-67	6/15/2017	W67-170615-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-68	4/19/2017	W68-170419-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-69	4/18/2017	W69-170418-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-72	5/4/2017	W72-170504-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-73	4/21/2017	W73-170421-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-74	4/7/2017	W74R170407-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-75	4/7/2017	W75-170407-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-76	4/14/2017	W76-170414-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.379	0.1 U	0.1 U	0.5 U	0.5 U	8.21
MW-80	4/7/2017	W80-170407-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-81	4/17/2017	W81-170417-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-82	4/17/2017	W82-170417-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	4.43
MW-83	4/21/2017	W83-170421-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	1.91
MW-84	4/18/2017	W84-170418-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-85	4/28/2017	W85-170428-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-86	4/14/2017	W86-170414-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-87	4/21/2017	W87-170421-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-88	4/25/2017	W88-170425-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-89	4/25/2017	W89-170425-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-93	4/28/2017	W93-170428-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-94	4/14/2017	W94-170414-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.868
MW-95	4/5/2017	W95-170405-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-100	4/7/2017	W100170407-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
MW-101	4/11/2017	W101170411-	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
FIELD BLANK	4/10/2017	W47-170410F	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.249	0.1 U	0.5 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene
			100-41-4 (ug/L)		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)
FIELD BLANK	4/28/2017	W93-170428F	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.13 JT	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170405Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/3/2017	VTRP170407X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/5/2017	VTRP170407Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/7/2017	VTRP170410Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/10/2017	VTRP170411X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170414X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170417Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/13/2017	VTRP170414Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/14/2017	VTRP170417X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/17/2017	VTRP170418Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170419Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/18/2017	VTRP170421Y	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/19/2017	VTRP170421X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170427Z	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/21/2017	VTRP170428X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z2	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	4/27/2017	VTRP170428Z	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	5/2/2017	VTRP170504X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170615X	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Trichlorofluo romethane	Vinyl Acetate	Vinyl Chloride
			75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
EW-25	4/25/2017	EW25170425-	0.1 U	0.1 U	0.01 U
MW-21	4/14/2017	W21-170414-	0.1 U	0.1 U	0.01 U
MW-21 Duplicate	4/14/2017	W21-170414D	0.1 U	0.1 U	0.01 U
MW-24	4/17/2017	W24-170417-	0.1 U	0.1 U	0.01 U
MW-30A	4/10/2017	W30A170410-	0.1 U	0.1 U	0.01 U
MW-47	4/10/2017	W47-170410-	0.1 U	0.1 U	5.17
MW-56	4/14/2017	W56-170414-	0.1 U	0.1 U	0.01 U
MW-59	4/5/2017	W59-170405-	0.1 U	0.1 U	0.01 U
MW-62	4/10/2017	W62-170410-	0.1 U	0.1 U	0.01 U
MW-64	4/27/2017	W64-170427-	0.1 U	0.1 U	0.01 U
MW-65	4/21/2017	W65-170421-	0.1 U	0.1 U	0.0297
MW-66	4/18/2017	W66-170418-	0.1 U	0.1 U	0.01 U
MW-67	6/15/2017	W67-170615-	0.1 U	0.1 U	0.01 U
MW-68	4/19/2017	W68-170419-	0.1 U	0.1 U	0.01 U
MW-69	4/18/2017	W69-170418-	0.1 U	0.1 U	0.01 U
MW-72	5/4/2017	W72-170504-	0.1 U	0.1 U	0.01 U
MW-73	4/21/2017	W73-170421-	0.1 U	0.1 U	0.01 U
MW-74	4/7/2017	W74R170407-	0.1 U	0.1 U	0.01 U
MW-75	4/7/2017	W75-170407-	0.1 U	0.1 U	0.01 U
MW-75 Duplicate	4/7/2017	W75-170407D	0.1 U	0.1 U	0.01 U
MW-76	4/14/2017	W76-170414-	0.1 U	0.1 U	0.01 U
MW-80	4/7/2017	W80-170407-	0.1 U	0.1 U	0.01 U
MW-81	4/17/2017	W81-170417-	0.1 U	0.1 U	0.01 U
MW-82	4/17/2017	W82-170417-	0.1 U	0.1 U	0.01 U
MW-83	4/21/2017	W83-170421-	0.1 U	0.1 U	0.01 U
MW-84	4/18/2017	W84-170418-	0.1 U	0.1 U	0.01 U
MW-85	4/28/2017	W85-170428-	0.1 U	0.1 U	0.01 U
MW-86	4/14/2017	W86-170414-	0.1 U	0.1 U	0.01 U
MW-87	4/21/2017	W87-170421-	0.1 U	0.1 U	0.01 U
MW-88	4/25/2017	W88-170425-	0.1 U	0.1 U	0.01 U
MW-89	4/25/2017	W89-170425-	0.1 U	0.1 U	0.01 U
MW-93	4/28/2017	W93-170428-	0.1 U	0.1 U	0.01 U
MW-94	4/14/2017	W94-170414-	0.1 U	0.1 U	0.01 U
MW-95	4/5/2017	W95-170405-	0.1 U	0.1 U	0.01 U
MW-100	4/7/2017	W100170407-	0.1 U	0.1 U	0.01 U
MW-101	4/11/2017	W101170411-	0.1 U	0.1 U	0.259
FIELD BLANK	4/10/2017	W47-170410F	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Trichlorofluo romethane	Vinyl Acetate	Vinyl Chloride
			75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
FIELD BLANK	4/28/2017	W93-170428F	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/3/2017	VTRP170405Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/3/2017	VTRP170407X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/5/2017	VTRP170407Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/7/2017	VTRP170410Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/10/2017	VTRP170411X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2017	VTRP170414X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2017	VTRP170417Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/13/2017	VTRP170414Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/14/2017	VTRP170417X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/17/2017	VTRP170418X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/17/2017	VTRP170418Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/18/2017	VTRP170419Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/18/2017	VTRP170421Y	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/19/2017	VTRP170421X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/21/2017	VTRP170427Z	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/21/2017	VTRP170428X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/24/2017	VTRP170425Z2	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/27/2017	VTRP170428Z	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/2/2017	VTRP170504X	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/12/2017	VTRP170615X	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1-Dichloro- Propene 563-58-6 (ug/L)	1,2,4,5- Tetrachloro- Benzene 95-94-3 (ug/L)	1,2,4-Trichloro- Benzene 120-82-1 (ug/L)	1,2-Diphenyl- Hydrazine 122-66-7 (ug/L)	1,3,5-Trinitro- Benzene 99-35-4 (ug/L)	1,3-Dichloro- Benzene 541-73-1 (ug/L)	1,3-Dichloro- Propane 142-28-9 (ug/L)	1,4-Naphtho- Quinone 130-15-4 (ug/L)	1-Naphthyl- Amine 134-32-7 (ug/L)	2,2-Dichloro- Propane 594-20-7 (ug/L)
MW-101	10/26/2016	W101161026-	0.1 U	1 U	0.5 U	0.2 U	0.5 U	0.1 U	0.1 U	1 U	5 U	0.25 U
VOA TRIP BLANK	10/19/2016	VTRP161026X	0.1 U					0.1 U	0.1 U			0.25 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	2,2-Oxybis (1-Chloro-Propane) 108-60-1 (ug/L)	2,4,5-T 93-76-5 (ug/L)	2,4,5-Tp Silvex 93-72-1 (ug/L)	2,4,5-Trichloro-Phenol 95-95-4 (ug/L)	2,4,6-Trichloro-Phenol 88-06-2 (ug/L)	2,4-D 94-75-7 (ug/L)	2,4-Dichloro-Phenol 120-83-2 (ug/L)	2,4-Dimethyl-Phenol 105-67-9 (ug/L)	2,4-Dinitro-Phenol 51-28-5 (ug/L)	2,4-Dinitro-Toluene 121-14-2 (ug/L)	2,6-Dichloro-Phenol 87-65-0 (ug/L)	2,6-Dinitro-Toluene 606-20-2 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	0.0263 U	0.0263 U	1 U	1 U	0.0526 U	0.5 U	2 U	10 U	1 U	0.5 U	1 U
VOA TRIP BLANK	10/19/2016	VTRP161026X												

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	2-Acetylamino- Fluorene 53-96-3 (ug/L)	2-Chloro- Naphthalene 91-58-7 (ug/L)	2- Chlorophen ol 95-57-8 (ug/L)	2-Methyl-1- Propanol 78-83-1 (ug/L)	2-Methyl- Naphthalene 91-57-6 (ug/L)	2- Methylphen ol 95-48-7 (ug/L)	2- Naphthylamin e 91-59-8 (ug/L)	2- Nitroaniline 88-74-4 (ug/L)	2-Nitrophenol 88-75-5 (ug/L)	2,3,7,8-Tcdd 1746-01-6 (pg/L)	3,3-Dichloro- Benzidine 91-94-1 (ug/L)
MW-101	10/26/2016	W101161026-	1 U	0.5 U	0.5 U	5 GU	0.025 U	0.5 U	5 U	1 U	0.2 U	0.531 UJ	0.2 U
VOA TRIP BLANK	10/19/2016	VTRP161026X				5 U							

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	3,3'-Dimethyl- Benzidine	3,4- Methylphenol Mixture	3-Chloro- Propene	3-Methylchlor- Anthrene	3- Nitroanilin e	4,4'Ddd	4,4'Dde	4,4'Ddt	4,6-Dinitro-2- Methylphenol	4-Amino- Biphenyl	4-Bromophenyl Phenyl Ether
			119-93-7 (ug/L)	15831-10-4 (ug/L)	107-05-1 (ug/L)	56-49-5 (ug/L)	99-09-2 (ug/L)	72-54-8 (ug/L)	72-55-9 (ug/L)	50-29-3 (ug/L)	534-52-1 (ug/L)	92-67-1 (ug/L)	101-55-3 (ug/L)
MW-101	10/26/2016	W101161026-	5 U	0.5 U	0.1 U	0.5 U	1 U	0.00495 U	0.00495 U	0.00495 U	1 U	2 U	0.5 U
VOA TRIP BLANK	10/19/2016	VTRP161026X			0.1 U								

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	4-Chloro-3-Methylphenol	4-Chlorophenyl Phenyl Ether	4-Dimethylaminoazobenzene	4-Nitroaniline	4-Nitrophenol	5-Nitro-O-Toluidine	7,12-Dimethylbenz-(A)Anthracene	Acenaphthylene	Acenaphthalene
			59-50-7 (ug/L)	7005-72-3 (ug/L)	60-11-7 (ug/L)	100-01-6 (ug/L)	100-02-7 (ug/L)	99-55-8 (ug/L)	57-97-6 (ug/L)	208-96-8 (ug/L)	83-32-9 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	0.5 U	1 U	5 U	5 U	2 U	0.5 U	0.025 U	0.025 U
VOA TRIP BLANK	10/19/2016	VTRP161026X									

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Acetonitrile	Acetophenone	Acrolein	Aldrin	Alpha Bhc	Alpha Chlordane	Alpha- Terpineol	Aniline	Anthracene	Aroclor 1016	Aroclor 1221	Aroclor 1232
			75-05-8 (ug/L)	98-86-2 (ug/L)	107-02-8 (ug/L)	309-00-2 (ug/L)	319-84-6 (ug/L)	5103-71-9 (ug/L)	98-55-5 (ug/L)	62-53-3 (ug/L)	120-12-7 (ug/L)	12674-11-2 (ug/L)	11104-28-2 (ug/L)	11141-16-5 (ug/L)
MW-101	10/26/2016	W101161026-	2.5 U	0.5 U	2.5 U	0.00495 U	0.00495 U	0.00495 U	0.5 U	1 U	0.05 U	0.00625 U	0.00625 U	0.00625 U
VOA TRIP BLANK	10/19/2016	VTRP161026X	2.5 U		2.5 U									

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Benzo(A)- Anthracene	Benzo(A)Pyrene	Benzo(B,J,K)- Fluoranthrene	Benzo(G,H,I)- Perylene	Benzoic Acid	Benzyl Alcohol
			53469-21-9 (ug/L)	12672-29-6 (ug/L)	11097-69-1 (ug/L)	11096-82-5 (ug/L)	56-55-3 (ug/L)	50-32-8 (ug/L)	BJK (ug/L)	191-24-2 (ug/L)	65-85-0 (ug/L)	100-51-6 (ug/L)
MW-101	10/26/2016	W101161026-	0.00625 U	0.00625 U	0.00625 U	0.00625 U	0.05 U	0.05 U	0.05 U	0.05 U	10 U	5 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Beta Bhc 319-85-7 (ug/L)	Bis-(2- Chloroethoxy)- Methane 111-91-1 (ug/L)	Bis(2- Chloroethyl)- Ether 111-44-4 (ug/L)	Bis(2- Ethylhexyl)- Phthalate 117-81-7 (ug/L)	Butyl-Benzyl- Phthalate 85-68-7 (ug/L)	Chlordecone (Kepone) 143-50-0 (ug/L)	Chlorobenzilate 510-15-6 (ug/L)	Chlorophenols 58-90-2 (ug/L)	Chloroprene 126-99-8 (ug/L)	Chrysene 218-01-9 (ug/L)
MW-101	10/26/2016	W101161026-	0.00495 U	0.5 U	0.5 U	0.99 U	0.99 U	5 U	0.5 U	1 U	0.1 U	0.05 U
VOA TRIP BLANK	10/19/2016	VTRP161026X									0.1 U	

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Cis-Diallate	Cygon	Delta Bhc	Diallate	Dibenzo(A,H)-Anthracene	Dibenzofuran	Dieldrin	Diethyl-Phthalate	Dimethyl-Phthalate	Di-N-Butylphthalate
			17708-57-5 (ug/L)	60-51-5 (ug/L)	319-86-8 (ug/L)	2303-16-4 (ug/L)	53-70-3 (ug/L)	132-64-9 (ug/L)	60-57-1 (ug/L)	84-66-2 (ug/L)	131-11-3 (ug/L)	84-74-2 (ug/L)
MW-101	10/26/2016	W101161026-	0.04 U	0.04 U	0.00495 U	0.04 U	0.05 U	0.5 U	0.00495 U	0.99 U	0.99 U	0.99 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Di-N-Octyl Phthalate	Dinoseb	Diphenylamin e	Disulfoton	Endosulfan I	Endosulfan Ii	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Ethyl Methacrylate
			117-84-0 (ug/L)	88-85-7 (ug/L)	122-39-4 (ug/L)	298-04-4 (ug/L)	959-98-8 (ug/L)	33213-65-9 (ug/L)	1031-07-8 (ug/L)	72-20-8 (ug/L)	7421-93-4 (ug/L)	97-63-2 (ug/L)
MW-101	10/26/2016	W101161026-	0.99 U	0.0263 U	0.5 U	0.04 U	0.00495 U	0.00495 U	0.00495 U	0.00495 U	0.00495 U	0.1 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Ethyl Methane- Sulfonate	Famphur	Fluoranthene	Fluorene	Heptachlor	Heptachlor Epoxide	Hexachloro- Benzene	Hexachloro- Butadiene	Hexachloro- Cyclo- Pentadiene	Hexachloro- Ethane
			62-50-0 (ug/L)	52-85-7 (ug/L)	206-44-0 (ug/L)	86-73-7 (ug/L)	76-44-8 (ug/L)	1024-57-3 (ug/L)	118-74-1 (ug/L)	87-68-3 (ug/L)	77-47-4 (ug/L)	67-72-1 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	0.04 U	0.05 U	0.05 U	0.00495 U	0.00495 U	0.2 U	2 U	5 U	5 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										

Environmental Monitoring Data

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 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Hexachloro- Propene	Indeno(1,2,3- C,D)-Pyrene	Isodrin	Isophorone	Isosafrole	Lindane (Gamma Bhc)	M- Dinitrobenzene	Methapyrilen e	Methoxychlor	Methyl Methacrylate
			1888-71-7 (ug/L)	193-39-5 (ug/L)	465-73-6 (ug/L)	78-59-1 (ug/L)	120-58-1 (ug/L)	58-89-9 (ug/L)	99-65-0 (ug/L)	91-80-5 (ug/L)	72-43-5 (ug/L)	80-62-6 (ug/L)
MW-101	10/26/2016	W101161026-	2 U	0.05 U	0.00495 U	0.5 U	0.5 U	0.00495 U	1 U	50 GU	0.0248 U	0.25 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										0.25 U

Environmental Monitoring Data

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 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Methane- Sulfonate 66-27-3 (ug/L)	Methyl Parathion 298-00-0 (ug/L)	Methylacrylon itrile 126-98-7 (ug/L)	Naphthalene 91-20-3 (ug/L)	Nitrobenzene 98-95-3 (ug/L)	N-Nitroso- Diethylamine 55-18-5 (ug/L)	N-Nitroso- Dimethylamine 62-75-9 (ug/L)	N-Nitrosodi-N- Butylamine 924-16-3 (ug/L)	N-Nitroso- Diphenylamin e 86-30-6 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	0.04 U	0.1 U	0.025 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VOA TRIP BLANK	10/19/2016	VTRP161026X			0.1 U						

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	N-Nitroso- Dipropylamine 621-64-7 (ug/L)	N-Nitroso- Methyl- Ethalamine 10595-95-6 (ug/L)	N-Nitroso- Piperidine 100-75-4 (ug/L)	N-Nitroso- Pyrrolidine 930-55-2 (ug/L)	O,O,O-Triethyl Phosphoro- Thioate 126-68-1 (ug/L)	O,O-Diethyl O- Pyrazinyl Phosphoro- Thioate 297-97-2 (ug/L)	O-Toluidine 95-53-4 (ug/L)	Parathion 56-38-2 (ug/L)	P- Chloroaniline 106-47-8 (ug/L)	Pentachloro- Benzene 608-93-5 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	0.5 U	1 U	1 U	0.04 U	0.04 U	0.1 U	0.04 U	1 U	0.5 U
VOA TRIP BLANK	10/19/2016	VTRP161026X										

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Pentachloronit robenzene	Pentachloroph enol	Phenacetin	Phenanthrene	Phenol	Phorate	Phorate	P-Phenylene- Diamine	Propionitrile	Propyzamide
			82-68-8 (ug/L)	87-86-5 (ug/L)	62-44-2 (ug/L)	85-01-8 (ug/L)	108-95-2 (ug/L)	122-08-8 (ug/L)	298-02-2 (ug/L)	106-50-3 (ug/L)	107-12-0 (ug/L)	23950-58-5 (ug/L)
MW-101	10/26/2016	W101161026-	0.5 U	2 U	0.5 U	0.05 U	0.5 U	20 GU	0.04 U	20 GU	0.5 U	0.04 U
VOA TRIP BLANK	10/19/2016	VTRP161026X									0.5 U	

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Pyrene 129-00-0 (ug/L)	Safrole 94-59-7 (ug/L)	Total Aroclors T_AROCLOR (ug/L)	Toxaphene 8001-35-2 (ug/L)	Trans- Chlordane 5103-74-2 (ug/L)	Trans-Diallate 17708-58-6 (ug/L)
MW-101	10/26/2016	W101161026-	0.05 U	1 U	0.00625 U	0.495 U	0.00495 U	0.04 U
VOA TRIP BLANK	10/19/2016	VTRP161026X						

Surface Water Analytical Data

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sandy 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	4/10/2017	415.38	418.84		0.9	416.28
SW-G1	SW-W1	5/5/2017	415.38	418.84		0.96	416.34
SW-G1	SW-W1	6/5/2017	415.38	418.84		0.81	416.19
SW-G2	SW-N1	4/10/2017	355.68	358.21		0.72	356.40
SW-G2	SW-N1	5/5/2017	355.68	358.21		1.24	356.92
SW-G2	SW-N1	6/5/2017	355.68	358.21		0.36	356.04
SW-G3	SW -V	6/5/2017	466.46	469.88	5.53		464.35
SW-G3	SW -V	4/10/2017	466.46	469.88		0.14	466.60
SW-G3	SW -V	5/5/2017	466.46	469.88		0.16	466.62
SW-G4	Upstream of SW-E1	6/5/2017	502.41	505.85	4.8		501.05
SW-G4	Upstream of SW-E1	4/10/2017	502.41	505.85		0.38	502.79
SW-G4	Upstream of SW-E1	5/5/2017	502.41	505.85		0.52	502.93
SW-G5	SW-E1	4/10/2017	486.92	490.34		0.66	487.58
SW-G5	SW-E1	5/5/2017	486.92	490.34		0.80	487.72
SW-G5	SW-E1	6/5/2017	486.92	490.34		0.46	487.38
SW-G6	Upstream of SW-GS1	4/10/2017	490.72	494.12	2.75		491.37
SW-G6	Upstream of SW-GS1	6/5/2017	490.72	494.12	4.35		489.77
SW-G6	Upstream of SW-GS1	5/5/2017	490.72	494.12		0.90	491.62
SW-G7	SW-S2	4/10/2017	453.03	456.41		1.18	454.21
SW-G7	SW-S2	5/5/2017	453.03	456.41		1.36	454.39
SW-G7	SW-S2	6/5/2017	453.03	456.41		0.38	453.41
SW-G8	Upstream of SW-S1	4/10/2017	510.61	515.56		0.58	511.19
SW-G8	Upstream of SW-S1	5/5/2017	510.61	515.56		0.95	511.56
SW-G8	Upstream of SW-S1	6/5/2017	510.61	515.56		0.10	510.71
SW-G9	SW-S1	6/5/2017	490.93	494.35	3.2		491.15
SW-G9	SW-S1	4/10/2017	490.93	494.35		0.60	491.53
SW-G9	SW-S1	5/5/2017	490.93	494.35		0.96	491.89

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

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	4/17/2017	SGS1170417P	7.1	124.6	12.6	5.53	7.89
SW-N4	4/17/2017	SN4-170417D	6.7	93.1	12.24	3.15	10.65
SW-N4	4/17/2017	SN4-170417P	6.7	93.1	12.24	3.15	10.65
SW-SL3	4/17/2017	SSL3170417P	7	102.8	10.42	3.4	9.3

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Copper, total (mg/L)	Zinc, total (mg/L)
SW-GS1	4/17/2017	SGS1170417P	0.01	2 U	3	0.00292	0.00231
SW-N4 Duplicate	4/17/2017	SN4-170417D	0.0925	2 U	1.1	0.00987	0.0176
SW-N4	4/17/2017	SN4-170417P	0.0925	2 U	1.1 U	0.00969	0.0175
SW-SL3	4/17/2017	SSL3170417P	0.0098 T	2 U	3	0.00325	0.00626

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	4-Methyl- phenol 106-44-5 (ug/L)	Alpha Terpineol 98-55-5 (ug/L)	Benzoic Acid 65-85-0 (ug/L)	Phenol 108-95-2 (ug/L)
SW-GS1	4/17/2017	SGS1170417P	0.49 U	0.49 U	9.7 U	0.49 U
SW-N4 Duplicate	4/17/2017	SN4-170417D	0.47 U	0.47 U	9.4 U	0.47 U
SW-N4	4/17/2017	SN4-170417P	0.47 U	0.47 U	9.4 U	0.47 U
SW-SL3	4/17/2017	SSL3170417P	0.48 U	0.48 U	9.5 U	0.48 U

Washington Department of Ecology

Electronic Submission Cover Letter



WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1591799 - 8/9/2017 9:31:56 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Jennifer Keune	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday August 9 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.

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+2iDa8j9XQNZ44xxcqRmRmZ7NpeTg=



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Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 04/01/2017 - 06/30/2017

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 Solids 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
4-M	4/17/17	5.53	7.1	No	2.92	2.31	<2	3	0.01	<0.49	<9.7	<0.49
Minimum			7.1									
			BM: >= 5.0 (RO)									
Average		5.53			2.92	2.31						
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			7.1									
			BM: <= 9.0 (RO)									
Month 1 Average							<2	3	0.01	<0.49	<9.7	<0.49
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 2 Average							M	M	M	M	M	M
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 3 Average							M	M	M	M	M	M
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 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: 04/01/2017 - 06/30/2017

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
4-M	4/17/17	3.15	6.7	No	9.69	17.5	<2	<1.1	0.0925	<0.47	<9.4	<0.47
Minimum			6.7 BM: >= 5.0 (RO)									
Average		3.15 BM: <= 25			9.69 BM: <= 14	17.5 BM: <= 117						
Maximum			6.7 BM: <= 9.0 (RO)									
Month 1 Average							<2 <= 37	<1.1 <= 27	0.0925 <= 4.9	<0.47 <= 16	<9.4 <= 71	<0.47 <= 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: 04/01/2017 - 06/30/2017

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
4-M	4/17/17	3.4	7	No	3.25	6.26	<2	3	0.0098	<0.48	<9.5	<0.48
Minimum			7 BM: >= 5.0 (RO)									
Average		3.4 BM: <= 25			3.25 BM: <= 14	6.26 BM: <= 117						
Maximum			7 BM: <= 9.0 (RO)									
Month 1 Average							<2 =< 37	3 =< 27	0.0098 =< 4.9	<0.48 =< 16	<9.5 =< 71	<0.48 =< 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.

Jennifer Keune

8/9/2017 9:31:50 AM

Signature

Date



Leachate Analytical Data

Leachate Monitoring Activities 2nd Quarter 2017

Station ID	Date	Activity	Sample ID	Comment
46N	4/11/17	Monthly Characterization Sample	L46N170411M	
PS2A	4/11/17	Monthly Characterization Sample	LP2A170411M	
API	4/11/17	Monthly Characterization Sample	LAPI170412M	
LEPS	4/12/17	Monthly Characterization Sample	LEPS170411M	
LEPS	4/12/17	Permit Sample	LEPS170411P	
LEPS	5/8/17	Permit Sample	LEPS170510P	
API	5/10/17	Monthly Characterization Sample	LAPI170510M	
P2A	5/10/17	Monthly Characterization Sample	LP2A170510M	
46N	5/10/17	Monthly Characterization Sample	L46N170510M	
LEPS	5/10/17	Monthly Characterization Sample	LEPS170509M	
46N	6/13/17	Monthly Characterization Sample	L46N170613M	
46N	6/13/17	QA/QC Sample	L46N170613D	Field Duplicate
P2A	6/13/17	Monthly Characterization Sample	LP2A170613M	
LEPS	6/14/17	Monthly Characterization Sample	LEPS170613M	
API	6/14/17	Monthly Characterization Sample	LAPI170614M	
LEPS	6/14/17	Permit Sample	LEPS170613P	

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

Cedar Hills Landfill ---Leachate Field Parameters

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field)	Conductance (Field)	Temperature
			(std. Units)	(umho/cm)	(o C)
LS-API	4/12/2017	LAPI170412M	7.35	2500	13.6
LS-API	5/10/2017	LAPI170510M	7.64	1100	17
LS-API	6/14/2017	LAPI170614M	8.06	8500	22.9
LS-LEPS	4/12/2017	LEPS170411M	8.05	5000	13.8
LS-LEPS	4/12/2017	LEPS170411P	8.05	5000	13.8
LS-LEPS	5/10/2017	LEPS170509M	7.98	4600	16.4
LS-LEPS	5/10/2017	LEPS170509P	7.98	4600	16.4
LS-LEPS	6/14/2017	LEPS170613M	8.38	7250	16.9
LS-LEPS	6/14/2017	LEPS170613P	8.38	7250	16.9
LS-MH46N	4/11/2017	L46N170411M	6.88	3200	26.6
LS-MH46N	5/10/2017	L46N170510M	7.12	6500	14.5
LS-MH46N	6/13/2017	L46N170613D	7.03	3000	20.9
LS-MH46N	6/13/2017	L46N170613M	7.03	3000	20.9
LS-PS2A	4/11/2017	LP2A170411M	7.49	100	9.1
LS-PS2A	5/10/2017	LP2A170510M	8.14	170	10.8
LS-PS2A	6/13/2017	LP2A170613M	7.05	2100	12.4

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate Conventional Analytical Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO3) (mg/L)	Ammonia, (NH3 as N) (mg/L)	Biological Oxygen Demand (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Coliforms, Fecal (CFU/100mL)	Coliforms, Total (CFU/100mL)	Cyanide (mg/L)	Fluoride (mg/L)	Nitrate+Nitrite (NO3+NO2 as N) (mg/L)
LS-API	4/12/2017	LAPI170412M	2820	576	1330	3050	737	29000	430000	0.0095 ST	40 U	1 U
LS-API	5/10/2017	LAPI170510M	2120	407	1130	2660	1700	260000	2600000	0.008 SU	2 U	0.1 U
LS-API	6/14/2017	LAPI170614M	6220	1290	1890	4690 S	1560	33000	1200000 C	0.01 ST	4 U	0.4 U
LS-LEPS	4/11/2017	LEPS170411M	1890	337	441	1550	458	9000	99000	0.008 SU	0.31 T	0.1 U
LS-LEPS	5/9/2017	LEPS170509M	1890	339	271	1310 S	448	66000 H	540000 H	0.008 SU	0.2 U	0.05 U
LS-LEPS	6/13/2017	LEPS170613M	3090	593	86.4	1170	824	1300 C	29000	0.0083 ST	0.587	0.84
LS-MH46N	4/11/2017	L46N170411M	2050	431	63.5	1160	1200	1 U	1 U	0.0097 ST	2 U	0.1 U
LS-MH46N	5/10/2017	L46N170510M	2230	457	67.9	1220	1200	1 U	9 CU	0.0089 ST	1 U	0.1 U
LS-MH46N	6/13/2017	L46N170613D	2490	512	67.5	1320	1340	1 U	9 CU	0.011 ST	1 U	0.17 T
LS-MH46N	6/13/2017	L46N170613M	2410	508	69.1	1380	1380	1 U	9 CU	0.012 ST	2 U	0.2 T
LS-PS2A	4/11/2017	LP2A170411M	36.2	2.53	25	23	4.8	1 U	200	0.008 U	0.0638	1.05
LS-PS2A	5/10/2017	LP2A170510M	68.6	3.77	3.38	31.7	5.87	1 U	60	0.008 U	0.0557	1.04
LS-PS2A	6/13/2017	LP2A170613M	994	181	288	932	677	3	13000	0.008 SU	1 U	46.3

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate Conventional Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Phosphorus, Sol. Reactive	Specific Conductance	Sulfate (SO4)	Sulfide Total	Total Fats, Oils and Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			(mg/L)	(umho/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
LS-API	4/12/2017	LAPI170412M	2.3	7950	36.5	1.27	6.1 B	783	908 S	85	2140	57
LS-API	5/10/2017	LAPI170510M	1.49	5950	39.5	0.314	3.2 BT	436	814 S	115	2080	77
LS-API	6/14/2017	LAPI170614M	7.54	15600	21.6	0.853	8.6 BG	1400 S	1350 S	41.8	3210	34.5
LS-LEPS	4/11/2017	LEPS170411M	0.0222	5280	42.9	0.143	2.7 BT	433	338	150	1500	110 B
LS-LEPS	5/9/2017	LEPS170509M	0.018 T	5160	35.6	0.367	3 BT	369 S	248	307	1180	267
LS-LEPS	6/13/2017	LEPS170613M	2.11	8150	44.3	0.23 T	2.2 BGT	634	215 S	230	1240	193
LS-MH46N	4/11/2017	L46N170411M	2.37	7740	1.1 T	1.18	3.5 BT	501	324 S	1 U	1060	1 U
LS-MH46N	5/10/2017	L46N170510M	2.65	8270	0.5 U	1.4	4.6 BT	478	370 S	0.5 U	1970	0.5 T
LS-MH46N	6/13/2017	L46N170613D	3 T	8970	2 U	0.593	5.1 BGT	504	412 S	2.4	1220	2.2
LS-MH46N	6/13/2017	L46N170613M	2.9 T	8980	2 U	0.856	5.9 BG	535	396 S	1.9	1280	1.5
LS-PS2A	4/11/2017	LP2A170411M	0.0152	137	8.14	0.01 U	1.9 BT	3.24	7.7	4.2	64.7	2.5 B
LS-PS2A	5/10/2017	LP2A170510M	0.0137	206	8.74	0.05 U	2.2 BT	4.95	8.45	2.4	123	1.7
LS-PS2A	6/13/2017	LP2A170613M	0.655	4660	51	0.25 U	3 BGT	187	278	40	1170	18.3

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate Metals 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)
LS-API	4/12/2017	LAPI170412M	0.941	0.0115	0.118	0.152	0.001 U	0.000503	137	0.0953	0.0267	0.0122
LS-API	5/10/2017	LAPI170510M	1.27	0.00835	0.0755	0.126	0.001 U	0.0005 U	137	0.0675	0.0188	0.00938
LS-API	6/14/2017	LAPI170614M	0.649	0.0245	0.263	0.241	0.001 U	0.0005 U	96.7	0.208	0.0421	0.00621
LS-LEPS	4/11/2017	LEPS170411M	1.78	0.00819	0.0731	0.112	0.001 U	0.0005 U	122	0.0628	0.0187	0.0106
LS-LEPS	4/11/2017	LEPS170411P						0.0005 U		0.0634		0.0105
LS-LEPS	5/9/2017	LEPS170509M	1.37	0.00767	0.0726	0.0986	0.001 U	0.0005 U	101	0.0585	0.0169	0.00877
LS-LEPS	5/9/2017	LEPS170509P						0.0005 U		0.0583		0.00919
LS-LEPS	6/13/2017	LEPS170613M	0.977	0.0143	0.141	0.126	0.001 U	0.0005 U	78.1	0.0995	0.0256	0.00863
LS-LEPS	6/13/2017	LEPS170613P						0.0005 U		0.0985		0.00852
LS-MH46N	4/11/2017	L46N170411M	0.0232	0.003 U	0.0639	0.235	0.001 U	0.0005 U	68.4	0.0685	0.0242	0.002 U
LS-MH46N	5/10/2017	L46N170510M	0.0213	0.003 U	0.0662	0.257	0.001 U	0.0005 U	75.9	0.0697	0.0244	0.002 U
LS-MH46N	6/13/2017	L46N170613D	0.0312	0.003 U	0.0761	0.319	0.001 U	0.0005 U	83.8	0.0833	0.0281	0.002 U
LS-MH46N	6/13/2017	L46N170613M	0.0282	0.003 U	0.0747	0.317	0.001 U	0.0005 U	83.7	0.0803	0.0272	0.002 U
LS-PS2A	4/11/2017	LP2A170411M	0.16	0.003 U	0.00285	0.00589	0.001 U	0.0005 U	9.47	0.00234	0.000699	0.0207
LS-PS2A	5/10/2017	LP2A170510M	0.081	0.003 U	0.00225	0.0105	0.001 U	0.0005 U	16.7	0.00208	0.000589	0.0179
LS-PS2A	6/13/2017	LP2A170613M	0.141	0.0351	0.049	0.0244	0.001 U	0.0005 U	26.6	0.0343	0.028	0.0656

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate Metals Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Iron, total (mg/L)	Lead, total (mg/L)	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)
LS-API	4/12/2017	LAPI170412M	14	0.00365	51.5	1.46	0.0001 U	0.106	261	0.005 U	0.0004 U	721
LS-API	5/10/2017	LAPI170510M	13.3	0.00413	41.7	1.46	0.0001 U	0.0782	195	0.005 U	0.0004 U	517
LS-API	6/14/2017	LAPI170614M	6.21	0.00294	80.4	1.15	0.0001 U	0.18	551	0.005 U	0.0004 U	1530
LS-LEPS	4/11/2017	LEPS170411M	10.9	0.00459	38.5	1.44	0.0001 U	0.0755	175	0.005 U	0.0004 U	471
LS-LEPS	4/11/2017	LEPS170411P		0.00464				0.0775				
LS-LEPS	5/9/2017	LEPS170509M	8.75	0.00369	36.1	1	0.0001 U	0.0694	174	0.005 U	0.0004 U	478
LS-LEPS	5/9/2017	LEPS170509P		0.00348				0.0692				
LS-LEPS	6/13/2017	LEPS170613M	8.47	0.00475	50.4	0.678	0.0001 U	0.105	295	0.005 U	0.0004 U	827
LS-LEPS	6/13/2017	LEPS170613P		0.0047				0.106				
LS-MH46N	4/11/2017	L46N170411M	1.92	0.001 U	39.4	0.409	0.0001 U	0.103	255	0.005 U	0.0004 U	833
LS-MH46N	5/10/2017	L46N170510M	2.12	0.001 U	43.7	0.464	0.0001 U	0.104	264	0.005 U	0.0004 U	881
LS-MH46N	6/13/2017	L46N170613D	2.33	0.001 U	49.7	0.546	0.0001 U	0.12	298	0.005 U	0.0004 U	1000
LS-MH46N	6/13/2017	L46N170613M	2.19	0.001 U	47.6	0.539	0.0001 U	0.115	296	0.005 U	0.0004 U	982
LS-PS2A	4/11/2017	LP2A170411M	0.87	0.001 U	3.69	0.119	0.0001 U	0.00782	5 U	0.005 U	0.0004 U	5.28
LS-PS2A	5/10/2017	LP2A170510M	1.18	0.001 U	5.21	0.12	0.0001 U	0.00708	5 U	0.005 U	0.0004 U	7.37
LS-PS2A	6/13/2017	LP2A170613M	11.4	0.00139	12.9	0.434	0.000101	0.0904	193	0.005 U	0.0004 U	627

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate Metals Analytical Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
LS-API	4/12/2017	LAPI170412M	0.001 U	0.0159	0.0299	0.67
LS-API	5/10/2017	LAPI170510M	0.001 U	0.0114	0.023	0.47
LS-API	6/14/2017	LAPI170614M	0.001 U	0.0363	0.0608	0.439
LS-LEPS	4/11/2017	LEPS170411M	0.001 U	0.00872	0.0217	0.438
LS-LEPS	4/11/2017	LEPS170411P				0.446
LS-LEPS	5/9/2017	LEPS170509M	0.001 U	0.00794	0.0213	0.323
LS-LEPS	5/9/2017	LEPS170509P				0.301
LS-LEPS	6/13/2017	LEPS170613M	0.001 U	0.015	0.0348	0.271
LS-LEPS	6/13/2017	LEPS170613P				0.275
LS-MH46N	4/11/2017	L46N170411M	0.001 U	0.005 U	0.0774	0.0168
LS-MH46N	5/10/2017	L46N170510M	0.001 U	0.005 U	0.0808	0.005 U
LS-MH46N	6/13/2017	L46N170613D	0.001 U	0.005 U	0.0967	0.00877
LS-MH46N	6/13/2017	L46N170613M	0.001 U	0.005 U	0.0953	0.00976
LS-PS2A	4/11/2017	LP2A170411M	0.001 U	0.005 U	0.00375 U	0.0197
LS-PS2A	5/10/2017	LP2A170510M	0.001 U	0.005 U	0.00295	0.0161
LS-PS2A	6/13/2017	LP2A170613M	0.001 U	0.0567	0.0178	0.275

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs 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-Chloropropane 96-12-8 (ug/L)
LS-API	4/12/2017	LAPI170412M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-API	5/10/2017	LAPI170510M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-API	6/14/2017	LAPI170614M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	4/11/2017	LEPS170411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	5/9/2017	LEPS170509M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	6/13/2017	LEPS170613M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	4/11/2017	L46N170411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	5/10/2017	L46N170510M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	6/13/2017	L46N170613D	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	6/13/2017	L46N170613M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	4/11/2017	LP2A170411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	5/10/2017	LP2A170510M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	6/13/2017	LP2A170613M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3 Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2,2-Dichloro-propane	2-Butanone
			106-93-4 (ug/L)	95-50-1 (ug/L)	107-06-2 (ug/L)	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)
LS-API	4/12/2017	LAPI170412M	1 U	1 U	1.8 JT	1 U	1 U	1 U	1.3 JT	1 U	2650 D
LS-API	5/10/2017	LAPI170510M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1750 D
LS-API	6/14/2017	LAPI170614M	1 U	1 U	2.58	1 U	1 U	1 U	2.35	1 U	3730 D
LS-LEPS	4/11/2017	LEPS170411M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	753
LS-LEPS	5/9/2017	LEPS170509M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	363
LS-LEPS	6/13/2017	LEPS170613M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-MH46N	4/11/2017	L46N170411M	1 U	2.34	1 U	1 U	1 U	1 U	9.31	1 U	2.5 U
LS-MH46N	5/10/2017	L46N170510M	1 U	2.67	1 U	1 U	1 U	1 U	10.7	1 U	2.5 U
LS-MH46N	6/13/2017	L46N170613D	1 U	2.89	1 U	1 U	1 U	1 U	12.1	1 U	2.5 U
LS-MH46N	6/13/2017	L46N170613M	1 U	2.73	1 U	1 U	1 U	1 U	11	1 U	2.5 U
LS-PS2A	4/11/2017	LP2A170411M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	5/10/2017	LP2A170510M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	6/13/2017	LP2A170613M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	2-Hexanone	2-Methyl-1-propanol	3-Chloro-propene	4-Methyl-2-Pentanone	Acetone	Acetonitrile	Acrolein	Acrylonitrile	Benzene
			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)	107-02-8 (ug/L)	107-13-1 (ug/L)	71-43-2 (ug/L)
LS-API	4/12/2017	LAPI170412M	5.6 JT	50 U	1 U	27 JT	2610 D	41 JT	25 U	0.35 U	1 U
LS-API	5/10/2017	LAPI170510M	10.5	50 U	1 U	25 U	1820 D	25 U	25 U	0.35 U	1 U
LS-API	6/14/2017	LAPI170614M	9.2 JT	137 J	1 U	42 JT	4340 D	153 L	25 U	2.05	1 U
LS-LEPS	4/11/2017	LEPS170411M	5 U	50 U	1 U	25 U	814	25 U	25 U	0.35 U	1 U
LS-LEPS	5/9/2017	LEPS170509M	5 U	50 U	1 U	25 U	509	25 U	25 U	0.35 U	1 U
LS-LEPS	6/13/2017	LEPS170613M	5 U	50 JU	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-MH46N	4/11/2017	L46N170411M	5 U	50 GU	1 U	25 U	25 U	25 U	25 U	0.35 U	2.98
LS-MH46N	5/10/2017	L46N170510M	5 U	50 GU	1 U	25 U	25 U	25 U	25 U	0.35 U	3.77
LS-MH46N	6/13/2017	L46N170613D	5 U	50 JU	1 U	25 U	25 U	50 U	25 U	0.35 U	4.32
LS-MH46N	6/13/2017	L46N170613M	5 U	50 JU	1 U	25 U	25 U	53 JLT	25 U	0.35 U	3.94
LS-PS2A	4/11/2017	LP2A170411M	5 U	50 U	1 U	25 U	25 U	25 U	25 U	0.35 U	1 U
LS-PS2A	5/10/2017	LP2A170510M	5 U	50 U	1 U	25 U	25 U	25 U	25 U	0.35 U	1 U
LS-PS2A	6/13/2017	LP2A170613M	5 U	50 JU	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	2.5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.5 U	5 U	0.1 U	2.5 U	2.5 U	2.5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	2.5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	2.5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	2.5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Bromochloro- methane	Bromodichloro- methane	Bromoform	Bromo-methane	Carbon Disulfide	Carbon Tetrachloride	Chloro-benzene	Chloro-dibromo- methane	Chloroethane
			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)	75-00-3 (ug/L)
LS-API	4/12/2017	LAPI170412M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-API	5/10/2017	LAPI170510M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-API	6/14/2017	LAPI170614M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	4/11/2017	LEPS170411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	5/9/2017	LEPS170509M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	6/13/2017	LEPS170613M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-MH46N	4/11/2017	L46N170411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2 JT	5 U	1 U
LS-MH46N	5/10/2017	L46N170510M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.43	5 U	1 U
LS-MH46N	6/13/2017	L46N170613D	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.66	5 U	1 U
LS-MH46N	6/13/2017	L46N170613M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.47	5 U	1 U
LS-PS2A	4/11/2017	LP2A170411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	5/10/2017	LP2A170510M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	6/13/2017	LP2A170613M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	cis-1,2-Dichloro- ethene	cis-1,3-Dichloro- propene	Dibromo-methane	Dichloro-difluoro- methane	Ethylbenzene	m & p Xylenes
			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)
LS-API	4/12/2017	LAPI170412M	1 U	2.5 U	1 U	1.1 JT	2.5 U	1 U	1 U	2.27	5.18
LS-API	5/10/2017	LAPI170510M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.9 JT	4.32
LS-API	6/14/2017	LAPI170614M	1 U	2.5 U	1 U	1.3 JT	2.5 U	1 U	1 U	3.57	8.62
LS-LEPS	4/11/2017	LEPS170411M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	5/9/2017	LEPS170509M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	6/13/2017	LEPS170613M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-MH46N	4/11/2017	L46N170411M	1 U	2.5 U	1 U	1.7 JT	2.5 U	1 U	1 U	43.5	54.4
LS-MH46N	5/10/2017	L46N170510M	1 U	2.5 U	1 U	2.28	2.5 U	1 U	1 U	50.1	57.7
LS-MH46N	6/13/2017	L46N170613D	1 U	2.5 U	1 U	2.02	2.5 U	1 U	1 U	53.2	52.2
LS-MH46N	6/13/2017	L46N170613M	1 U	2.5 U	1 U	1.7 JT	2.5 U	1 U	1 U	48.5	47.1
LS-PS2A	4/11/2017	LP2A170411M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	5/10/2017	LP2A170510M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	6/13/2017	LP2A170613M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Iodide	Methyl Methacrylate	Methylacrylonitrile	Methylene Chloride	o-Xylene	Propionitrile	Styrene	Tetrachloroethene	Toluene
			74-88-4 (ug/L)	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)
LS-API	4/12/2017	LAPI170412M	1 U	2.5 U	1 U	25 U	2.65	5 U	1 U	1 U	9.41
LS-API	5/10/2017	LAPI170510M	1 U	2.5 U	1 U	25 U	2.13	5 U	1 U	1 U	21.6
LS-API	6/14/2017	LAPI170614M	1 U	2.5 U	1 U	25 U	4.61	6.2 JT	1 U	1 U	12.4
LS-LEPS	4/11/2017	LEPS170411M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1.2 JT
LS-LEPS	5/9/2017	LEPS170509M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-LEPS	6/13/2017	LEPS170613M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-MH46N	4/11/2017	L46N170411M	1 U	2.5 U	1 U	25 U	2.84	5 U	1.2 JT	1 U	2.9
LS-MH46N	5/10/2017	L46N170510M	1 U	2.5 U	1 U	25 U	4.3	5 U	1 U	1 U	6.77
LS-MH46N	6/13/2017	L46N170613D	1 U	2.5 U	1 U	25 U	3.43	5 U	1.5 JT	1 U	5.48
LS-MH46N	6/13/2017	L46N170613M	1 U	2.5 U	1 U	25 U	3.17	5 U	1.3 JT	1 U	4.94
LS-PS2A	4/11/2017	LP2A170411M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	5/10/2017	LP2A170510M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	6/13/2017	LP2A170613M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	trans-1,2-	trans-1,3-	trans-1,4-	Trichloro-ethene	Trichloro-fluoro-	Vinyl Acetate	Vinyl Chloride
			Dichloro-ethene	Dichloro-propene	Dichloro-2-butene		methane		
			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)
LS-API	4/12/2017	LAPI170412M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-API	5/10/2017	LAPI170510M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-API	6/14/2017	LAPI170614M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	4/11/2017	LEPS170411M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	5/9/2017	LEPS170509M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	6/13/2017	LEPS170613M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-MH46N	4/11/2017	L46N170411M	1 U	5 U	5 U	1 U	1 U	1 U	6.74
LS-MH46N	5/10/2017	L46N170510M	1 U	5 U	5 U	1 U	1 U	1 U	8.77
LS-MH46N	6/13/2017	L46N170613D	1 U	5 U	5 U	1 U	1 U	1 U	3.71
LS-MH46N	6/13/2017	L46N170613M	1 U	5 U	5 U	1 U	1 U	1 U	3.42
LS-PS2A	4/11/2017	LP2A170411M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	5/10/2017	LP2A170510M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	6/13/2017	LP2A170613M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
VOA TRIP BLANK	4/10/2017	VTRP170411Y	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2017	VTRP170412X	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2017	VTRP170412Y	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/9/2017	VTRP170510X2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/9/2017	VTRP170510Z	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/12/2017	VTRP170613Y	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/13/2017	VTRP170613X2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/13/2017	VTRP170614Y2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 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
			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)
LS-API	4/12/2017	LAPI170412M	0.5 U	0.6 U	2.39 J	0.025 GU	0.025 GJU	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.025 U
LS-API	5/10/2017	LAPI170510M	0.5 U	0.5 U	2.23 J	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U
LS-API	6/14/2017	LAPI170614M	0.5 U	3 U	1 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-LEPS	4/11/2017	LEPS170411M	0.5 U	0.5 U	2.46	0.025 GU	0.025 GU	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.025 U
LS-LEPS	5/9/2017	LEPS170509M	0.5 U	1 U	1.21 J	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U
LS-LEPS	6/13/2017	LEPS170613M	0.5 U	2 U	1 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-MH46N	4/11/2017	L46N170411M	0.5 U	0.707	3.62	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0201 J	0.025 U
LS-MH46N	5/10/2017	L46N170510M	0.5 U	0.835	1.56	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0123 J	0.025 U
LS-MH46N	6/13/2017	L46N170613D	0.5 U	0.803	2.46	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0142 J	0.025 U
LS-MH46N	6/13/2017	L46N170613M	0.5 U	0.829	3.17 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.013 J	0.025 U
LS-PS2A	4/11/2017	LP2A170411M	0.5 U	0.5 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
LS-PS2A	5/10/2017	LP2A170510M	0.5 U	0.5 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
LS-PS2A	6/13/2017	LP2A170613M	0.5 U	12 LU	2.42	0.01 U	0.01 U	0.016 J	0.01 U	0.01 U	0.01 U	0.025 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aroclor	Aroclor	Aroclor	Aroclor	Aroclor	Aroclor	Beta	Delta	Dieldrin	Dinoseb
			1221	1232	1242	1248	1254	1260	BHC	BHC		
			11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	319-85-7	319-86-8	60-57-1	88-85-7
			(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
LS-API	4/12/2017	LAPI170412M	0.025 U	0.025 U	0.0838	0.025 U	0.0386 J	0.025 U	0.025 U	0.025 U	0.025 GU	0.5 U
LS-API	5/10/2017	LAPI170510M	0.025 U	0.025 U	0.0779	0.025 U	0.0428	0.025 U	0.0708 J	0.025 U	0.025 U	0.5 U
LS-API	6/14/2017	LAPI170614M	0.5 U	0.6 U	0.125	0.025 U	0.075 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U
LS-LEPS	4/11/2017	LEPS170411M	0.025 U	0.025 U	0.0332	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 GU	0.5 U
LS-LEPS	5/9/2017	LEPS170509M	0.025 U	0.025 U	0.036	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U
LS-LEPS	6/13/2017	LEPS170613M	0.05 U	0.025 U	0.0532	0.025 U	0.0309 J	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U
LS-MH46N	4/11/2017	L46N170411M	0.1 U	0.025 U	0.203	0.025 U	0.025 U	0.025 U	0.0338 J	0.01 U	0.01 U	0.5 U
LS-MH46N	5/10/2017	L46N170510M	0.1 U	0.025 U	0.162	0.025 U	0.025 U	0.025 U	0.0388 J	0.01 U	0.01 U	0.5 U
LS-MH46N	6/13/2017	L46N170613D	0.15 U	0.025 U	0.127 J	0.025 U	0.025 U	0.025 U	0.0389 J	0.01 U	0.01 U	0.5 U
LS-MH46N	6/13/2017	L46N170613M	0.175 U	0.025 U	0.131 J	0.025 U	0.025 U	0.025 U	0.0336 J	0.01 U	0.01 U	0.5 U
LS-PS2A	4/11/2017	LP2A170411M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U	0.5 U
LS-PS2A	5/10/2017	LP2A170510M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U	0.01 U	0.5 U
LS-PS2A	6/13/2017	LP2A170613M	0.075 U	0.025 U	0.255	0.025 U	0.204	0.0937	0.01 U	0.01 U	0.01 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Endo- sulfan I 959-98-8 (ug/L)	Endo- sulfan II 33213-65-9 (ug/L)	Endosulfan Sulfate 1031-07-8 (ug/L)	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)
LS-API	4/12/2017	LAPI170412M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.025 U	0.125 U
LS-API	5/10/2017	LAPI170510M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 GU	0.025 U	0.125 U
LS-API	6/14/2017	LAPI170614M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.119 J	0.125 U
LS-LEPS	4/11/2017	LEPS170411M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.025 U	0.125 U
LS-LEPS	5/9/2017	LEPS170509M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 GU	0.025 U	0.125 U
LS-LEPS	6/13/2017	LEPS170613M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-MH46N	4/11/2017	L46N170411M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-MH46N	5/10/2017	L46N170510M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0498 J	0.05 U
LS-MH46N	6/13/2017	L46N170613D	0.01 U	0.01 U	0.01 U	0.01 U	0.0109	0.01 U	0.01 U	0.01 U	0.0345 J	0.05 U
LS-MH46N	6/13/2017	L46N170613M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0306 J	0.05 U
LS-PS2A	4/11/2017	LP2A170411M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	5/10/2017	LP2A170510M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	6/13/2017	LP2A170613M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0139 J	0.01 U	0.01 U	0.01 U	0.05 U

Environmental Monitoring Data

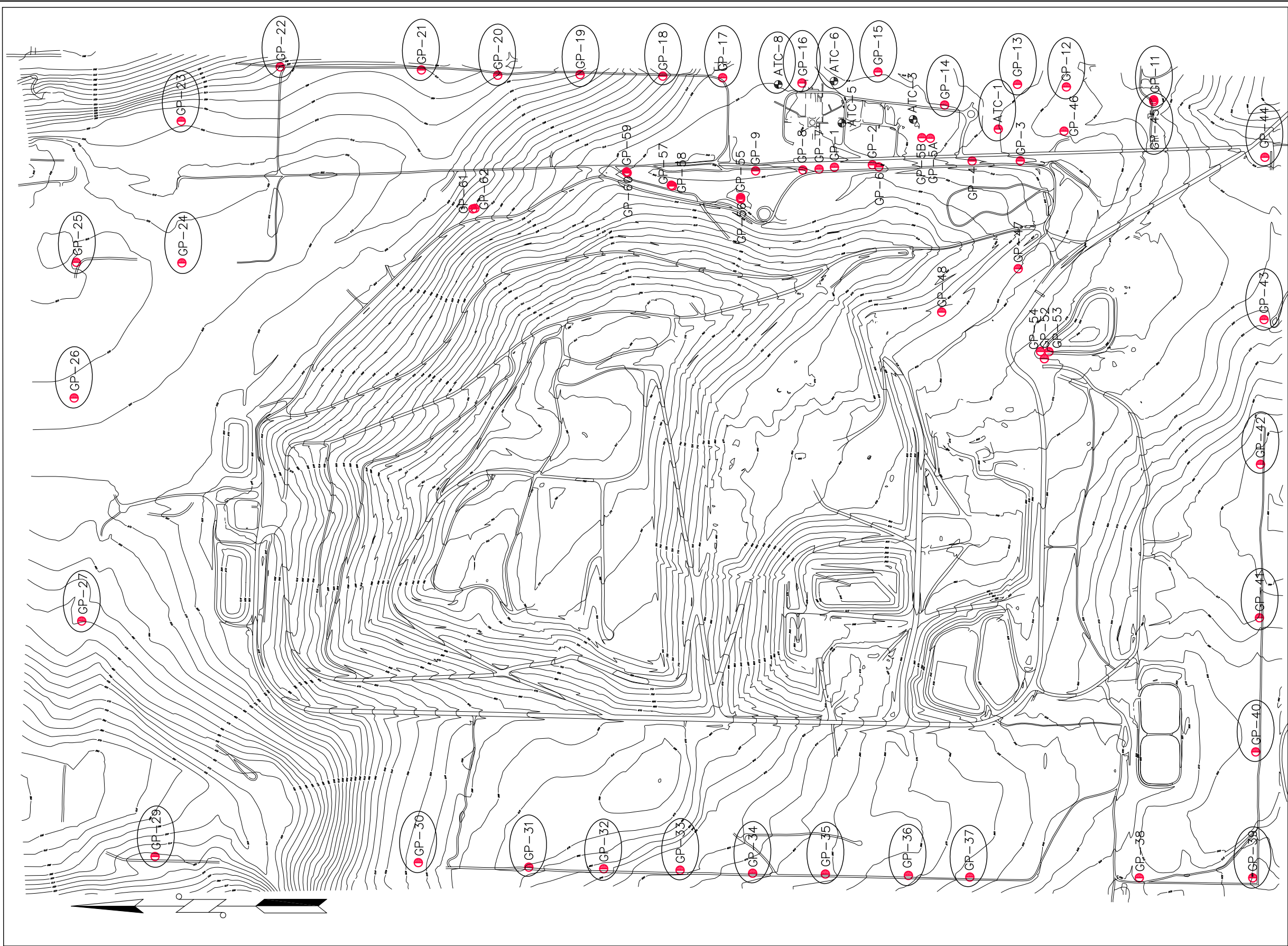
Data Collected from April 1, 2017 to June 30, 2017

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

Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Toxaphene
			8001-35-2 (ug/L)
LS-API	4/12/2017	LAPI170412M	2.5 U
LS-API	5/10/2017	LAPI170510M	2.5 U
LS-API	6/14/2017	LAPI170614M	2.5 U
LS-LEPS	4/11/2017	LEPS170411M	2.5 U
LS-LEPS	5/9/2017	LEPS170509M	2.5 U
LS-LEPS	6/13/2017	LEPS170613M	2.5 U
LS-MH46N	4/11/2017	L46N170411M	1 U
LS-MH46N	5/10/2017	L46N170510M	1 U
LS-MH46N	6/13/2017	L46N170613D	1 U
LS-MH46N	6/13/2017	L46N170613M	1 U
LS-PS2A	4/11/2017	LP2A170411M	1 U
LS-PS2A	5/10/2017	LP2A170510M	1 U
LS-PS2A	6/13/2017	LP2A170613M	1 U

Landfill Gas Monitoring Data



- LEGEND**
- INTERIOR LFG MONITORING PROBES
 - LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

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 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	4/25/2017 8:11	0.0	0.2	21.0	0	-0.01	
ATC-01S	4/25/2017 8:09	0.0	0.1	21.0	0	0.01	
ATC-06D	4/25/2017 9:16	0.0	1.0	2.5	0	-0.01	
ATC-06S	4/25/2017 9:14	0.0	0.0	0.0	0	-6.2	No Reading, Water
ATC-08D	4/25/2017 9:28	0.0	0.1	20.6	0	-0.13	
ATC-08S	4/25/2017 9:26	0.0	0.3	17.8	0	0.09	
GP-11A	4/25/2017 7:45	0.0	0.8	18.5	0	0.03	
GP-11B	4/25/2017 7:47	0.0	0.1	20.8	0	-0.5	
GP-11C	4/25/2017 7:49	0.0	0.1	20.8	0	-0.78	
GP-11D	4/25/2017 7:50	0.0	0.1	20.8	0	0.03	
GP-12A	4/25/2017 8:18	0.0	0.1	21.0	0	-0.12	
GP-12B	4/25/2017 8:22	0.0	0.1	20.9	0	N/A	
GP-12C	4/25/2017 8:24	0.0	0.1	18.5	0	-10.16	
GP-12D	4/25/2017 8:26	0.0	0.7	11.3	0	-0.15	
GP-13A	4/25/2017 8:29	0.0	0.1	20.9	0	0	
GP-13B	4/25/2017 8:31	0.0	0.1	21.0	0	0.01	
GP-13C	4/25/2017 8:33	0.0	0.1	21.0	0	-0.01	
GP-13D	4/25/2017 8:35	0.0	0.1	21.0	0	-1.07	
GP-14A	4/25/2017 8:41	0.0	0.1	21.0	0	-0.19	
GP-14B	4/25/2017 8:42	0.0	0.1	21.0	0	-0.25	
GP-15A	4/25/2017 9:01	0.0	0.0	0.0	0	-0.01	No Reading, Water
GP-15C	4/25/2017 9:03	0.0	0.9	17.2	0	-0.31	
GP-15D	4/25/2017 9:05	0.0	0.2	20.7	0	-1.65	
GP-16A	4/25/2017 9:20	0.0	0.0	0.0	0	2.39	
GP-16B	4/25/2017 9:21	0.0	0.1	20.3	0	0.09	
GP-16C	4/25/2017 9:23	0.0	0.6	17.9	0	-0.47	
GP-17A	4/25/2017 12:37	0.0	0.0	0.0	0	-0.46	No Reading, Water
GP-17B	4/25/2017 12:39	0.0	0.7	17.8	0	0.11	
GP-17C	4/25/2017 12:41	0.0	0.1	20.0	0	-0.26	
GP-18A	4/25/2017 12:44	0.0	0.0	0.0	0	0.12	No Reading, Water
GP-18B	4/25/2017 12:45	0.0	0.3	12.6	0	0.11	
GP-18C	4/25/2017 12:47	0.0	0.2	18.1	0	0.07	
GP-19A	4/25/2017 12:51	0.0	0.1	20.1	0	0.08	
GP-19B	4/25/2017 12:53	0.0	0.7	15.3	0	-0.14	
GP-19C	4/25/2017 12:54	0.0	0.0	20.2	0	0.09	
GP-20A	4/25/2017 12:58	0.0	0.0	20.3	0	0.09	
GP-20B	4/25/2017 13:00	0.0	0.3	15.7	0	0.11	
GP-20C	4/25/2017 13:01	0.0	0.1	19.7	0	0.36	
GP-21A	4/25/2017 13:05	0.0	0.0	20.4	0	-0.05	
GP-21B	4/25/2017 13:06	0.0	0.1	9.9	0	0.39	
GP-21C	4/25/2017 13:07	0.0	0.0	0.0	0	-0.79	No Reading, Water
GP-22A	4/25/2017 13:12	0.0	0.2	20.4	0	-1.76	
GP-22C	4/25/2017 13:14	0.0	0.8	3.2	0	0.64	
GP-23A	4/25/2017 13:22	0.0	0.1	20.4	0	0.69	
GP-23B	4/25/2017 13:24	0.0	0.0	20.5	0	0.11	
GP-23C	4/25/2017 13:25	0.0	0.0	20.6	0	0.35	
GP-24A	4/25/2017 13:29	0.0	4.1	6.2	0	0.1	
GP-24B	4/25/2017 13:30	0.0	1.2	16.6	0	0.27	
GP-25	4/25/2017 13:33	0.0	2.7	12.7	0	0.09	
GP-26	4/25/2017 13:37	0.0	0.9	19.0	0	0.09	
GP-27	4/25/2017 13:42	0.0	6.0	9.5	0	0.07	
GP-29A	4/25/2017 13:47	0.0	0.6	19.6	0	0.13	
GP-29B	4/25/2017 13:48	0.0	0.7	20.3	0	0.08	
GP-30A	4/25/2017 14:25	0.0	2.4	16.0	0	0.09	
GP-30B	4/25/2017 14:27	0.0	0.5	19.8	0	-0.39	
GP-31A	4/25/2017 14:29	0.0	0.0	0.0	0	2.56	No Reading, Water
GP-31B	4/25/2017 14:31	0.0	0.2	17.0	0	0.69	
GP-31C	4/25/2017 14:33	0.0	0.2	20.2	0	0.07	
GP-32A	4/25/2017 14:36	0.0	1.0	17.1	0	0.06	
GP-32B	4/25/2017 14:38	0.0	0.1	20.3	0	0.15	
GP-32C	4/25/2017 14:40	0.0	0.2	20.3	0	0.09	
GP-33A	4/25/2017 14:44	0.0	0.3	20.1	0	-2.91	
GP-33B	4/25/2017 14:45	0.0	0.1	20.5	0	0.09	
GP-33C	4/25/2017 14:47	0.0	0.1	20.5	0	-0.89	
GP-34A	4/25/2017 14:50	0.0	0.0	0.0	0	0.15	No Reading, Water

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34B	4/25/2017 14:52	0.0	0.1	20.4	0	0.17	
GP-34C	4/25/2017 14:53	0.0	0.1	19.9	0	0.11	
GP-35A	4/25/2017 14:56	0.0	0.1	20.5	0	0.09	
GP-35B	4/25/2017 14:58	0.0	0.0	20.5	0	0.19	
GP-35C	4/25/2017 14:59	0.0	0.1	20.2	0	0.04	
GP-36A	4/25/2017 15:02	0.0	0.2	11.9	0	0.28	
GP-36B	4/25/2017 15:03	0.0	0.0	0.0	0	-5.24	No Reading, Water
GP-36C	4/25/2017 15:05	0.0	0.2	13.3	0	0.55	
GP-37A	4/25/2017 15:09	0.0	0.0	0.0	0	0.74	No Reading, Water
GP-37B	4/25/2017 15:11	0.0	0.1	20.2	0	0.49	
GP-37C	4/25/2017 15:13	0.0	0.7	1.9	0	0.54	
GP-39	4/25/2017 15:18	0.0	1.7	17.6	0	0.72	
GP-40	4/25/2017 15:22	0.0	0.0	17.1	0	0.09	
GP-41A	4/25/2017 15:27	0.0	0.1	20.5	0	0.03	
GP-41B	4/25/2017 15:28	0.0	0.1	20.5	0	0.13	
GP-41C	4/25/2017 15:30	0.0	0.1	20.6	0	0.12	
GP-42A	4/25/2017 15:33	0.0	0.0	0.0	0	0.26	No Reading, Water
GP-42B	4/25/2017 15:34	0.0	0.6	17.6	0	0.58	
GP-43A	4/25/2017 15:38	0.0	0.1	20.3	0	0.23	
GP-43B	4/25/2017 15:39	0.0	0.1	20.5	0	0.09	
GP-43C	4/25/2017 15:41	0.0	0.1	18.0	0	0.17	
GP-44A	4/25/2017 15:45	0.0	0.0	20.6	0	0.13	
GP-44B	4/25/2017 15:46	0.0	1.0	7.2	0	0.06	
GP-44C	4/25/2017 15:48	0.0	0.0	20.5	0	0.07	
GP-45D	4/25/2017 7:56	0.0	0.1	21.0	0	-0.65	
GP-45I	4/25/2017 7:54	0.0	0.1	20.9	0	0	
GP-45S	4/25/2017 7:53	0.0	0.1	20.9	0	0.01	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	5/17/2017 7:06	0.0	0.2	21.0	0	0.02	
ATC-01S	5/17/2017 7:05	0.0	0.1	21.0	0	-0.01	
ATC-06D	5/17/2017 8:07	0.0	1.0	9.0	0	0.02	
ATC-06S	5/17/2017 8:05	0.0	0.2	21.0	0	-0.58	No Reading, Water
ATC-08D	5/17/2017 7:56	0.0	0.2	21.0	0	-0.05	
ATC-08S	5/17/2017 7:56	0.0	0.2	21.0	0	-0.37	
GP-11A	5/17/2017 6:50	0.0	0.2	21.0	0	-0.02	
GP-11B	5/17/2017 6:52	0.0	0.2	21.0	0	-0.86	
GP-11C	5/17/2017 6:53	0.0	0.2	21.0	0	-1.76	
GP-11D	5/17/2017 6:54	0.0	0.2	21.0	0	0.02	
GP-12A	5/17/2017 7:12	0.0	0.2	21.0	0	0	
GP-12B	5/17/2017 7:13	0.0	0.1	21.0	0	-0.01	
GP-12C	5/17/2017 7:14	0.0	0.2	18.4	0	-2.85	
GP-12D	5/17/2017 7:15	0.0	0.5	17.0	0	-1.32	
GP-13A	5/17/2017 7:18	0.0	0.1	20.4	0	-0.06	
GP-13B	5/17/2017 7:19	0.0	0.1	21.0	0	0.02	
GP-13C	5/17/2017 7:20	0.0	0.1	21.0	0	0.02	
GP-13D	5/17/2017 7:21	0.0	0.1	21.0	0	-2.27	
GP-14A	5/17/2017 7:25	0.0	0.1	21.0	0	-0.52	
GP-14B	5/17/2017 7:26	0.0	0.1	21.0	0	-0.54	
GP-15A	5/17/2017 7:48	0.0	0.6	19.5	0	0	No Reading, Water
GP-15C	5/17/2017 7:49	0.0	0.2	21.0	0	-1.2	
GP-15D	5/17/2017 7:50	0.0	0.2	21.0	0	-1.34	
GP-16A	5/17/2017 7:59	0.0	0.4	21.0	0	-1.16	
GP-16B	5/17/2017 8:00	0.0	0.2	21.0	0	-0.73	
GP-16C	5/17/2017 8:01	0.0	0.2	21.0	0	-2.58	
GP-17A	5/17/2017 10:05	0.0	0.5	20.7	0	0.03	No Reading, Water
GP-17B	5/17/2017 10:06	0.0	0.6	19.6	0	0.03	
GP-17C	5/17/2017 10:07	0.0	0.1	19.8	0	-2.86	
GP-18A	5/17/2017 10:09	0.0	0.2	20.6	0	0.15	No Reading, Water
GP-18B	5/17/2017 10:11	0.0	0.4	16.1	0	0.06	
GP-18C	5/17/2017 10:12	0.0	0.2	18.2	0	-2.97	
GP-19A	5/17/2017 10:14	0.0	0.1	20.4	0	0.13	
GP-19B	5/17/2017 10:16	0.0	0.7	16.6	0	0.05	
GP-19C	5/17/2017 10:17	0.0	0.1	19.7	0	-0.02	
GP-20A	5/17/2017 10:21	0.0	0.1	20.7	0	0.04	
GP-20B	5/17/2017 10:22	0.0	0.3	18.1	0	0.02	
GP-20C	5/17/2017 10:23	0.0	0.4	16.2	0	0.06	
GP-21A	5/17/2017 10:25	0.0	0.1	20.5	0	0.04	
GP-21B	5/17/2017 10:27	0.0	0.2	12.4	0	0.11	
GP-21C	5/17/2017 10:27	0.0	0.2	10.4	0	0.48	No Reading, Water
GP-22A	5/17/2017 10:30	0.0	0.8	19.9	0	1.18	
GP-22C	5/17/2017 10:31	0.0	1.1	4.8	0	-2.81	
GP-23A	5/17/2017 10:36	0.0	0.1	19.4	0	0.02	
GP-23B	5/17/2017 10:37	0.0	0.1	20.9	0	0.01	
GP-23C	5/17/2017 10:38	0.0	0.1	21.0	0	0.01	
GP-24A	5/17/2017 10:41	0.0	4.4	8.7	0	0.04	
GP-24B	5/17/2017 10:42	0.0	0.4	18.9	0	0.07	
GP-25	5/17/2017 10:44	0.0	3.4	13.9	0	0.07	
GP-26	5/17/2017 10:46	0.0	0.8	17.7	0	-0.08	
GP-27	5/17/2017 10:49	0.0	6.9	9.8	0	0.03	
GP-29A	5/17/2017 10:53	0.0	1.2	17.3	0	0.02	
GP-29B	5/17/2017 10:54	0.0	0.6	20.4	0	0.03	
GP-30A	5/17/2017 11:53	0.0	2.4	15.4	0	0.16	
GP-30B	5/17/2017 11:55	0.0	0.5	18.8	0	-2.47	
GP-31A	5/17/2017 11:57	0.0	0.8	18.6	0	-1.04	No Reading, Water
GP-31B	5/17/2017 11:58	0.0	0.1	19.7	0	-2.47	
GP-31C	5/17/2017 11:59	0.0	0.2	20.0	0	0.06	
GP-32A	5/17/2017 12:02	0.0	1.2	18.6	0	0.05	
GP-32B	5/17/2017 12:03	0.0	0.2	18.7	0	-0.02	
GP-32C	5/17/2017 12:04	0.0	0.3	20.2	0	0.04	
GP-33A	5/17/2017 12:06	0.0	0.8	20.1	0	5.15	
GP-33B	5/17/2017 12:08	0.0	0.1	20.3	0	0.06	
GP-33C	5/17/2017 12:09	0.0	0.1	20.5	0	-3.29	
GP-34A	5/17/2017 12:10	0.0	0.1	20.6	0	0.03	No Reading, Water

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34B	5/17/2017 12:12	0.0	0.1	19.8	0	-0.19	
GP-34C	5/17/2017 12:13	0.0	0.1	20.6	0	-2.75	
GP-35A	5/17/2017 12:15	0.0	0.1	20.6	0	0.06	
GP-35B	5/17/2017 12:16	0.0	0.1	20.6	0	0.05	
GP-35C	5/17/2017 12:17	0.0	0.1	20.7	0	0.05	
GP-36A	5/17/2017 12:20	0.0	0.1	20.7	0	0.05	
GP-36B	5/17/2017 12:21	0.0	0.1	20.7	0	0.14	No Reading, Water
GP-36C	5/17/2017 12:22	0.0	0.2	20.2	0	-1.5	
GP-37A	5/17/2017 12:28	0.0	0.2	20.5	0	0.69	No Reading, Water
GP-37B	5/17/2017 12:28	0.0	0.2	20.2	0	0.1	
GP-37C	5/17/2017 12:29	0.0	0.1	20.3	0	-3.08	
GP-39	5/17/2017 12:34	0.0	1.1	18.7	0	0.04	
GP-40	5/17/2017 12:36	0.0	0.2	17.8	0	0.06	
GP-41A	5/17/2017 12:40	0.0	0.1	20.4	0	0.04	
GP-41B	5/17/2017 12:41	0.0	0.1	20.4	0	0.1	
GP-41C	5/17/2017 12:42	0.0	0.1	20.7	0	0.04	
GP-42A	5/17/2017 12:45	0.0	0.1	20.8	0	-1.9	No Reading, Water
GP-42B	5/17/2017 12:46	0.0	0.3	20.6	0	-1.73	
GP-43A	5/17/2017 12:49	0.0	0.4	19.2	0	0.11	
GP-43B	5/17/2017 12:50	0.0	0.1	20.7	0	0.04	
GP-43C	5/17/2017 12:52	0.0	0.1	20.9	0	0.01	
GP-44A	5/17/2017 12:55	0.0	0.1	20.8	0	0.07	
GP-44B	5/17/2017 12:56	0.0	0.4	17.1	0	-2.63	
GP-44C	5/17/2017 12:58	0.0	0.1	20.3	0	0.07	
GP-45D	5/17/2017 6:58	0.0	0.1	21.0	0	-1.27	
GP-45I	5/17/2017 6:57	0.0	0.1	21.0	0	-0.07	
GP-45S	5/17/2017 6:55	0.0	0.1	21.0	0	-0.02	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	6/13/2017 8:51	0.0	0.4	20.7	0	0.02	
ATC-01S	6/13/2017 8:50	0.0	0.2	20.8	0	-0.01	
ATC-06D	6/13/2017 9:50	0.0	0.6	12.6	0	-0.1	
ATC-06S	6/13/2017 9:49	0.0	2.0	18.5	0	0.02	
ATC-08D	6/13/2017 9:41	0.0	2.0	19.2	0	-0.03	
ATC-08S	6/13/2017 9:39	0.0	0.2	21.0	0	-0.05	
GP-11A	6/13/2017 8:36	0.0	0.4	20.9	0	-0.05	
GP-11B	6/13/2017 8:37	0.0	0.2	20.9	0	-0.42	
GP-11C	6/13/2017 8:39	0.0	0.1	20.9	0	-0.6	
GP-11D	6/13/2017 8:40	0.0	0.1	21.0	0	0.01	
GP-12A	6/13/2017 8:57	0.0	0.2	20.9	0	0.02	
GP-12B	6/13/2017 8:58	0.0	0.1	21.0	0	0	
GP-12C	6/13/2017 9:00	0.0	0.2	18.9	0	-6.26	
GP-12D	6/13/2017 9:01	0.0	0.2	20.9	0	0.03	
GP-13A	6/13/2017 9:04	0.0	1.1	19.4	0	0	
GP-13B	6/13/2017 9:05	0.0	0.2	20.6	0	0.01	
GP-13C	6/13/2017 9:07	0.0	0.1	21.0	0	-0.03	
GP-13D	6/13/2017 9:08	0.0	0.1	21.0	0	-1.86	
GP-14A	6/13/2017 9:11	0.0	0.1	21.0	0	-0.57	
GP-14B	6/13/2017 9:12	0.0	0.1	21.0	0	-0.51	
GP-15A	6/13/2017 9:32	0.0	0.5	20.9	0	0.02	
GP-15C	6/13/2017 9:33	0.0	0.2	21.0	0	-0.09	
GP-15D	6/13/2017 9:35	0.0	0.2	21.0	0	-1.05	
GP-16A	6/13/2017 9:43	0.0	3.4	14.1	0	0.01	
GP-16B	6/13/2017 9:44	0.0	0.2	20.2	0	-0.99	
GP-16C	6/13/2017 9:45	0.0	0.2	21.0	0	-2.27	
GP-17A	6/13/2017 10:46	0.0	0.0	0.0	0	0	No Reading, Water
GP-17B	6/13/2017 10:48	0.0	0.8	18.8	0	0.04	
GP-17C	6/13/2017 10:49	0.0	0.1	20.2	0	-1.95	
GP-18A	6/13/2017 10:52	0.0	1.7	14.1	0	-4.34	
GP-18B	6/13/2017 10:54	0.0	0.4	14.7	0	0.06	
GP-18C	6/13/2017 10:55	0.0	0.2	19.8	0	-2.18	
GP-19A	6/13/2017 10:59	0.0	0.1	20.5	0	-0.03	
GP-19B	6/13/2017 11:00	0.0	0.7	17.3	0	0.06	
GP-19C	6/13/2017 11:01	0.0	0.1	20.3	0	-0.15	
GP-20A	6/13/2017 11:04	0.0	0.1	20.7	0	0.04	
GP-20B	6/13/2017 11:06	0.0	0.3	16.8	0	0	
GP-20C	6/13/2017 11:07	0.0	0.3	8.7	0	0.16	
GP-21A	6/13/2017 11:10	0.0	0.1	20.1	0	0.02	
GP-21B	6/13/2017 11:11	0.0	0.2	12.6	0	0.12	
GP-21C	6/13/2017 11:12	0.0	0.0	0.0	0	0	No Reading, Water
GP-22A	6/13/2017 11:16	0.0	2.5	13.3	0	0.03	
GP-22C	6/13/2017 11:18	0.0	1.4	3.3	0	-1.9	
GP-23A	6/13/2017 11:23	0.0	0.1	20.3	0	0.03	
GP-23B	6/13/2017 11:24	0.0	0.1	20.8	0	0.01	
GP-23C	6/13/2017 11:25	0.0	0.1	20.9	0	0.01	
GP-24A	6/13/2017 11:28	0.0	5.4	9.5	0	-0.03	
GP-24B	6/13/2017 11:29	0.0	0.2	19.9	0	0.02	
GP-25	6/13/2017 11:32	0.0	3.6	15.6	0	0.06	
GP-26	6/13/2017 11:35	0.0	0.6	19.6	0	-0.57	
GP-27	6/13/2017 11:39	0.0	7.8	9.6	0	0.04	
GP-29A	6/13/2017 11:43	0.0	1.3	17.9	0	0	
GP-29B	6/13/2017 11:45	0.0	0.8	20.4	0	0.03	
GP-30A	6/13/2017 12:56	0.0	2.6	17.7	0	-0.02	
GP-30B	6/13/2017 12:57	0.0	0.1	19.5	0	-0.65	
GP-31A	6/13/2017 13:01	0.0	0.0	0.0	0	0	No Reading, Water
GP-31B	6/13/2017 13:03	0.0	0.2	19.7	0	-0.68	
GP-31C	6/13/2017 13:04	0.0	0.4	19.5	0	0.21	
GP-32A	6/13/2017 13:06	0.0	0.1	20.2	0	0.06	
GP-32B	6/13/2017 13:07	0.0	0.2	20.3	0	0.03	
GP-32C	6/13/2017 13:08	0.0	0.3	20.2	0	0.04	
GP-33A	6/13/2017 13:12	0.0	2.0	17.7	0	0.05	
GP-33B	6/13/2017 13:14	0.0	0.1	20.3	0	0.09	
GP-33C	6/13/2017 13:15	0.0	0.1	20.5	0	-1.26	
GP-34A	6/13/2017 13:17	0.0	0.0	0.0	0	0	No Reading, Water

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2017 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-34B	6/13/2017 13:19	0.0	0.1	20.6	0	0.02	
GP-34C	6/13/2017 13:20	0.0	0.1	20.6	0	-1.94	
GP-35A	6/13/2017 13:23	0.0	0.1	20.7	0	0.07	
GP-35B	6/13/2017 13:24	0.0	0.1	20.7	0	0.05	
GP-35C	6/13/2017 13:25	0.0	0.1	20.5	0	0.06	
GP-36A	6/13/2017 13:28	0.0	0.3	5.3	0	0.27	
GP-36B	6/13/2017 13:30	0.0	0.1	19.9	0	0.09	
GP-36C	6/13/2017 13:31	0.0	0.2	20.4	0	-1	
GP-37A	6/13/2017 13:33	0.0	0.0	0.0	0	0	No Reading, Water
GP-37B	6/13/2017 13:34	0.0	0.1	19.1	0	0.35	Flow failure
GP-37C	6/13/2017 13:36	0.0	0.6	3.2	0	-1.63	
GP-39	6/13/2017 13:42	0.0	1.4	17.2	0	0.03	
GP-40	6/13/2017 13:45	0.0	0.2	17.7	0	0.07	
GP-41A	6/13/2017 13:56	0.0	0.1	20.3	0	0.05	
GP-41B	6/13/2017 13:58	0.0	0.2	19.8	0	0.14	
GP-41C	6/13/2017 13:59	0.0	0.1	20.7	0	0.06	
GP-42A	6/13/2017 14:02	0.0	0.0	0.0	0	0	No Reading, Water
GP-42B	6/13/2017 14:03	0.0	0.4	20.3	0	-0.46	
GP-43A	6/13/2017 14:10	0.0	0.3	19.4	0	0.54	Flow failure
GP-43B	6/13/2017 14:12	0.0	0.1	20.8	0	0.07	
GP-43C	6/13/2017 14:13	0.0	0.1	20.9	0	0.07	
GP-44A	6/13/2017 14:17	0.0	0.1	20.9	0	0.11	
GP-44B	6/13/2017 14:18	0.0	0.2	20.7	0	-0.6	
GP-44C	6/13/2017 14:20	0.0	0.1	20.9	0	0.03	
GP-45D	6/13/2017 8:43	0.0	0.1	21.0	0	-0.66	
GP-45I	6/13/2017 8:42	0.0	0.1	21.0	0	-0.02	
GP-45S	6/13/2017 8:41	0.0	0.1	21.0	0	-0.01	

SECOND QUARTER BUILDING MONITORING

 King County	INSTRUMENT: Place check by instrument used :				WEATHER: 1 MPH NE	DATE: 04/03/17 TECH: DNS
	Foxboro TVA 1000 (sn. 301)					
	Foxboro TVA 1000 (sn. 732)					
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	BAR PRESS (in. Hg)	TIME	REMARKS
GOC- 04/03/17	1	FRONT OFFICE	0	30.25	12:05 PM	
GCR- 04/03/17	2	CONF ROOM	0	30.25	12:08 PM	
GAO- 04/03/17	3	PAYROLL OFFICE	0	30.25	12:10 PM	
GEO- 04/03/17	4	ENGR. OFFICE	0	30.25	12:12 PM	
GLRC- 04/03/17	5	LUNCHROOM	0	30.25	12:15 PM	
GSPC 04/03/17		SPOC	0	30.25	12:45 PM	
GELO- 04/03/17 A	6A	DRY STORAGE	0	30.25	12:42 PM	
GELO- 04/03/17 B	6B	ELECTRICIAN OFFICE	0	30.25	12:40 PM	
GAP- 04/03/17		ACCOUNT PAYABLE	0	30.25	12:39 PM	
GSO- 04/03/17 A	7A	SHOP OFFICE	0	30.25	12:30 PM	
GPR- 04/03/17 B	7B	PARTS ROOM	0	30.25	12:31 PM	
GMS- 04/03/17 C	7C	SHOP PIT AREA/BAY	0	30.25	12:33 PM	
GTB- 04/03/17 D	7D	SHOP TIRE BAY	0	30.25	12:35 PM	
GEW- 04/03/17 E	7E	EAST WELD SHOP	0	30.25	12:36 PM	
GWW- 04/03/17 F	7F	WEST WELD SHOP	0	30.25	12:38 PM	
GCS- 04/03/17	8	CARPENTER'S	0	30.25	12:45 PM	
GSS- 04/03/17	9	WASTEWATER	0	30.25	12:47 PM	
GSS- 04/03/17 B	9B	CARPENTER/STORAGE	0	30.25	12:49 PM	
GSH- 04/03/17	10	SCALEHOUSE	0	30.25	12:38 PM	
GB13- 04/03/17	13	WW COMPRESSOR	0	30.25	2:23 PM	
GB16- 04/03/17	16	GENERATOR	0	30.25	2:13 PM	
GB19- 04/03/17	19	LEPS (P.S.# 5)	0	30.25	1:16 PM	
GB19- 04/03/17 B	19B	LEPS/H ₂ O ₂ ROOM	0	30.25	1:18 PM	
GB20- 04/03/17	20	LEPS ELEC PANALS	0	30.25	1:20 PM	
GB21- 04/03/17	21	STORAGE(OLD PS 1)	0	30.25	1:50 PM	
GB22- 04/03/17	22	STORAGE/N FLARE	0	30.25	2:30 PM	
GB23- 04/03/17	23	LFGAS	0	30.25	2:33 PM	
GB24- 04/03/17	24	NE GENERATOR BLDG	0	30.25	1:36 PM	
GBWW- 04/03/17	30	WOMEN BRK RM	0	30.25	12:43 PM	
GPWT- 04/03/17	PW	PRESSURE WASH RM	0	30.25	12:28 PM	
GBRR- 04/03/17	RR	TRUCKWASH RR W	0	30.25	12:25 PM	
GBSS- 04/03/17	SS	TRUCKWASH RR E	0	30.25	12:22 PM	
GBZZ- 04/03/17	29	MANAGERS TRAILER	0	30.25	12:13 PM	
GBPT- 04/03/17		CCG FASTER	0	30.25	12:17 PM	
GCLS- 04/03/17		CHLORINE SHED	0	30.25	12:32 PM	

SECOND QUARTER BUILDING MONITORING

 King County	INSTRUMENT: Place check by instrument used :				WEATHER: Mostly Cloudy		DATE: 04/28/17 TECH: BL
	Foxboro TVA 1000 (sn. 301)						
	Foxboro TVA 1000 (sn. 732)						
				X			
ENVIS ID		BLDG #	DESCRIPTION	CH ₄ (ppm)	BAR PRESS (in. Hg)	TIME	REMARKS
GOC- 04/28/17		1	FRONT OFFICE	0	30.28	11:13am	
GCR- 04/28/17		2	CONF ROOM	0	30.28	11:11am	
GAO- 04/28/17		3	PAYROLL OFFICE	0	30.28	11:09am	
GEO- 04/28/17		4	ENGR. OFFICE	0	30.28	11:08am	
GLRC- 04/28/17		5	LUNCHROOM	0	30.28	11:15am	
GSPC 04/28/17			SPOC	0	30.28	11:33am	
GELO- 04/28/17 A		6A	DRY STORAGE	0	30.28	11:34am	
GELO- 04/28/17 B		6B	ELECTRICIAN OFFICE	0	30.28	11:36am	
GAP- 04/28/17			ACCOUNT PAYABLE	0	30.28	11:37am	
GSO- 04/28/17 A		7A	SHOP OFFICE	0	30.28	11:32am	
GPR- 04/28/17 B		7B	PARTS ROOM	0	30.28	11:33am	
GMS- 04/28/17 C		7C	SHOP PIT AREA/BAY	0	30.28	11:32am	
GTB- 04/28/17 D		7D	SHOP TIRE BAY	0	30.28	11:31am	
GEW- 04/28/17 E		7E	EAST WELD SHOP	0	30.28	11:24am	
GWW- 04/28/17 F		7F	WEST WELD SHOP	0	30.28	11:25am	
GCS- 04/28/17		8	CARPENTER'S	0	30.28	11:27am	
GSS- 04/28/17		9	WASTEWATER	0	30.28	11:28am	
GSS- 04/28/17 B		9B	CARPENTER/STORAGE	0	30.28	11:28am	
GSH- 04/28/17		10	SCALEHOUSE	0	30.28	11:12am	
GB13- 04/28/17		13	WW COMPRESSOR	0	30.28	11:42am	
GB16- 04/28/17		16	GENERATOR	0	30.28	11:46am	
GB19- 04/28/17		19	LEPS (P.S.# 5)	0	30.28	11:46am	
GB19- 04/28/17 B		19B	LEPS/H ₂ O ₂ ROOM	0	30.28	11:47am	
GB20- 04/28/17		20	LEPS ELEC PANALS	0	30.28	11:47am	
GB21- 04/28/17		21	STORAGE(OLD PS 1)	0	30.28	11:55am	
GB22- 04/28/17		22	STORAGE/N FLARE	0	30.28	12:03pm	
GB23- 04/28/17		23	LFGAS	0	30.28	12:04pm	
GB24- 04/28/17		24	NE GENERATOR BLDG	0	30.28	11:59am	
GBWW- 04/28/17		30	WOMEN BRK RM	0	30.28	11:35am	
GPWT- 04/28/17		PW	PRESSURE WASH RM	0	30.28	11:20am	
GBRR- 04/28/17		RR	TRUCKWASH RR W	0	30.28	11:21am	
GBSS- 04/28/17		SS	TRUCKWASH RR E	0	30.28	11:21am	
GBZZ- 04/28/17		29	MANAGERS TRAILER	0	30.28	11:17am	
GBPT- 04/28/17			CCG FASTER	0	30.28	11:06am	
GCLS- 04/28/17			CHLORINE SHED	0	30.28	11:19am	

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

Probe ID	Date	Time	Barometric		CH ₄ % Vol	CO ₂ % Vol	O ₂ % Vol	Static	Comments
			Pressure in Hg					Pressure in INWC	
MGPW 1700	4/20/2017	11:19am	30.17		0.0	0.0	20.4	-0.11	
MGPW 1700	4/28/2017	3:38pm	30.28		0.0	0.0	19.2	0	
MGPW 1700	5/8/2017	8:11am	30.17		0.0	0.3	19.3	0	
MGPW 1700	5/25/2017	10:48am	29.92		0.2	0.3	18.8	0	
MGPW 1700	6/16/2017	10:23am	30		0.4	0.6	19.1	-0.9	
MGPW 1700	6/30/2017	1:39pm	30.00		0.6	0.6	19.0	0	
MGPW 1708	4/20/2017	11:22am	30.17		0.0	0.0	20.6	-3.55	
MGPW 1708	4/28/2017	3:36pm	30.28		0.0	0.0	19.1	-3.15	
MGPW 1708	5/8/2017	8:15am	30.17		0.0	0.2	21.0	-1.95	
MGPW 1708	5/25/2017	10:53am	29.92		0.0	0.1	20.4	-0.64	
MGPW 1708	6/16/2017	10:21am	30		0.0	0.0	20.2	-2.35	
MGPW 1708	6/30/2017	1:36pm	30.00		0.0	0.0	20.1	-0.68	
MGPW 1710S	4/20/2017	11:27am	30.17		0.0	0.0	20.6	-3.27	
MGPW 1710S	4/28/2017	3:32pm	30.28		0.0	0.0	19.0	-2.84	
MGPW 1710S	5/8/2017	8:38am	30.17		0.0	0.1	21.0	-1.74	
MGPW 1710S	5/25/2017	10:59am	29.92		0.0	0.2	20.2	-0.53	
MGPW 1710S	6/16/2017	10:17am	30.00		0.0	0.2	20.1	-2.17	
MGPW 1710S	6/30/2017	1:33pm	30		0.0	0.0	20.4	-0.64	
MGPW 1710D	4/20/2017	11:29am	30.17		0.0	0.0	20.7	-3.39	
MGPW 1710D	4/28/2017	3:34pm	30.28		0.0	0.0	19.2	-2.99	
MGPW 1710D	5/8/2017	8:40am	30.17		0.0	0.1	21.0	-1.82	
MGPW 1710D	5/25/2017	11:02am	29.92		0.0	0.1	20.5	-0.54	
MGPW 1710D	6/16/2017	10:18am	30		0.0	0.0	20.3	-2.6	
MGPW 1710D	6/30/2017	1:34pm	30.00		0.0	0.0	20.4	-0.61	
MGPW 1714	4/20/2017	11:33am	30.17		0.0	0.0	20.7	-3.24	
MGPW 1714	4/28/2017	3:30pm	30.28		0.0	0.0	18.6	-2.79	
MGPW 1714	5/8/2017	8:43am	30.17		0.0	0.1	21.0	-1.66	
MGPW 1714	5/25/2017	11:05am	29.92		0.0	0.1	20.6	-0.56	
MGPW 1714	6/16/2017	10:14am	30.00		0.0	0.2	20.1	-1.95	
MGPW 1714	6/30/2017	1:30pm	30.00		0.0	0.0	20.6	-0.58	

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
4/1/2017 0:00	4.674	159.2	8.22	8.96	29.97	0
4/1/2017 0:15	5.053	171.6	11.31	8.92	29.97	0
4/1/2017 0:30	4.74	139.8	14.59	8.93	29.97	0
4/1/2017 0:45	3.224	174.5	24.94	8.98	29.97	0
4/1/2017 1:00	4.512	167.1	12.58	9.06	29.96	0
4/1/2017 1:15	4.239	164.6	12.95	8.88	29.96	0
4/1/2017 1:30	3.963	175.7	28.04	8.8	29.96	0
4/1/2017 1:45	4.995	165.8	14.55	8.56	29.96	0
4/1/2017 2:00	5.297	158.6	9.48	8.97	29.94	0
4/1/2017 2:15	6.81	155.5	10.85	8.99	29.94	0
4/1/2017 2:30	5.776	192.9	11.9	8.89	29.94	0
4/1/2017 2:45	6.075	185	12.27	8.63	29.94	0
4/1/2017 3:00	6.563	158.4	15.87	8.56	29.94	0
4/1/2017 3:15	5.088	165	11.99	8.91	29.94	0
4/1/2017 3:30	5.367	189.6	11.03	8.91	29.94	0
4/1/2017 3:45	5.68	163.7	19.67	8.56	29.94	0
4/1/2017 4:00	6.015	152.9	7.348	8.71	29.92	0
4/1/2017 4:15	4.591	143.5	12.45	8.95	29.92	0
4/1/2017 4:30	4.131	242.5	15.32	8.89	29.92	0
4/1/2017 4:45	3.638	226.6	20.21	8.63	29.92	0
4/1/2017 5:00	6.207	223.5	5.283	8.9	29.92	0
4/1/2017 5:15	8.05	231.9	6.013	8.96	29.92	0
4/1/2017 5:30	6.646	233.5	6.112	8.72	29.92	0
4/1/2017 5:45	6.33	228.9	10.1	8.48	29.92	0
4/1/2017 6:00	5.899	192.9	14.46	8.16	29.93	0
4/1/2017 6:15	6.526	164.1	12.06	8.03	29.93	0
4/1/2017 6:30	6.907	154.9	8.75	7.708	29.93	0.01
4/1/2017 6:45	5.778	139.3	12.41	7.401	29.93	0.02
4/1/2017 7:00	3.465	134.9	18.03	7.131	29.94	0.03
4/1/2017 7:15	2.69	135.3	14.77	7.14	29.94	0.04
4/1/2017 7:30	5.089	135.8	8.56	7.171	29.94	0.03
4/1/2017 7:45	3.984	132.7	9.75	7.225	29.94	0.03
4/1/2017 8:00	5.569	129.3	9.8	7.32	29.94	0.02
4/1/2017 8:15	5.648	129.9	10.14	7.36	29.94	0.02
4/1/2017 8:30	4.47	162.6	21.06	7.492	29.94	0.01
4/1/2017 8:45	3.531	153.9	21.84	7.587	29.94	0.01
4/1/2017 9:00	2.554	124.2	28.26	7.566	29.98	0
4/1/2017 9:15	3.748	147.6	19.08	7.585	29.98	0
4/1/2017 9:30	5.06	187.8	20.75	7.719	29.98	0
4/1/2017 9:45	5.536	200.4	7.278	7.748	29.98	0.01
4/1/2017 10:00	4.757	204.7	15.48	7.724	30	0
4/1/2017 10:15	3.964	244.3	15.82	7.819	30	0.01
4/1/2017 10:30	2.263	266.9	11.22	7.901	30	0.01
4/1/2017 10:45	1.211	215.6	51.15	7.946	30	0
4/1/2017 11:00	3.676	136.2	9.5	8.16	30.01	0
4/1/2017 11:15	2.132	126.3	16.12	8.17	30.01	0.01
4/1/2017 11:30	1.064	199	25.17	8.31	30.01	0
4/1/2017 11:45	3.812	190.5	10.95	8.41	30.01	0
4/1/2017 12:00	2.6	200.4	20.51	8.42	30.01	0
4/1/2017 12:15	2.864	230	18.21	8.57	30.01	0
4/1/2017 12:30	2.651	222.7	19.69	8.76	30.01	0
4/1/2017 12:45	3.241	244.8	24.19	8.93	30.01	0
4/1/2017 13:00	3.408	226.3	15.6	8.92	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
4/1/2017 13:15	2.655	249.1	34.5	9.12	30.02	0
4/1/2017 13:30	1.079	311.5	47.22	9.22	30.02	0
4/1/2017 13:45	1.481	290.7	14.75	9.3	30.02	0
4/1/2017 14:00	1.887	274.9	23.54	9.67	30.02	0
4/1/2017 14:15	3.834	270.9	18.05	9.86	30.02	0
4/1/2017 14:30	3.368	264.1	15.93	10.08	30.02	0
4/1/2017 14:45	3.159	266.8	27.44	10.39	30.02	0
4/1/2017 15:00	1.913	134.9	83.7	10.5	30.04	0
4/1/2017 15:15	3.271	92.5	10.45	9.88	30.04	0
4/1/2017 15:30	3.192	77.41	15.65	9.99	30.04	0
4/1/2017 15:45	1.936	72.64	2.349	9.91	30.04	0
4/1/2017 16:00	2.315	76.01	8.73	9.9	30.03	0
4/1/2017 16:15	2.36	92.2	9.68	9.88	30.03	0
4/1/2017 16:30	1.992	115	9.74	9.93	30.03	0
4/1/2017 16:45	3.516	98.7	3.756	9.89	30.03	0
4/1/2017 17:00	4.478	84.3	7.751	9.84	30.02	0
4/1/2017 17:15	2.307	74.01	8.12	9.94	30.02	0
4/1/2017 17:30	1.056	68.78	0.151	10.26	30.02	0
4/1/2017 17:45	1.223	74.82	1.729	10.6	30.02	0
4/1/2017 18:00	2.212	191.5	61.64	10.54	30.03	0
4/1/2017 18:15	2.705	187.1	36.81	10.33	30.03	0
4/1/2017 18:30	2.273	105.8	1.711	9.87	30.03	0
4/1/2017 18:45	3.238	88.3	14.67	9.75	30.03	0
4/1/2017 19:00	2.153	94.2	14.77	9.57	30.03	0
4/1/2017 19:15	2.336	76.33	22.03	9.65	30.03	0
4/1/2017 19:30	2.837	50.25	15.54	9.26	30.03	0
4/1/2017 19:45	2.309	84.3	18.11	8.93	30.03	0
4/1/2017 20:00	2.155	42.11	15.08	9.16	30.03	0
4/1/2017 20:15	1.649	23.01	18.6	9.52	30.03	0
4/1/2017 20:30	0.888	346.5	0.882	9.39	30.03	0
4/1/2017 20:45	2.13	242.8	21.69	9.25	30.03	0
4/1/2017 21:00	2.296	241.6	77.41	9.23	30.06	0
4/1/2017 21:15	3.227	7.808	82.8	8.4	30.06	0
4/1/2017 21:30	8.46	254.4	10.4	8.38	30.06	0.02
4/1/2017 21:45	7.552	252.7	10.01	8.05	30.06	0
4/1/2017 22:00	5.453	241	14.79	7.905	30.07	0
4/1/2017 22:15	2.989	233.6	43.89	7.813	30.07	0
4/1/2017 22:30	3.07	259	29.01	7.771	30.07	0
4/1/2017 22:45	2.966	280.7	19.53	7.72	30.07	0
4/1/2017 23:00	2.376	259	53.82	7.614	30.08	0
4/1/2017 23:15	6.89	189.1	10.82	7.325	30.08	0.01
4/1/2017 23:30	9.06	182.4	8.65	6.999	30.08	0.01
4/1/2017 23:45	7.638	188.2	9.34	6.907	30.08	0
4/2/2017 0:00	5.942	180.8	11.67	6.771	30.09	0
4/2/2017 0:15	5.033	163.5	9.98	6.487	30.09	0.01
4/2/2017 0:30	6.489	183.9	10.6	6.614	30.09	0
4/2/2017 0:45	7.361	188.6	11.52	6.54	30.09	0
4/2/2017 1:00	5.253	173	15.26	6.35	30.11	0
4/2/2017 1:15	4.749	141.8	7.634	6.134	30.11	0
4/2/2017 1:30	4.788	145.7	9.46	6.022	30.11	0
4/2/2017 1:45	4.567	155.8	10.48	5.941	30.11	0
4/2/2017 2:00	2.383	142.2	11.81	5.785	30.12	0.01
4/2/2017 2:15	2.679	166.8	27.9	5.819	30.12	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
4/2/2017 2:30	3.845	196.7	37.36	5.69	30.12	0.01
4/2/2017 2:45	4.704	357.2	26.31	5.468	30.12	0.02
4/2/2017 3:00	7.505	108.2	86.9	5.096	30.1	0.04
4/2/2017 3:15	9.01	159.8	13.29	4.944	30.1	0
4/2/2017 3:30	4.376	93.1	21.32	4.749	30.1	0
4/2/2017 3:45	2.494	52.55	12.15	4.513	30.1	0
4/2/2017 4:00	2.592	99.1	30.44	4.662	30.11	0
4/2/2017 4:15	4.644	144.5	10.16	4.683	30.11	0
4/2/2017 4:30	3.402	114.8	7.973	4.467	30.11	0
4/2/2017 4:45	3.006	114.8	6.939	4.26	30.11	0
4/2/2017 5:00	3.233	55.91	26.88	4.212	30.11	0
4/2/2017 5:15	4.219	65.33	7.821	4.138	30.11	0
4/2/2017 5:30	4.255	94.4	6.705	4.437	30.11	0
4/2/2017 5:45	4.975	114.1	10.5	4.62	30.11	0
4/2/2017 6:00	4.903	118.6	9.58	4.614	30.1	0
4/2/2017 6:15	6.354	154.4	10.46	4.744	30.1	0
4/2/2017 6:30	5.198	168.9	11.26	4.787	30.1	0
4/2/2017 6:45	4.568	168.5	17.91	4.642	30.1	0
4/2/2017 7:00	3.126	101.1	12.77	4.372	30.12	0
4/2/2017 7:15	5.129	128.6	9.95	4.617	30.12	0
4/2/2017 7:30	6.031	134.6	9.81	4.925	30.12	0
4/2/2017 7:45	6.022	136.6	10.91	5.165	30.12	0
4/2/2017 8:00	6.219	149.4	10.55	5.172	30.13	0
4/2/2017 8:15	6.677	167.5	18.17	5.229	30.13	0
4/2/2017 8:30	6.742	174.1	17.12	5.506	30.13	0
4/2/2017 8:45	6.741	196.2	10.04	5.733	30.13	0
4/2/2017 9:00	6.995	189.3	9.67	5.843	30.13	0
4/2/2017 9:15	5.928	170.8	24.42	6.127	30.13	0
4/2/2017 9:30	5.891	177.2	16.84	6.171	30.13	0
4/2/2017 9:45	6.739	192.3	16.79	6.495	30.13	0
4/2/2017 10:00	4.46	195.2	15.35	6.37	30.13	0
4/2/2017 10:15	5.004	199.5	22.98	6.788	30.13	0
4/2/2017 10:30	7.087	175.9	17.02	7.917	30.13	0
4/2/2017 10:45	5.509	163.8	17.96	7.805	30.13	0
4/2/2017 11:00	3.453	64.37	93	7.81	30.12	0
4/2/2017 11:15	3.937	0.85	30.03	7.599	30.12	0
4/2/2017 11:30	3.162	46.45	7.623	7.591	30.12	0
4/2/2017 11:45	4.236	58.85	16.03	7.745	30.12	0
4/2/2017 12:00	3.181	52.28	9.96	7.813	30.09	0
4/2/2017 12:15	3.132	69.98	11.17	8.27	30.09	0
4/2/2017 12:30	2.327	74.54	17.34	8.86	30.09	0
4/2/2017 12:45	4.622	69.27	18.68	8.98	30.09	0
4/2/2017 13:00	7.685	38.31	9.17	8.33	30.06	0
4/2/2017 13:15	9.35	33.81	9.62	8.48	30.06	0
4/2/2017 13:30	12.04	31.12	8.71	8.29	30.06	0
4/2/2017 13:45	10.62	23.25	12.15	8.17	30.06	0
4/2/2017 14:00	8.6	23.18	10.55	8.37	30.05	0
4/2/2017 14:15	7.356	23.72	12.35	8.32	30.05	0
4/2/2017 14:30	7.245	326.8	46.44	8.18	30.05	0
4/2/2017 14:45	9.67	352.5	37.41	6.709	30.05	0.03
4/2/2017 15:00	9.51	26.6	19.18	6.703	30.03	0
4/2/2017 15:15	8.64	35.58	8.78	6.8	30.03	0
4/2/2017 15:30	9.09	31.21	10.63	7.524	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
4/2/2017 15:45	7.829	38.78	9.63	8.07	30.03	0
4/2/2017 16:00	7.961	38.35	9.45	7.828	30.02	0
4/2/2017 16:15	7.128	32.61	10.41	7.833	30.02	0
4/2/2017 16:30	6.453	30.62	14.4	7.971	30.02	0
4/2/2017 16:45	6.626	27.29	12.11	7.933	30.02	0
4/2/2017 17:00	8.98	24.11	14.42	7.758	30.01	0
4/2/2017 17:15	12.25	29.23	10.94	7.4	30.01	0
4/2/2017 17:30	12.87	34.72	14.06	7.141	30.01	0
4/2/2017 17:45	8.78	42.21	15.74	6.788	30.01	0.01
4/2/2017 18:00	14.61	38.56	15.88	6.434	30	0
4/2/2017 18:15	12.91	41.08	10.81	6.005	30	0
4/2/2017 18:30	8.18	46.5	13.43	5.664	30	0
4/2/2017 18:45	12.13	45.07	10.77	5.271	30	0
4/2/2017 19:00	12.21	43.27	8.42	4.888	30.01	0
4/2/2017 19:15	11.58	43.3	9.47	4.717	30.01	0
4/2/2017 19:30	12.18	51.97	9.03	4.65	30.01	0
4/2/2017 19:45	10.86	56.58	14.12	4.853	30.01	0
4/2/2017 20:00	9.69	30.78	11.72	4.592	30.03	0
4/2/2017 20:15	3.505	353.5	26.5	4.757	30.03	0.01
4/2/2017 20:30	1.517	354.7	41.14	4.957	30.03	0
4/2/2017 20:45	2.648	249.2	37.94	4.981	30.03	0
4/2/2017 21:00	4.447	339.3	52.53	5.159	30.03	0
4/2/2017 21:15	4.351	47	21.91	5.409	30.03	0
4/2/2017 21:30	3.319	42.96	17.17	5.244	30.03	0
4/2/2017 21:45	4.269	22.74	16.93	5.269	30.03	0
4/2/2017 22:00	5.262	18.39	13.99	5.333	30.03	0
4/2/2017 22:15	4.828	6.844	19.26	5.257	30.03	0
4/2/2017 22:30	3.937	30.18	16.93	5.18	30.03	0
4/2/2017 22:45	3.673	11.24	14.15	5.196	30.03	0
4/2/2017 23:00	2.373	325.7	47.49	5.14	30.04	0
4/2/2017 23:15	1.777	206.6	19.71	4.769	30.04	0
4/2/2017 23:30	2.215	214.4	9.29	4.667	30.04	0
4/2/2017 23:45	3.309	213.2	4.48	4.461	30.04	0
4/3/2017 0:00	3.277	213.8	5.478	4.327	30.05	0
4/3/2017 0:15	3.809	219.8	3.187	4.206	30.05	0
4/3/2017 0:30	4.567	220	6.473	4.205	30.05	0
4/3/2017 0:45	3.458	214.4	5.708	4.177	30.05	0
4/3/2017 1:00	2.443	183.9	12.09	4.015	30.05	0
4/3/2017 1:15	2.273	136.9	20.05	3.795	30.05	0
4/3/2017 1:30	2.77	110.6	14.68	3.533	30.05	0
4/3/2017 1:45	0.826	110.1	7.85	3.664	30.05	0
4/3/2017 2:00	0.98	130	0.437	3.645	30.05	0
4/3/2017 2:15	3.257	213	21.14	3.692	30.05	0
4/3/2017 2:30	1.714	193.8	8.59	3.632	30.05	0
4/3/2017 2:45	1.511	173.1	11.17	3.632	30.05	0
4/3/2017 3:00	2.113	179.1	13.81	3.639	30.05	0
4/3/2017 3:15	2.927	184.3	9	3.646	30.05	0
4/3/2017 3:30	1.54	200.3	18.29	3.723	30.05	0
4/3/2017 3:45	0.287	220.9	0.152	3.54	30.05	0
4/3/2017 4:00	1.515	243.7	21.34	3.585	30.04	0
4/3/2017 4:15	3.66	316.9	17.95	3.995	30.04	0
4/3/2017 4:30	3.107	290.4	32.42	3.963	30.04	0
4/3/2017 4:45	0.152	44.22	5.872	3.419	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
4/3/2017 5:00	1.68	251.1	37.63	3.585	30.05	0
4/3/2017 5:15	1.907	103.8	4.229	3.273	30.05	0
4/3/2017 5:30	1.086	97.3	0.818	3.128	30.05	0
4/3/2017 5:45	1.341	114.9	22.87	3.269	30.05	0
4/3/2017 6:00	3.185	160.8	6.656	3.269	30.04	0
4/3/2017 6:15	2.239	132.3	8.81	3.026	30.04	0
4/3/2017 6:30	2.348	122.1	4.162	2.965	30.04	0
4/3/2017 6:45	2.911	159.1	24.7	3.326	30.04	0
4/3/2017 7:00	3.641	194.2	16.59	3.975	30.05	0
4/3/2017 7:15	3.723	211.6	6.681	3.738	30.05	0
4/3/2017 7:30	1.901	227.1	14.79	3.794	30.05	0
4/3/2017 7:45	1.326	174.8	26.5	3.979	30.05	0
4/3/2017 8:00	2.75	180.9	21.75	4.636	30.06	0
4/3/2017 8:15	3.628	202.1	13.95	4.691	30.06	0
4/3/2017 8:30	3.329	197.6	12.94	4.489	30.06	0
4/3/2017 8:45	1.965	128.8	55.56	4.796	30.06	0
4/3/2017 9:00	1.422	359.5	47.14	5.691	30.06	0
4/3/2017 9:15	3.581	41.02	31.8	6.14	30.06	0
4/3/2017 9:30	5.499	43.33	27.26	6.509	30.06	0
4/3/2017 9:45	7.539	40.98	10.43	6.613	30.06	0
4/3/2017 10:00	5.688	27.4	15.05	6.483	30.04	0
4/3/2017 10:15	5.592	44.97	18.83	6.98	30.04	0
4/3/2017 10:30	8.25	50.47	20.91	7.293	30.04	0
4/3/2017 10:45	8.16	36.61	8.59	7.059	30.04	0
4/3/2017 11:00	6.571	36.12	10.01	7.088	30.03	0
4/3/2017 11:15	7.963	23.13	13.53	7.696	30.03	0
4/3/2017 11:30	7.141	39.51	22.97	8.52	30.03	0
4/3/2017 11:45	7.713	16.07	24.83	8.97	30.03	0
4/3/2017 12:00	5.744	8.64	40.83	9.56	30.02	0
4/3/2017 12:15	6.904	339.3	21.04	9.03	30.02	0
4/3/2017 12:30	7.328	9.19	18.03	9.3	30.02	0
4/3/2017 12:45	6.644	29	29.19	9.39	30.02	0
4/3/2017 13:00	4.653	356.5	28.84	9.6	29.98	0
4/3/2017 13:15	5.475	29.25	36.05	9.25	29.98	0
4/3/2017 13:30	3.909	296.3	54.06	9.92	29.98	0
4/3/2017 13:45	6.544	341.8	44.77	10.59	29.98	0
4/3/2017 14:00	5.325	23.67	17.23	9.69	29.95	0
4/3/2017 14:15	2.935	12.6	64.14	10.69	29.95	0
4/3/2017 14:30	4.553	14.14	60.43	10.8	29.95	0
4/3/2017 14:45	6.439	350.9	24.2	10.88	29.95	0
4/3/2017 15:00	5.193	25.09	24.25	10.93	29.92	0
4/3/2017 15:15	5.17	352.3	33.24	11.08	29.92	0
4/3/2017 15:30	3.177	298.1	36.94	11.31	29.92	0
4/3/2017 15:45	5.56	2.15	25.96	11.44	29.92	0
4/3/2017 16:00	6.154	29	10.96	11.15	29.89	0
4/3/2017 16:15	4.74	4.615	28.8	11.52	29.89	0
4/3/2017 16:30	4.36	3.057	16.53	11.43	29.89	0
4/3/2017 16:45	4.814	16.91	21.68	11.44	29.89	0
4/3/2017 17:00	4.61	29.96	14.5	11.17	29.88	0
4/3/2017 17:15	4.177	20.38	12.01	11.04	29.88	0
4/3/2017 17:30	5.347	28.22	11.93	10.73	29.88	0
4/3/2017 17:45	4.071	9.73	20.65	10.58	29.88	0
4/3/2017 18:00	5.109	323.8	4.356	10.44	29.86	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
4/3/2017 18:15	6.989	308.3	11.42	9.85	29.86	0
4/3/2017 18:30	7.769	302.4	7.686	9.3	29.86	0
4/3/2017 18:45	6.806	321.9	12.67	8.74	29.86	0
4/3/2017 19:00	5.228	334.3	7.377	8.71	29.84	0
4/3/2017 19:15	4.74	11.8	16.36	8.53	29.84	0
4/3/2017 19:30	3.57	29.58	7.943	8.06	29.84	0
4/3/2017 19:45	4.378	30.14	12.44	7.933	29.84	0
4/3/2017 20:00	5.487	58.89	13.65	7.333	29.84	0
4/3/2017 20:15	5.812	53.73	11.12	7.607	29.84	0
4/3/2017 20:30	4.316	53.49	11.05	7.535	29.84	0
4/3/2017 20:45	3.903	49.83	11.2	7.371	29.84	0
4/3/2017 21:00	4.686	54.53	7.641	7.3	29.83	0
4/3/2017 21:15	3.968	55.18	10.74	6.875	29.83	0
4/3/2017 21:30	2.828	102.1	35.02	6.167	29.83	0
4/3/2017 21:45	2.21	178	24.14	6.534	29.83	0
4/3/2017 22:00	2.539	136.9	24.96	6.535	29.81	0
4/3/2017 22:15	1.63	93	34.83	6.926	29.81	0
4/3/2017 22:30	2.792	38.59	3.607	6.275	29.81	0
4/3/2017 22:45	1.52	24.46	9.13	5.987	29.81	0
4/3/2017 23:00	1.1	33.44	23.88	5.901	29.78	0
4/3/2017 23:15	1.63	83.9	2.957	5.934	29.78	0
4/3/2017 23:30	1.67	71.13	5.738	5.901	29.78	0
4/3/2017 23:45	2.598	66.27	6.181	5.618	29.78	0
4/4/2017 0:00	2.126	48.2	4.044	5.732	29.77	0
4/4/2017 0:15	0.948	90.9	13.06	5.508	29.77	0
4/4/2017 0:30	1.368	121.5	70.3	6.057	29.77	0
4/4/2017 0:45	0.592	48.32	49.21	5.783	29.77	0
4/4/2017 1:00	1.295	38.16	35.74	6.151	29.76	0
4/4/2017 1:15	2.391	18.91	6.905	5.699	29.76	0
4/4/2017 1:30	2.85	24.52	6.766	6.177	29.76	0
4/4/2017 1:45	3.155	350.8	10.23	6.148	29.76	0
4/4/2017 2:00	4.196	14.35	15.61	5.515	29.74	0
4/4/2017 2:15	3.667	27.53	6.423	5.022	29.74	0
4/4/2017 2:30	1.762	82.2	48.1	6.343	29.74	0
4/4/2017 2:45	2.786	101.8	28.33	7.365	29.74	0
4/4/2017 3:00	3.448	142.5	24.56	7.508	29.73	0
4/4/2017 3:15	2.721	230.3	48.18	7.421	29.73	0
4/4/2017 3:30	4.364	290.5	6.561	6.609	29.73	0
4/4/2017 3:45	3.04	351.2	32.91	6.235	29.73	0
4/4/2017 4:00	4.005	45.72	19.74	5.076	29.73	0
4/4/2017 4:15	4.071	75.24	11.46	6.507	29.73	0
4/4/2017 4:30	5.331	102.9	8.16	7.776	29.73	0
4/4/2017 4:45	6.424	125.3	8.86	8.18	29.73	0
4/4/2017 5:00	5.961	151.6	12.35	7.711	29.72	0
4/4/2017 5:15	5.902	156.9	10.91	8.03	29.72	0
4/4/2017 5:30	5.761	150.3	10.11	8.26	29.72	0
4/4/2017 5:45	6.267	152.5	9.38	8.6	29.72	0
4/4/2017 6:00	6.248	125.5	13.28	8.69	29.7	0
4/4/2017 6:15	6.4	132.8	12.97	8.69	29.7	0
4/4/2017 6:30	6.315	129.6	11.08	9.07	29.7	0
4/4/2017 6:45	5.881	125	12.11	9.02	29.7	0
4/4/2017 7:00	4.798	123	12.51	9.03	29.7	0
4/4/2017 7:15	5.726	127.6	13.48	9.18	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
4/4/2017 7:30	7.355	127	10.5	9.46	29.7	0
4/4/2017 7:45	6.934	117.8	11.82	9.52	29.7	0
4/4/2017 8:00	7.828	121.5	12.29	9.7	29.69	0
4/4/2017 8:15	9.38	128.9	11.99	10.32	29.69	0
4/4/2017 8:30	7.049	122.8	13.31	10.61	29.69	0
4/4/2017 8:45	9.43	123.9	15.49	10.96	29.69	0
4/4/2017 9:00	8.58	127.4	13.2	11.3	29.69	0
4/4/2017 9:15	7.842	127.3	16.71	11.54	29.69	0
4/4/2017 9:30	6.784	119.7	18.56	11.88	29.69	0
4/4/2017 9:45	6.825	129.1	16.88	12.3	29.69	0
4/4/2017 10:00	11.55	132.1	15.16	12.55	29.68	0
4/4/2017 10:15	11.71	131.1	13.06	12.93	29.68	0
4/4/2017 10:30	12.5	132.5	12.49	13.29	29.68	0
4/4/2017 10:45	12.99	132	11.41	13.63	29.68	0
4/4/2017 11:00	13.27	135.7	12.28	14.03	29.66	0
4/4/2017 11:15	12.56	135.7	15.52	14.61	29.66	0
4/4/2017 11:30	12.72	144.7	16.73	14.74	29.66	0
4/4/2017 11:45	12.81	139.5	16.41	15.04	29.66	0
4/4/2017 12:00	10.77	134.1	12.1	15.27	29.66	0
4/4/2017 12:15	10.79	134.2	11.8	15.39	29.66	0
4/4/2017 12:30	8.69	132.8	14.08	15.47	29.66	0
4/4/2017 12:45	10.3	136.3	12.76	15.41	29.66	0
4/4/2017 13:00	10.11	136.5	18.09	15.55	29.65	0
4/4/2017 13:15	10.2	137.8	12.34	15.66	29.65	0
4/4/2017 13:30	9.17	134.4	16.59	16.02	29.65	0
4/4/2017 13:45	9.62	109.7	15.41	15.96	29.65	0
4/4/2017 14:00	9.33	128.8	19.85	16.12	29.64	0
4/4/2017 14:15	9.61	141	20.34	16.17	29.64	0
4/4/2017 14:30	8.31	146.4	17.24	16.04	29.64	0
4/4/2017 14:45	10.25	139.5	13.26	15.8	29.64	0
4/4/2017 15:00	10.41	142.3	20.76	15.74	29.64	0
4/4/2017 15:15	7.208	252.2	8.04	15.19	29.64	0
4/4/2017 15:30	3.992	266.6	30.95	15.34	29.64	0
4/4/2017 15:45	5.812	252.5	32.11	15.12	29.64	0
4/4/2017 16:00	6.154	270.9	10.58	14.87	29.63	0
4/4/2017 16:15	6.123	273.3	7.024	14.72	29.63	0
4/4/2017 16:30	6.236	275.5	7.964	14.59	29.63	0
4/4/2017 16:45	5.328	243.2	16.35	14.41	29.63	0
4/4/2017 17:00	4.747	228.2	9.24	14.23	29.64	0
4/4/2017 17:15	5.64	210.6	9.92	13.99	29.64	0
4/4/2017 17:30	6.882	197.7	17.32	13.94	29.64	0
4/4/2017 17:45	12.63	190	10.42	13.95	29.64	0
4/4/2017 18:00	11.42	187.1	24.79	13.17	29.64	0
4/4/2017 18:15	11.7	136.1	10.17	12.9	29.64	0
4/4/2017 18:30	12.35	139.6	11.16	12.79	29.64	0
4/4/2017 18:45	12.07	154.1	16.61	12.56	29.64	0
4/4/2017 19:00	8.98	153.4	10.24	12.18	29.64	0
4/4/2017 19:15	9.17	137.4	9.55	12.03	29.64	0
4/4/2017 19:30	9.81	135.1	8.9	11.69	29.64	0
4/4/2017 19:45	11.57	136.5	8.43	11.42	29.64	0
4/4/2017 20:00	11.94	138.5	9.81	11.21	29.63	0
4/4/2017 20:15	10.36	144.3	10.19	10.92	29.63	0
4/4/2017 20:30	9.22	157.7	12.26	10.57	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
4/4/2017 20:45	6.748	200.1	22.67	10.1	29.63	0
4/4/2017 21:00	6.469	208.8	7.824	9.75	29.66	0
4/4/2017 21:15	5.607	185.2	12.82	9.41	29.66	0.01
4/4/2017 21:30	5.324	184	14.96	9.29	29.66	0
4/4/2017 21:45	7.183	171.8	10.49	9.2	29.66	0.01
4/4/2017 22:00	8.52	148	8.87	8.78	29.66	0
4/4/2017 22:15	11.53	133.6	9.35	8.62	29.66	0.01
4/4/2017 22:30	11.66	128.2	9.7	8.74	29.66	0
4/4/2017 22:45	13.64	130.7	9.66	8.76	29.66	0
4/4/2017 23:00	15.52	127.7	10.08	9.01	29.62	0
4/4/2017 23:15	16.39	132.1	10.07	9.46	29.62	0.01
4/4/2017 23:30	16.2	132.6	10.14	9.67	29.62	0
4/4/2017 23:45	15.53	133.3	9.25	9.72	29.62	0
4/5/2017 0:00	15.96	135.4	9.49	9.99	29.6	0
4/5/2017 0:15	14.4	135.2	9.45	10.38	29.6	0
4/5/2017 0:30	14.64	139.3	9.56	10.56	29.6	0
4/5/2017 0:45	14.68	134.5	9.03	10.7	29.6	0
4/5/2017 1:00	16.27	133.8	9.03	10.77	29.58	0
4/5/2017 1:15	16.02	135.2	8.15	10.83	29.58	0
4/5/2017 1:30	13.59	137	9.5	10.89	29.58	0
4/5/2017 1:45	11.69	148.3	11.01	10.53	29.58	0
4/5/2017 2:00	12.18	140.5	10	10.27	29.6	0
4/5/2017 2:15	11.13	140	8.11	10.36	29.6	0
4/5/2017 2:30	9.08	146.8	9.18	10.46	29.6	0.01
4/5/2017 2:45	11.4	135.5	9.52	10.05	29.6	0.02
4/5/2017 3:00	9.71	142.5	10.39	9.58	29.6	0
4/5/2017 3:15	11.66	138.4	7.612	9.41	29.6	0.01
4/5/2017 3:30	12.35	136.4	8.49	9.21	29.6	0
4/5/2017 3:45	12.8	134.2	8.47	9.1	29.6	0.01
4/5/2017 4:00	11.44	131.6	10.16	8.75	29.58	0
4/5/2017 4:15	10.33	146.2	14.12	8.83	29.58	0.01
4/5/2017 4:30	8.77	150.8	16.07	8.71	29.58	0.01
4/5/2017 4:45	7.967	159.5	12.45	8.56	29.58	0.01
4/5/2017 5:00	5.55	134.7	11.08	8.38	29.6	0.01
4/5/2017 5:15	2.763	158	36.86	8.47	29.6	0.03
4/5/2017 5:30	3.574	154.3	20.5	8.57	29.6	0.02
4/5/2017 5:45	3.339	137.5	55.52	8.15	29.6	0.02
4/5/2017 6:00	3.011	94.5	17.87	7.806	29.62	0
4/5/2017 6:15	4.819	96.8	13.36	7.959	29.62	0
4/5/2017 6:30	4.374	91.1	8.75	7.897	29.62	0.01
4/5/2017 6:45	2.21	52.1	21.96	8.02	29.62	0
4/5/2017 7:00	1.994	220	46.11	8.15	29.63	0.01
4/5/2017 7:15	1.014	337.4	46.02	8.34	29.63	0
4/5/2017 7:30	0.781	274.9	57.24	8.29	29.63	0
4/5/2017 7:45	1.022	51.46	11.7	8.19	29.63	0
4/5/2017 8:00	3.168	79.52	21.73	8.31	29.65	0.01
4/5/2017 8:15	1.897	54.36	9.18	8.3	29.65	0.01
4/5/2017 8:30	2.367	101.1	8.64	8.46	29.65	0.01
4/5/2017 8:45	1.17	96.1	24.11	8.86	29.65	0.01
4/5/2017 9:00	3.009	165.3	38.42	9.59	29.67	0
4/5/2017 9:15	3.761	191.3	15.21	9.85	29.67	0.01
4/5/2017 9:30	3.419	212.5	16.75	10.03	29.67	0
4/5/2017 9:45	5.699	226.1	9.02	9.9	29.67	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
4/5/2017 10:00	3.288	209.6	18.69	9.89	29.68	0
4/5/2017 10:15	3.625	255.9	18.51	9.77	29.68	0
4/5/2017 10:30	3.506	285	8.58	9.62	29.68	0.01
4/5/2017 10:45	3.363	297.1	19.71	9.59	29.68	0.01
4/5/2017 11:00	5.505	341.3	11.75	9.41	29.67	0
4/5/2017 11:15	2.49	322.1	16.15	9.4	29.67	0
4/5/2017 11:30	3.529	299	16.06	9.5	29.67	0.01
4/5/2017 11:45	2.628	278.3	8.57	9.39	29.67	0.01
4/5/2017 12:00	3.918	315.6	13.79	9.47	29.67	0
4/5/2017 12:15	3.686	297.9	11.38	9.56	29.67	0
4/5/2017 12:30	4.282	312.4	14.35	9.96	29.67	0
4/5/2017 12:45	5.074	339.3	16.24	9.88	29.67	0
4/5/2017 13:00	4.463	302.2	14.1	10.06	29.68	0
4/5/2017 13:15	4.163	269.8	12.92	10.39	29.68	0
4/5/2017 13:30	4.294	271.5	16.37	10.4	29.68	0
4/5/2017 13:45	4.899	245.7	14.21	10.63	29.68	0
4/5/2017 14:00	3.923	239.6	22.27	10.67	29.69	0
4/5/2017 14:15	4.809	207.4	22.33	10.63	29.69	0.01
4/5/2017 14:30	7.732	189.1	15.34	10.73	29.69	0
4/5/2017 14:45	7.192	186	15.52	10.89	29.69	0
4/5/2017 15:00	7.152	172.1	19.1	10.88	29.66	0
4/5/2017 15:15	5.728	148.3	15.68	11.21	29.66	0
4/5/2017 15:30	3.961	151.9	21.04	11.32	29.66	0
4/5/2017 15:45	5.086	115.8	10.35	11.24	29.66	0
4/5/2017 16:00	5.599	126.7	11.82	11.22	29.64	0
4/5/2017 16:15	5.196	125.2	13.82	11.41	29.64	0
4/5/2017 16:30	5.707	143.7	19.71	11.55	29.64	0
4/5/2017 16:45	8.66	161.1	7.456	11.59	29.64	0
4/5/2017 17:00	18.19	176.8	17.61	11.16	29.64	0
4/5/2017 17:15	13.35	183.9	11.17	10.73	29.64	0
4/5/2017 17:30	8.08	152.4	18.7	10.34	29.64	0
4/5/2017 17:45	6.447	120.6	7.129	10.04	29.64	0
4/5/2017 18:00	5.43	102.9	22.92	9.83	29.57	0
4/5/2017 18:15	3.02	19.56	24.02	9.53	29.57	0.01
4/5/2017 18:30	1.235	67.37	73.21	9.85	29.57	0
4/5/2017 18:45	7.283	173.6	43.44	9.91	29.57	0
4/5/2017 19:00	3.332	175.8	36.58	9.64	29.58	0
4/5/2017 19:15	2.84	128	16.08	9.45	29.58	0
4/5/2017 19:30	4.001	144.8	14.08	9.35	29.58	0
4/5/2017 19:45	5.972	185.6	12.25	9.57	29.58	0
4/5/2017 20:00	5.51	225.1	19.47	9.31	29.62	0
4/5/2017 20:15	6.516	197.5	14.61	9.47	29.62	0
4/5/2017 20:30	5.561	167.6	15.56	9.46	29.62	0
4/5/2017 20:45	4.48	140.4	10.38	9.34	29.62	0
4/5/2017 21:00	4.376	159.5	15.36	9.84	29.62	0
4/5/2017 21:15	1.488	132.3	17.17	9.93	29.62	0
4/5/2017 21:30	1.797	30.67	38.5	9.89	29.62	0
4/5/2017 21:45	4.822	63.54	9.05	9.56	29.62	0
4/5/2017 22:00	4.759	37.21	9.51	8.72	29.54	0
4/5/2017 22:15	4.979	57.55	7.504	9.12	29.54	0
4/5/2017 22:30	5.602	41.8	4.905	8.67	29.54	0
4/5/2017 22:45	6.906	35.53	4.2	8.24	29.54	0
4/5/2017 23:00	6.097	43.1	9.25	8.15	29.48	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
4/5/2017 23:15	3.594	47.03	9.27	8.3	29.48	0
4/5/2017 23:30	2.304	26.06	27.59	8.87	29.48	0
4/5/2017 23:45	3.31	50.4	13.12	8.16	29.48	0
4/6/2017 0:00	4.89	9.22	19.51	7.944	29.45	0
4/6/2017 0:15	6.201	337.1	23.69	8.15	29.45	0
4/6/2017 0:30	7.066	4.94	38.05	7.885	29.45	0
4/6/2017 0:45	6.361	41.35	9.77	8.06	29.45	0
4/6/2017 1:00	6.504	46.85	10.52	7.938	29.38	0
4/6/2017 1:15	6.939	50.43	10.98	7.904	29.38	0
4/6/2017 1:30	4.932	33.65	13.82	7.931	29.38	0
4/6/2017 1:45	2.96	61.5	40.59	8.46	29.38	0
4/6/2017 2:00	5.036	104.9	27.25	9.36	29.34	0
4/6/2017 2:15	6.094	125.8	18.11	9.94	29.34	0
4/6/2017 2:30	5.691	143.6	14.67	10.42	29.34	0
4/6/2017 2:45	4.973	127.4	15.97	10.57	29.34	0
4/6/2017 3:00	6.059	143.5	16.62	10.74	29.34	0
4/6/2017 3:15	7.632	144.7	17.01	10.95	29.34	0
4/6/2017 3:30	11.91	165.2	12.55	11.31	29.34	0
4/6/2017 3:45	10.07	186.2	16.41	10.84	29.34	0
4/6/2017 4:00	13.55	223.7	8.86	10.05	29.4	0
4/6/2017 4:15	10.85	213.2	9.04	10.04	29.4	0
4/6/2017 4:30	6.883	198.1	17.61	9.58	29.4	0.01
4/6/2017 4:45	6.3	177.6	12.51	8.65	29.4	0.01
4/6/2017 5:00	6.606	156.4	8	8.02	29.41	0.01
4/6/2017 5:15	6.475	145.1	9.63	7.847	29.41	0.01
4/6/2017 5:30	5.667	141.4	9.1	7.794	29.41	0.01
4/6/2017 5:45	5.58	133.2	14.18	7.907	29.41	0.01
4/6/2017 6:00	3.762	142.4	16.45	7.88	29.42	0.01
4/6/2017 6:15	3.64	150	20.86	7.826	29.42	0.01
4/6/2017 6:30	2.479	122.3	9.21	7.829	29.42	0
4/6/2017 6:45	0.297	112.2	0.089	7.904	29.42	0
4/6/2017 7:00	0.954	6.194	43.72	7.74	29.41	0.02
4/6/2017 7:15	1.795	47.47	39.48	7.877	29.41	0.01
4/6/2017 7:30	2.593	46.1	6.745	7.592	29.41	0.01
4/6/2017 7:45	2.144	54.47	4.002	7.797	29.41	0
4/6/2017 8:00	1.7	70.67	7.806	8.17	29.39	0.01
4/6/2017 8:15	2.167	79.3	4.32	8.4	29.39	0
4/6/2017 8:30	2.758	203.1	57.88	8.4	29.39	0.02
4/6/2017 8:45	4.373	196.4	10.86	8.41	29.39	0.01
4/6/2017 9:00	4.525	149.5	21.45	8.39	29.41	0.02
4/6/2017 9:15	4.004	105.9	16.07	8.56	29.41	0.02
4/6/2017 9:30	4.031	89.3	21.31	8.62	29.41	0
4/6/2017 9:45	3.205	118.4	13.03	8.75	29.41	0
4/6/2017 10:00	2.782	101	12.73	8.89	29.41	0.01
4/6/2017 10:15	2.7	97.7	11.68	9.16	29.41	0
4/6/2017 10:30	2.628	102.2	17.07	9.92	29.41	0
4/6/2017 10:45	3.996	129.9	35.15	10.27	29.41	0
4/6/2017 11:00	4.861	205.7	17.9	10.45	29.41	0
4/6/2017 11:15	4.565	195.8	29.6	10.29	29.41	0
4/6/2017 11:30	4.138	207.9	22.92	10.38	29.41	0
4/6/2017 11:45	5.017	154.3	22.47	11.03	29.41	0
4/6/2017 12:00	4.984	163.1	20.75	11.48	29.4	0
4/6/2017 12:15	5.363	151	25.37	11.55	29.4	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
4/6/2017 12:30	5.679	154.2	24.54	11.84	29.4	0
4/6/2017 12:45	5.542	149.6	24.34	11.59	29.4	0
4/6/2017 13:00	2.901	146.7	37.78	11.56	29.4	0
4/6/2017 13:15	3.361	184.3	29.33	11.71	29.4	0
4/6/2017 13:30	5.219	216.1	20.33	11.92	29.4	0
4/6/2017 13:45	6.543	209.8	21.12	11.82	29.4	0
4/6/2017 14:00	2.979	239.9	31.66	12.07	29.39	0
4/6/2017 14:15	5.715	200	14.75	12.58	29.39	0
4/6/2017 14:30	6.332	210.3	21.85	13.08	29.39	0
4/6/2017 14:45	6.95	215.1	14.54	12.89	29.39	0
4/6/2017 15:00	7.203	213.1	18.03	13.24	29.38	0
4/6/2017 15:15	4.885	215.6	26.89	13.27	29.38	0
4/6/2017 15:30	3.82	215.3	32.33	13.74	29.38	0
4/6/2017 15:45	4.867	183.5	26.32	13.73	29.38	0
4/6/2017 16:00	4.196	233.3	33.77	13.84	29.34	0
4/6/2017 16:15	5.387	195.3	23.1	13.9	29.34	0
4/6/2017 16:30	4.918	164.8	21.17	13.34	29.34	0
4/6/2017 16:45	3.829	167.3	24.22	13.5	29.34	0
4/6/2017 17:00	4.923	162.7	9.03	13.7	29.3	0
4/6/2017 17:15	4.083	187.7	31.35	13.97	29.3	0
4/6/2017 17:30	4.056	227.8	13.74	14	29.3	0
4/6/2017 17:45	5.31	140.1	22.45	13.38	29.3	0
4/6/2017 18:00	4.392	113	8.77	13.08	29.24	0
4/6/2017 18:15	3.598	74.94	27.57	12.65	29.24	0
4/6/2017 18:30	5.207	24.23	4.973	11.88	29.24	0
4/6/2017 18:45	5.627	34.23	8.46	11.46	29.24	0
4/6/2017 19:00	6.853	35.81	4.888	10.55	29.15	0
4/6/2017 19:15	6.74	43.03	6.875	10.47	29.15	0
4/6/2017 19:30	7.085	38.87	7.166	10.31	29.15	0
4/6/2017 19:45	8.25	27.88	11.16	10.52	29.15	0
4/6/2017 20:00	8.82	42.44	12.11	11.11	29.06	0
4/6/2017 20:15	6.817	33.06	11.55	11.08	29.06	0
4/6/2017 20:30	4.561	47.93	20.12	10.84	29.06	0
4/6/2017 20:45	8.82	35.75	12.48	10.04	29.06	0
4/6/2017 21:00	8.77	32.15	9.73	9.83	28.97	0
4/6/2017 21:15	10.94	28.32	8.19	9.59	28.97	0
4/6/2017 21:30	9.84	23.95	11.47	9.5	28.97	0
4/6/2017 21:45	9.53	25.09	10.17	9.76	28.97	0
4/6/2017 22:00	9.03	27.32	11.04	9.58	28.88	0
4/6/2017 22:15	7.581	30.31	10.67	9.15	28.88	0
4/6/2017 22:30	8.47	35.31	10.75	9.09	28.88	0
4/6/2017 22:45	8.22	55.49	28.03	10.64	28.88	0
4/6/2017 23:00	6.389	67.15	21.63	12.22	28.81	0
4/6/2017 23:15	5.451	77.34	44.88	12.87	28.81	0
4/6/2017 23:30	3.252	83.1	56.36	12.03	28.81	0
4/6/2017 23:45	7.154	103	49.19	13.05	28.81	0
4/7/2017 0:00	7.221	113.2	33.82	13.2	28.75	0
4/7/2017 0:15	5.619	116.4	46.91	13.43	28.75	0
4/7/2017 0:30	3.455	15.12	16.12	11.35	28.75	0
4/7/2017 0:45	3.913	30.71	58.79	11.97	28.75	0
4/7/2017 1:00	5.755	104.4	44.89	13.46	28.7	0
4/7/2017 1:15	8.83	171	47.97	13.24	28.7	0
4/7/2017 1:30	12.18	150.6	15.81	14.32	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
4/7/2017 1:45	10.76	130.1	15.38	12.96	28.7	0
4/7/2017 2:00	14.1	154.9	14.59	14.21	28.68	0
4/7/2017 2:15	12.01	197	23.26	13.4	28.68	0
4/7/2017 2:30	10.72	258.6	19.07	10.07	28.68	0.01
4/7/2017 2:45	5.823	251.7	17.48	9.43	28.68	0.01
4/7/2017 3:00	3.93	56.52	54.8	9.04	28.71	0
4/7/2017 3:15	4.511	87.7	13.46	9.36	28.71	0
4/7/2017 3:30	2.326	110.3	7.667	10.01	28.71	0
4/7/2017 3:45	1.576	26.87	79.39	10.17	28.71	0
4/7/2017 4:00	3.347	60.45	19.44	9.78	28.7	0
4/7/2017 4:15	4.601	85	23.07	9.16	28.7	0
4/7/2017 4:30	8.17	111.5	14.24	9.68	28.7	0
4/7/2017 4:45	8.21	119.1	10.95	10.47	28.7	0.01
4/7/2017 5:00	8.68	140.5	21.21	10.52	28.7	0
4/7/2017 5:15	10.33	154.4	10.83	10.73	28.7	0
4/7/2017 5:30	9.95	137.1	14.42	11.27	28.7	0
4/7/2017 5:45	9.47	140.1	12.18	11.34	28.7	0
4/7/2017 6:00	9.23	154	6.207	11.23	28.7	0
4/7/2017 6:15	8.31	158.8	8.63	11.45	28.7	0
4/7/2017 6:30	5.443	170	9.85	11.65	28.7	0
4/7/2017 6:45	9.88	138.7	24.25	11.71	28.7	0
4/7/2017 7:00	8.29	122.6	15.19	11.42	28.67	0
4/7/2017 7:15	8.31	133	14.66	11.68	28.67	0
4/7/2017 7:30	11.15	139.6	11.77	11.86	28.67	0
4/7/2017 7:45	12.63	145.7	10.84	11.88	28.67	0
4/7/2017 8:00	11.62	147	19.77	12.22	28.69	0
4/7/2017 8:15	9.35	173.7	13.51	11.53	28.69	0
4/7/2017 8:30	8.14	176.9	19.59	11.29	28.69	0
4/7/2017 8:45	12.56	173.8	11.54	11.82	28.69	0
4/7/2017 9:00	20.47	181.7	11.77	12.81	28.75	0
4/7/2017 9:15	19.87	179.4	11.04	13.24	28.75	0
4/7/2017 9:30	23.93	179.9	11.55	13.43	28.75	0
4/7/2017 9:45	21.8	181.8	13.77	13.42	28.75	0
4/7/2017 10:00	18.6	184.7	13.08	13.44	28.8	0
4/7/2017 10:15	20.41	187.8	12.79	13.59	28.8	0
4/7/2017 10:30	25.71	192.5	13.05	13.85	28.8	0
4/7/2017 10:45	19.69	184.6	11.64	13.99	28.8	0
4/7/2017 11:00	20.52	194.4	10.86	14.02	28.84	0
4/7/2017 11:15	23.8	196.1	12.84	13.9	28.84	0
4/7/2017 11:30	27.71	185.9	10.82	13.66	28.84	0
4/7/2017 11:45	29.31	182.7	12.44	12.93	28.84	0
4/7/2017 12:00	25.9	176.3	10.88	12.88	28.9	0
4/7/2017 12:15	24.28	176.8	10.88	12.78	28.9	0
4/7/2017 12:30	23.32	183.3	11.41	12.63	28.9	0
4/7/2017 12:45	19.38	203.6	12.89	12.15	28.9	0
4/7/2017 13:00	22.79	204.3	13.28	11.53	28.94	0
4/7/2017 13:15	23.95	196.3	10.52	10.39	28.94	0
4/7/2017 13:30	17.84	194.1	9.75	11.19	28.94	0
4/7/2017 13:45	19.21	193.6	9.86	11.55	28.94	0
4/7/2017 14:00	21.93	185.4	10.16	10.82	28.99	0
4/7/2017 14:15	21.09	190.5	9.57	11.19	28.99	0
4/7/2017 14:30	22.86	186.7	8.69	11.41	28.99	0
4/7/2017 14:45	24.46	192.1	9.83	11.41	28.99	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
4/7/2017 15:00	22.62	197.9	10.05	11.35	29.02	0
4/7/2017 15:15	21.66	192.7	11.41	11.3	29.02	0
4/7/2017 15:30	24.16	194.9	9.67	11.19	29.02	0
4/7/2017 15:45	19.84	190.7	10.74	11.37	29.02	0
4/7/2017 16:00	22.28	189.8	11.28	11.4	29.04	0
4/7/2017 16:15	28.78	177.1	10.58	11.02	29.04	0
4/7/2017 16:30	24.94	175.9	9.64	10.78	29.04	0
4/7/2017 16:45	24.08	175.1	8.16	10.68	29.04	0
4/7/2017 17:00	21.84	185.1	9.95	10.53	29.07	0
4/7/2017 17:15	24.15	190.9	10.98	10.31	29.07	0
4/7/2017 17:30	19.88	186.5	11.42	10.23	29.07	0
4/7/2017 17:45	25.48	190.8	8.83	10.04	29.07	0
4/7/2017 18:00	25.33	187.7	11.02	9.85	29.1	0
4/7/2017 18:15	24.39	193.4	7.654	9.29	29.1	0
4/7/2017 18:30	22.43	191.2	8.96	9.14	29.1	0
4/7/2017 18:45	20.27	191	9.67	8.99	29.1	0
4/7/2017 19:00	18.54	189.7	8.94	8.83	29.16	0
4/7/2017 19:15	16.49	184.6	7.989	8.8	29.16	0
4/7/2017 19:30	15.32	186.7	10.66	8.82	29.16	0
4/7/2017 19:45	13.39	196.9	8.09	8.37	29.16	0.01
4/7/2017 20:00	11.21	201.6	6.415	8.12	29.2	0
4/7/2017 20:15	10.43	200.2	6.252	8.15	29.2	0
4/7/2017 20:30	11.11	198.1	8.32	8.2	29.2	0
4/7/2017 20:45	12.18	195.2	8.34	8.3	29.2	0
4/7/2017 21:00	12.77	186.9	8.67	8.31	29.24	0
4/7/2017 21:15	14.65	193.3	10.03	8.24	29.24	0
4/7/2017 21:30	15.89	195.6	8.54	8.19	29.24	0
4/7/2017 21:45	13.9	199.5	8.52	8.14	29.24	0
4/7/2017 22:00	12.5	194.6	7.846	8.13	29.27	0
4/7/2017 22:15	12.52	189	9.82	8.22	29.27	0
4/7/2017 22:30	12.74	185.3	8.24	8.31	29.27	0
4/7/2017 22:45	10.81	187.8	9.5	8.26	29.27	0
4/7/2017 23:00	13.08	188	9.46	8.34	29.31	0
4/7/2017 23:15	13	199.3	10	8.3	29.31	0
4/7/2017 23:30	12.95	200.8	9.88	8.2	29.31	0
4/7/2017 23:45	13.95	205	8.38	8.06	29.31	0
4/8/2017 0:00	14.03	212	11.44	7.941	29.34	0
4/8/2017 0:15	14.82	211.9	9.56	7.7	29.34	0
4/8/2017 0:30	16.23	211.8	11.2	7.54	29.34	0
4/8/2017 0:45	15.83	215.6	8.35	7.136	29.34	0
4/8/2017 1:00	11.45	214.8	6.792	6.864	29.37	0.01
4/8/2017 1:15	10.8	210.7	9.93	6.844	29.37	0
4/8/2017 1:30	12.45	210.6	8.7	6.958	29.37	0
4/8/2017 1:45	13.09	214.6	9.13	6.932	29.37	0
4/8/2017 2:00	13.76	210.5	6.983	6.875	29.38	0
4/8/2017 2:15	15.03	195.9	7.819	6.804	29.38	0
4/8/2017 2:30	15.68	199.6	9.27	6.765	29.38	0
4/8/2017 2:45	15.06	203.9	6.35	6.563	29.38	0
4/8/2017 3:00	12.81	192.6	9.08	6.493	29.4	0
4/8/2017 3:15	11.35	195.5	10.03	6.534	29.4	0
4/8/2017 3:30	10.78	192.2	9.68	6.49	29.4	0
4/8/2017 3:45	8.47	182.2	10.58	6.242	29.4	0
4/8/2017 4:00	8.45	163.9	11.36	5.994	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
4/8/2017 4:15	9.14	185.7	9.87	6.133	29.41	0
4/8/2017 4:30	8.06	184.9	10.79	5.899	29.41	0
4/8/2017 4:45	7.332	164.6	11.28	5.37	29.41	0
4/8/2017 5:00	6.901	186.7	12.96	5.468	29.43	0
4/8/2017 5:15	7.635	195.8	6.447	5.666	29.43	0
4/8/2017 5:30	6.308	189.4	7.462	5.563	29.43	0
4/8/2017 5:45	7.152	187.5	6.131	5.655	29.43	0
4/8/2017 6:00	5.744	179.3	14.43	5.561	29.47	0
4/8/2017 6:15	8.62	199.9	10.31	5.732	29.47	0
4/8/2017 6:30	8.78	192	7.688	5.657	29.47	0
4/8/2017 6:45	8.91	188.5	7.149	5.544	29.47	0
4/8/2017 7:00	9.42	195.1	6.643	5.419	29.49	0
4/8/2017 7:15	8.97	190.7	6.375	5.413	29.49	0
4/8/2017 7:30	6.625	173.6	14.7	5.459	29.49	0
4/8/2017 7:45	5.622	151.4	14.11	5.499	29.49	0
4/8/2017 8:00	7.572	167.2	15.94	5.81	29.52	0
4/8/2017 8:15	10.43	186	10.16	6.482	29.52	0
4/8/2017 8:30	10.43	190.1	11.47	7.07	29.52	0
4/8/2017 8:45	12.39	205.5	11.94	7.655	29.52	0
4/8/2017 9:00	15.91	210.6	12.27	7.329	29.56	0
4/8/2017 9:15	15.1	210.1	9.96	7.32	29.56	0
4/8/2017 9:30	16.74	218.5	9.3	7.342	29.56	0
4/8/2017 9:45	17.22	212.2	5.99	7.687	29.56	0
4/8/2017 10:00	15.46	209.5	10.43	7.286	29.59	0
4/8/2017 10:15	12.48	238.8	9.18	7.15	29.59	0
4/8/2017 10:30	21.09	238.5	9.51	5.539	29.59	0.01
4/8/2017 10:45	9.84	200.1	14.68	4.809	29.59	0.01
4/8/2017 11:00	10.21	204.9	9.92	5.598	29.62	0.01
4/8/2017 11:15	10.23	205.4	10.23	6.375	29.62	0
4/8/2017 11:30	7.733	202.7	13.66	6.834	29.62	0
4/8/2017 11:45	6.228	198.2	16.43	6.94	29.62	0
4/8/2017 12:00	7.008	201.7	16.51	7.545	29.63	0
4/8/2017 12:15	7.281	201.6	15	8.14	29.63	0
4/8/2017 12:30	6.687	191.6	23.48	8.64	29.63	0
4/8/2017 12:45	7.93	192.7	26.73	8.79	29.63	0
4/8/2017 13:00	8.45	188.2	20.65	8.86	29.63	0
4/8/2017 13:15	18.23	219.3	7.223	7.965	29.63	0
4/8/2017 13:30	13.34	200.6	9.38	7.484	29.63	0
4/8/2017 13:45	10.53	208.5	11.68	8.64	29.63	0
4/8/2017 14:00	10.8	209.5	16.6	8.9	29.65	0
4/8/2017 14:15	10.28	229.4	10.31	9.18	29.65	0
4/8/2017 14:30	11.13	275	16.12	9.18	29.65	0
4/8/2017 14:45	13.18	263.8	17.41	8.83	29.65	0
4/8/2017 15:00	14.85	215.8	18.67	7.974	29.67	0
4/8/2017 15:15	11.91	188.7	8.58	7.704	29.67	0
4/8/2017 15:30	13.67	178.6	10.99	7.457	29.67	0
4/8/2017 15:45	15.33	179.5	10.44	7.118	29.67	0
4/8/2017 16:00	12.68	173	14.71	7.115	29.69	0
4/8/2017 16:15	14.17	188.5	27.73	6.809	29.69	0
4/8/2017 16:30	8.53	209.7	17.07	6.109	29.69	0
4/8/2017 16:45	10.49	194.6	13.02	6.672	29.69	0
4/8/2017 17:00	12.93	166.1	9.62	6.54	29.72	0
4/8/2017 17:15	9.86	162.6	11.92	6.577	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
4/8/2017 17:30	11.44	172.5	15.67	6.802	29.72	0
4/8/2017 17:45	10.46	160	8.74	6.568	29.72	0
4/8/2017 18:00	9.17	166.1	9.04	6.41	29.73	0
4/8/2017 18:15	12.21	169.1	8.53	5.924	29.73	0
4/8/2017 18:30	10.81	167.2	10.34	5.69	29.73	0
4/8/2017 18:45	9.44	159.2	7.609	5.323	29.73	0
4/8/2017 19:00	8.13	156.1	10.59	4.955	29.75	0
4/8/2017 19:15	9.29	152.7	6.883	4.559	29.75	0
4/8/2017 19:30	7.443	149.7	8.58	4.153	29.75	0
4/8/2017 19:45	8.22	152	9.08	3.968	29.75	0
4/8/2017 20:00	7.524	148.9	8.84	4.085	29.77	0
4/8/2017 20:15	7.88	156.1	7.923	4.214	29.77	0
4/8/2017 20:30	8.58	153.8	7.51	4.378	29.77	0
4/8/2017 20:45	7.592	180.5	20.91	4.497	29.77	0
4/8/2017 21:00	9.67	210	15.88	4.42	29.79	0.03
4/8/2017 21:15	9.75	182.2	9.1	4.352	29.79	0.01
4/8/2017 21:30	6.578	164.7	20.4	4.18	29.79	0
4/8/2017 21:45	6.294	138.6	6.392	3.96	29.79	0
4/8/2017 22:00	5.68	137.5	7.458	3.952	29.82	0
4/8/2017 22:15	6.086	130.1	6.922	3.979	29.82	0
4/8/2017 22:30	5.607	133.9	6.222	3.936	29.82	0
4/8/2017 22:45	5.649	138.3	8.27	3.999	29.82	0
4/8/2017 23:00	6.015	150	7.468	4.119	29.84	0
4/8/2017 23:15	5.68	152.8	6.814	4.029	29.84	0
4/8/2017 23:30	4.993	147.9	9.14	4.098	29.84	0
4/8/2017 23:45	4.223	140.6	7.289	4.044	29.84	0
4/9/2017 0:00	4.655	134.4	4.757	4.006	29.85	0
4/9/2017 0:15	4.564	144.4	8.04	4.237	29.85	0
4/9/2017 0:30	6.275	156.2	6.219	4.228	29.85	0
4/9/2017 0:45	6.137	165.7	7.246	4.146	29.85	0
4/9/2017 1:00	4.523	156.7	11.1	4.279	29.85	0
4/9/2017 1:15	4.356	134.4	6.642	4.512	29.85	0
4/9/2017 1:30	5.447	141.8	6.513	4.731	29.85	0
4/9/2017 1:45	6.278	152.9	7.65	4.861	29.85	0
4/9/2017 2:00	5.909	156.4	7.608	4.778	29.85	0
4/9/2017 2:15	7.408	163.7	4.155	4.741	29.85	0
4/9/2017 2:30	6.598	168.5	10.39	4.619	29.85	0
4/9/2017 2:45	7.125	162.2	4.558	4.633	29.85	0
4/9/2017 3:00	6.311	154	7.941	4.81	29.86	0
4/9/2017 3:15	5.17	151.4	6.643	4.826	29.86	0
4/9/2017 3:30	5.062	149.1	8.96	4.901	29.86	0
4/9/2017 3:45	5.173	164.6	10.09	4.83	29.86	0
4/9/2017 4:00	5.786	150.4	9.39	4.841	29.86	0
4/9/2017 4:15	4.62	148	6.938	4.734	29.86	0
4/9/2017 4:30	4.13	135.9	4.655	4.702	29.86	0
4/9/2017 4:45	4.093	137.8	7.667	4.712	29.86	0
4/9/2017 5:00	4.141	122.3	5.055	4.68	29.85	0
4/9/2017 5:15	3.563	138.3	25.98	4.639	29.85	0
4/9/2017 5:30	4.075	123.4	4.793	4.712	29.85	0
4/9/2017 5:45	4.434	127.7	7.285	4.677	29.85	0
4/9/2017 6:00	3.607	135.8	5.914	4.718	29.84	0
4/9/2017 6:15	2.76	139.8	10.68	4.208	29.84	0
4/9/2017 6:30	3.712	145.5	22.26	4.812	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
4/9/2017 6:45	2.939	136.2	8.72	5.009	29.84	0
4/9/2017 7:00	2.744	156.9	15.45	5.235	29.85	0
4/9/2017 7:15	3.678	174.1	18.21	5.26	29.85	0
4/9/2017 7:30	4.643	140.4	17.11	5.776	29.85	0
4/9/2017 7:45	3.881	121.1	15.07	6.449	29.85	0
4/9/2017 8:00	4.304	139.1	16.72	6.997	29.85	0
4/9/2017 8:15	4.261	144.3	12.8	7.51	29.85	0
4/9/2017 8:30	3.985	151.6	18.1	7.687	29.85	0
4/9/2017 8:45	5.019	181.8	32.12	7.781	29.85	0
4/9/2017 9:00	4.288	168.5	22.65	8.14	29.84	0
4/9/2017 9:15	3.912	163	40.88	8.26	29.84	0
4/9/2017 9:30	6.412	217.4	22.28	8.16	29.84	0
4/9/2017 9:45	1.865	234.7	53.45	8.71	29.84	0
4/9/2017 10:00	4.981	166.5	28.34	8.62	29.83	0
4/9/2017 10:15	6.45	205.9	21.11	8.91	29.83	0
4/9/2017 10:30	5.59	225.9	29.81	9.02	29.83	0
4/9/2017 10:45	4.01	156.8	61.91	9.18	29.83	0
4/9/2017 11:00	5.374	137.2	31.22	9.51	29.81	0
4/9/2017 11:15	3.968	138.9	35.5	9.66	29.81	0
4/9/2017 11:30	3.482	165.1	73.5	10.09	29.81	0
4/9/2017 11:45	4.427	213.9	63.21	10.1	29.81	0
4/9/2017 12:00	6.974	137.8	15.77	10.2	29.79	0
4/9/2017 12:15	4.88	148.1	41.1	10.17	29.79	0
4/9/2017 12:30	4.901	189.1	32.96	10.42	29.79	0
4/9/2017 12:45	3.853	196.9	45.15	10.36	29.79	0
4/9/2017 13:00	4.831	199	29.73	10.84	29.76	0
4/9/2017 13:15	5.185	242.1	19.48	11.58	29.76	0
4/9/2017 13:30	3.985	256.5	29.14	11.72	29.76	0
4/9/2017 13:45	4.647	277.8	32.35	11.98	29.76	0
4/9/2017 14:00	5.631	213.5	32.64	12.22	29.73	0
4/9/2017 14:15	7.029	205.8	16.93	12.2	29.73	0
4/9/2017 14:30	5.495	230.4	18.33	12.18	29.73	0
4/9/2017 14:45	3.102	260.4	36.47	12.16	29.73	0
4/9/2017 15:00	4.634	283.1	52.93	12.58	29.69	0
4/9/2017 15:15	4.155	276.5	21.46	12.71	29.69	0
4/9/2017 15:30	3.771	282.4	32.29	12.8	29.69	0
4/9/2017 15:45	5.325	255.8	27.22	12.35	29.69	0
4/9/2017 16:00	5.517	261.2	23.16	12.38	29.66	0
4/9/2017 16:15	4.302	299.3	21.35	12.37	29.66	0
4/9/2017 16:30	2.833	319.6	25.62	12.42	29.66	0
4/9/2017 16:45	2.591	336	16.94	12.18	29.66	0
4/9/2017 17:00	1.169	338.3	13.23	12.18	29.64	0
4/9/2017 17:15	2.37	221.4	46.88	12.12	29.64	0
4/9/2017 17:30	3.541	164.7	17.61	11.77	29.64	0
4/9/2017 17:45	3.463	187.5	16.65	11.73	29.64	0
4/9/2017 18:00	4.51	195.3	9.5	11.64	29.63	0
4/9/2017 18:15	3.594	177.2	13.51	11.5	29.63	0
4/9/2017 18:30	2.786	136.1	24.45	11.2	29.63	0
4/9/2017 18:45	4.031	164.2	15.15	10.99	29.63	0
4/9/2017 19:00	3.381	145.8	22.66	10.78	29.63	0
4/9/2017 19:15	2.816	135.6	20.76	10.66	29.63	0
4/9/2017 19:30	2.197	103.8	3.637	10.15	29.63	0
4/9/2017 19:45	3.558	80.3	24.94	9.94	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
4/9/2017 20:00	2.126	68.33	3.354	9.97	29.62	0
4/9/2017 20:15	1.068	73.5	4.537	10.1	29.62	0
4/9/2017 20:30	2.783	126	14.67	10.45	29.62	0
4/9/2017 20:45	4.627	209.4	30.39	9.79	29.62	0
4/9/2017 21:00	4.497	231.1	9.12	9.65	29.62	0
4/9/2017 21:15	5.534	220	23.72	9.78	29.62	0
4/9/2017 21:30	2.684	177.3	43.3	9.33	29.62	0
4/9/2017 21:45	3.863	98.7	12.62	8.72	29.62	0
4/9/2017 22:00	2.901	71.19	21.43	9.12	29.58	0
4/9/2017 22:15	3.094	24.57	12.38	8.97	29.58	0
4/9/2017 22:30	3.517	89.8	63.57	9.38	29.58	0
4/9/2017 22:45	9.1	146.8	22.02	9.66	29.58	0
4/9/2017 23:00	13.37	147.1	11.48	9.28	29.6	0
4/9/2017 23:15	12.01	129.9	19.16	8.71	29.6	0
4/9/2017 23:30	12.34	151.1	15.68	7.918	29.6	0
4/9/2017 23:45	9.93	139.7	10.25	7.387	29.6	0.02
4/10/2017 0:00	9.22	133.2	12.13	7.033	29.6	0.01
4/10/2017 0:15	5.36	151.2	23.83	6.975	29.6	0.01
4/10/2017 0:30	4.345	216.5	31.24	7.175	29.6	0
4/10/2017 0:45	7.857	201.3	11.65	6.943	29.6	0.01
4/10/2017 1:00	10.26	190.3	11.94	6.354	29.64	0.03
4/10/2017 1:15	6.306	205.4	10	5.889	29.64	0.02
4/10/2017 1:30	5.376	222.2	6.927	5.781	29.64	0.01
4/10/2017 1:45	3.974	184.1	22.1	5.591	29.64	0.03
4/10/2017 2:00	3.122	111	14.39	5.282	29.66	0.04
4/10/2017 2:15	5.22	116	17.72	5.178	29.66	0.01
4/10/2017 2:30	5.503	215.9	42.25	5.308	29.66	0.02
4/10/2017 2:45	4.633	140.1	15.03	5.342	29.66	0
4/10/2017 3:00	6.386	154.4	12.33	5.297	29.68	0
4/10/2017 3:15	6.653	157.2	8.27	5.437	29.68	0
4/10/2017 3:30	6.129	157.2	6.376	5.447	29.68	0
4/10/2017 3:45	5.259	153.2	5.167	5.247	29.68	0
4/10/2017 4:00	6.692	166.6	7.389	5.236	29.7	0
4/10/2017 4:15	5.815	169.9	12.01	5.439	29.7	0
4/10/2017 4:30	8.92	187.5	6.373	5.837	29.7	0
4/10/2017 4:45	9.57	189.6	7.601	5.92	29.7	0
4/10/2017 5:00	8.78	199.8	6.218	5.889	29.72	0
4/10/2017 5:15	8.13	199.1	6.116	5.625	29.72	0
4/10/2017 5:30	6.674	184.2	15.61	5.459	29.72	0
4/10/2017 5:45	5.798	164.8	12.13	5.17	29.72	0
4/10/2017 6:00	4.662	157	12.25	4.879	29.74	0
4/10/2017 6:15	4.056	142	9.05	4.614	29.74	0
4/10/2017 6:30	3.904	145.5	8.12	4.985	29.74	0
4/10/2017 6:45	4.426	145.7	9.13	5.744	29.74	0
4/10/2017 7:00	6.742	142	7.969	5.951	29.75	0
4/10/2017 7:15	7.538	146.4	9.9	5.981	29.75	0
4/10/2017 7:30	7.964	152.9	8.41	6.657	29.75	0
4/10/2017 7:45	7.679	154.3	8.75	7.05	29.75	0
4/10/2017 8:00	7.09	149.9	10.26	7.493	29.75	0
4/10/2017 8:15	7.07	153.9	10.75	7.946	29.75	0
4/10/2017 8:30	6.254	146.4	13.67	7.961	29.75	0
4/10/2017 8:45	6.698	159.8	9.42	8.32	29.75	0
4/10/2017 9:00	6.135	147.6	13.61	8.53	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
4/10/2017 9:15	6.472	177.7	27.57	8.82	29.75	0
4/10/2017 9:30	14.29	198	28.69	7.792	29.75	0.01
4/10/2017 9:45	6.341	206.5	17.61	7.616	29.75	0
4/10/2017 10:00	3.716	118.5	44.72	8.15	29.74	0
4/10/2017 10:15	4.366	126.8	24.17	8.73	29.74	0
4/10/2017 10:30	3.473	126.8	19.97	8.88	29.74	0
4/10/2017 10:45	6.603	172.6	26.19	8.83	29.74	0
4/10/2017 11:00	9.45	209.1	16.21	9.51	29.74	0
4/10/2017 11:15	14.41	193.7	9.86	10.54	29.74	0
4/10/2017 11:30	19.57	190	10.87	9.98	29.74	0
4/10/2017 11:45	17.83	241	15.85	7.67	29.74	0.02
4/10/2017 12:00	8.57	250.3	18.33	7.784	29.76	0
4/10/2017 12:15	10.91	217	22.7	8.56	29.76	0
4/10/2017 12:30	14.34	192	14.73	8.91	29.76	0
4/10/2017 12:45	20.31	213.1	10.75	9.3	29.76	0
4/10/2017 13:00	21.95	199.7	10.24	9.51	29.78	0
4/10/2017 13:15	22.94	217.3	17.28	8.4	29.78	0.01
4/10/2017 13:30	15.55	214.7	10.45	7.996	29.78	0
4/10/2017 13:45	17.05	217	13.84	8.38	29.78	0
4/10/2017 14:00	16.28	224.4	9.79	9.03	29.8	0
4/10/2017 14:15	16.08	223.1	11.91	8.89	29.8	0
4/10/2017 14:30	15.25	207.1	9.63	9.21	29.8	0
4/10/2017 14:45	18.99	216.2	12.01	9.3	29.8	0
4/10/2017 15:00	17.95	234.8	9.67	9.16	29.81	0
4/10/2017 15:15	16.06	223.3	7.848	9.11	29.81	0
4/10/2017 15:30	19.29	234.6	15	8.3	29.81	0
4/10/2017 15:45	14.67	248.2	12.4	8.88	29.81	0
4/10/2017 16:00	15.71	252.1	13.14	8.6	29.83	0
4/10/2017 16:15	12.19	245.8	12.95	9.05	29.83	0
4/10/2017 16:30	19.39	222.8	13.45	9.08	29.83	0
4/10/2017 16:45	13.33	202	10.47	8.56	29.83	0
4/10/2017 17:00	13.72	205.5	11.77	8.71	29.85	0
4/10/2017 17:15	10.1	182.6	28.49	8.62	29.85	0
4/10/2017 17:30	13.41	208.5	47.73	7.897	29.85	0
4/10/2017 17:45	14.18	241.2	10.38	7.591	29.85	0.01
4/10/2017 18:00	8.4	241.6	9.57	7.87	29.86	0
4/10/2017 18:15	8.64	216.7	15.01	7.84	29.86	0
4/10/2017 18:30	16.5	205.2	8.31	8.17	29.86	0
4/10/2017 18:45	16.57	204.8	8.22	7.904	29.86	0
4/10/2017 19:00	15.13	200.6	10.18	7.587	29.89	0
4/10/2017 19:15	11.43	201.6	7.528	7.384	29.89	0
4/10/2017 19:30	11.91	193.4	11.37	7.399	29.89	0
4/10/2017 19:45	11.74	201.3	9.12	7.307	29.89	0
4/10/2017 20:00	8.72	197	7.935	7.093	29.91	0
4/10/2017 20:15	9.23	214	7.056	7.173	29.91	0
4/10/2017 20:30	5.899	181.4	28.1	7.003	29.91	0
4/10/2017 20:45	3.663	115	12.89	6.205	29.91	0
4/10/2017 21:00	5.054	124.6	12.21	5.961	29.91	0
4/10/2017 21:15	4.001	133.6	17.68	5.893	29.91	0
4/10/2017 21:30	3.848	154.6	16.79	5.749	29.91	0
4/10/2017 21:45	5.296	155.1	8.14	5.749	29.91	0
4/10/2017 22:00	4.905	158.7	10.62	5.479	29.92	0
4/10/2017 22:15	3.461	178.3	11.89	5.785	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
4/10/2017 22:30	6.249	190.3	6.874	6.067	29.92	0
4/10/2017 22:45	4.595	174.7	12.1	5.794	29.92	0
4/10/2017 23:00	3.546	139.6	6.986	5.478	29.92	0
4/10/2017 23:15	5.263	135.7	6.309	5.505	29.92	0
4/10/2017 23:30	5.824	159.2	9.45	5.224	29.92	0
4/10/2017 23:45	5.808	174.6	7.644	5.108	29.92	0
4/11/2017 0:00	4.468	161.7	7.949	5.096	29.93	0
4/11/2017 0:15	2.158	112	17.49	5.264	29.93	0
4/11/2017 0:30	4.241	124.7	6.123	5.15	29.93	0
4/11/2017 0:45	4.921	138.6	7.243	5.155	29.93	0
4/11/2017 1:00	4.922	148	8.9	5.257	29.91	0
4/11/2017 1:15	5.792	149.7	9.44	4.894	29.91	0
4/11/2017 1:30	5.086	131.9	7.136	4.602	29.91	0
4/11/2017 1:45	4.878	109.1	8.92	4.554	29.91	0
4/11/2017 2:00	5.184	107.9	4.988	4.476	29.89	0
4/11/2017 2:15	3.793	101.2	10.21	4.626	29.89	0
4/11/2017 2:30	1.336	72.13	2.005	4.173	29.89	0
4/11/2017 2:45	2.371	54.37	11.03	4.378	29.89	0
4/11/2017 3:00	4.509	25.39	5.515	3.777	29.85	0
4/11/2017 3:15	5.27	22.61	7.773	2.989	29.85	0
4/11/2017 3:30	4.957	25.39	11.27	2.901	29.85	0
4/11/2017 3:45	4.016	42.4	9.16	2.02	29.85	0
4/11/2017 4:00	4.157	66.25	7.982	1.895	29.82	0
4/11/2017 4:15	5.103	60.13	16.04	1.982	29.82	0
4/11/2017 4:30	3.337	30.58	12.57	1.803	29.82	0
4/11/2017 4:45	2.649	73.24	12.14	2.205	29.82	0
4/11/2017 5:00	3.941	47.43	9.88	2.126	29.8	0
4/11/2017 5:15	4.169	29.5	7.637	1.937	29.8	0
4/11/2017 5:30	2.8	21.67	10.46	1.744	29.8	0
4/11/2017 5:45	4.925	19.95	5.133	1.573	29.8	0
4/11/2017 6:00	4.521	37.35	9.85	1.601	29.79	0
4/11/2017 6:15	5.075	35.23	7.674	1.531	29.79	0
4/11/2017 6:30	5.638	31.11	6.098	1.308	29.79	0
4/11/2017 6:45	4.57	31.35	7.22	1.377	29.79	0
4/11/2017 7:00	5.26	31.3	7.843	1.566	29.76	0
4/11/2017 7:15	4.552	32.84	6.682	1.761	29.76	0
4/11/2017 7:30	4.521	34.06	13.16	2.151	29.76	0
4/11/2017 7:45	4.948	39.96	11	2.794	29.76	0
4/11/2017 8:00	4.697	39.57	8.54	3.641	29.74	0
4/11/2017 8:15	3.375	42.03	15.09	4.875	29.74	0
4/11/2017 8:30	3.282	31.56	12.39	5.802	29.74	0
4/11/2017 8:45	3.552	29.26	14.14	6.62	29.74	0
4/11/2017 9:00	5.079	29.75	7.95	7.195	29.71	0
4/11/2017 9:15	5.581	29.86	9.87	7.6	29.71	0
4/11/2017 9:30	6.684	29.52	9.41	8.23	29.71	0
4/11/2017 9:45	6.417	35.02	6.871	8.99	29.71	0
4/11/2017 10:00	7.202	29.93	9.37	9.49	29.69	0
4/11/2017 10:15	8.34	23.96	10.71	9.97	29.69	0
4/11/2017 10:30	7.269	27.4	11.07	10.65	29.69	0
4/11/2017 10:45	9.39	31.6	12.1	11.18	29.69	0
4/11/2017 11:00	7.996	31.28	16.49	11.69	29.64	0
4/11/2017 11:15	9.86	23.07	12.72	11.7	29.64	0
4/11/2017 11:30	10.24	25.37	19.29	12.04	29.64	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
4/11/2017 11:45	12.92	18.46	11.9	12.14	29.64	0
4/11/2017 12:00	10.27	29.35	17.96	12.45	29.61	0
4/11/2017 12:15	10.29	24.36	17.81	12.6	29.61	0
4/11/2017 12:30	7.763	62.26	20.31	12.92	29.61	0
4/11/2017 12:45	11.01	16.36	19.84	13.29	29.61	0
4/11/2017 13:00	13.9	36.15	18.69	13.09	29.56	0
4/11/2017 13:15	14.94	23.54	9	13.05	29.56	0
4/11/2017 13:30	13.85	26.16	9.33	13.32	29.56	0
4/11/2017 13:45	11.98	42.31	14.64	13.76	29.56	0
4/11/2017 14:00	14.09	30.23	10.86	13.69	29.53	0
4/11/2017 14:15	11.54	41.27	14.61	13.8	29.53	0
4/11/2017 14:30	9.82	43.56	27.9	13.99	29.53	0
4/11/2017 14:45	5.817	71.24	21.26	14.85	29.53	0
4/11/2017 15:00	10.24	94	15.92	15.16	29.51	0
4/11/2017 15:15	9.15	91.1	22.13	15.23	29.51	0
4/11/2017 15:30	8.42	90.7	16.32	15.24	29.51	0
4/11/2017 15:45	6.428	89.3	23.43	15.19	29.51	0
4/11/2017 16:00	8.01	90.9	21.83	14.99	29.51	0
4/11/2017 16:15	7.26	102.8	18.93	14.84	29.51	0
4/11/2017 16:30	8.58	115.1	14.74	14.77	29.51	0
4/11/2017 16:45	10.3	129.7	14.07	14.5	29.51	0
4/11/2017 17:00	11.34	129.5	11.22	14.28	29.5	0
4/11/2017 17:15	10.34	112.8	14.67	14.12	29.5	0
4/11/2017 17:30	7.322	104.6	16.95	13.95	29.5	0
4/11/2017 17:45	7.806	98.5	16.11	13.78	29.5	0
4/11/2017 18:00	7.981	103	13.28	13.62	29.48	0
4/11/2017 18:15	14.01	111.3	13.41	13.57	29.48	0
4/11/2017 18:30	11.77	109.3	13.19	13.46	29.48	0
4/11/2017 18:45	11.18	112.6	13.49	13.32	29.48	0
4/11/2017 19:00	12.53	116.2	11.88	13.26	29.45	0
4/11/2017 19:15	10.23	111.8	15.42	13.15	29.45	0
4/11/2017 19:30	9.97	113.5	13.7	13.04	29.45	0
4/11/2017 19:45	6.972	109.3	13.1	12.85	29.45	0
4/11/2017 20:00	6.745	103.4	12.37	12.71	29.42	0
4/11/2017 20:15	8.72	104.8	13.71	12.73	29.42	0
4/11/2017 20:30	10.71	111.6	13.58	12.74	29.42	0
4/11/2017 20:45	11.78	116.9	15.55	12.71	29.42	0
4/11/2017 21:00	9.68	124.5	10.12	12.6	29.41	0
4/11/2017 21:15	9.34	110	15.03	12.57	29.41	0
4/11/2017 21:30	8.58	102	17.58	12.41	29.41	0
4/11/2017 21:45	6.748	88.6	18.54	12.02	29.41	0
4/11/2017 22:00	7.323	95.4	23.53	12.07	29.37	0
4/11/2017 22:15	6.222	93.7	20.84	12.21	29.37	0
4/11/2017 22:30	11.24	102.9	21.53	12.52	29.37	0
4/11/2017 22:45	9.57	106.8	13.81	12.6	29.37	0
4/11/2017 23:00	5.111	121.3	18.98	12.39	29.34	0
4/11/2017 23:15	4.657	138.8	13.91	12.19	29.34	0
4/11/2017 23:30	4.458	142.5	19.48	12.02	29.34	0
4/11/2017 23:45	4.2	145.4	22	11.84	29.34	0
4/12/2017 0:00	3.75	101.1	32.37	11.36	29.32	0
4/12/2017 0:15	3.799	69.53	35.95	10.52	29.32	0
4/12/2017 0:30	4.083	57.42	25.07	9.69	29.32	0
4/12/2017 0:45	3.704	44.87	15.68	9.51	29.32	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
4/12/2017 1:00	3.962	44.51	39.2	9.02	29.3	0
4/12/2017 1:15	3.972	40.26	27.39	8.68	29.3	0.01
4/12/2017 1:30	3.757	70.04	28.45	8.27	29.3	0
4/12/2017 1:45	3.57	63.33	26.27	7.793	29.3	0.01
4/12/2017 2:00	4.999	13.82	18.24	7.489	29.26	0.01
4/12/2017 2:15	4.714	28.73	30.32	7.07	29.26	0.01
4/12/2017 2:30	3.238	52.21	30.11	7.827	29.26	0.01
4/12/2017 2:45	7.919	135.7	16.81	8.81	29.26	0.02
4/12/2017 3:00	10.53	136	15.58	8.99	29.25	0.02
4/12/2017 3:15	10.03	158.3	14.85	9	29.25	0.02
4/12/2017 3:30	8.88	146.2	11.94	8.81	29.25	0.02
4/12/2017 3:45	11.65	142.9	11.44	8.81	29.25	0.02
4/12/2017 4:00	11.42	126.5	10.57	8.6	29.25	0.02
4/12/2017 4:15	10.67	124.9	15.44	8.64	29.25	0.01
4/12/2017 4:30	8.5	99.7	23.88	8.2	29.25	0.01
4/12/2017 4:45	7.969	120.8	14.76	8.36	29.25	0
4/12/2017 5:00	13.6	135.2	10.93	8.93	29.25	0.01
4/12/2017 5:15	13.23	129.8	10.56	8.81	29.25	0.02
4/12/2017 5:30	12.25	131.6	11.51	8.76	29.25	0.01
4/12/2017 5:45	12.33	126.6	10.3	8.82	29.25	0.01
4/12/2017 6:00	12.22	143.3	10.81	8.9	29.28	0.01
4/12/2017 6:15	11.67	153	12.85	8.78	29.28	0
4/12/2017 6:30	9.84	159.6	12.96	8.57	29.28	0.01
4/12/2017 6:45	8.27	148.3	9.87	8.8	29.28	0
4/12/2017 7:00	7.89	150	7.367	8.78	29.34	0.01
4/12/2017 7:15	7.915	155.8	6.149	8.82	29.34	0
4/12/2017 7:30	8.38	151.9	7.225	8.82	29.34	0.02
4/12/2017 7:45	6.619	144.9	8.57	8.85	29.34	0.01
4/12/2017 8:00	8.03	156.2	7.552	9.23	29.38	0
4/12/2017 8:15	6.727	186.3	16.85	9.04	29.38	0.01
4/12/2017 8:30	10.05	171.5	8.37	9.65	29.38	0
4/12/2017 8:45	8.71	181.3	7.083	9.9	29.38	0
4/12/2017 9:00	8.46	170.7	8.37	10.13	29.42	0
4/12/2017 9:15	10.94	165.9	6.904	10.54	29.42	0.01
4/12/2017 9:30	11.46	174.1	10.59	10.91	29.42	0
4/12/2017 9:45	8.89	174.7	12.34	10.95	29.42	0
4/12/2017 10:00	9.26	188.2	16.91	11.02	29.44	0
4/12/2017 10:15	9.67	200.2	9.66	11.27	29.44	0
4/12/2017 10:30	7.494	199.8	14.41	11.72	29.44	0
4/12/2017 10:45	8.17	192.1	12.26	11.83	29.44	0
4/12/2017 11:00	8.5	191.5	11.62	11.7	29.45	0
4/12/2017 11:15	10.88	183.6	10.58	11.69	29.45	0
4/12/2017 11:30	10.6	196.8	18.19	11.92	29.45	0
4/12/2017 11:45	11.18	193.7	26.41	12.3	29.45	0
4/12/2017 12:00	7.253	138.9	14.46	12.37	29.44	0
4/12/2017 12:15	7.406	139.5	10.64	12.71	29.44	0
4/12/2017 12:30	6.152	140	43.16	12.76	29.44	0
4/12/2017 12:45	4.637	118.2	22.22	13.34	29.44	0
4/12/2017 13:00	6.114	119.1	29.57	13.96	29.4	0
4/12/2017 13:15	8.67	143.6	29.42	14.34	29.4	0
4/12/2017 13:30	9.05	149.7	22.26	14.31	29.4	0
4/12/2017 13:45	6.886	143.8	19.13	14.42	29.4	0
4/12/2017 14:00	8.42	136.1	12.66	14.33	29.38	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
4/12/2017 14:15	5.266	135.1	23.35	14.74	29.38	0
4/12/2017 14:30	5.818	174.2	78.61	14.83	29.38	0
4/12/2017 14:45	8.39	279.4	11.88	14.07	29.38	0
4/12/2017 15:00	5.885	288	7.744	14.42	29.36	0
4/12/2017 15:15	6.391	290.6	8.32	14.42	29.36	0
4/12/2017 15:30	4.802	346.5	22.8	14.69	29.36	0
4/12/2017 15:45	5.369	16.62	28.41	14.51	29.36	0
4/12/2017 16:00	5.327	21.82	7.18	14.14	29.34	0
4/12/2017 16:15	5.319	30.02	8.68	13.92	29.34	0
4/12/2017 16:30	5.203	15.63	11.36	13.98	29.34	0
4/12/2017 16:45	5.259	12.46	16.14	14.53	29.34	0
4/12/2017 17:00	6.51	25.18	7.216	13.86	29.32	0
4/12/2017 17:15	5.139	16.78	14.3	13.48	29.32	0
4/12/2017 17:30	3.331	306.3	31.43	13.95	29.32	0
4/12/2017 17:45	8.51	266.8	7.582	13.73	29.32	0
4/12/2017 18:00	6.927	299	22.78	12.91	29.3	0
4/12/2017 18:15	5.054	23.09	23.77	12.18	29.3	0
4/12/2017 18:30	5.542	98.3	22.41	11.77	29.3	0
4/12/2017 18:45	5.005	141.7	26.66	11.37	29.3	0.04
4/12/2017 19:00	14.37	245.2	24.15	9.73	29.34	0.02
4/12/2017 19:15	8.99	253.6	12.19	8.2	29.34	0.03
4/12/2017 19:30	2.257	218.9	79.42	7.966	29.34	0.02
4/12/2017 19:45	2.701	91	28.46	7.852	29.34	0.02
4/12/2017 20:00	2.418	65.58	20.87	7.725	29.36	0.01
4/12/2017 20:15	0.675	99.3	12.61	7.714	29.36	0
4/12/2017 20:30	1.463	116.4	6.336	7.786	29.36	0
4/12/2017 20:45	1.553	134.1	20.4	7.897	29.36	0
4/12/2017 21:00	1.904	177.2	17.58	7.93	29.35	0
4/12/2017 21:15	1.477	175.7	29.11	7.939	29.35	0.01
4/12/2017 21:30	5.712	215.2	12.51	8.09	29.35	0.02
4/12/2017 21:45	7.568	195.6	8.27	7.881	29.35	0.03
4/12/2017 22:00	6.442	153.4	12.41	7.774	29.35	0.02
4/12/2017 22:15	6.38	145.7	9	7.574	29.35	0.03
4/12/2017 22:30	6.278	148	7.316	7.435	29.35	0.02
4/12/2017 22:45	5.934	148.2	6.621	7.304	29.35	0.02
4/12/2017 23:00	4.606	144.4	7.931	7.181	29.34	0
4/12/2017 23:15	4.463	140.3	8.18	7.118	29.34	0.01
4/12/2017 23:30	2.935	143	8.1	7.034	29.34	0.01
4/12/2017 23:45	3.83	131.4	6.772	6.989	29.34	0.01
4/13/2017 0:00	4.03	113.7	7.941	6.955	29.34	0.01
4/13/2017 0:15	5.143	111.8	5.558	6.848	29.34	0.01
4/13/2017 0:30	4.344	153.6	55.62	6.965	29.34	0.01
4/13/2017 0:45	12.12	258.5	8.57	6.366	29.34	0.04
4/13/2017 1:00	9.39	258.3	8.08	6.139	29.37	0.01
4/13/2017 1:15	6.992	251.8	10.19	6.123	29.37	0.01
4/13/2017 1:30	4.539	238.2	12.89	6.086	29.37	0.01
4/13/2017 1:45	1.869	230.2	34.05	6.036	29.37	0
4/13/2017 2:00	1.757	83.6	41.08	5.879	29.36	0
4/13/2017 2:15	3.254	102.5	7.864	5.78	29.36	0.01
4/13/2017 2:30	3.562	139.1	16.51	5.664	29.36	0
4/13/2017 2:45	3.35	128.9	5.847	5.668	29.36	0
4/13/2017 3:00	2.844	114.8	10.97	5.542	29.38	0
4/13/2017 3:15	3.642	103	6.263	5.39	29.38	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
4/13/2017 3:30	4.163	111.1	13.16	5.487	29.38	0
4/13/2017 3:45	4.404	125.9	9.88	5.445	29.38	0.01
4/13/2017 4:00	5.521	136.2	6.522	5.661	29.38	0
4/13/2017 4:15	5.83	136	5.946	5.818	29.38	0
4/13/2017 4:30	5.447	129.1	8.18	5.874	29.38	0
4/13/2017 4:45	5.996	141.1	7.477	5.856	29.38	0
4/13/2017 5:00	5.911	144.4	9.53	5.955	29.38	0
4/13/2017 5:15	6.03	134	6.167	6.17	29.38	0
4/13/2017 5:30	6.478	136.1	7.292	6.367	29.38	0
4/13/2017 5:45	5.346	139.4	6.831	6.235	29.38	0
4/13/2017 6:00	3.83	159.6	24.92	6.248	29.39	0
4/13/2017 6:15	3.57	190.4	21.12	6.083	29.39	0
4/13/2017 6:30	3.164	147.8	17.93	6.206	29.39	0
4/13/2017 6:45	3.463	124.7	4.303	6.193	29.39	0
4/13/2017 7:00	3.076	133	9.34	6.713	29.41	0
4/13/2017 7:15	3.785	132.6	8.03	6.767	29.41	0
4/13/2017 7:30	3.217	120.2	6.434	6.676	29.41	0
4/13/2017 7:45	3.538	133.3	11.81	7.195	29.41	0
4/13/2017 8:00	3.283	134.5	10.36	7.55	29.42	0
4/13/2017 8:15	4.081	139.9	14.34	8.5	29.42	0
4/13/2017 8:30	4.853	160.9	21.77	9.16	29.42	0
4/13/2017 8:45	5.685	155.3	18.49	8.71	29.42	0
4/13/2017 9:00	6.799	182	18.37	8.73	29.43	0
4/13/2017 9:15	5.083	185.4	20.22	8.86	29.43	0
4/13/2017 9:30	5.518	179.9	21.93	8.97	29.43	0
4/13/2017 9:45	4.215	191.6	23.61	9.1	29.43	0
4/13/2017 10:00	5.656	178.9	22.01	9.18	29.44	0
4/13/2017 10:15	4.956	170.1	25.69	9.88	29.44	0
4/13/2017 10:30	8.6	198.8	19.16	10.16	29.44	0
4/13/2017 10:45	11.46	201.8	14.94	10.74	29.44	0
4/13/2017 11:00	12.99	221.1	16.09	10.92	29.45	0
4/13/2017 11:15	13.78	211.5	12.79	11.3	29.45	0
4/13/2017 11:30	15.54	219.2	8.39	11.17	29.45	0
4/13/2017 11:45	15.05	204.8	12.04	11.96	29.45	0
4/13/2017 12:00	18.55	228.5	14.59	10.56	29.46	0
4/13/2017 12:15	15.45	226.7	11.23	8.85	29.46	0.02
4/13/2017 12:30	13.9	239.7	9.54	9.12	29.46	0.01
4/13/2017 12:45	14.07	223.7	16.9	9.6	29.46	0
4/13/2017 13:00	16.04	202.1	10.94	9.04	29.49	0
4/13/2017 13:15	12.03	190.6	14.94	9.56	29.49	0
4/13/2017 13:30	14.09	197.2	17.7	9.92	29.49	0
4/13/2017 13:45	18.99	205.4	8.57	10.37	29.49	0
4/13/2017 14:00	14.37	212.2	12.56	10.48	29.51	0
4/13/2017 14:15	15.91	212.3	10.85	10.43	29.51	0
4/13/2017 14:30	16.29	213.2	9.73	10.3	29.51	0
4/13/2017 14:45	13.79	225.7	13.48	9.47	29.51	0
4/13/2017 15:00	10.98	188.4	26.44	8.59	29.53	0.02
4/13/2017 15:15	7.884	186.7	22.05	8.46	29.53	0
4/13/2017 15:30	4.333	152.2	21.38	8.37	29.53	0
4/13/2017 15:45	5.26	170.6	49.89	7.858	29.53	0.02
4/13/2017 16:00	13.9	217.8	10.57	7.553	29.57	0.01
4/13/2017 16:15	8.83	215.3	14.02	7.448	29.57	0.02
4/13/2017 16:30	6.299	161.7	16.19	7.814	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
4/13/2017 16:45	5.056	143.5	10.5	7.604	29.57	0
4/13/2017 17:00	6.272	148.8	10.18	7.463	29.57	0
4/13/2017 17:15	11.3	215.5	37.12	7.139	29.57	0.04
4/13/2017 17:30	11.54	249.9	8.78	4.947	29.57	0.07
4/13/2017 17:45	4.502	126.5	66.06	4.948	29.57	0.04
4/13/2017 18:00	2.126	57.87	14.63	4.642	29.61	0
4/13/2017 18:15	3.205	120.5	16.06	5.136	29.61	0
4/13/2017 18:30	6.076	130.2	13.3	5.384	29.61	0.02
4/13/2017 18:45	5.617	135.8	7.744	5.537	29.61	0
4/13/2017 19:00	5.177	119.2	15.38	5.458	29.64	0
4/13/2017 19:15	6.273	120.2	9.3	5.298	29.64	0
4/13/2017 19:30	5.638	131.5	7.461	5.266	29.64	0
4/13/2017 19:45	5.521	140.8	9.46	5.293	29.64	0
4/13/2017 20:00	5.168	142.8	10.46	5.466	29.67	0
4/13/2017 20:15	7.074	139.6	8.5	5.425	29.67	0
4/13/2017 20:30	8.05	144.9	8.44	5.394	29.67	0
4/13/2017 20:45	6.522	142.4	8.07	5.298	29.67	0
4/13/2017 21:00	5.796	149.3	8.67	5.202	29.69	0
4/13/2017 21:15	4.905	141.9	7.133	5.089	29.69	0
4/13/2017 21:30	5.154	132.6	10.38	5.018	29.69	0
4/13/2017 21:45	7.97	127.3	8.12	5.15	29.69	0
4/13/2017 22:00	6.457	134.7	8.64	5.296	29.7	0
4/13/2017 22:15	6.373	145.2	10.16	5.444	29.7	0
4/13/2017 22:30	7.22	150.8	7.372	5.506	29.7	0
4/13/2017 22:45	6.29	163.5	10.15	5.464	29.7	0
4/13/2017 23:00	5.898	163.5	9.77	5.005	29.71	0
4/13/2017 23:15	4.298	149	8.11	4.941	29.71	0
4/13/2017 23:30	4.358	165	16.81	5.068	29.71	0
4/13/2017 23:45	7.286	188	6.575	5.296	29.71	0
4/14/2017 0:00	7.994	186	9.4	5.453	29.74	0
4/14/2017 0:15	7.291	190	7.489	5.514	29.74	0
4/14/2017 0:30	6.932	176.8	10.02	5.4	29.74	0
4/14/2017 0:45	6.68	172.8	12.23	5.275	29.74	0
4/14/2017 1:00	5.492	149.6	9.71	5.162	29.75	0
4/14/2017 1:15	4.952	135.6	7.484	4.971	29.75	0
4/14/2017 1:30	4.885	130.8	8.71	4.999	29.75	0.01
4/14/2017 1:45	5.275	142.6	9.16	5.042	29.75	0
4/14/2017 2:00	7.058	158.6	7.085	5.201	29.76	0
4/14/2017 2:15	6.716	158.4	5.999	5.107	29.76	0
4/14/2017 2:30	7.326	172	11.23	5.275	29.76	0
4/14/2017 2:45	7.2	188	7.664	5.363	29.76	0
4/14/2017 3:00	6.645	184.9	5.458	4.957	29.76	0
4/14/2017 3:15	4.384	156.7	14.6	4.634	29.76	0
4/14/2017 3:30	5.243	146	8.17	4.638	29.76	0
4/14/2017 3:45	7.367	179.2	14.24	5.131	29.76	0
4/14/2017 4:00	7.767	187.1	7.052	5.21	29.77	0
4/14/2017 4:15	4.197	155.5	15.95	4.838	29.77	0
4/14/2017 4:30	3.271	159.6	17.03	4.85	29.77	0
4/14/2017 4:45	7.707	183.1	6.12	5.29	29.77	0
4/14/2017 5:00	7.176	182.7	8.33	5.318	29.79	0
4/14/2017 5:15	6.631	187.4	7.477	5.295	29.79	0
4/14/2017 5:30	5.314	188.4	6.063	5.273	29.79	0
4/14/2017 5:45	5.458	181.4	7.608	5.218	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
4/14/2017 6:00	4.574	170.3	10.66	5.002	29.81	0
4/14/2017 6:15	2.176	156.3	18.64	4.955	29.81	0
4/14/2017 6:30	4.428	144.1	9.04	4.952	29.81	0
4/14/2017 6:45	4.617	168.3	18.4	5.207	29.81	0
4/14/2017 7:00	6.2	183.6	10.88	5.317	29.83	0
4/14/2017 7:15	6.554	185.2	10.75	5.3	29.83	0
4/14/2017 7:30	7.874	191.1	9.32	5.35	29.83	0
4/14/2017 7:45	8.59	188.7	8.69	5.347	29.83	0
4/14/2017 8:00	8.4	191.8	7.781	5.489	29.86	0
4/14/2017 8:15	9.47	193.1	9.63	5.848	29.86	0
4/14/2017 8:30	9.44	194.2	9.46	6.123	29.86	0
4/14/2017 8:45	10.58	192.5	9.12	6.397	29.86	0
4/14/2017 9:00	11.27	204.9	6.737	6.38	29.88	0
4/14/2017 9:15	11.19	198.3	9.98	6.62	29.88	0
4/14/2017 9:30	9.51	195.7	10.86	6.905	29.88	0
4/14/2017 9:45	11.72	205.4	12.14	7.609	29.88	0
4/14/2017 10:00	13.6	208.8	7.777	7.692	29.89	0
4/14/2017 10:15	10.78	205.4	12.55	8.01	29.89	0
4/14/2017 10:30	11.37	213.6	12.64	8.41	29.89	0
4/14/2017 10:45	13.89	205.8	10.85	8.59	29.89	0
4/14/2017 11:00	14.51	188.7	11.48	8.56	29.89	0
4/14/2017 11:15	12.22	192.6	26.75	8.45	29.89	0
4/14/2017 11:30	12.73	237.7	11.98	6.679	29.89	0.01
4/14/2017 11:45	3.713	214.5	19.38	7.481	29.89	0
4/14/2017 12:00	5.896	223.1	14.84	8.04	29.9	0
4/14/2017 12:15	16.52	243	11.7	7.401	29.9	0
4/14/2017 12:30	16.88	245.3	8.06	6.164	29.9	0.01
4/14/2017 12:45	14.06	222.6	14.19	6.336	29.9	0
4/14/2017 13:00	10.74	208.4	15.48	7.086	29.92	0
4/14/2017 13:15	12.81	206.4	9.85	7.224	29.92	0
4/14/2017 13:30	10.73	198.3	13	7.655	29.92	0
4/14/2017 13:45	9.51	203.4	16.17	7.907	29.92	0
4/14/2017 14:00	11.39	207.4	10.18	8.03	29.93	0
4/14/2017 14:15	13.76	203.2	8.42	8.05	29.93	0
4/14/2017 14:30	9.88	197.1	15.92	8.31	29.93	0
4/14/2017 14:45	13.19	209.4	15.23	8.2	29.93	0
4/14/2017 15:00	12.21	202.3	12.74	8.17	29.93	0
4/14/2017 15:15	15.73	202.2	11.05	8.35	29.93	0
4/14/2017 15:30	15.53	191.9	15.41	8.28	29.93	0
4/14/2017 15:45	14.61	201	8.44	7.787	29.93	0
4/14/2017 16:00	13.5	194.2	13.52	7.031	29.95	0
4/14/2017 16:15	12.17	169.5	12.59	6.409	29.95	0
4/14/2017 16:30	10.78	160.1	9.39	6.448	29.95	0
4/14/2017 16:45	11.22	156	9.43	6.465	29.95	0
4/14/2017 17:00	10.25	168.8	10.65	6.826	29.95	0
4/14/2017 17:15	12.04	162.9	8.96	7.213	29.95	0
4/14/2017 17:30	12.39	182.7	15.2	7.395	29.95	0
4/14/2017 17:45	14.71	173	10.01	7.011	29.95	0
4/14/2017 18:00	12.63	176.7	12.79	6.785	29.97	0
4/14/2017 18:15	13.94	173.4	11.01	6.482	29.97	0
4/14/2017 18:30	12.34	170.4	16.38	5.989	29.97	0
4/14/2017 18:45	11.17	154.4	8.59	5.63	29.97	0
4/14/2017 19:00	8.24	152.7	9.23	5.442	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
4/14/2017 19:15	9.82	158.2	8.92	5.442	29.98	0
4/14/2017 19:30	8.96	158.6	11.06	5.413	29.98	0
4/14/2017 19:45	7.558	147.3	11.88	5.423	29.98	0
4/14/2017 20:00	6.507	150.1	10.11	5.282	30	0
4/14/2017 20:15	5.329	139.6	10.12	5.13	30	0
4/14/2017 20:30	5.843	141.6	16.65	5.068	30	0
4/14/2017 20:45	7.704	150.6	9.46	5.075	30	0
4/14/2017 21:00	9.57	155	7.381	4.816	30.01	0
4/14/2017 21:15	6.292	139.7	13.34	4.675	30.01	0
4/14/2017 21:30	5.074	138.7	8.78	4.626	30.01	0
4/14/2017 21:45	6.326	142.7	9.34	4.625	30.01	0
4/14/2017 22:00	6.88	146.6	7.814	4.597	30.02	0
4/14/2017 22:15	9.47	159.5	8.08	4.644	30.02	0
4/14/2017 22:30	8.68	158.2	7.637	4.669	30.02	0
4/14/2017 22:45	7.852	153.4	10.1	4.611	30.02	0
4/14/2017 23:00	6.831	151	8.37	4.574	30.03	0
4/14/2017 23:15	6.197	141.8	9.25	4.757	30.03	0
4/14/2017 23:30	6.368	145.8	8.45	4.83	30.03	0
4/14/2017 23:45	6.21	140.4	12.77	4.831	30.03	0
4/15/2017 0:00	4.892	139.8	13.16	4.736	30.04	0
4/15/2017 0:15	6.25	153.9	8.51	4.925	30.04	0
4/15/2017 0:30	6.459	157.1	8.29	5.102	30.04	0
4/15/2017 0:45	5.664	182.9	21	5.247	30.04	0
4/15/2017 1:00	9.01	191.4	8.29	5.344	30.04	0
4/15/2017 1:15	8.89	187.4	7.055	5.202	30.04	0
4/15/2017 1:30	8.25	184.6	8.4	5.105	30.04	0
4/15/2017 1:45	5.886	179.6	9.12	5.003	30.04	0
4/15/2017 2:00	5.325	158.8	8.67	4.766	30.04	0
4/15/2017 2:15	3.512	152.2	14.47	4.757	30.04	0
4/15/2017 2:30	3.078	149.2	10.36	4.843	30.04	0
4/15/2017 2:45	3.242	148	11.88	4.778	30.04	0
4/15/2017 3:00	4.138	144.6	9.09	4.751	30.05	0
4/15/2017 3:15	4.467	143.5	6.493	4.818	30.05	0
4/15/2017 3:30	4.861	146.7	8.08	4.689	30.05	0
4/15/2017 3:45	4.793	146.2	8.55	4.702	30.05	0
4/15/2017 4:00	6.276	152.4	8.31	4.763	30.04	0
4/15/2017 4:15	6.73	155.5	7.627	4.737	30.04	0
4/15/2017 4:30	6.159	159.7	8.81	4.61	30.04	0
4/15/2017 4:45	7.398	165.6	7.229	4.645	30.04	0
4/15/2017 5:00	7.241	157.2	11.09	4.724	30.04	0
4/15/2017 5:15	4.654	147.3	9.46	4.788	30.04	0
4/15/2017 5:30	4.835	141.1	7.487	4.894	30.04	0
4/15/2017 5:45	6.34	155.3	8.01	4.974	30.04	0
4/15/2017 6:00	5.962	149	10.11	5.008	30.05	0
4/15/2017 6:15	4.361	145.1	8.98	4.996	30.05	0
4/15/2017 6:30	3.659	143.2	8.31	5.157	30.05	0
4/15/2017 6:45	3.722	135.2	6.754	4.907	30.05	0
4/15/2017 7:00	3.777	132.4	7.123	4.997	30.06	0
4/15/2017 7:15	3.969	120.6	7.352	5.246	30.06	0
4/15/2017 7:30	3.909	115.6	6.675	5.656	30.06	0
4/15/2017 7:45	4.153	138.8	11.49	5.863	30.06	0
4/15/2017 8:00	3.786	132.6	12.99	6.573	30.06	0
4/15/2017 8:15	4.49	134.4	10.19	6.555	30.06	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
4/15/2017 8:30	4.789	144.4	14.59	6.66	30.06	0
4/15/2017 8:45	5.139	129.9	9.75	7.058	30.06	0
4/15/2017 9:00	5.366	142	16.45	7.22	30.07	0
4/15/2017 9:15	5.072	137.8	15.35	7.7	30.07	0
4/15/2017 9:30	4.646	114.6	35.75	7.772	30.07	0
4/15/2017 9:45	3.848	175.4	23.78	7.653	30.07	0
4/15/2017 10:00	2.299	231.2	32.22	7.93	30.07	0
4/15/2017 10:15	3.488	193.3	20.73	8.17	30.07	0
4/15/2017 10:30	3.174	164.2	26.3	8.86	30.07	0
4/15/2017 10:45	6.34	166.7	34.12	8.06	30.07	0
4/15/2017 11:00	3.578	174.9	59.12	7.693	30.06	0
4/15/2017 11:15	4.438	165.2	21.74	8.77	30.06	0
4/15/2017 11:30	3.697	144.9	48.93	9.82	30.06	0
4/15/2017 11:45	4.08	227.8	29.06	9.8	30.06	0
4/15/2017 12:00	4.503	206.7	43.63	10.18	30.04	0
4/15/2017 12:15	3.577	245.5	51.16	10.72	30.04	0
4/15/2017 12:30	4.845	262.5	30.04	10.74	30.04	0
4/15/2017 12:45	3.096	247.5	26.8	10.84	30.04	0
4/15/2017 13:00	2.083	265	55.59	11.6	30.02	0
4/15/2017 13:15	5.635	244.5	17.31	11.75	30.02	0
4/15/2017 13:30	3.603	214.7	35.63	11.76	30.02	0
4/15/2017 13:45	2.68	266.2	38.54	12.5	30.02	0
4/15/2017 14:00	2.895	298.9	46.58	12.33	30	0
4/15/2017 14:15	2.661	4.096	29.37	12.23	30	0
4/15/2017 14:30	8.21	37.29	18.29	11.72	30	0
4/15/2017 14:45	5.637	45.35	38.13	12.43	30	0
4/15/2017 15:00	7.333	19.7	12.65	12.1	29.96	0
4/15/2017 15:15	5.811	39.93	12.64	11.57	29.96	0
4/15/2017 15:30	7.764	42.64	12.42	11.99	29.96	0
4/15/2017 15:45	5.075	3.193	28.87	12.41	29.96	0
4/15/2017 16:00	6.822	335.5	13.94	12.74	29.95	0
4/15/2017 16:15	5.636	327.6	30.15	13.1	29.95	0
4/15/2017 16:30	5.027	279.7	39.78	12.96	29.95	0
4/15/2017 16:45	7.195	314.7	21.02	12.98	29.95	0
4/15/2017 17:00	7.142	318.3	13.64	12.86	29.93	0
4/15/2017 17:15	6.353	320	17.76	12.85	29.93	0
4/15/2017 17:30	5.045	335	12.73	12.72	29.93	0
4/15/2017 17:45	5.903	12.7	15.72	12.08	29.93	0
4/15/2017 18:00	6.611	20.75	13.05	11.61	29.92	0
4/15/2017 18:15	7.449	1.332	17.93	11.65	29.92	0
4/15/2017 18:30	7.054	0.443	14.81	11.38	29.92	0
4/15/2017 18:45	8.16	350.3	13.27	11.19	29.92	0
4/15/2017 19:00	5.297	353.5	12.46	10.64	29.9	0
4/15/2017 19:15	5.471	3.731	14.43	10.25	29.9	0
4/15/2017 19:30	3.791	29.98	8.27	9.59	29.9	0
4/15/2017 19:45	4.692	16.28	13.44	9.58	29.9	0
4/15/2017 20:00	4.192	23.7	12.57	9.3	29.89	0
4/15/2017 20:15	4.73	36.75	15.83	8.68	29.89	0
4/15/2017 20:30	5.423	33.81	14.65	8.33	29.89	0
4/15/2017 20:45	6.757	32.25	14.04	8.06	29.89	0
4/15/2017 21:00	5.174	38.66	15.74	8.21	29.88	0
4/15/2017 21:15	4.68	54.6	16.01	8.1	29.88	0
4/15/2017 21:30	5.566	26.21	14.36	8.44	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
4/15/2017 21:45	5.151	50.79	21.87	7.962	29.88	0
4/15/2017 22:00	6.119	62.1	8.39	7.409	29.87	0
4/15/2017 22:15	7.512	57.65	9.76	7.759	29.87	0
4/15/2017 22:30	5.764	59.93	15.91	7.424	29.87	0
4/15/2017 22:45	5.731	50.3	12.13	7.139	29.87	0
4/15/2017 23:00	4.987	69.25	24.63	6.411	29.85	0
4/15/2017 23:15	3.022	83.9	21.07	5.976	29.85	0
4/15/2017 23:30	3.483	62.6	9.32	6.423	29.85	0
4/15/2017 23:45	3.539	66.32	15.28	4.651	29.85	0
4/16/2017 0:00	4.407	77.02	20.34	4.991	29.82	0
4/16/2017 0:15	4.382	51.27	7.195	4.581	29.82	0
4/16/2017 0:30	4.618	44.4	4.96	4.248	29.82	0
4/16/2017 0:45	5.451	41.29	7.875	4.123	29.82	0
4/16/2017 1:00	5.377	47.43	8.16	3.924	29.79	0
4/16/2017 1:15	5.236	36.7	8.56	3.616	29.79	0
4/16/2017 1:30	5.409	24.78	7.557	3.679	29.79	0
4/16/2017 1:45	5.76	22.37	9.25	3.599	29.79	0
4/16/2017 2:00	6.83	19.82	7.712	3.341	29.76	0
4/16/2017 2:15	7.477	23.72	8.33	3.237	29.76	0
4/16/2017 2:30	8.57	30.7	10.02	3.349	29.76	0
4/16/2017 2:45	9.27	35.26	8.68	3.294	29.76	0
4/16/2017 3:00	8.15	35.43	8.31	3.505	29.72	0
4/16/2017 3:15	7.811	27.26	7.871	3.439	29.72	0
4/16/2017 3:30	8.1	29.97	8.02	3.282	29.72	0
4/16/2017 3:45	9.13	27.85	8.43	3.473	29.72	0
4/16/2017 4:00	9.39	29.76	7.009	3.686	29.69	0
4/16/2017 4:15	8.67	31.07	8.32	4.117	29.69	0
4/16/2017 4:30	8.56	30.75	7.826	4.215	29.69	0
4/16/2017 4:45	9.1	31.13	9.13	4.174	29.69	0
4/16/2017 5:00	8.24	29.81	9.41	4.179	29.67	0
4/16/2017 5:15	7.755	31.13	7.606	4.296	29.67	0
4/16/2017 5:30	7.52	25.91	8.21	4.494	29.67	0
4/16/2017 5:45	7.646	26.06	8.41	4.664	29.67	0
4/16/2017 6:00	7.959	28.05	8.22	4.496	29.66	0
4/16/2017 6:15	6.907	28.38	7.49	4.478	29.66	0
4/16/2017 6:30	6.541	25.85	8.82	4.453	29.66	0
4/16/2017 6:45	5.81	23.8	12.58	4.669	29.66	0
4/16/2017 7:00	6.172	52.42	24.88	5.906	29.65	0
4/16/2017 7:15	6.167	71.51	30.1	7.237	29.65	0
4/16/2017 7:30	4.941	72.98	26.72	8.19	29.65	0
4/16/2017 7:45	6.548	93.8	24.79	9.34	29.65	0
4/16/2017 8:00	6.062	78.59	28.03	9.23	29.63	0
4/16/2017 8:15	5.963	63.21	32.48	9.8	29.63	0
4/16/2017 8:30	6.29	75.37	28.51	10.98	29.63	0
4/16/2017 8:45	4.368	80.3	30.26	12.46	29.63	0
4/16/2017 9:00	5.749	94.9	21.38	13.52	29.61	0
4/16/2017 9:15	9.23	116.7	23.86	13.86	29.61	0
4/16/2017 9:30	11.83	115.7	23.82	14.21	29.61	0
4/16/2017 9:45	17.61	120.9	17.09	14.71	29.61	0
4/16/2017 10:00	14.65	122.5	18.87	14.94	29.59	0
4/16/2017 10:15	17.08	127.5	16.47	15.09	29.59	0
4/16/2017 10:30	14.79	129.6	16.02	14.83	29.59	0
4/16/2017 10:45	14.66	125.7	15.01	14.81	29.59	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
4/16/2017 11:00	16.3	128.5	14.33	14.79	29.56	0
4/16/2017 11:15	12.21	120	14.43	15.14	29.56	0
4/16/2017 11:30	12.22	120.9	17.94	15.71	29.56	0
4/16/2017 11:45	16.46	133.9	11.84	15.68	29.56	0
4/16/2017 12:00	15.76	128.6	14.68	15.9	29.53	0
4/16/2017 12:15	12.1	123.5	21.68	16.29	29.53	0
4/16/2017 12:30	13.57	124.2	18.76	16.19	29.53	0
4/16/2017 12:45	13.95	131.3	15.15	15.76	29.53	0
4/16/2017 13:00	14.67	129.3	18.44	15.87	29.51	0
4/16/2017 13:15	15.78	124.9	16.84	15.98	29.51	0
4/16/2017 13:30	16.56	128	14.23	15.94	29.51	0
4/16/2017 13:45	16.46	127.5	14.62	15.84	29.51	0
4/16/2017 14:00	14.9	132.4	12.9	16.11	29.48	0
4/16/2017 14:15	15.83	133.7	13.51	16.52	29.48	0
4/16/2017 14:30	13.63	124.7	16.73	16.72	29.48	0
4/16/2017 14:45	14.14	135.8	14.87	16.6	29.48	0
4/16/2017 15:00	15.64	128	16.38	16.36	29.47	0
4/16/2017 15:15	13.84	126.1	14.07	16.03	29.47	0
4/16/2017 15:30	10.92	123.9	12.12	15.96	29.47	0
4/16/2017 15:45	9.28	114.6	15.19	15.95	29.47	0
4/16/2017 16:00	9.37	124	14.35	16.05	29.45	0
4/16/2017 16:15	10.76	117.7	16.11	16.19	29.45	0
4/16/2017 16:30	11.34	125.3	13.29	16.44	29.45	0
4/16/2017 16:45	13.28	129.8	13.06	16.13	29.45	0
4/16/2017 17:00	13.71	129.5	13.9	16	29.45	0
4/16/2017 17:15	11.98	120.4	16.26	15.98	29.45	0
4/16/2017 17:30	13.11	124.3	15.38	16.1	29.45	0
4/16/2017 17:45	10.78	123.6	11.28	15.9	29.45	0
4/16/2017 18:00	8.9	118.6	13.6	15.77	29.43	0
4/16/2017 18:15	9.99	121.5	12.02	15.6	29.43	0
4/16/2017 18:30	11.41	125.7	11.11	15.47	29.43	0
4/16/2017 18:45	11.15	126.4	12.01	15.43	29.43	0
4/16/2017 19:00	11.15	121.4	10.37	15.4	29.42	0
4/16/2017 19:15	10.99	119.4	13.73	15.37	29.42	0
4/16/2017 19:30	8.86	112	13.93	15.18	29.42	0
4/16/2017 19:45	8.57	115.7	11.3	15.11	29.42	0
4/16/2017 20:00	8.87	109.5	11.04	15.13	29.41	0
4/16/2017 20:15	9.36	113.3	9.73	15.09	29.41	0
4/16/2017 20:30	10.85	116.8	11.05	15.22	29.41	0
4/16/2017 20:45	9.66	115.5	11.72	15.12	29.41	0
4/16/2017 21:00	9.75	123.4	12.7	15.01	29.4	0
4/16/2017 21:15	12.15	125.8	10.62	15	29.4	0
4/16/2017 21:30	11.1	121.7	12.7	14.92	29.4	0
4/16/2017 21:45	10.92	127.8	13.32	14.82	29.4	0
4/16/2017 22:00	12.33	130	12.07	14.66	29.4	0
4/16/2017 22:15	13.32	132.5	11.29	14.36	29.4	0
4/16/2017 22:30	10.04	128.6	12.41	14.04	29.4	0
4/16/2017 22:45	9.63	122.1	9.1	13.97	29.4	0
4/16/2017 23:00	5.747	105.3	19.98	13.94	29.41	0
4/16/2017 23:15	5.782	80.7	20.58	13.85	29.41	0
4/16/2017 23:30	7.939	106.8	10.03	13.79	29.41	0
4/16/2017 23:45	6.116	110.8	11.64	13.84	29.41	0
4/17/2017 0:00	5.339	142.9	26.26	13.66	29.42	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
4/17/2017 0:15	5.319	206.3	11.66	12.93	29.42	0
4/17/2017 0:30	7.397	179	15.2	12.97	29.42	0
4/17/2017 0:45	10.25	151.8	13.66	12.92	29.42	0
4/17/2017 1:00	9.9	165.5	10.2	12.63	29.43	0
4/17/2017 1:15	8.9	167.5	14.17	12.2	29.43	0
4/17/2017 1:30	8.32	155	6.849	11.82	29.43	0
4/17/2017 1:45	8.53	154	6.711	11.7	29.43	0
4/17/2017 2:00	8.17	168.2	19.25	11.4	29.45	0
4/17/2017 2:15	8.71	192.1	8.09	11.02	29.45	0
4/17/2017 2:30	7.18	184	8.92	10.88	29.45	0
4/17/2017 2:45	6.823	196.4	14.04	10.78	29.45	0
4/17/2017 3:00	5.414	190.4	8.25	10.67	29.48	0
4/17/2017 3:15	5.095	185.2	11.4	10.59	29.48	0
4/17/2017 3:30	3.916	201	14.46	10.54	29.48	0
4/17/2017 3:45	2.97	228.6	14.65	10.46	29.48	0
4/17/2017 4:00	4.576	210.6	7.612	10.5	29.5	0
4/17/2017 4:15	4.732	204	4.627	10.33	29.5	0
4/17/2017 4:30	5.383	204.2	14.85	10.4	29.5	0
4/17/2017 4:45	6.591	206.2	7.947	10.37	29.5	0
4/17/2017 5:00	7.207	208.7	5.162	10.26	29.52	0
4/17/2017 5:15	5.908	204.6	7.289	10.02	29.52	0
4/17/2017 5:30	3.92	184.9	12.07	9.81	29.52	0
4/17/2017 5:45	3.788	198.1	19.52	9.77	29.52	0
4/17/2017 6:00	4.015	192.6	11.1	9.76	29.54	0
4/17/2017 6:15	5.486	184.6	10.88	10.03	29.54	0
4/17/2017 6:30	5.535	166.4	10.51	9.92	29.54	0
4/17/2017 6:45	5.568	144.9	7.354	10.08	29.54	0
4/17/2017 7:00	5.407	145.3	7.081	10.23	29.55	0
4/17/2017 7:15	4.946	137.7	5.779	10.28	29.55	0
4/17/2017 7:30	4.729	140	7.568	10.44	29.55	0
4/17/2017 7:45	5.213	145.3	7.647	10.67	29.55	0
4/17/2017 8:00	5.749	150	9.06	11.04	29.56	0
4/17/2017 8:15	5.464	149.6	10.36	11.28	29.56	0
4/17/2017 8:30	5.615	163.3	13.7	11.61	29.56	0
4/17/2017 8:45	5.874	174.9	19.96	11.92	29.56	0
4/17/2017 9:00	7.771	194.4	11.33	12.13	29.57	0
4/17/2017 9:15	9.06	189.5	11.68	12.29	29.57	0
4/17/2017 9:30	9	179.5	15.44	13.08	29.57	0
4/17/2017 9:45	6.995	193.5	19.88	13.46	29.57	0
4/17/2017 10:00	9.81	202.5	11.74	13.28	29.56	0
4/17/2017 10:15	14.69	207.8	12.78	13.51	29.56	0
4/17/2017 10:30	16.12	218.4	10	13.52	29.56	0
4/17/2017 10:45	18.7	220.6	10.26	12.73	29.56	0
4/17/2017 11:00	17.28	214.8	10.42	13.31	29.55	0
4/17/2017 11:15	16.81	205	10.78	13.81	29.55	0
4/17/2017 11:30	13.86	215.5	12.69	13.76	29.55	0
4/17/2017 11:45	10.43	205.9	13.78	14.31	29.55	0
4/17/2017 12:00	12.24	219.5	13.86	14.49	29.54	0
4/17/2017 12:15	10.56	212.9	14.99	14.61	29.54	0
4/17/2017 12:30	11.83	235.1	9.97	14.8	29.54	0
4/17/2017 12:45	12.56	228.1	11.06	14.68	29.54	0
4/17/2017 13:00	11.52	212.2	13.52	14.8	29.54	0
4/17/2017 13:15	12.78	210.7	11.32	14.93	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
4/17/2017 13:30	10.33	206.2	12.67	15	29.54	0
4/17/2017 13:45	11.32	202.3	15.06	14.66	29.54	0
4/17/2017 14:00	9.38	216.1	13.06	14.62	29.53	0
4/17/2017 14:15	12.14	216.9	10.86	14.58	29.53	0
4/17/2017 14:30	10.14	221.2	11.23	14.5	29.53	0
4/17/2017 14:45	9.81	243	15.08	14.07	29.53	0
4/17/2017 15:00	11.87	243.2	8.51	12.91	29.54	0.01
4/17/2017 15:15	7.863	268	8.24	12.14	29.54	0
4/17/2017 15:30	7.2	271.3	9.92	11.78	29.54	0
4/17/2017 15:45	5.826	278.2	12.44	11.24	29.54	0
4/17/2017 16:00	3.958	281.8	11.87	10.79	29.55	0.01
4/17/2017 16:15	3.427	278.9	23.11	10.61	29.55	0.01
4/17/2017 16:30	3.717	213.3	23.85	10.46	29.55	0.01
4/17/2017 16:45	3.646	119.3	18.27	10.33	29.55	0.01
4/17/2017 17:00	5.896	129.1	12.55	10.04	29.55	0.01
4/17/2017 17:15	6.128	123.5	8.73	9.92	29.55	0.01
4/17/2017 17:30	5.246	109.4	10.05	9.79	29.55	0
4/17/2017 17:45	5.585	126	13.2	9.94	29.55	0
4/17/2017 18:00	2.718	103.1	21.33	10.16	29.53	0
4/17/2017 18:15	2.096	28.01	14.29	10.09	29.53	0
4/17/2017 18:30	2.458	136.3	63.02	10.14	29.53	0
4/17/2017 18:45	4.782	125.1	26.89	9.98	29.53	0.01
4/17/2017 19:00	3.76	87.9	13.7	9.83	29.53	0
4/17/2017 19:15	3.786	112.4	14.05	9.94	29.53	0
4/17/2017 19:30	5.59	128.7	10.73	10.03	29.53	0
4/17/2017 19:45	5.624	127.5	10.17	10.12	29.53	0
4/17/2017 20:00	5.058	127.1	10.69	10.22	29.54	0
4/17/2017 20:15	5.722	154.3	12.81	10.37	29.54	0
4/17/2017 20:30	4.859	147.9	15.21	10.46	29.54	0
4/17/2017 20:45	2.129	185.8	26.04	10.55	29.54	0
4/17/2017 21:00	3.441	249.4	26.71	10.63	29.57	0
4/17/2017 21:15	3.468	269.7	17.22	10.81	29.57	0
4/17/2017 21:30	1.104	185.6	31.63	9.94	29.57	0
4/17/2017 21:45	1.776	95.1	21.43	9.76	29.57	0.01
4/17/2017 22:00	3.333	116.5	17.94	9.73	29.57	0
4/17/2017 22:15	2.517	116.5	30.52	9.66	29.57	0
4/17/2017 22:30	4.702	121.1	17.89	9.36	29.57	0
4/17/2017 22:45	1.975	153.9	49.55	9.34	29.57	0.04
4/17/2017 23:00	3.243	125.7	21.98	9.32	29.59	0.02
4/17/2017 23:15	5.677	130.3	15.19	9.14	29.59	0.01
4/17/2017 23:30	5.766	127.2	11.61	9.16	29.59	0.01
4/17/2017 23:45	6.68	133.6	6.968	9.17	29.59	0.03
4/18/2017 0:00	6.171	128.3	9.48	9.27	29.58	0.01
4/18/2017 0:15	6.482	135.1	9.09	9.27	29.58	0
4/18/2017 0:30	5.613	144.7	8.89	9.33	29.58	0
4/18/2017 0:45	4.432	131.3	9.84	9.36	29.58	0
4/18/2017 1:00	4.062	116.9	5.344	9.39	29.57	0
4/18/2017 1:15	4.454	107.3	5.592	9.21	29.57	0
4/18/2017 1:30	3.099	107.5	6.659	9.15	29.57	0
4/18/2017 1:45	1.535	94.3	4.435	9.12	29.57	0
4/18/2017 2:00	3.416	100.5	3.108	9.17	29.55	0
4/18/2017 2:15	1.723	98.2	0.453	8.69	29.55	0
4/18/2017 2:30	1.262	98.9	0.23	8.4	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
4/18/2017 2:45	1.711	113.6	22.78	8.15	29.55	0
4/18/2017 3:00	2.044	145.4	26.23	8.25	29.57	0
4/18/2017 3:15	4.096	185.1	14.23	8.52	29.57	0
4/18/2017 3:30	3.104	134.4	18.31	8.53	29.57	0
4/18/2017 3:45	4.73	147.2	10.5	8.55	29.57	0
4/18/2017 4:00	4.845	151.9	9.22	8.83	29.57	0
4/18/2017 4:15	4.334	154.6	15.8	8.84	29.57	0
4/18/2017 4:30	5.166	183.4	19.98	8.88	29.57	0
4/18/2017 4:45	6.924	210.4	9.72	8.19	29.57	0
4/18/2017 5:00	8.43	198.2	12.58	8.03	29.6	0.02
4/18/2017 5:15	6.061	146.1	16.81	7.868	29.6	0.03
4/18/2017 5:30	5.879	123	9.1	7.881	29.6	0.01
4/18/2017 5:45	5.219	128.3	8.86	8.18	29.6	0
4/18/2017 6:00	7.185	130.9	7.706	8.57	29.6	0
4/18/2017 6:15	4.961	137.3	9.17	8.62	29.6	0.02
4/18/2017 6:30	5.251	143.2	22.23	8.92	29.6	0
4/18/2017 6:45	6.78	179	12.06	8.65	29.6	0.03
4/18/2017 7:00	11.61	226.4	14.82	8.85	29.65	0.05
4/18/2017 7:15	9.93	210.1	14.65	8.34	29.65	0.04
4/18/2017 7:30	7.781	159.8	16.27	8.16	29.65	0.04
4/18/2017 7:45	6.59	136.9	16.76	7.899	29.65	0.03
4/18/2017 8:00	7.273	133.6	8.92	7.881	29.67	0
4/18/2017 8:15	9.46	143.7	11.92	7.989	29.67	0
4/18/2017 8:30	9.26	138.5	10.32	8.01	29.67	0
4/18/2017 8:45	7.751	139.2	10.49	8.35	29.67	0
4/18/2017 9:00	7.489	145	12.97	8.67	29.68	0
4/18/2017 9:15	6.78	145	13.15	9.31	29.68	0
4/18/2017 9:30	7.624	152.9	9.57	9.77	29.68	0
4/18/2017 9:45	7.684	157.3	12.28	10.45	29.68	0
4/18/2017 10:00	8.01	179	16.81	11.22	29.71	0
4/18/2017 10:15	10.08	181.7	12.93	12.04	29.71	0
4/18/2017 10:30	11.48	200.4	16.18	12.06	29.71	0
4/18/2017 10:45	11.9	231.8	14.08	10.3	29.71	0.07
4/18/2017 11:00	10.72	244	13.08	9.91	29.7	0.01
4/18/2017 11:15	5.343	219.4	22.83	9.59	29.7	0.02
4/18/2017 11:30	3.764	211.9	27.77	10.76	29.7	0
4/18/2017 11:45	6.331	161.4	49.34	11.97	29.7	0
4/18/2017 12:00	6.28	128.1	20.21	10.58	29.71	0
4/18/2017 12:15	11.75	193.6	14.64	10.49	29.71	0
4/18/2017 12:30	12.42	218.2	9.22	10.38	29.71	0
4/18/2017 12:45	8.19	194.6	18.11	10.17	29.71	0
4/18/2017 13:00	6.276	161.4	20.78	11.1	29.73	0
4/18/2017 13:15	6.448	143	13.61	11.18	29.73	0
4/18/2017 13:30	11.3	159.7	9.51	11.79	29.73	0
4/18/2017 13:45	12.01	160.4	11.4	12.21	29.73	0
4/18/2017 14:00	11.6	158.7	11.52	12.93	29.74	0
4/18/2017 14:15	12.47	175.7	11.81	12.37	29.74	0
4/18/2017 14:30	9.68	147.6	8.72	11.29	29.74	0
4/18/2017 14:45	5.605	136.6	14.03	11.03	29.74	0
4/18/2017 15:00	1.97	89.1	34.76	11.37	29.76	0
4/18/2017 15:15	3.537	40.24	6.456	11.2	29.76	0
4/18/2017 15:30	5.971	91	90.3	11	29.76	0.04
4/18/2017 15:45	5.214	327.5	47.82	10.92	29.76	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
4/18/2017 16:00	4.756	46.04	15.92	11.13	29.76	0
4/18/2017 16:15	4.048	59.07	8.41	10.73	29.76	0
4/18/2017 16:30	3.443	59.6	5.786	11.05	29.76	0
4/18/2017 16:45	1.893	51.41	0.342	11.52	29.76	0
4/18/2017 17:00	1.011	46.22	14.09	11.63	29.75	0
4/18/2017 17:15	5.056	311.1	10.29	11.58	29.75	0.03
4/18/2017 17:30	3.74	344.9	21.89	11.26	29.75	0
4/18/2017 17:45	2.825	51.62	61.03	10.77	29.75	0.01
4/18/2017 18:00	5.295	97.6	13.73	10.24	29.75	0
4/18/2017 18:15	2.813	137.5	51.84	10.69	29.75	0.01
4/18/2017 18:30	5.4	257.5	24.62	10.76	29.75	0
4/18/2017 18:45	5.117	285.3	8.14	10.15	29.75	0
4/18/2017 19:00	3.223	0.372	23.98	9.38	29.78	0.01
4/18/2017 19:15	1.461	30.46	5.673	9.14	29.78	0
4/18/2017 19:30	2.91	59.45	7.263	9.24	29.78	0
4/18/2017 19:45	1.725	75.87	12.96	9.13	29.78	0
4/18/2017 20:00	4.327	132.8	13.85	9.21	29.8	0
4/18/2017 20:15	5.452	112.4	5.574	8.76	29.8	0
4/18/2017 20:30	5.538	114.7	5.7	8.83	29.8	0
4/18/2017 20:45	6.192	110.3	5.158	8.78	29.8	0
4/18/2017 21:00	5.494	114.1	7.702	8.87	29.81	0
4/18/2017 21:15	5.031	132.3	6.391	8.99	29.81	0
4/18/2017 21:30	4.216	121.5	7.437	9.29	29.81	0
4/18/2017 21:45	2.958	114	6.834	9.13	29.81	0
4/18/2017 22:00	2.666	165.7	24.2	8.75	29.82	0
4/18/2017 22:15	2.156	153	21.07	8.42	29.82	0
4/18/2017 22:30	1.933	124.9	18.15	7.799	29.82	0
4/18/2017 22:45	2.182	132.7	11.28	8.06	29.82	0
4/18/2017 23:00	3.114	109.1	18.86	8.24	29.81	0
4/18/2017 23:15	4.538	143.5	26.79	7.841	29.81	0
4/18/2017 23:30	5.087	134.5	8.63	8.44	29.81	0
4/18/2017 23:45	3.831	141.4	5.978	8.21	29.81	0
4/19/2017 0:00	3.725	142.5	19.95	8.29	29.8	0
4/19/2017 0:15	2.45	91.4	6.144	7.707	29.8	0
4/19/2017 0:30	3.427	100.8	12.34	8.29	29.8	0
4/19/2017 0:45	2.805	135.2	8.41	8.56	29.8	0
4/19/2017 1:00	3.212	129.1	6.784	8.56	29.78	0
4/19/2017 1:15	3.63	131.9	14.43	8.01	29.78	0
4/19/2017 1:30	3.474	124.3	20.75	7.452	29.78	0
4/19/2017 1:45	5.505	109	6.527	7.314	29.78	0
4/19/2017 2:00	5.334	120.1	8.26	7.486	29.75	0
4/19/2017 2:15	7.18	137	11.53	8.37	29.75	0
4/19/2017 2:30	7.237	132.5	10.14	8.63	29.75	0
4/19/2017 2:45	8.18	124.9	9.4	8.69	29.75	0
4/19/2017 3:00	6.744	132.6	12.68	8.78	29.74	0
4/19/2017 3:15	7.546	134	11.1	8.98	29.74	0
4/19/2017 3:30	6.414	143.1	17.69	9.31	29.74	0
4/19/2017 3:45	5.921	138.4	12.65	9.43	29.74	0
4/19/2017 4:00	6.826	136.7	13.8	9.52	29.74	0
4/19/2017 4:15	6.361	135.4	11.37	9.62	29.74	0
4/19/2017 4:30	5.812	142.1	10.47	9.76	29.74	0
4/19/2017 4:45	6.351	135.9	15.55	10.03	29.74	0
4/19/2017 5:00	6.967	136.6	12.46	9.98	29.73	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
4/19/2017 5:15	5.971	154.2	14.67	9.99	29.73	0
4/19/2017 5:30	5.474	143.9	13.92	9.88	29.73	0
4/19/2017 5:45	7.084	134	11.78	10.11	29.73	0
4/19/2017 6:00	5.332	160	20.96	10.32	29.73	0
4/19/2017 6:15	5.218	157.4	17.2	10.52	29.73	0
4/19/2017 6:30	3.842	182	24.79	10.48	29.73	0
4/19/2017 6:45	3.3	131.3	32.46	10.4	29.73	0
4/19/2017 7:00	4.899	112.7	13.2	10.51	29.73	0
4/19/2017 7:15	3.097	140.4	17.51	10.52	29.73	0
4/19/2017 7:30	8.06	175.7	19.73	10.38	29.73	0
4/19/2017 7:45	6.946	179	22.15	10.17	29.73	0
4/19/2017 8:00	5.413	199.8	15.67	10.14	29.75	0
4/19/2017 8:15	9.89	157.8	8.88	10.73	29.75	0
4/19/2017 8:30	11.53	155.7	9.31	11.28	29.75	0
4/19/2017 8:45	12.46	144.3	14.28	11.29	29.75	0
4/19/2017 9:00	10.81	152.1	13.57	11.52	29.77	0
4/19/2017 9:15	7.733	170.6	30.39	11.09	29.77	0
4/19/2017 9:30	7.137	165.6	18.85	11.3	29.77	0
4/19/2017 9:45	3.571	181.2	37.77	11.2	29.77	0.01
4/19/2017 10:00	5.313	190.1	81	10.33	29.79	0.01
4/19/2017 10:15	3.973	128	70.81	10.29	29.79	0.01
4/19/2017 10:30	2.65	357.8	21.72	9.62	29.79	0
4/19/2017 10:45	6.742	299.1	5.798	9.82	29.79	0
4/19/2017 11:00	9.22	285.6	9.66	9.6	29.83	0.01
4/19/2017 11:15	10.13	282.1	6.508	9.1	29.83	0.02
4/19/2017 11:30	6.818	302.4	12.88	8.85	29.83	0.03
4/19/2017 11:45	4.198	14.73	23.73	8.68	29.83	0.01
4/19/2017 12:00	2.973	23.69	15.81	8.66	29.84	0.01
4/19/2017 12:15	3.573	37.05	23.15	8.75	29.84	0
4/19/2017 12:30	3.554	70.14	8.74	8.85	29.84	0.01
4/19/2017 12:45	2.444	67.22	7.029	9.1	29.84	0
4/19/2017 13:00	4.656	67.6	10.77	9.14	29.82	0.01
4/19/2017 13:15	3.864	82.4	23.6	9.68	29.82	0
4/19/2017 13:30	3.43	130.6	25.8	10.21	29.82	0
4/19/2017 13:45	5.009	156.6	19.58	10.72	29.82	0
4/19/2017 14:00	5.585	166.4	17.93	10.47	29.84	0
4/19/2017 14:15	3.852	130	35.97	10.48	29.84	0
4/19/2017 14:30	4.304	117.8	14.69	10.66	29.84	0
4/19/2017 14:45	5.034	146.9	11.15	11.1	29.84	0
4/19/2017 15:00	4.58	141.6	13.39	11.06	29.83	0
4/19/2017 15:15	3.729	106.1	17.77	10.83	29.83	0
4/19/2017 15:30	4.069	107.3	14.54	10.88	29.83	0
4/19/2017 15:45	4.34	111.7	15.05	10.98	29.83	0
4/19/2017 16:00	2.87	92.4	15.65	11.1	29.81	0
4/19/2017 16:15	2.682	90.8	20.11	11.13	29.81	0
4/19/2017 16:30	3.381	71.11	4.862	11.11	29.81	0
4/19/2017 16:45	1.799	61.69	4.58	11.34	29.81	0
4/19/2017 17:00	3.066	36.57	10.87	11.03	29.78	0
4/19/2017 17:15	1.912	1.91	0.66	11.03	29.78	0
4/19/2017 17:30	1.419	6.593	9.87	11.09	29.78	0
4/19/2017 17:45	3.15	32.47	4.975	10.9	29.78	0
4/19/2017 18:00	2.142	38.46	1.814	10.71	29.76	0
4/19/2017 18:15	3.07	34.99	6.581	10.56	29.76	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
4/19/2017 18:30	3.038	22.24	7.398	10.6	29.76	0
4/19/2017 18:45	1.997	37.19	2.33	10.44	29.76	0
4/19/2017 19:00	1.317	58.4	27.73	10.45	29.75	0
4/19/2017 19:15	1.95	190.3	38.38	10.53	29.75	0
4/19/2017 19:30	3.94	236.1	9.76	10.63	29.75	0.01
4/19/2017 19:45	9.09	229.5	10.68	10.32	29.75	0.02
4/19/2017 20:00	9.99	214.4	10.68	9.63	29.77	0.07
4/19/2017 20:15	7.897	188	9.4	9.22	29.77	0.03
4/19/2017 20:30	8.09	188.2	8.28	9.14	29.77	0.01
4/19/2017 20:45	8.42	194.7	9.79	8.95	29.77	0.02
4/19/2017 21:00	9.27	198.1	8.3	8.71	29.81	0.04
4/19/2017 21:15	7.815	185.5	8.46	8.54	29.81	0.03
4/19/2017 21:30	6.877	188.6	8.97	8.33	29.81	0.03
4/19/2017 21:45	7.951	213.2	11.35	8.23	29.81	0.03
4/19/2017 22:00	7.802	236.1	15.77	8.1	29.82	0.02
4/19/2017 22:15	8.77	240.3	12.49	7.815	29.82	0.03
4/19/2017 22:30	6.407	221.5	8.99	7.625	29.82	0.03
4/19/2017 22:45	4.731	190.7	19.34	7.482	29.82	0.02
4/19/2017 23:00	4.316	179.8	12.29	7.339	29.84	0.01
4/19/2017 23:15	3.401	144	11.5	7.275	29.84	0.02
4/19/2017 23:30	7.051	165.1	14.63	7.221	29.84	0.01
4/19/2017 23:45	5.376	136.1	9.01	7.094	29.84	0.01
4/20/2017 0:00	4.79	124.1	10.98	7.053	29.85	0.01
4/20/2017 0:15	6.387	108.9	11.24	6.992	29.85	0
4/20/2017 0:30	4.946	112.8	7.209	6.928	29.85	0
4/20/2017 0:45	4.619	123.3	10.91	6.971	29.85	0
4/20/2017 1:00	4.398	103	11.28	6.924	29.84	0
4/20/2017 1:15	5.226	107.9	8.51	6.931	29.84	0
4/20/2017 1:30	4.404	121.9	8.62	6.968	29.84	0
4/20/2017 1:45	3.559	132.7	14.03	7.049	29.84	0
4/20/2017 2:00	3.104	127.1	10.61	7.111	29.83	0
4/20/2017 2:15	2.309	145.1	16.77	6.947	29.83	0
4/20/2017 2:30	3.176	167.9	10.37	7.042	29.83	0
4/20/2017 2:45	2.49	152.9	19.91	6.996	29.83	0
4/20/2017 3:00	3.001	166	19.95	6.898	29.84	0
4/20/2017 3:15	3.972	195	20.09	6.836	29.84	0
4/20/2017 3:30	3.189	167.5	25.77	7.019	29.84	0
4/20/2017 3:45	2.815	154.5	11.89	7.068	29.84	0
4/20/2017 4:00	2.499	137.5	15.58	6.905	29.86	0
4/20/2017 4:15	3.134	159	10.28	7.252	29.86	0
4/20/2017 4:30	3.806	167.3	9.9	7.178	29.86	0
4/20/2017 4:45	3.549	168.7	9.36	7.241	29.86	0
4/20/2017 5:00	3.659	169.1	8.99	7.341	29.87	0
4/20/2017 5:15	3.709	170.2	8.43	7.379	29.87	0
4/20/2017 5:30	3.146	164.4	12.79	7.479	29.87	0
4/20/2017 5:45	2.145	148.4	11.04	7.17	29.87	0
4/20/2017 6:00	2.843	155.4	18.57	7.263	29.9	0
4/20/2017 6:15	3.843	179.8	10.61	7.447	29.9	0
4/20/2017 6:30	4.437	180.7	9.72	7.627	29.9	0
4/20/2017 6:45	5.676	191.7	8.01	7.889	29.9	0
4/20/2017 7:00	3.244	167.9	12.12	7.843	29.93	0
4/20/2017 7:15	3.989	143.7	10.53	8	29.93	0
4/20/2017 7:30	4.481	145.8	8.65	7.989	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
4/20/2017 7:45	4.794	143.5	9.75	8.07	29.93	0
4/20/2017 8:00	4.782	142.1	13.12	8.19	29.94	0
4/20/2017 8:15	4.717	146.5	9.78	8.29	29.94	0
4/20/2017 8:30	3.864	152.4	15.8	8.51	29.94	0
4/20/2017 8:45	3.969	205.8	17.8	8.18	29.94	0.02
4/20/2017 9:00	3.972	206.5	12.49	7.998	29.97	0.01
4/20/2017 9:15	4.282	189.7	10.98	8.17	29.97	0.01
4/20/2017 9:30	2.718	213.6	24.97	8.68	29.97	0
4/20/2017 9:45	8.71	229.2	13.56	8.8	29.97	0
4/20/2017 10:00	6.498	235.9	15.87	8.99	30.01	0
4/20/2017 10:15	7.659	243.7	18.75	9.11	30.01	0
4/20/2017 10:30	8.88	229.8	13.24	9.41	30.01	0
4/20/2017 10:45	6.986	238.2	15.55	9.22	30.01	0.03
4/20/2017 11:00	6.672	221.6	14.65	9.48	30.03	0
4/20/2017 11:15	6.496	200.3	26.72	10.17	30.03	0
4/20/2017 11:30	8.57	189.2	18.47	9.84	30.03	0
4/20/2017 11:45	5.782	215.1	14.12	10.3	30.03	0
4/20/2017 12:00	6.321	197.9	22.63	10.89	30.03	0
4/20/2017 12:15	9.4	215	11.57	10.97	30.03	0
4/20/2017 12:30	8.65	233.2	10.08	11.24	30.03	0
4/20/2017 12:45	9.71	223.6	14.43	11.43	30.03	0
4/20/2017 13:00	8.19	219.9	15.81	11.69	30.03	0
4/20/2017 13:15	9.15	230.6	10.12	12.06	30.03	0
4/20/2017 13:30	8.43	230.5	16.38	12.65	30.03	0
4/20/2017 13:45	7.212	226.2	19.33	12.86	30.03	0
4/20/2017 14:00	8.59	241.4	14.06	12.67	30.04	0
4/20/2017 14:15	13.45	240.4	8.35	12.12	30.04	0
4/20/2017 14:30	11.76	242.2	16.9	12.14	30.04	0
4/20/2017 14:45	11.02	255.2	9.71	11.89	30.04	0
4/20/2017 15:00	8.97	269.8	13.9	11.72	30.07	0
4/20/2017 15:15	7.965	268.8	17.22	11.95	30.07	0
4/20/2017 15:30	9.34	249.2	10.45	12.48	30.07	0
4/20/2017 15:45	9.15	244	22.57	12.7	30.07	0
4/20/2017 16:00	13.23	233.9	10.73	12.71	30.09	0
4/20/2017 16:15	13.07	248.3	9.58	12.73	30.09	0
4/20/2017 16:30	13.61	241.8	12.29	12.7	30.09	0
4/20/2017 16:45	14.78	232.2	8.65	11.9	30.09	0
4/20/2017 17:00	12.36	223.7	8.19	11.59	30.1	0
4/20/2017 17:15	11.2	210.8	11.73	11.3	30.1	0
4/20/2017 17:30	10.82	212.5	11.77	10.14	30.1	0.04
4/20/2017 17:45	6.966	202.8	8.73	10.41	30.1	0
4/20/2017 18:00	6.657	173.3	23.87	10.47	30.11	0
4/20/2017 18:15	7.469	146.8	10.53	9.76	30.11	0
4/20/2017 18:30	8.16	141.5	10.38	9.53	30.11	0
4/20/2017 18:45	9.95	156.1	7.496	9.3	30.11	0
4/20/2017 19:00	8.37	151.5	7.909	9.19	30.13	0
4/20/2017 19:15	6.918	146.3	10.48	9.07	30.13	0
4/20/2017 19:30	8.99	159.9	9.4	8.99	30.13	0
4/20/2017 19:45	9.42	178.4	12.59	9	30.13	0
4/20/2017 20:00	7.659	192.1	10.49	8.98	30.17	0
4/20/2017 20:15	5.884	166.9	23.5	8.69	30.17	0
4/20/2017 20:30	4.747	134.8	8.01	8.36	30.17	0
4/20/2017 20:45	5.759	148.2	7.282	8.29	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
4/20/2017 21:00	4.869	140.2	8.87	8.31	30.21	0
4/20/2017 21:15	4.278	144.2	8.24	8.22	30.21	0
4/20/2017 21:30	3.86	142.1	9.5	8.16	30.21	0
4/20/2017 21:45	3.927	147.1	7.358	8.1	30.21	0
4/20/2017 22:00	3.894	139.5	7.097	8.11	30.22	0
4/20/2017 22:15	5.059	147.5	7.64	8.06	30.22	0
4/20/2017 22:30	6.094	144	7.174	8.05	30.22	0
4/20/2017 22:45	5.803	137	7.061	7.862	30.22	0
4/20/2017 23:00	3.646	144.6	9.48	7.532	30.25	0
4/20/2017 23:15	2.985	129.3	5.781	7.394	30.25	0
4/20/2017 23:30	4.749	129.6	5.859	7.643	30.25	0
4/20/2017 23:45	4.983	138.9	8.87	7.814	30.25	0
4/21/2017 0:00	5.578	146.5	6.647	7.826	30.26	0
4/21/2017 0:15	5.272	138.2	8.12	7.814	30.26	0
4/21/2017 0:30	4.922	141.8	6.648	7.767	30.26	0
4/21/2017 0:45	4.247	133	7.382	7.682	30.26	0
4/21/2017 1:00	4.328	133.1	7.747	7.628	30.25	0
4/21/2017 1:15	5.054	141.6	7.723	7.663	30.25	0
4/21/2017 1:30	4.536	138.9	7.559	7.59	30.25	0
4/21/2017 1:45	4.195	128.1	5.837	7.477	30.25	0
4/21/2017 2:00	4.792	129.6	5.673	7.453	30.24	0
4/21/2017 2:15	3.942	135.8	6.683	7.308	30.24	0
4/21/2017 2:30	3.863	138.7	5.754	7.097	30.24	0
4/21/2017 2:45	4.319	117.4	7.534	6.938	30.24	0
4/21/2017 3:00	4.546	120.9	5.804	6.967	30.23	0
4/21/2017 3:15	3.757	110.2	8.14	6.946	30.23	0
4/21/2017 3:30	2.603	87.9	5.786	6.382	30.23	0
4/21/2017 3:45	2.098	63.72	15.32	6.129	30.23	0
4/21/2017 4:00	1.366	64.31	2.505	5.956	30.21	0
4/21/2017 4:15	1.71	70.11	1.219	5.837	30.21	0
4/21/2017 4:30	1.169	72.25	0.203	5.7	30.21	0
4/21/2017 4:45	1.198	72.26	0.189	5.901	30.21	0
4/21/2017 5:00	0.406	72.26	0.087	5.747	30.21	0
4/21/2017 5:15	2.433	192.4	32.9	5.27	30.21	0
4/21/2017 5:30	1.68	137.9	7.386	5.084	30.21	0
4/21/2017 5:45	1.254	112.8	20.12	5.221	30.21	0
4/21/2017 6:00	2.32	61.12	5.397	5.51	30.21	0
4/21/2017 6:15	2.49	56.77	2.261	5.668	30.21	0
4/21/2017 6:30	1.852	46.1	9.33	6.207	30.21	0
4/21/2017 6:45	3.108	33.63	11.51	6.574	30.21	0
4/21/2017 7:00	2.058	30.53	8.81	6.802	30.22	0
4/21/2017 7:15	2.571	24.44	8.69	7.497	30.22	0
4/21/2017 7:30	3.949	29.25	10.97	7.918	30.22	0
4/21/2017 7:45	4.441	31.49	12.34	8.39	30.22	0
4/21/2017 8:00	5.333	33.24	8.35	8.67	30.2	0
4/21/2017 8:15	4.284	31.93	12.53	9.22	30.2	0
4/21/2017 8:30	5.57	31.46	15.15	9.53	30.2	0
4/21/2017 8:45	4.297	26.29	18.21	10	30.2	0
4/21/2017 9:00	2.624	352.4	25.83	10.5	30.17	0
4/21/2017 9:15	4.269	28.09	17.18	10.95	30.17	0
4/21/2017 9:30	6.767	20.6	12.15	11.01	30.17	0
4/21/2017 9:45	6.07	27.63	20.55	11.32	30.17	0
4/21/2017 10:00	6.659	34.24	20.66	11.79	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
4/21/2017 10:15	6.94	32.45	17.72	12.01	30.14	0
4/21/2017 10:30	6.324	22.11	20.14	12.58	30.14	0
4/21/2017 10:45	7.057	36.84	15.91	12.83	30.14	0
4/21/2017 11:00	6.603	34.47	12.87	13.06	30.1	0
4/21/2017 11:15	5.79	44.37	26.72	13.5	30.1	0
4/21/2017 11:30	6.719	35.1	14.36	14	30.1	0
4/21/2017 11:45	8.22	29.19	17.55	14.33	30.1	0
4/21/2017 12:00	6.289	4.323	26.45	14.87	30.07	0
4/21/2017 12:15	5.793	2.847	31.72	15.36	30.07	0
4/21/2017 12:30	5.627	322.8	33.72	15.93	30.07	0
4/21/2017 12:45	5.801	327	25.29	16.32	30.07	0
4/21/2017 13:00	5.506	19.04	22.88	16.34	30.03	0
4/21/2017 13:15	6.961	39.03	15.7	16.47	30.03	0
4/21/2017 13:30	7.128	37.9	16.93	16.92	30.03	0
4/21/2017 13:45	7.112	38.76	19.95	17.28	30.03	0
4/21/2017 14:00	5.754	20.07	32.21	17.69	29.99	0
4/21/2017 14:15	6.909	305.6	33.44	18.36	29.99	0
4/21/2017 14:30	9.24	299.7	18.43	18.73	29.99	0
4/21/2017 14:45	6.412	319.6	42.31	18.69	29.99	0
4/21/2017 15:00	8.28	344.5	52.79	19.14	29.93	0
4/21/2017 15:15	6.858	38.98	49.5	19.59	29.93	0
4/21/2017 15:30	7.348	88	46.19	19.79	29.93	0
4/21/2017 15:45	12.23	92.9	21.68	19.69	29.93	0
4/21/2017 16:00	11.83	94.9	24.31	19.69	29.9	0
4/21/2017 16:15	12.94	101.9	15.39	19.66	29.9	0
4/21/2017 16:30	13.32	100.8	16.67	19.56	29.9	0
4/21/2017 16:45	13.45	110.2	15.19	19.37	29.9	0
4/21/2017 17:00	14.68	101	18.55	19.18	29.87	0
4/21/2017 17:15	15.3	100.3	15.52	18.9	29.87	0
4/21/2017 17:30	14.06	98.2	13.95	18.67	29.87	0
4/21/2017 17:45	13.2	104.2	14.75	18.39	29.87	0
4/21/2017 18:00	11.73	102	15.02	18	29.84	0
4/21/2017 18:15	12.06	100.5	14.35	17.63	29.84	0
4/21/2017 18:30	11.61	100.8	14.34	17.25	29.84	0
4/21/2017 18:45	11.94	105.4	15.03	16.98	29.84	0
4/21/2017 19:00	11.19	103.7	14.78	16.71	29.83	0
4/21/2017 19:15	9.66	100.9	14.92	16.43	29.83	0
4/21/2017 19:30	10.77	101.9	15.6	16.34	29.83	0
4/21/2017 19:45	11.75	114	15.28	16.28	29.83	0
4/21/2017 20:00	14.08	111.2	15.99	16.22	29.81	0
4/21/2017 20:15	14.4	115.8	14.38	16.19	29.81	0
4/21/2017 20:30	11	123.7	12.73	15.97	29.81	0
4/21/2017 20:45	13.15	126.6	11.2	15.97	29.81	0
4/21/2017 21:00	14.05	124	12.11	15.86	29.78	0
4/21/2017 21:15	13.91	123.7	12.96	15.73	29.78	0
4/21/2017 21:30	15.02	129.6	11.2	15.72	29.78	0
4/21/2017 21:45	15.83	126.8	13.44	15.71	29.78	0
4/21/2017 22:00	15.5	132.3	12.59	15.7	29.75	0
4/21/2017 22:15	17.12	135.8	11.2	15.72	29.75	0
4/21/2017 22:30	17.44	127.2	12.98	15.66	29.75	0
4/21/2017 22:45	18.69	126.6	12.92	15.66	29.75	0
4/21/2017 23:00	17.81	130.5	11.36	15.57	29.69	0
4/21/2017 23:15	17.97	123.5	13.17	15.7	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
4/21/2017 23:30	19.76	130.2	12.5	15.82	29.69	0
4/21/2017 23:45	19.79	134.2	10.88	15.77	29.69	0
4/22/2017 0:00	19.17	130.1	12.8	15.79	29.68	0
4/22/2017 0:15	18.94	128.2	12.51	15.8	29.68	0
4/22/2017 0:30	21.53	125.3	13.03	15.91	29.68	0
4/22/2017 0:45	20.01	125.9	12.51	15.84	29.68	0
4/22/2017 1:00	18.2	121.6	13.89	15.89	29.63	0
4/22/2017 1:15	18.14	123.2	13.07	15.94	29.63	0
4/22/2017 1:30	18.29	124.4	13.8	15.94	29.63	0
4/22/2017 1:45	18.74	126.3	13.21	15.72	29.63	0
4/22/2017 2:00	18.75	126.4	13.9	15.66	29.56	0
4/22/2017 2:15	21.37	123.3	13.61	15.8	29.56	0
4/22/2017 2:30	17.76	121	15.43	15.83	29.56	0
4/22/2017 2:45	20.05	121.7	14.14	15.94	29.56	0
4/22/2017 3:00	18.45	122.6	15.83	15.96	29.52	0
4/22/2017 3:15	17.27	123.7	14.97	15.95	29.52	0
4/22/2017 3:30	19.5	123.1	14.22	16.13	29.52	0
4/22/2017 3:45	17.53	122.4	15.27	16.15	29.52	0
4/22/2017 4:00	15.66	123.2	14.88	16.11	29.49	0
4/22/2017 4:15	18.74	127.7	13.31	16.17	29.49	0
4/22/2017 4:30	21.91	122.9	13.71	16.3	29.49	0
4/22/2017 4:45	16.47	123	18.34	16.17	29.49	0
4/22/2017 5:00	16.71	122.2	16.2	16.27	29.45	0
4/22/2017 5:15	15.05	122.8	17.07	16.34	29.45	0
4/22/2017 5:30	17.24	118.4	17.94	16.52	29.45	0
4/22/2017 5:45	15.21	112.4	16.45	16.55	29.45	0
4/22/2017 6:00	17.21	114.3	18.85	16.86	29.41	0
4/22/2017 6:15	15.97	112.6	14.5	17.07	29.41	0
4/22/2017 6:30	14.14	116.5	16.14	17.17	29.41	0
4/22/2017 6:45	18.58	118.3	14.07	17.52	29.41	0
4/22/2017 7:00	15.85	124.5	16.06	17.34	29.37	0
4/22/2017 7:15	17.39	129	13.71	17.19	29.37	0
4/22/2017 7:30	15.93	132.3	13.44	17.02	29.37	0
4/22/2017 7:45	19.17	141.5	10.37	16.83	29.37	0
4/22/2017 8:00	15.06	155.3	12.08	16.29	29.42	0
4/22/2017 8:15	18.63	149.6	11.1	16.29	29.42	0
4/22/2017 8:30	15.97	152.1	10.86	16.43	29.42	0
4/22/2017 8:45	14.4	162.4	13.05	16.37	29.42	0
4/22/2017 9:00	18.69	169.9	8.85	16.16	29.48	0
4/22/2017 9:15	10.31	184.2	10.16	16.1	29.48	0
4/22/2017 9:30	9.48	206.3	8.83	15.83	29.48	0
4/22/2017 9:45	10.7	206.8	8.43	15.35	29.48	0
4/22/2017 10:00	17.56	237.8	14.35	14.69	29.52	0
4/22/2017 10:15	19.2	258.3	9.39	13.04	29.52	0
4/22/2017 10:30	12.69	252.2	12.17	12.61	29.52	0
4/22/2017 10:45	12.81	231	12.57	12.44	29.52	0
4/22/2017 11:00	11.4	224.9	12.03	11.82	29.57	0
4/22/2017 11:15	11.13	223.8	14.9	11.23	29.57	0
4/22/2017 11:30	5.705	219.3	16.22	11.09	29.57	0
4/22/2017 11:45	5.156	170.4	45.09	10.68	29.57	0.01
4/22/2017 12:00	5.847	85.5	18.56	10.22	29.54	0.02
4/22/2017 12:15	6.174	70.17	15.8	10.91	29.54	0
4/22/2017 12:30	5.609	87.9	17.61	12.26	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
4/22/2017 12:45	5.563	136.1	25.94	12.92	29.54	0
4/22/2017 13:00	7.473	166.5	12.93	12.99	29.54	0
4/22/2017 13:15	8.2	149.5	12.76	12.67	29.54	0.01
4/22/2017 13:30	7.392	143.8	10.55	12.6	29.54	0
4/22/2017 13:45	8.01	143.6	11.04	12.94	29.54	0.01
4/22/2017 14:00	8.84	179.9	14.87	13.1	29.56	0
4/22/2017 14:15	17.75	216.1	19.06	13.34	29.56	0.01
4/22/2017 14:30	12.82	230.5	16.93	12.74	29.56	0.01
4/22/2017 14:45	11.62	217.5	20.14	12.36	29.56	0
4/22/2017 15:00	6.833	229.8	30.82	12.19	29.59	0
4/22/2017 15:15	19.49	215.4	12.55	12.75	29.59	0
4/22/2017 15:30	17.97	213.3	12.16	12.87	29.59	0
4/22/2017 15:45	19.8	192.9	9.47	11.89	29.59	0
4/22/2017 16:00	13.72	183.1	11.01	11.1	29.62	0.01
4/22/2017 16:15	12.3	167.8	9.77	11.23	29.62	0.01
4/22/2017 16:30	11.01	165.7	13.16	11.18	29.62	0
4/22/2017 16:45	11.02	175	17.84	11.18	29.62	0
4/22/2017 17:00	6.406	209.3	15.04	11.16	29.64	0
4/22/2017 17:15	7.09	181.9	12.73	10.9	29.64	0.02
4/22/2017 17:30	7.957	159.5	13.11	10.86	29.64	0.01
4/22/2017 17:45	9.14	156.8	8.89	10.97	29.64	0
4/22/2017 18:00	10.85	156.8	10.03	10.64	29.64	0
4/22/2017 18:15	11.29	153.6	8.45	10.37	29.64	0
4/22/2017 18:30	5.293	301.2	62.56	10.31	29.64	0.02
4/22/2017 18:45	9.17	245.7	18.98	9.66	29.64	0.11
4/22/2017 19:00	9.24	226.6	20.5	9.11	29.66	0.11
4/22/2017 19:15	9.76	168	23.52	9.19	29.66	0
4/22/2017 19:30	8.02	149.4	9.14	9.41	29.66	0
4/22/2017 19:45	7.43	149.5	9.81	9.34	29.66	0
4/22/2017 20:00	6.647	145.6	9.63	9.28	29.68	0
4/22/2017 20:15	2.967	178	51.6	9.25	29.68	0.01
4/22/2017 20:30	2.882	202.3	62.85	9.14	29.68	0
4/22/2017 20:45	3.551	140.5	13.57	9.09	29.68	0
4/22/2017 21:00	5.014	130.4	5.797	8.73	29.69	0
4/22/2017 21:15	4.131	137.9	5.708	8.78	29.69	0
4/22/2017 21:30	5.102	143.4	7.576	8.84	29.69	0
4/22/2017 21:45	6.113	151.6	6.848	9.08	29.69	0
4/22/2017 22:00	6.915	153.5	4.88	8.93	29.68	0
4/22/2017 22:15	7.927	155.3	6.464	8.92	29.68	0
4/22/2017 22:30	7.141	155.8	7.88	9.01	29.68	0
4/22/2017 22:45	7.397	160.8	5.667	8.76	29.68	0
4/22/2017 23:00	5.57	164	6.946	8.67	29.68	0
4/22/2017 23:15	4.568	165.2	7.295	8.71	29.68	0
4/22/2017 23:30	5.055	176.4	10.23	8.99	29.68	0
4/22/2017 23:45	2.793	138.8	15.12	8.77	29.68	0
4/23/2017 0:00	2.382	131	23.55	8.92	29.67	0
4/23/2017 0:15	5.514	168.1	10.72	8.78	29.67	0
4/23/2017 0:30	4.807	147.2	6.191	8.71	29.67	0
4/23/2017 0:45	5.921	149.5	4.901	8.78	29.67	0
4/23/2017 1:00	6.51	158.1	14.06	8.98	29.67	0
4/23/2017 1:15	5.815	188.6	8.97	9.01	29.67	0
4/23/2017 1:30	5.39	187.4	7.88	8.98	29.67	0
4/23/2017 1:45	4.125	181	12.73	8.88	29.67	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
4/23/2017 2:00	4.325	167.2	12.22	8.63	29.65	0
4/23/2017 2:15	4.531	150.8	5.709	8.49	29.65	0
4/23/2017 2:30	1.847	154.6	14.02	8.43	29.65	0
4/23/2017 2:45	2.293	124.1	6.907	8.52	29.65	0
4/23/2017 3:00	2.717	123.6	4.733	8.55	29.63	0
4/23/2017 3:15	1.663	113.1	1.702	8.29	29.63	0
4/23/2017 3:30	0.491	112.3	0.152	7.949	29.63	0
4/23/2017 3:45	1.64	91.5	7.736	7.752	29.63	0
4/23/2017 4:00	2.058	118.6	13.6	7.58	29.62	0
4/23/2017 4:15	3.392	153.7	12.29	8.34	29.62	0
4/23/2017 4:30	3.167	165.3	18.52	8.59	29.62	0
4/23/2017 4:45	3.978	174.9	8.3	8.2	29.62	0
4/23/2017 5:00	4.535	185	10.21	8.38	29.61	0
4/23/2017 5:15	4.094	169.1	8.95	8.32	29.61	0
4/23/2017 5:30	3.168	162.5	13.55	8.32	29.61	0
4/23/2017 5:45	1.866	149.9	12.44	8.28	29.61	0
4/23/2017 6:00	1.663	116.3	6.878	8.27	29.6	0
4/23/2017 6:15	3.068	135.7	11.03	8.38	29.6	0
4/23/2017 6:30	3.09	135	4.577	8.54	29.6	0
4/23/2017 6:45	3.044	118.7	6.313	8.59	29.6	0
4/23/2017 7:00	3.632	117.8	3.001	8.81	29.59	0
4/23/2017 7:15	2.84	108.5	5.451	9.19	29.59	0
4/23/2017 7:30	2.036	97.3	3.191	9.34	29.59	0
4/23/2017 7:45	1.898	123.6	21.81	9.59	29.59	0
4/23/2017 8:00	2.178	131.9	4.375	9.92	29.58	0
4/23/2017 8:15	2.745	138.1	14.95	10.22	29.58	0
4/23/2017 8:30	1.977	156.2	16.5	10.34	29.58	0
4/23/2017 8:45	3.573	151.1	20.37	10.45	29.58	0
4/23/2017 9:00	3.622	152	18.52	10.59	29.58	0
4/23/2017 9:15	3.381	144.9	26.66	10.86	29.58	0
4/23/2017 9:30	2.485	142.5	26.71	10.83	29.58	0
4/23/2017 9:45	2.912	208.2	29.24	10.83	29.58	0
4/23/2017 10:00	3.59	160.5	53.75	10.8	29.58	0
4/23/2017 10:15	4.748	184.3	32.74	10.71	29.58	0
4/23/2017 10:30	4.032	152.8	18.68	10.59	29.58	0
4/23/2017 10:45	4.59	131.1	14.37	10.49	29.58	0
4/23/2017 11:00	4.224	129.2	21.76	10.37	29.57	0.01
4/23/2017 11:15	7.398	181.3	32.29	10.02	29.57	0
4/23/2017 11:30	8.67	209.4	20.72	9.29	29.57	0.02
4/23/2017 11:45	7.873	184.9	13.43	9.59	29.57	0.01
4/23/2017 12:00	5.063	145.2	13.42	9.89	29.56	0
4/23/2017 12:15	7.367	159.6	13.79	9.64	29.56	0.01
4/23/2017 12:30	7.51	164.5	11.21	9.46	29.56	0.01
4/23/2017 12:45	7.156	157.7	11.37	9.26	29.56	0.01
4/23/2017 13:00	6.808	149.8	13.29	9.3	29.55	0.01
4/23/2017 13:15	5.659	142.7	9.78	9.25	29.55	0
4/23/2017 13:30	5.916	127.9	10.98	8.99	29.55	0.01
4/23/2017 13:45	6.714	133	9.34	8.83	29.55	0.01
4/23/2017 14:00	4.235	138	10.27	8.87	29.54	0.01
4/23/2017 14:15	4.028	152.2	9.25	8.97	29.54	0.01
4/23/2017 14:30	3.236	153.2	14.45	9.14	29.54	0.01
4/23/2017 14:45	6.501	157.9	10.54	8.89	29.54	0.03
4/23/2017 15:00	7.981	171.4	13.56	8.84	29.53	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
4/23/2017 15:15	10.03	170.6	10.85	8.84	29.53	0.01
4/23/2017 15:30	11.71	170	10.4	8.8	29.53	0.01
4/23/2017 15:45	11.85	178.5	9.28	8.69	29.53	0.01
4/23/2017 16:00	11.72	177.5	10.55	8.56	29.53	0.02
4/23/2017 16:15	11.79	168.1	10.32	8.34	29.53	0.01
4/23/2017 16:30	11.08	166	8.5	8.24	29.53	0.02
4/23/2017 16:45	10.13	158	8.55	8.1	29.53	0
4/23/2017 17:00	10.85	158.5	7.952	8.09	29.51	0.01
4/23/2017 17:15	11.18	157	9.07	8.01	29.51	0
4/23/2017 17:30	11.63	195.8	28.15	7.799	29.51	0.04
4/23/2017 17:45	6.679	206.5	8.72	7.133	29.51	0.02
4/23/2017 18:00	4.431	183.8	11.46	7.051	29.51	0.02
4/23/2017 18:15	4.05	186.9	15.94	7.068	29.51	0.02
4/23/2017 18:30	5.017	173.6	8.97	7.007	29.51	0.03
4/23/2017 18:45	3.694	151.6	16.45	6.945	29.51	0.01
4/23/2017 19:00	4.483	150	11.97	6.99	29.51	0.01
4/23/2017 19:15	5.23	146.9	10.11	7.041	29.51	0.01
4/23/2017 19:30	6.086	148.9	8.27	7.144	29.51	0.02
4/23/2017 19:45	5.653	141.1	9.43	7.145	29.51	0.01
4/23/2017 20:00	5.715	143	8.74	7.248	29.5	0
4/23/2017 20:15	5.687	136.2	6.55	7.219	29.5	0
4/23/2017 20:30	5.669	142	7.734	7.212	29.5	0
4/23/2017 20:45	6.109	140.4	6.955	7.321	29.5	0
4/23/2017 21:00	6.032	144.6	9.28	7.34	29.5	0
4/23/2017 21:15	6.888	160.5	9.89	7.377	29.5	0.01
4/23/2017 21:30	5.389	178.6	10.09	7.335	29.5	0.01
4/23/2017 21:45	5.092	190	22.69	7.253	29.5	0.01
4/23/2017 22:00	6.99	185.2	11.99	7.451	29.49	0
4/23/2017 22:15	3.426	142.1	9.45	7.044	29.49	0
4/23/2017 22:30	3.628	143.1	9.61	7.033	29.49	0
4/23/2017 22:45	3.697	148	10.66	7.062	29.49	0
4/23/2017 23:00	4.506	153.3	14.13	7.153	29.47	0
4/23/2017 23:15	4.601	137.8	6.16	7.04	29.47	0
4/23/2017 23:30	5.397	140	6.11	7.055	29.47	0
4/23/2017 23:45	5.952	143.8	8.5	6.941	29.47	0
4/24/2017 0:00	7.234	150.3	8.69	6.883	29.46	0
4/24/2017 0:15	6.783	141.7	8.9	6.736	29.46	0
4/24/2017 0:30	5.015	137.3	9.58	6.559	29.46	0.01
4/24/2017 0:45	3.516	140.8	12.11	6.509	29.46	0
4/24/2017 1:00	3.349	142.4	8.65	6.451	29.44	0
4/24/2017 1:15	4.284	145.7	6.195	6.359	29.44	0.01
4/24/2017 1:30	4.99	140.7	6.681	6.268	29.44	0.01
4/24/2017 1:45	4.895	136	7.483	6.194	29.44	0
4/24/2017 2:00	4.524	124	7.301	6.066	29.41	0.01
4/24/2017 2:15	3.995	117.6	7.252	6	29.41	0
4/24/2017 2:30	4.356	125.6	5.969	5.988	29.41	0.01
4/24/2017 2:45	4.083	126.8	7.192	6.089	29.41	0
4/24/2017 3:00	3.488	126.8	4.622	6.043	29.41	0
4/24/2017 3:15	3.307	137.9	10.35	5.934	29.41	0.01
4/24/2017 3:30	4.261	130.6	6.742	5.912	29.41	0
4/24/2017 3:45	4.19	124.3	6.524	5.88	29.41	0.01
4/24/2017 4:00	4.32	117.4	4.84	5.805	29.39	0
4/24/2017 4:15	3.961	111.3	4.026	5.738	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
4/24/2017 4:30	3.482	101.3	4.155	5.661	29.39	0.01
4/24/2017 4:45	2.759	86.7	11.54	5.597	29.39	0
4/24/2017 5:00	2.595	50.93	5.496	5.516	29.37	0
4/24/2017 5:15	3.133	38.98	7.86	5.343	29.37	0.01
4/24/2017 5:30	3.053	23.05	2.578	5.264	29.37	0
4/24/2017 5:45	3.25	31.57	3.455	5.257	29.37	0
4/24/2017 6:00	3.264	29.36	4.879	5.297	29.36	0
4/24/2017 6:15	3.774	22.05	6.378	5.332	29.36	0
4/24/2017 6:30	3.929	24.96	5.125	5.442	29.36	0
4/24/2017 6:45	3.444	24.93	5.908	5.694	29.36	0
4/24/2017 7:00	2.809	13.99	10.24	6.28	29.36	0
4/24/2017 7:15	2.865	17.16	13.99	6.788	29.36	0
4/24/2017 7:30	3.162	34.5	8.54	6.758	29.36	0
4/24/2017 7:45	5.855	34.83	7.31	6.917	29.36	0
4/24/2017 8:00	4.964	35.7	7.742	7.32	29.35	0
4/24/2017 8:15	5.385	29.67	13.73	7.826	29.35	0
4/24/2017 8:30	6.438	32.81	9.67	8.15	29.35	0
4/24/2017 8:45	7.431	24.61	10.24	8.21	29.35	0
4/24/2017 9:00	7.765	33.27	9.18	8.44	29.34	0
4/24/2017 9:15	8.41	34.54	10.61	8.77	29.34	0
4/24/2017 9:30	9.05	33.47	12.37	8.72	29.34	0
4/24/2017 9:45	9.44	31.76	10.94	8.59	29.34	0
4/24/2017 10:00	9.24	31.67	11.27	8.63	29.34	0
4/24/2017 10:15	8.21	27.01	11.21	8.71	29.34	0
4/24/2017 10:30	7.976	34.44	10.53	8.9	29.34	0
4/24/2017 10:45	8.17	27	12.35	9.19	29.34	0
4/24/2017 11:00	6.94	23.65	17.89	9.75	29.35	0
4/24/2017 11:15	6.234	344.5	20.52	9.94	29.35	0
4/24/2017 11:30	6.877	344.7	19.16	10.25	29.35	0
4/24/2017 11:45	7.916	351.8	21.61	10.39	29.35	0
4/24/2017 12:00	8.76	329.8	9.17	10.44	29.35	0
4/24/2017 12:15	9.24	323	9.59	10.69	29.35	0
4/24/2017 12:30	11.42	330.7	8.71	10.69	29.35	0
4/24/2017 12:45	10.2	322.5	12.27	10.9	29.35	0
4/24/2017 13:00	10.21	315.3	9.19	10.9	29.36	0
4/24/2017 13:15	11.89	312.8	8.72	10.87	29.36	0
4/24/2017 13:30	10.59	318.6	9.23	11	29.36	0
4/24/2017 13:45	9.57	310.1	10.47	11.31	29.36	0
4/24/2017 14:00	9.53	309.2	8.87	11.46	29.38	0
4/24/2017 14:15	10.97	311.4	6.752	11.39	29.38	0
4/24/2017 14:30	9.39	333.9	20.21	11.5	29.38	0
4/24/2017 14:45	9.61	325.4	11.87	11.47	29.38	0
4/24/2017 15:00	9.56	318.9	10.02	11.71	29.39	0
4/24/2017 15:15	10.4	320	12.18	11.83	29.39	0
4/24/2017 15:30	8.98	308.1	15.74	11.95	29.39	0
4/24/2017 15:45	9.15	309.4	14.12	12.05	29.39	0
4/24/2017 16:00	9.33	321.9	10.14	12	29.41	0
4/24/2017 16:15	9.66	308.6	12.84	12.04	29.41	0
4/24/2017 16:30	10.33	309.5	12.25	11.98	29.41	0
4/24/2017 16:45	9.88	308.3	9	12.31	29.41	0
4/24/2017 17:00	8.58	316	9.74	12.77	29.45	0
4/24/2017 17:15	7.744	300.5	20.12	12.76	29.45	0
4/24/2017 17:30	7.921	331.4	37.33	12.49	29.45	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
4/24/2017 17:45	3.962	109	31.99	11.09	29.45	0
4/24/2017 18:00	4.797	149.9	41.31	11.03	29.47	0
4/24/2017 18:15	6.83	126	9.55	10.23	29.47	0
4/24/2017 18:30	5.863	112.2	10.35	9.8	29.47	0
4/24/2017 18:45	6.306	136	20.11	9.63	29.47	0
4/24/2017 19:00	7.692	163.8	8.5	9.03	29.51	0
4/24/2017 19:15	6.056	181.4	10.58	8.76	29.51	0
4/24/2017 19:30	4.517	174.5	8.83	8.34	29.51	0
4/24/2017 19:45	3.761	162.2	12.24	8.12	29.51	0
4/24/2017 20:00	3.856	139.3	8.67	7.896	29.56	0
4/24/2017 20:15	3.395	137.1	8.99	7.789	29.56	0
4/24/2017 20:30	3.988	148.4	7.429	7.878	29.56	0
4/24/2017 20:45	6.282	159.9	7.524	7.993	29.56	0
4/24/2017 21:00	7.639	182.4	8.52	8.2	29.59	0
4/24/2017 21:15	7.092	184.8	7.844	8.32	29.59	0
4/24/2017 21:30	6.656	188.2	8.14	8.28	29.59	0
4/24/2017 21:45	6.088	185.5	10.93	8.26	29.59	0
4/24/2017 22:00	5.923	193.4	9.87	8.21	29.62	0
4/24/2017 22:15	5.283	192.3	9.61	8.11	29.62	0
4/24/2017 22:30	4.386	180.4	15.22	8.12	29.62	0
4/24/2017 22:45	4.966	175.3	16.65	8.15	29.62	0
4/24/2017 23:00	4.884	171.3	19.13	8.17	29.64	0
4/24/2017 23:15	5.508	152.9	10.76	8.12	29.64	0
4/24/2017 23:30	5.239	145.3	9.41	8.11	29.64	0
4/24/2017 23:45	4.891	153.1	11.57	8.04	29.64	0
4/25/2017 0:00	6.087	174.8	9.55	8.02	29.66	0
4/25/2017 0:15	6.046	167.4	9.53	7.98	29.66	0
4/25/2017 0:30	6.48	153.7	9.27	7.891	29.66	0
4/25/2017 0:45	6.292	150.2	9.84	7.883	29.66	0
4/25/2017 1:00	7.035	167.1	11.48	7.884	29.67	0
4/25/2017 1:15	7.254	167	14.81	7.861	29.67	0
4/25/2017 1:30	5.843	151.4	5.858	7.777	29.67	0
4/25/2017 1:45	6.734	184.2	13.04	7.843	29.67	0
4/25/2017 2:00	7.849	198.7	7.953	7.849	29.69	0
4/25/2017 2:15	8.07	198.2	10.03	7.787	29.69	0
4/25/2017 2:30	8.36	195.4	9.35	7.753	29.69	0
4/25/2017 2:45	9.08	201.3	11.32	7.701	29.69	0
4/25/2017 3:00	8.59	203.7	9.65	7.641	29.68	0
4/25/2017 3:15	8.83	205.3	10.29	7.581	29.68	0
4/25/2017 3:30	8.99	202.5	10.85	7.528	29.68	0
4/25/2017 3:45	6.713	193.7	9.79	7.471	29.68	0
4/25/2017 4:00	6.072	192.6	10.4	7.375	29.67	0
4/25/2017 4:15	5.381	174.2	16.46	7.182	29.67	0
4/25/2017 4:30	4.614	145	8.61	7.001	29.67	0
4/25/2017 4:45	3.817	136.2	8.72	6.935	29.67	0
4/25/2017 5:00	4.06	129.8	9.1	6.903	29.66	0
4/25/2017 5:15	4.488	138.4	7.794	6.912	29.66	0
4/25/2017 5:30	4.356	142.2	6.707	6.937	29.66	0
4/25/2017 5:45	4.35	143.6	5.506	6.936	29.66	0
4/25/2017 6:00	4.084	139.2	9.73	6.91	29.69	0.01
4/25/2017 6:15	2.799	133.9	9.64	6.958	29.69	0
4/25/2017 6:30	3.14	150	19.69	7.095	29.69	0.01
4/25/2017 6:45	4.523	172.6	21.35	7.303	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
4/25/2017 7:00	4.712	147.3	9.34	7.432	29.72	0
4/25/2017 7:15	4.98	154.9	10.7	7.688	29.72	0
4/25/2017 7:30	5.489	160.2	17.86	7.72	29.72	0
4/25/2017 7:45	5.835	165.9	12.9	7.873	29.72	0
4/25/2017 8:00	5.302	151.2	17.27	8.17	29.69	0
4/25/2017 8:15	5.459	150	20.57	8.59	29.69	0
4/25/2017 8:30	6.845	186.6	13.52	8.67	29.69	0
4/25/2017 8:45	6.115	176.8	20.19	9.08	29.69	0
4/25/2017 9:00	6.906	189.7	14.47	9.64	29.68	0
4/25/2017 9:15	6.463	191.5	13.81	9.47	29.68	0
4/25/2017 9:30	6.568	202.1	17.29	9.76	29.68	0
4/25/2017 9:45	5.31	197.6	15.61	9.95	29.68	0
4/25/2017 10:00	5.344	203.5	25.5	10.36	29.68	0
4/25/2017 10:15	5.172	226.7	13.97	10.18	29.68	0
4/25/2017 10:30	6.643	236.6	11.4	10.34	29.68	0
4/25/2017 10:45	8.18	229.6	14.93	10.67	29.68	0
4/25/2017 11:00	9.75	224	9.59	10.72	29.68	0
4/25/2017 11:15	7.394	228.4	17.83	10.94	29.68	0
4/25/2017 11:30	9.42	218	13.06	10.91	29.68	0
4/25/2017 11:45	8.04	204.6	15.56	11.21	29.68	0
4/25/2017 12:00	7.951	203	17.17	11.28	29.67	0
4/25/2017 12:15	6.995	199.5	15.29	11.31	29.67	0
4/25/2017 12:30	6.509	211.2	11.41	11.25	29.67	0
4/25/2017 12:45	6.949	201.7	19.26	11.56	29.67	0
4/25/2017 13:00	5.534	210.7	24	11.91	29.66	0
4/25/2017 13:15	7.796	229.2	13.66	11.67	29.66	0
4/25/2017 13:30	7.806	223.6	12.23	11.79	29.66	0
4/25/2017 13:45	5.79	198.4	23.9	12.04	29.66	0
4/25/2017 14:00	5.887	229.2	14.99	12	29.63	0
4/25/2017 14:15	5.004	197.3	19.44	11.96	29.63	0
4/25/2017 14:30	4.626	200.2	15.7	12.21	29.63	0
4/25/2017 14:45	3.836	208.4	20.56	12.05	29.63	0
4/25/2017 15:00	4.953	209.2	14.16	12.03	29.59	0
4/25/2017 15:15	7.009	257.4	18.57	11.41	29.59	0
4/25/2017 15:30	7.007	265.7	11.92	10.41	29.59	0
4/25/2017 15:45	4.495	302.5	15.16	10.25	29.59	0.01
4/25/2017 16:00	3.801	5.075	16.08	10.05	29.54	0
4/25/2017 16:15	3.53	41.2	9.5	10.23	29.54	0
4/25/2017 16:30	4.216	41.13	10.24	10.35	29.54	0
4/25/2017 16:45	1.894	34.62	3.048	10.62	29.54	0
4/25/2017 17:00	1.214	35.65	0.17	10.65	29.51	0
4/25/2017 17:15	0.785	35.68	0.086	10.68	29.51	0
4/25/2017 17:30	0.274	35.68	0.087	10.9	29.51	0
4/25/2017 17:45	1.46	35.67	0.137	10.56	29.51	0
4/25/2017 18:00	2.063	34.84	0.718	10.34	29.48	0
4/25/2017 18:15	2.245	19.26	6.102	10.32	29.48	0
4/25/2017 18:30	2.092	9.06	5.674	10.12	29.48	0
4/25/2017 18:45	2.001	12.21	10.47	9.95	29.48	0
4/25/2017 19:00	1.827	33.03	0.595	9.66	29.46	0
4/25/2017 19:15	1.539	19.89	33.68	9.55	29.46	0
4/25/2017 19:30	2.082	307.2	17.08	9.85	29.46	0
4/25/2017 19:45	1.815	313.7	7.094	9.76	29.46	0
4/25/2017 20:00	0.022	331.6	0.008	9.52	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
4/25/2017 20:15	0.628	331.4	0.202	9.52	29.44	0.01
4/25/2017 20:30	1.621	322.8	53.22	9.46	29.44	0
4/25/2017 20:45	1.447	179.3	27.96	9.33	29.44	0
4/25/2017 21:00	3.458	132.6	9.38	9.11	29.44	0
4/25/2017 21:15	6.163	136.9	8.94	9.01	29.44	0
4/25/2017 21:30	7.335	141.9	8.82	8.94	29.44	0.01
4/25/2017 21:45	7.949	141.1	11.82	8.84	29.44	0.01
4/25/2017 22:00	8.23	137.3	8.72	8.86	29.44	0
4/25/2017 22:15	9.83	159.6	8.89	8.91	29.44	0
4/25/2017 22:30	10.69	168.8	8.16	8.85	29.44	0
4/25/2017 22:45	9.63	172.9	8.98	8.75	29.44	0
4/25/2017 23:00	10.27	176.9	9.63	8.72	29.46	0.01
4/25/2017 23:15	11.75	183.4	10.74	8.72	29.46	0
4/25/2017 23:30	11	196.7	10.31	8.82	29.46	0
4/25/2017 23:45	13.68	193.1	7.973	8.84	29.46	0
4/26/2017 0:00	16	203.1	8.93	9.07	29.46	0
4/26/2017 0:15	16.44	205.1	7.405	9.13	29.46	0
4/26/2017 0:30	15.56	206.5	7.775	9.22	29.46	0
4/26/2017 0:45	15.08	211.5	8.51	9.31	29.46	0
4/26/2017 1:00	15.76	212.3	7.687	9.37	29.48	0
4/26/2017 1:15	14.04	213.9	8.21	9.39	29.48	0
4/26/2017 1:30	16.43	216	9.52	9.39	29.48	0
4/26/2017 1:45	16.84	214.3	11.46	9.38	29.48	0
4/26/2017 2:00	14.97	218.1	9.76	9.34	29.48	0
4/26/2017 2:15	16.32	221.3	8.92	9.32	29.48	0
4/26/2017 2:30	14.13	224.2	9.64	9.24	29.48	0
4/26/2017 2:45	14.28	224.2	9.72	9.1	29.48	0
4/26/2017 3:00	14.86	221.5	8.87	9.01	29.49	0
4/26/2017 3:15	10.25	215.4	10.67	8.77	29.49	0
4/26/2017 3:30	8.18	203.2	11.8	8.62	29.49	0
4/26/2017 3:45	8.12	191.9	10.35	8.52	29.49	0
4/26/2017 4:00	7.517	198.5	12.92	8.46	29.48	0
4/26/2017 4:15	6.139	188.9	8.64	8.34	29.48	0
4/26/2017 4:30	6.616	187.1	9.39	8.27	29.48	0
4/26/2017 4:45	7.478	190.7	9.38	8.26	29.48	0
4/26/2017 5:00	9.77	204.1	11.18	8.32	29.47	0
4/26/2017 5:15	10.77	209.1	7.763	8.36	29.47	0
4/26/2017 5:30	10.23	202.9	8	8.33	29.47	0
4/26/2017 5:45	10.33	198.7	9.82	8.35	29.47	0
4/26/2017 6:00	10.34	199.6	8.74	8.39	29.47	0
4/26/2017 6:15	10.91	199.9	8.42	8.37	29.47	0
4/26/2017 6:30	12.45	196.8	7.782	8.38	29.47	0
4/26/2017 6:45	13.86	203.1	9.16	8.42	29.47	0
4/26/2017 7:00	11.33	200.8	11.33	8.47	29.48	0
4/26/2017 7:15	9.78	197	14.09	8.38	29.48	0
4/26/2017 7:30	10.26	207.2	13.18	8.45	29.48	0
4/26/2017 7:45	10.58	203.9	10.58	8.47	29.48	0
4/26/2017 8:00	12.24	207.9	12.52	8.49	29.49	0
4/26/2017 8:15	12.94	212	11.68	8.69	29.49	0
4/26/2017 8:30	14.99	217.7	12.81	8.96	29.49	0
4/26/2017 8:45	12.22	213.5	11.16	9.17	29.49	0
4/26/2017 9:00	15.79	210.7	9.42	8.95	29.5	0
4/26/2017 9:15	12.83	214.5	11.54	9.09	29.5	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
4/26/2017 9:30	12.5	209.7	12.28	9.39	29.5	0
4/26/2017 9:45	12.95	217.1	11.66	9.54	29.5	0
4/26/2017 10:00	13.86	215.8	14.1	9.95	29.53	0
4/26/2017 10:15	15.99	210.6	12.39	9.74	29.53	0
4/26/2017 10:30	17.96	209.8	14.67	9.61	29.53	0
4/26/2017 10:45	17.14	208.8	15.07	9.86	29.53	0
4/26/2017 11:00	15.68	213.1	11.45	9.92	29.52	0
4/26/2017 11:15	13.25	211.6	13.07	10.37	29.52	0
4/26/2017 11:30	16.64	213.7	11.66	10.95	29.52	0
4/26/2017 11:45	17.64	217.4	10.78	10.91	29.52	0
4/26/2017 12:00	16.98	215.5	10.13	11.24	29.52	0
4/26/2017 12:15	14.09	221.6	15.81	11.41	29.52	0
4/26/2017 12:30	15.9	236.4	17.17	11.62	29.52	0
4/26/2017 12:45	17.15	233.2	12.99	12.3	29.52	0
4/26/2017 13:00	17.83	229.9	14.18	12.22	29.54	0
4/26/2017 13:15	15.28	237.3	11.52	12.28	29.54	0
4/26/2017 13:30	19.53	231.4	14	12.79	29.54	0
4/26/2017 13:45	19.09	221.9	15.44	13	29.54	0
4/26/2017 14:00	15.99	216.7	11.29	12.68	29.54	0
4/26/2017 14:15	16.97	239.2	11.32	12.6	29.54	0
4/26/2017 14:30	17.4	241.7	11.17	12.27	29.54	0
4/26/2017 14:45	16.07	241.6	13.8	12.58	29.54	0
4/26/2017 15:00	17.07	246.1	12.52	12.93	29.55	0
4/26/2017 15:15	18.47	242.7	10.83	12.94	29.55	0
4/26/2017 15:30	9.3	29.42	78.15	10.4	29.55	0
4/26/2017 15:45	6.283	69.41	86.9	10.15	29.55	0
4/26/2017 16:00	9.37	38.65	14.14	9.08	29.55	0
4/26/2017 16:15	7.759	46.83	23.84	8.82	29.55	0
4/26/2017 16:30	7.909	189.8	79.23	10.01	29.55	0
4/26/2017 16:45	13.33	278.8	37.72	11.13	29.55	0
4/26/2017 17:00	18.08	251.9	13.12	11.78	29.59	0
4/26/2017 17:15	15.18	248.6	14.92	11.06	29.59	0
4/26/2017 17:30	7.61	290.9	59.84	10.42	29.59	0
4/26/2017 17:45	4.797	281.3	76.46	9.73	29.59	0
4/26/2017 18:00	7.961	298.2	73.13	9.15	29.58	0
4/26/2017 18:15	15.61	247.6	12.38	10.06	29.58	0
4/26/2017 18:30	19.94	241.8	9.54	9.8	29.58	0
4/26/2017 18:45	16.92	239.4	9.19	9.73	29.58	0
4/26/2017 19:00	14.48	232.3	8.69	9.53	29.61	0
4/26/2017 19:15	12.68	234.4	10.06	9.33	29.61	0
4/26/2017 19:30	13.68	235.3	8.5	9.14	29.61	0
4/26/2017 19:45	16.17	228.5	9.11	8.76	29.61	0
4/26/2017 20:00	17.8	229.2	8.98	8.36	29.65	0
4/26/2017 20:15	14.12	231.8	7.765	8.18	29.65	0
4/26/2017 20:30	13.52	227.8	11.73	8.13	29.65	0
4/26/2017 20:45	14.23	244.5	9.52	7.913	29.65	0
4/26/2017 21:00	16.23	226.3	11.68	7.85	29.68	0
4/26/2017 21:15	16.29	231	11.29	7.64	29.68	0
4/26/2017 21:30	15.64	224.9	9.81	7.466	29.68	0
4/26/2017 21:45	13.91	222.9	10.69	7.365	29.68	0
4/26/2017 22:00	11.8	225.8	8.59	7.334	29.7	0
4/26/2017 22:15	12.13	221.3	9.65	7.269	29.7	0
4/26/2017 22:30	9.38	219.5	11.22	7.179	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
4/26/2017 22:45	10.3	213.6	9.2	7.043	29.7	0
4/26/2017 23:00	10.5	208.3	9.17	6.921	29.71	0
4/26/2017 23:15	11.94	209.3	8.42	6.84	29.71	0
4/26/2017 23:30	11.59	210	9.21	6.72	29.71	0
4/26/2017 23:45	9.78	219.5	8.5	6.686	29.71	0
4/27/2017 0:00	7.593	224	10.43	6.637	29.73	0
4/27/2017 0:15	7.723	217.5	8.94	6.612	29.73	0
4/27/2017 0:30	8.51	204	7.813	6.404	29.73	0
4/27/2017 0:45	11.85	208.9	7.842	6.261	29.73	0
4/27/2017 1:00	12.32	206.3	7.246	6.043	29.74	0
4/27/2017 1:15	9.54	204.5	8.27	5.79	29.74	0.01
4/27/2017 1:30	9	200.5	10.57	5.779	29.74	0
4/27/2017 1:45	8.51	203.9	6.735	5.772	29.74	0
4/27/2017 2:00	7.938	197.3	10.35	5.798	29.75	0.01
4/27/2017 2:15	7.968	195.7	9.51	5.812	29.75	0
4/27/2017 2:30	8.47	188.6	10.86	5.796	29.75	0
4/27/2017 2:45	8.58	194.5	9.1	5.775	29.75	0
4/27/2017 3:00	7.931	194.3	8.94	5.726	29.76	0
4/27/2017 3:15	8.18	195.7	9.51	5.679	29.76	0
4/27/2017 3:30	7.272	194.9	10.37	5.629	29.76	0
4/27/2017 3:45	7.821	193.4	10.7	5.604	29.76	0
4/27/2017 4:00	6.592	197.5	11.86	5.603	29.77	0
4/27/2017 4:15	6.633	193.8	8.97	5.622	29.77	0
4/27/2017 4:30	7.534	193.6	7.456	5.621	29.77	0
4/27/2017 4:45	8.69	198.6	10.1	5.625	29.77	0
4/27/2017 5:00	8.97	203.2	10.73	5.644	29.79	0
4/27/2017 5:15	8.6	199.9	9.72	5.596	29.79	0
4/27/2017 5:30	7.893	195.2	7.293	5.574	29.79	0
4/27/2017 5:45	9.01	196.8	10.87	5.552	29.79	0
4/27/2017 6:00	8.92	212.1	9.3	5.592	29.8	0
4/27/2017 6:15	7.492	192.1	13.76	5.585	29.8	0
4/27/2017 6:30	7.72	197.1	14.96	5.631	29.8	0
4/27/2017 6:45	6.964	199.3	11.74	5.755	29.8	0
4/27/2017 7:00	8.24	203	6.81	5.854	29.81	0
4/27/2017 7:15	7.804	203.4	8.27	5.918	29.81	0
4/27/2017 7:30	6.291	204.5	14.93	5.978	29.81	0
4/27/2017 7:45	7.005	207	13.99	6.126	29.81	0
4/27/2017 8:00	8.47	208.7	14	6.32	29.83	0
4/27/2017 8:15	6.257	200.2	18.23	6.609	29.83	0
4/27/2017 8:30	6.544	193.4	15.44	6.95	29.83	0
4/27/2017 8:45	6.389	197.7	20.32	7.101	29.83	0
4/27/2017 9:00	7.375	193.2	12.04	7.456	29.83	0
4/27/2017 9:15	8.42	197.9	14.08	7.634	29.83	0
4/27/2017 9:30	5.308	199.1	25.34	7.902	29.83	0
4/27/2017 9:45	4.992	217.8	19.34	8.15	29.83	0
4/27/2017 10:00	4.395	209.6	29.03	8.55	29.83	0
4/27/2017 10:15	7.608	231.8	11.36	8.44	29.83	0
4/27/2017 10:30	5.423	213.2	22.97	8.72	29.83	0
4/27/2017 10:45	7.208	243.1	10.97	8.62	29.83	0
4/27/2017 11:00	5.029	221.3	18.21	9.07	29.83	0
4/27/2017 11:15	8.06	217.1	14.22	9.18	29.83	0
4/27/2017 11:30	7.008	211.7	28.89	9.26	29.83	0
4/27/2017 11:45	3.951	330.7	15.33	9.62	29.83	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
4/27/2017 12:00	3.208	279.6	33.12	9.94	29.82	0
4/27/2017 12:15	5.428	214.2	37.12	11.02	29.82	0
4/27/2017 12:30	6.25	217	19.63	10.96	29.82	0
4/27/2017 12:45	7.23	206.7	27.05	11.58	29.82	0
4/27/2017 13:00	6.452	235.3	42.53	12.08	29.82	0
4/27/2017 13:15	7.427	244	23.76	11.85	29.82	0
4/27/2017 13:30	9.85	261.7	20.48	11.88	29.82	0
4/27/2017 13:45	13.59	270.5	12.14	11.56	29.82	0
4/27/2017 14:00	11.21	279.3	10.63	10.72	29.82	0
4/27/2017 14:15	10.3	283.7	11.38	10.62	29.82	0
4/27/2017 14:30	9.59	303.4	12.43	10.67	29.82	0
4/27/2017 14:45	7.72	302.8	8.54	10.97	29.82	0
4/27/2017 15:00	6.573	355.6	26.74	11.97	29.84	0
4/27/2017 15:15	6.079	12.06	19.84	11.98	29.84	0
4/27/2017 15:30	9.22	321.7	16.77	11.3	29.84	0
4/27/2017 15:45	8.99	328.8	7.544	10.4	29.84	0
4/27/2017 16:00	6.851	311.7	26.27	10.97	29.83	0
4/27/2017 16:15	7.24	267.2	20.2	11.4	29.83	0
4/27/2017 16:30	6.196	323.1	54.88	10.55	29.83	0
4/27/2017 16:45	6.693	340.3	22.92	9.52	29.83	0
4/27/2017 17:00	6.302	341.1	32.34	9.73	29.82	0.01
4/27/2017 17:15	11.61	28.42	11.52	8.67	29.82	0
4/27/2017 17:30	9.69	32.02	10.57	8.46	29.82	0
4/27/2017 17:45	11.22	33.08	9.88	8.4	29.82	0
4/27/2017 18:00	11.98	29.53	11.13	7.895	29.84	0
4/27/2017 18:15	5.145	336.6	50.24	7.966	29.84	0
4/27/2017 18:30	4.883	202.4	15.44	8.2	29.84	0
4/27/2017 18:45	1.863	182	9.62	8.14	29.84	0
4/27/2017 19:00	3.312	18.02	25.46	8.28	29.86	0
4/27/2017 19:15	2.631	57.86	20.11	8.11	29.86	0
4/27/2017 19:30	2.75	34.72	25.2	8.07	29.86	0
4/27/2017 19:45	0.835	24.75	14.78	8.07	29.86	0
4/27/2017 20:00	3.663	18.07	20.07	8.02	29.89	0
4/27/2017 20:15	5.168	29.65	34.09	7.839	29.89	0
4/27/2017 20:30	4.171	22	12.06	7.762	29.89	0
4/27/2017 20:45	8.25	12.07	16.41	7.789	29.89	0
4/27/2017 21:00	10.07	22.8	10.7	7.514	29.92	0
4/27/2017 21:15	9.79	20.39	11.34	7.334	29.92	0
4/27/2017 21:30	11.03	20.25	11.61	7.137	29.92	0
4/27/2017 21:45	10.12	20.13	10.82	7.08	29.92	0
4/27/2017 22:00	10.03	21.17	11.88	6.904	29.94	0
4/27/2017 22:15	6.705	11.83	13.35	6.7	29.94	0
4/27/2017 22:30	6.438	10.52	16.17	6.643	29.94	0
4/27/2017 22:45	5.901	10.96	15.87	6.653	29.94	0
4/27/2017 23:00	5.728	17.2	10.13	6.65	29.96	0
4/27/2017 23:15	6.911	27.82	8.59	6.617	29.96	0
4/27/2017 23:30	4.627	34.42	14.79	6.589	29.96	0
4/27/2017 23:45	6.278	36.35	15.85	6.723	29.96	0
4/28/2017 0:00	6.906	29.07	15.34	6.814	29.98	0
4/28/2017 0:15	5.046	21.74	15.29	6.833	29.98	0
4/28/2017 0:30	2.781	9.71	36.5	6.732	29.98	0
4/28/2017 0:45	3.648	0.517	22.03	6.741	29.98	0
4/28/2017 1:00	3.317	290.5	83.4	6.401	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
4/28/2017 1:15	6.313	209.5	10.75	6.079	30	0
4/28/2017 1:30	5.244	224.3	9.03	5.949	30	0
4/28/2017 1:45	5.728	213.4	4.737	5.916	30	0
4/28/2017 2:00	4.557	215.9	4.588	5.91	30.02	0
4/28/2017 2:15	3.834	206.1	6.235	5.815	30.02	0
4/28/2017 2:30	1.561	180	52.78	5.745	30.02	0
4/28/2017 2:45	0.767	278.9	47.51	5.667	30.02	0
4/28/2017 3:00	3.336	224.2	7.324	5.711	30.03	0
4/28/2017 3:15	4.26	242.3	5.402	5.7	30.03	0
4/28/2017 3:30	3.335	237.6	6.703	5.692	30.03	0
4/28/2017 3:45	3.085	244.1	4.225	5.722	30.03	0
4/28/2017 4:00	4.393	229.2	8.24	5.667	30.06	0
4/28/2017 4:15	3.501	220	8.24	5.629	30.06	0
4/28/2017 4:30	4.705	230.6	4.41	5.572	30.06	0
4/28/2017 4:45	4.3	224.6	8.87	5.527	30.06	0
4/28/2017 5:00	3.134	216.3	9.42	5.561	30.08	0
4/28/2017 5:15	2.914	168.6	38.36	5.385	30.08	0.01
4/28/2017 5:30	2.148	78.05	29.44	5.302	30.08	0
4/28/2017 5:45	1.893	137.7	14.46	5.364	30.08	0
4/28/2017 6:00	2.089	160.7	14.42	5.307	30.11	0
4/28/2017 6:15	2.554	140.6	20.94	5.347	30.11	0
4/28/2017 6:30	2.598	130.6	14.98	5.451	30.11	0
4/28/2017 6:45	2.107	95.8	10.98	5.531	30.11	0
4/28/2017 7:00	2.23	149.2	19.91	5.717	30.13	0
4/28/2017 7:15	2.41	182.4	20.28	5.85	30.13	0
4/28/2017 7:30	4.113	204.7	8.47	5.951	30.13	0
4/28/2017 7:45	4.481	205.4	6.302	6.033	30.13	0
4/28/2017 8:00	3.438	207.4	10.17	6.138	30.15	0
4/28/2017 8:15	2.379	197.4	23.89	6.403	30.15	0
4/28/2017 8:30	1.63	161.4	34.62	6.65	30.15	0
4/28/2017 8:45	1.897	120.8	11.64	6.494	30.15	0
4/28/2017 9:00	2.639	134.9	19.99	6.678	30.15	0
4/28/2017 9:15	1.442	126.1	32.2	6.883	30.15	0
4/28/2017 9:30	1.525	103	27.41	7.193	30.15	0
4/28/2017 9:45	2.152	187.4	28.17	7.483	30.15	0
4/28/2017 10:00	2.485	184.7	32.54	8.15	30.19	0
4/28/2017 10:15	1.645	98.3	59.53	8.16	30.19	0
4/28/2017 10:30	2.478	254.8	55.81	8.62	30.19	0
4/28/2017 10:45	2.062	243.4	41.55	8.61	30.19	0
4/28/2017 11:00	1.118	295.3	28.84	9.09	30.19	0
4/28/2017 11:15	1.513	260.3	44.77	10.07	30.19	0
4/28/2017 11:30	3.983	285.2	33.31	9.88	30.19	0
4/28/2017 11:45	4.072	321.5	29.05	9.72	30.19	0
4/28/2017 12:00	5.052	350.9	19	9.63	30.19	0
4/28/2017 12:15	3.632	38.71	25.16	9.86	30.19	0
4/28/2017 12:30	3.728	31.92	32.99	10.35	30.19	0
4/28/2017 12:45	3.351	357.6	19.53	10.48	30.19	0
4/28/2017 13:00	3.577	343.1	27.4	10.91	30.19	0
4/28/2017 13:15	4.122	301.8	29.03	11.67	30.19	0
4/28/2017 13:30	4.214	258.8	20.56	12.08	30.19	0
4/28/2017 13:45	4.339	291	23.53	12.45	30.19	0
4/28/2017 14:00	3.942	261.4	53.75	13	30.18	0
4/28/2017 14:15	2.843	293.9	55.66	12.73	30.18	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
4/28/2017 14:30	2.719	41.71	43.7	12.01	30.18	0
4/28/2017 14:45	2.885	70.28	27.61	12.16	30.18	0
4/28/2017 15:00	1.809	80.1	14.82	12.12	30.15	0
4/28/2017 15:15	2.915	133.2	23.91	12.44	30.15	0
4/28/2017 15:30	1.726	203.5	73.25	13.11	30.15	0
4/28/2017 15:45	1.164	44.54	36.18	13.14	30.15	0
4/28/2017 16:00	1.236	2.163	9.26	12.54	30.15	0
4/28/2017 16:15	2.132	138.3	29.8	12.59	30.15	0
4/28/2017 16:30	3.322	158	9.8	12.43	30.15	0
4/28/2017 16:45	2.968	163.1	21.88	12.4	30.15	0
4/28/2017 17:00	2.471	90.8	34.58	12.42	30.14	0
4/28/2017 17:15	1.451	25.03	7.19	12.35	30.14	0
4/28/2017 17:30	1.906	29.63	5.542	12.21	30.14	0
4/28/2017 17:45	0.399	30.52	0.112	12.17	30.14	0
4/28/2017 18:00	0.185	30.52	0.094	12.76	30.14	0
4/28/2017 18:15	0.011	30.52	0.005	12.95	30.14	0
4/28/2017 18:30	1.233	30.04	0.038	12.58	30.14	0
4/28/2017 18:45	1.824	31.3	2.187	11.95	30.14	0
4/28/2017 19:00	3.492	46.26	7.117	11.33	30.13	0
4/28/2017 19:15	2.936	62.52	12.29	10.94	30.13	0
4/28/2017 19:30	2.811	38.3	9.53	10.33	30.13	0
4/28/2017 19:45	2.722	37.03	4.116	10.08	30.13	0
4/28/2017 20:00	3.099	67.65	7.582	9.94	30.11	0
4/28/2017 20:15	2.121	68.35	1.025	9.64	30.11	0
4/28/2017 20:30	2.043	68.89	0.399	9.86	30.11	0
4/28/2017 20:45	2.256	76.11	5.014	9.3	30.11	0
4/28/2017 21:00	2.07	81	3.804	8.3	30.11	0
4/28/2017 21:15	2.006	92.1	5.787	8.42	30.11	0
4/28/2017 21:30	1.799	132.7	21	8.99	30.11	0
4/28/2017 21:45	1.748	113.7	10.25	7.827	30.11	0
4/28/2017 22:00	0.925	135.2	38.47	8.07	30.12	0
4/28/2017 22:15	3.861	215.4	13.68	7.554	30.12	0
4/28/2017 22:30	8.14	205.5	5.819	7.08	30.12	0
4/28/2017 22:45	6.183	203.3	5.934	7.128	30.12	0
4/28/2017 23:00	4.78	129.9	34.14	6.733	30.12	0
4/28/2017 23:15	5.329	98.7	12.3	6.321	30.12	0
4/28/2017 23:30	6.238	119.8	6.766	6.307	30.12	0
4/28/2017 23:45	6.439	129.9	9.23	6.621	30.12	0
4/29/2017 0:00	6.933	129.8	6.63	6.813	30.11	0
4/29/2017 0:15	5.885	126.6	8.36	6.796	30.11	0
4/29/2017 0:30	6.017	130.7	7.442	6.997	30.11	0
4/29/2017 0:45	4.63	124.5	8.31	6.935	30.11	0
4/29/2017 1:00	4.734	131.5	9.11	6.94	30.12	0
4/29/2017 1:15	4.6	137.5	7.003	7.166	30.12	0
4/29/2017 1:30	4.747	139.2	5.569	7.057	30.12	0
4/29/2017 1:45	4.694	131.7	5.803	6.998	30.12	0
4/29/2017 2:00	4.144	131.8	5.543	6.817	30.11	0
4/29/2017 2:15	3.525	125.6	4.244	6.811	30.11	0
4/29/2017 2:30	3.833	129.7	3.93	6.654	30.11	0
4/29/2017 2:45	5.223	140.1	6.446	6.292	30.11	0
4/29/2017 3:00	4.931	146.9	6.7	5.794	30.09	0
4/29/2017 3:15	4.04	149.1	5.612	5.895	30.09	0
4/29/2017 3:30	3.649	136.7	7.279	6.002	30.09	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
4/29/2017 3:45	2.813	132.9	6.204	5.712	30.09	0
4/29/2017 4:00	3.334	155.9	6.254	5.092	30.08	0
4/29/2017 4:15	3.785	175.7	11.79	4.844	30.08	0
4/29/2017 4:30	4.018	187.9	9.61	4.193	30.08	0
4/29/2017 4:45	3.99	174.4	13.58	4.269	30.08	0
4/29/2017 5:00	3.625	175.1	7.561	4.215	30.06	0
4/29/2017 5:15	3.96	161	7.975	4.703	30.06	0
4/29/2017 5:30	3.801	169.8	11.58	4.938	30.06	0
4/29/2017 5:45	3.864	187.1	7.946	4.971	30.06	0
4/29/2017 6:00	3.364	170.9	11.9	5.479	30.07	0
4/29/2017 6:15	3.005	157.5	16.06	6.075	30.07	0
4/29/2017 6:30	2.689	158.7	8.66	6.029	30.07	0
4/29/2017 6:45	2.418	159.2	5.803	6.489	30.07	0
4/29/2017 7:00	2.238	177.4	14.05	6.906	30.07	0
4/29/2017 7:15	1.867	180.1	15.78	7.35	30.07	0
4/29/2017 7:30	1.836	180.1	24.8	7.889	30.07	0
4/29/2017 7:45	1.74	181.6	23.72	8.15	30.07	0
4/29/2017 8:00	2.515	214.5	28.08	8.4	30.1	0
4/29/2017 8:15	3.58	225.1	8.84	8.39	30.1	0
4/29/2017 8:30	3.915	229.3	7.792	8.47	30.1	0
4/29/2017 8:45	3.93	215.3	12.23	8.67	30.1	0
4/29/2017 9:00	4.483	206.4	9.74	8.82	30.08	0
4/29/2017 9:15	4.396	158.8	25.11	9.19	30.08	0
4/29/2017 9:30	4.498	172.7	14.26	9.54	30.08	0
4/29/2017 9:45	5.15	145.7	25.52	9.85	30.08	0
4/29/2017 10:00	4.588	167.8	17.77	10.13	30.04	0
4/29/2017 10:15	3.601	139.5	22.89	10.27	30.04	0
4/29/2017 10:30	4.346	189.1	25.14	10.59	30.04	0
4/29/2017 10:45	5.358	236.2	14.72	10.69	30.04	0
4/29/2017 11:00	5.851	238.2	14.41	11.01	30.02	0
4/29/2017 11:15	5.019	243.7	17.46	11	30.02	0
4/29/2017 11:30	5.594	254.2	10.76	11.16	30.02	0
4/29/2017 11:45	3.196	238.6	26.6	11.35	30.02	0
4/29/2017 12:00	3.808	190.2	37.89	11.53	30	0
4/29/2017 12:15	3.163	149.9	23.69	11.85	30	0
4/29/2017 12:30	4.769	128.4	12.95	12.01	30	0
4/29/2017 12:45	6.876	142.2	9.33	12.04	30	0
4/29/2017 13:00	6.008	160.5	11.87	12.26	29.96	0
4/29/2017 13:15	5.912	151.8	18.78	12.56	29.96	0
4/29/2017 13:30	6.934	204.2	10.6	12.96	29.96	0
4/29/2017 13:45	7.467	207.3	14.77	12.97	29.96	0
4/29/2017 14:00	7.842	219.7	22.5	12.91	29.96	0
4/29/2017 14:15	8.8	235.2	7.459	12.72	29.96	0
4/29/2017 14:30	5.365	231.1	13.19	12.58	29.96	0
4/29/2017 14:45	4.248	199.1	10.32	12.33	29.96	0
4/29/2017 15:00	3.412	213.2	15.44	12.32	29.96	0
4/29/2017 15:15	2.908	207.1	16.42	12.37	29.96	0
4/29/2017 15:30	2.021	204.7	22.79	12.48	29.96	0
4/29/2017 15:45	1.157	204.7	23.18	12.54	29.96	0
4/29/2017 16:00	2.7	149.5	13.8	12.53	29.93	0
4/29/2017 16:15	3.486	135.3	10.87	12.33	29.93	0
4/29/2017 16:30	4.457	167.5	21.4	12.45	29.93	0
4/29/2017 16:45	7.06	161.5	14.12	12.31	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
4/29/2017 17:00	9.5	166.6	9.77	12.15	29.9	0
4/29/2017 17:15	9.3	161.8	5.958	11.84	29.9	0
4/29/2017 17:30	8.76	161.3	6.705	11.4	29.9	0
4/29/2017 17:45	9.93	165.8	6.351	11.05	29.9	0.01
4/29/2017 18:00	9.01	188.1	7.393	10.95	29.89	0
4/29/2017 18:15	10.04	178.5	9.99	10.45	29.89	0.01
4/29/2017 18:30	8.32	183.4	19.97	10.02	29.89	0
4/29/2017 18:45	3.715	241.8	19.96	9.65	29.89	0
4/29/2017 19:00	5.261	267.8	21.19	9.38	29.88	0.01
4/29/2017 19:15	8.57	286.8	9.62	8.68	29.88	0
4/29/2017 19:30	6.819	260.9	12.29	8.23	29.88	0.04
4/29/2017 19:45	3.678	216.4	38.41	8.04	29.88	0.01
4/29/2017 20:00	2.835	205.9	15.8	7.951	29.88	0.01
4/29/2017 20:15	2.293	169	11.11	7.85	29.88	0
4/29/2017 20:30	3.751	190.2	15.11	7.799	29.88	0
4/29/2017 20:45	4.951	198.7	5.796	7.789	29.88	0.01
4/29/2017 21:00	5.537	196.7	6.997	7.765	29.88	0.01
4/29/2017 21:15	6.13	186.7	9.81	7.72	29.88	0.01
4/29/2017 21:30	6.801	157.8	6.296	7.623	29.88	0.01
4/29/2017 21:45	7.064	168.1	11.1	7.711	29.88	0.01
4/29/2017 22:00	7.248	159.6	7.414	7.817	29.87	0
4/29/2017 22:15	6.022	152.9	8.63	7.909	29.87	0.01
4/29/2017 22:30	5.154	142.1	11.55	8.02	29.87	0
4/29/2017 22:45	5.672	152.4	12.72	8.15	29.87	0
4/29/2017 23:00	6.479	176	13.55	8.28	29.88	0
4/29/2017 23:15	8.18	160.4	9.8	8.39	29.88	0.01
4/29/2017 23:30	9.36	184.3	11.58	8.65	29.88	0
4/29/2017 23:45	10.06	184.8	9.32	8.78	29.88	0
4/30/2017 0:00	11.8	192.3	12.45	8.92	29.88	0
4/30/2017 0:15	12.04	206.2	9.16	9.03	29.88	0
4/30/2017 0:30	12.68	208.8	10.07	9.18	29.88	0
4/30/2017 0:45	14.49	213.6	7.449	9.28	29.88	0
4/30/2017 1:00	13.26	206.1	8.28	9.27	29.88	0
4/30/2017 1:15	13.98	205.1	8.31	9.26	29.88	0
4/30/2017 1:30	13.75	207.2	8.01	9.23	29.88	0
4/30/2017 1:45	14.79	211.1	8.05	9.21	29.88	0
4/30/2017 2:00	14.33	211.6	8.27	9.15	29.9	0
4/30/2017 2:15	12.93	213.8	8.47	9.1	29.9	0
4/30/2017 2:30	13.77	222.5	8.7	9.06	29.9	0
4/30/2017 2:45	10.21	238.2	11.43	8.93	29.9	0
4/30/2017 3:00	11.78	252.5	8.61	8.83	29.93	0
4/30/2017 3:15	11.5	252.7	8.65	8.68	29.93	0
4/30/2017 3:30	11.71	248.9	10.56	8.55	29.93	0
4/30/2017 3:45	11.12	236.8	10.4	8.37	29.93	0
4/30/2017 4:00	13.1	240	9.12	8.15	29.94	0
4/30/2017 4:15	9.46	248.9	9.27	7.958	29.94	0
4/30/2017 4:30	9.04	245.4	9.86	7.81	29.94	0
4/30/2017 4:45	10.01	241.4	8.34	7.605	29.94	0
4/30/2017 5:00	11.03	245.1	8.54	7.372	29.96	0
4/30/2017 5:15	10.14	243.5	7.727	7.347	29.96	0
4/30/2017 5:30	11.36	241.7	9.91	7.398	29.96	0
4/30/2017 5:45	13.05	244.8	8.13	7.388	29.96	0
4/30/2017 6:00	12.05	245.7	8.07	7.404	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
4/30/2017 6:15	12.16	240.4	8.44	7.48	29.98	0
4/30/2017 6:30	9.55	234.3	8.12	7.527	29.98	0
4/30/2017 6:45	9.76	217.6	6.654	7.503	29.98	0
4/30/2017 7:00	7.435	196.5	10.72	7.391	30	0
4/30/2017 7:15	8.27	193.5	9.24	7.547	30	0
4/30/2017 7:30	10.03	181.5	11.37	8.04	30	0
4/30/2017 7:45	9.05	187.2	9.72	7.75	30	0
4/30/2017 8:00	7.912	197.3	20.66	7.73	30.02	0
4/30/2017 8:15	9.48	199.1	15.14	7.738	30.02	0
4/30/2017 8:30	10.85	217.8	8.12	7.923	30.02	0
4/30/2017 8:45	9.5	224.9	11.44	7.986	30.02	0
4/30/2017 9:00	8.32	220.4	8.4	8	30.04	0
4/30/2017 9:15	6.123	231.8	9.85	8.07	30.04	0
4/30/2017 9:30	4.308	253	19.48	8.16	30.04	0
4/30/2017 9:45	4.087	0.962	65.42	7.595	30.04	0.01
4/30/2017 10:00	7.5	30.74	9.66	6.74	30.07	0
4/30/2017 10:15	8.54	33.92	10.33	6.972	30.07	0
4/30/2017 10:30	8.75	32.73	8.61	7.197	30.07	0.01
4/30/2017 10:45	7.384	33.09	9.41	7.334	30.07	0
4/30/2017 11:00	8.73	35.35	9.27	7.765	30.1	0
4/30/2017 11:15	10.8	30.83	7.551	8.12	30.1	0
4/30/2017 11:30	9.67	31.43	7.995	8.39	30.1	0
4/30/2017 11:45	6.344	66.35	21.55	9.23	30.1	0
4/30/2017 12:00	3.606	51.62	44.77	9.98	30.11	0
4/30/2017 12:15	3.284	177.5	28.73	10.36	30.11	0
4/30/2017 12:30	1.791	226	47.28	11.21	30.11	0
4/30/2017 12:45	2.105	287.1	37.72	11.06	30.11	0
4/30/2017 13:00	1.175	238.6	35.19	11.08	30.1	0
4/30/2017 13:15	2.017	263.2	79.55	10.99	30.1	0
4/30/2017 13:30	8.12	221.8	11.21	10.31	30.1	0
4/30/2017 13:45	7.532	240.5	16.22	9.65	30.1	0.02
4/30/2017 14:00	2.911	357.5	50.65	8.85	30.11	0.02
4/30/2017 14:15	4.846	33.09	13.66	7.962	30.11	0
4/30/2017 14:30	5.873	59.96	6.894	7.86	30.11	0
4/30/2017 14:45	5.191	64.63	6.979	8.16	30.11	0
4/30/2017 15:00	4.154	65.67	8.16	8.26	30.11	0
4/30/2017 15:15	3.073	63.03	21.14	8.31	30.11	0
4/30/2017 15:30	3.399	62.14	9.38	8.35	30.11	0
4/30/2017 15:45	4.156	65.43	14.37	8.53	30.11	0.01
4/30/2017 16:00	4.704	54.92	8.63	8.45	30.13	0
4/30/2017 16:15	4.529	71.86	9.31	8.71	30.13	0
4/30/2017 16:30	4.061	90.4	12.98	8.89	30.13	0.01
4/30/2017 16:45	4.631	106.9	13.11	9.02	30.13	0
4/30/2017 17:00	2.797	94.8	9.76	8.96	30.13	0
4/30/2017 17:15	4.318	98	15.01	8.61	30.13	0.04
4/30/2017 17:30	4.976	56.66	10.09	8.27	30.13	0.01
4/30/2017 17:45	4.316	2.588	17.49	8.29	30.13	0
4/30/2017 18:00	4.359	36.78	20.17	8.04	30.12	0
4/30/2017 18:15	3.388	74.75	5.899	7.842	30.12	0
4/30/2017 18:30	3.903	80.7	1.661	7.795	30.12	0.01
4/30/2017 18:45	3.94	83.9	8.57	7.694	30.12	0
4/30/2017 19:00	3.561	94.4	5.644	7.507	30.13	0.01
4/30/2017 19:15	2.746	107.8	24.13	7.371	30.13	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
4/30/2017 19:30	3.248	144.8	28	7.516	30.13	0.01
4/30/2017 19:45	4.43	108.7	6.115	7.267	30.13	0.02
4/30/2017 20:00	5.772	118.6	8.64	7.063	30.14	0
4/30/2017 20:15	3.731	122.7	17.33	7.143	30.14	0
4/30/2017 20:30	2.873	78.28	10.54	7.004	30.14	0
4/30/2017 20:45	3.306	79.06	8.44	6.952	30.14	0
4/30/2017 21:00	3.736	91.5	6.176	6.97	30.15	0.01
4/30/2017 21:15	3.439	111.7	17.2	7.004	30.15	0
4/30/2017 21:30	3.265	87.1	17.7	6.938	30.15	0
4/30/2017 21:45	4.186	67.95	9.49	6.843	30.15	0
4/30/2017 22:00	4.343	43.16	13.17	6.836	30.16	0.01
4/30/2017 22:15	5.197	69.6	7.152	6.725	30.16	0
4/30/2017 22:30	5.034	83.7	24.94	6.635	30.16	0.01
4/30/2017 22:45	5.345	108.9	13.47	6.684	30.16	0
4/30/2017 23:00	4.322	101.7	5.687	6.612	30.17	0
4/30/2017 23:15	3.649	108.9	8.19	6.624	30.17	0
4/30/2017 23:30	4.443	104.8	5.67	6.614	30.17	0
4/30/2017 23:45	4.315	98.4	9	6.573	30.17	0
5/1/2017 0:00	3.837	103.6	8.94	6.568	30.17	0
5/1/2017 0:15	3.729	100.9	10.76	6.517	30.17	0
5/1/2017 0:30	3.754	88.7	12.46	6.493	30.17	0
5/1/2017 0:45	3.764	97.6	17.71	6.427	30.17	0.01
5/1/2017 1:00	4.204	108.9	8.66	6.407	30.15	0.02
5/1/2017 1:15	4.026	102.5	8.14	6.299	30.15	0
5/1/2017 1:30	3.577	113.6	9.19	6.216	30.15	0
5/1/2017 1:45	3.305	120.9	9.34	6.176	30.15	0
5/1/2017 2:00	4.814	130.5	5.918	6.188	30.14	0
5/1/2017 2:15	4.736	123.6	6.92	6.173	30.14	0
5/1/2017 2:30	4.019	132.3	10.82	6.082	30.14	0
5/1/2017 2:45	4.076	134.3	5.604	6.009	30.14	0
5/1/2017 3:00	4.05	129.3	5.543	5.958	30.12	0
5/1/2017 3:15	4.235	138.6	5.592	5.989	30.12	0
5/1/2017 3:30	4.244	147.3	6.185	6.058	30.12	0
5/1/2017 3:45	4.573	145.7	8.84	5.961	30.12	0
5/1/2017 4:00	4.587	154.7	7.469	5.982	30.1	0
5/1/2017 4:15	2.726	117.5	28.63	5.752	30.1	0
5/1/2017 4:30	2.304	97.6	15.64	5.502	30.1	0
5/1/2017 4:45	3.036	127.6	9.94	5.54	30.1	0
5/1/2017 5:00	4.061	148	5.617	6.04	30.1	0
5/1/2017 5:15	3.055	141	8.82	5.873	30.1	0
5/1/2017 5:30	3.332	129.8	2.974	5.641	30.1	0
5/1/2017 5:45	3.287	135.5	5.542	5.771	30.1	0
5/1/2017 6:00	3.717	130.8	9.01	5.959	30.07	0
5/1/2017 6:15	3.67	139.2	7.985	5.952	30.07	0
5/1/2017 6:30	2.388	169.9	17.18	6.127	30.07	0
5/1/2017 6:45	2.443	181.3	15.8	6.348	30.07	0
5/1/2017 7:00	2.769	139.1	7.546	6.348	30.07	0
5/1/2017 7:15	2.794	133.7	8.98	6.354	30.07	0
5/1/2017 7:30	4.176	134.2	5.966	6.428	30.07	0
5/1/2017 7:45	3.713	140.4	9.65	6.726	30.07	0
5/1/2017 8:00	3.39	157.6	11.18	6.857	30.06	0
5/1/2017 8:15	4.331	160.6	13.48	6.914	30.06	0
5/1/2017 8:30	4.478	148.9	10.78	6.839	30.06	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
5/1/2017 8:45	3.896	127.4	7.514	6.745	30.06	0
5/1/2017 9:00	3.618	120	9.19	6.637	30.04	0.01
5/1/2017 9:15	3.333	126.4	17.2	6.706	30.04	0
5/1/2017 9:30	4.645	136.4	10.67	6.792	30.04	0.01
5/1/2017 9:45	4.595	149.4	9.66	6.647	30.04	0
5/1/2017 10:00	2.381	106.1	18.08	6.587	30.02	0.01
5/1/2017 10:15	0.481	57.8	6.376	6.7	30.02	0.01
5/1/2017 10:30	0.057	53.77	0.016	6.915	30.02	0.01
5/1/2017 10:45	2.744	175.1	41.63	6.945	30.02	0.01
5/1/2017 11:00	2.789	198	15.67	6.961	30.03	0
5/1/2017 11:15	3.187	179.8	16.05	7.029	30.03	0.01
5/1/2017 11:30	3.883	188.6	25.65	7.46	30.03	0
5/1/2017 11:45	5.592	153.8	15.21	7.504	30.03	0
5/1/2017 12:00	4.274	170.3	33.68	7.406	30.02	0
5/1/2017 12:15	3.548	140	23.86	7.36	30.02	0
5/1/2017 12:30	3.586	183.3	24.49	7.291	30.02	0
5/1/2017 12:45	2.316	202.5	26.32	7.295	30.02	0
5/1/2017 13:00	2.48	130.4	49.2	7.316	30.01	0
5/1/2017 13:15	3.193	77.56	3.902	7.048	30.01	0
5/1/2017 13:30	3.372	79.81	4.375	7.01	30.01	0
5/1/2017 13:45	3.129	75.32	8.54	7.015	30.01	0.01
5/1/2017 14:00	2.889	52.84	3.152	7.193	30	0
5/1/2017 14:15	2.185	55.46	10.5	7.456	30	0
5/1/2017 14:30	1.469	88.2	9.65	7.621	30	0
5/1/2017 14:45	1.598	145	28.7	7.786	30	0
5/1/2017 15:00	2.335	166.9	47.75	7.902	30	0
5/1/2017 15:15	3.061	105.7	17.85	7.597	30	0
5/1/2017 15:30	3.834	117.4	12.72	7.818	30	0
5/1/2017 15:45	4.797	122.2	14.65	7.625	30	0
5/1/2017 16:00	4.696	136.3	14.05	7.477	29.98	0
5/1/2017 16:15	4.226	126.6	11.1	7.447	29.98	0
5/1/2017 16:30	4.764	127.5	10.68	7.234	29.98	0
5/1/2017 16:45	3.82	131.2	9.69	7.358	29.98	0
5/1/2017 17:00	4.333	126.8	8.55	7.554	29.97	0
5/1/2017 17:15	4.452	130.6	9.13	7.517	29.97	0
5/1/2017 17:30	4.414	153.8	12.43	7.606	29.97	0
5/1/2017 17:45	3.812	144.6	9.31	7.477	29.97	0
5/1/2017 18:00	2.488	142.7	12.45	7.501	29.97	0
5/1/2017 18:15	1.457	119	15.22	7.461	29.97	0
5/1/2017 18:30	1.697	98.1	0.301	7.391	29.97	0
5/1/2017 18:45	1.25	87	13.18	7.347	29.97	0
5/1/2017 19:00	1.407	72.29	0.184	7.291	29.97	0
5/1/2017 19:15	0.951	72.29	0.188	7.325	29.97	0
5/1/2017 19:30	1.908	72.62	0.156	7.315	29.97	0
5/1/2017 19:45	3.442	68.89	5.493	7.16	29.97	0
5/1/2017 20:00	2.591	53.49	2.969	6.988	29.97	0
5/1/2017 20:15	2.343	55.88	5.367	7.057	29.97	0
5/1/2017 20:30	2.372	58.63	6.491	7.094	29.97	0
5/1/2017 20:45	3.354	40.88	5.826	6.908	29.97	0
5/1/2017 21:00	3.901	30.1	4.64	6.761	29.97	0
5/1/2017 21:15	2.971	35.78	6.14	6.723	29.97	0
5/1/2017 21:30	3.536	43.42	8.23	6.707	29.97	0
5/1/2017 21:45	2.588	14.83	9.11	6.691	29.97	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
5/1/2017 22:00	2.158	24.11	1.629	6.765	30	0
5/1/2017 22:15	1.402	27.76	6.504	6.738	30	0
5/1/2017 22:30	2.887	43.12	4.083	6.646	30	0
5/1/2017 22:45	1.677	33.42	3.473	6.676	30	0
5/1/2017 23:00	0.914	47.2	12	6.809	29.97	0
5/1/2017 23:15	0.877	60.38	0.094	6.846	29.97	0
5/1/2017 23:30	1.221	63.35	3.088	6.803	29.97	0
5/1/2017 23:45	0.812	66.89	0.11	6.755	29.97	0
5/2/2017 0:00	0.79	66.89	0.119	6.849	29.97	0
5/2/2017 0:15	0.63	66.95	0.052	7.036	29.97	0
5/2/2017 0:30	0.714	67.01	0.134	6.731	29.97	0
5/2/2017 0:45	1.98	93.9	10.06	6.624	29.97	0
5/2/2017 1:00	1.656	138.8	18.46	6.715	29.97	0
5/2/2017 1:15	1.001	160.7	0.498	6.809	29.97	0
5/2/2017 1:30	1.844	158.9	2.872	6.676	29.97	0
5/2/2017 1:45	4.275	168.6	9.45	6.591	29.97	0
5/2/2017 2:00	5.04	159.6	13.21	6.789	29.95	0
5/2/2017 2:15	6.529	152.6	7.712	6.662	29.95	0
5/2/2017 2:30	5.442	173.8	12.65	6.615	29.95	0
5/2/2017 2:45	4.214	195	10.4	6.334	29.95	0
5/2/2017 3:00	1.464	152.1	29.17	6.078	29.94	0
5/2/2017 3:15	0.204	94.3	19.85	5.81	29.94	0
5/2/2017 3:30	1.858	4.596	4.584	5.844	29.94	0
5/2/2017 3:45	1.991	17.89	3.792	5.818	29.94	0
5/2/2017 4:00	1.376	16.26	9.1	5.771	29.96	0
5/2/2017 4:15	3.43	359.2	16.78	5.641	29.96	0
5/2/2017 4:30	3.083	39.22	0.45	5.396	29.96	0
5/2/2017 4:45	3.601	41.83	5.775	5.166	29.96	0
5/2/2017 5:00	4.496	41.89	5.765	5.242	29.96	0
5/2/2017 5:15	4.544	38.86	4.677	5.369	29.96	0
5/2/2017 5:30	3.753	39.45	5.631	5.546	29.96	0
5/2/2017 5:45	2.424	52.86	4.467	5.842	29.96	0
5/2/2017 6:00	1.552	56.76	0.22	6.474	29.98	0
5/2/2017 6:15	1.181	56.78	0.084	7.358	29.98	0
5/2/2017 6:30	1.187	56.61	0.106	7.005	29.98	0
5/2/2017 6:45	1.067	84.9	20.67	7.637	29.98	0
5/2/2017 7:00	3.964	112.4	8.7	7.75	29.99	0
5/2/2017 7:15	3.847	82.2	15.82	7.822	29.99	0
5/2/2017 7:30	3.793	69.35	8.18	7.735	29.99	0
5/2/2017 7:45	2.957	89.5	7.954	8.37	29.99	0
5/2/2017 8:00	2.504	77.62	8.07	8.89	30.01	0
5/2/2017 8:15	2.004	77.93	6.463	9.6	30.01	0
5/2/2017 8:30	1.397	59.94	4.359	10.17	30.01	0
5/2/2017 8:45	2.22	78.48	23.07	10.83	30.01	0
5/2/2017 9:00	2.768	68.52	14.4	11.21	30.02	0
5/2/2017 9:15	2.836	72.63	17.24	11.93	30.02	0
5/2/2017 9:30	3.292	85.4	53.32	12.78	30.02	0
5/2/2017 9:45	3.555	128.2	30.2	12.69	30.02	0
5/2/2017 10:00	4.623	187.3	22.29	13.09	30.01	0
5/2/2017 10:15	1.896	151.6	58.17	13.42	30.01	0
5/2/2017 10:30	1.612	48.63	21.32	13.54	30.01	0
5/2/2017 10:45	1.48	27.03	74.84	13.59	30.01	0
5/2/2017 11:00	2.088	97.8	59.63	14.49	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
5/2/2017 11:15	3.855	224	52.3	14.65	30	0
5/2/2017 11:30	4.004	248	26.77	14.77	30	0
5/2/2017 11:45	5.165	241.5	27.85	15.12	30	0
5/2/2017 12:00	3.498	239.2	32.22	15.1	30	0
5/2/2017 12:15	2.92	273.4	30.16	15.3	30	0
5/2/2017 12:30	3.028	280.6	25.08	15.6	30	0
5/2/2017 12:45	2.835	252.8	24.84	15.55	30	0
5/2/2017 13:00	2.519	289.5	26.68	16.11	30	0
5/2/2017 13:15	2.835	278.5	43.84	15.95	30	0
5/2/2017 13:30	1.016	262.2	38.86	16.42	30	0
5/2/2017 13:45	2.52	217.7	49.14	16.13	30	0
5/2/2017 14:00	0.985	206.7	37.9	16.08	30	0
5/2/2017 14:15	3.496	266.4	17.75	16.18	30	0
5/2/2017 14:30	1.912	246.9	38.61	16.35	30	0
5/2/2017 14:45	1.502	305.7	50.65	16.35	30	0
5/2/2017 15:00	2.94	290.7	16.54	16.35	30	0
5/2/2017 15:15	1.738	249.5	29.6	16.47	30	0
5/2/2017 15:30	1.757	264.9	41.66	16.51	30	0
5/2/2017 15:45	3.367	333.5	10.4	16.49	30	0
5/2/2017 16:00	3.643	310.3	11.04	16.37	29.99	0
5/2/2017 16:15	4.998	322.7	15.72	16.3	29.99	0
5/2/2017 16:30	6.032	282.7	15.4	15.93	29.99	0
5/2/2017 16:45	5.893	285.6	7.181	15.71	29.99	0
5/2/2017 17:00	6.404	282.6	5.929	15.51	29.98	0
5/2/2017 17:15	6.814	279.9	4.686	15.15	29.98	0
5/2/2017 17:30	5.751	291	7.021	14.74	29.98	0
5/2/2017 17:45	5.159	305.2	5.046	14.16	29.98	0
5/2/2017 18:00	5.064	300.5	7.764	13.78	29.96	0
5/2/2017 18:15	6.182	275.7	6.608	13.53	29.96	0
5/2/2017 18:30	4.904	266.7	7.116	13.15	29.96	0
5/2/2017 18:45	1.245	247.9	6.712	12.95	29.96	0.01
5/2/2017 19:00	1.637	270.5	11.21	12.76	29.96	0.01
5/2/2017 19:15	3.074	289	4.43	12.43	29.96	0
5/2/2017 19:30	2.554	294.3	4.873	12.32	29.96	0
5/2/2017 19:45	1.578	291.4	2.017	12.2	29.96	0
5/2/2017 20:00	0.306	292.2	0.222	12.09	29.98	0.01
5/2/2017 20:15	1.028	291.4	0.121	11.91	29.98	0
5/2/2017 20:30	1.719	164.7	58.5	11.85	29.98	0.01
5/2/2017 20:45	2.093	141.4	6.77	11.73	29.98	0
5/2/2017 21:00	2.204	125.4	6.524	11.67	29.98	0
5/2/2017 21:15	1.478	109.7	12.76	11.61	29.98	0
5/2/2017 21:30	1.975	144.7	2.455	11.79	29.98	0
5/2/2017 21:45	0.309	131.5	13.83	11.75	29.98	0.01
5/2/2017 22:00	2.115	43.06	7.672	11.62	29.98	0
5/2/2017 22:15	1.167	40.75	0.099	11.5	29.98	0
5/2/2017 22:30	1.616	143.6	75.85	11.64	29.98	0
5/2/2017 22:45	3.349	165.1	20.44	12.07	29.98	0
5/2/2017 23:00	4.822	208.9	10.77	12.05	29.98	0
5/2/2017 23:15	6.242	205.4	6.382	11.95	29.98	0
5/2/2017 23:30	5.717	187.7	15.09	11.97	29.98	0
5/2/2017 23:45	4.691	163.3	5.172	12.04	29.98	0
5/3/2017 0:00	4.418	137.3	11.28	12.08	29.98	0.01
5/3/2017 0:15	5.155	141.8	9.35	12.48	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
5/3/2017 0:30	5.113	150.5	7.809	12.52	29.98	0.01
5/3/2017 0:45	5.027	142.4	6.749	12.47	29.98	0
5/3/2017 1:00	5.242	136.4	6.26	12.57	29.96	0.01
5/3/2017 1:15	4.744	148.5	10.75	12.68	29.96	0
5/3/2017 1:30	5.728	148.6	9.92	12.6	29.96	0.01
5/3/2017 1:45	5.696	146.4	8.62	12.66	29.96	0
5/3/2017 2:00	5.726	142.7	11.58	12.65	29.95	0.01
5/3/2017 2:15	6.707	156.5	9.51	12.69	29.95	0.03
5/3/2017 2:30	6.532	163.4	12.67	12.54	29.95	0.01
5/3/2017 2:45	6.511	145.7	10.74	12.54	29.95	0.03
5/3/2017 3:00	4.723	159.9	18.7	12.37	29.98	0.02
5/3/2017 3:15	6	161.2	10.37	12.32	29.98	0.01
5/3/2017 3:30	5.9	141.3	7.506	12.33	29.98	0
5/3/2017 3:45	6.11	151.4	9.14	12.4	29.98	0.01
5/3/2017 4:00	6.667	159.4	6.952	12.36	29.98	0.01
5/3/2017 4:15	6.81	149.1	6.958	12.22	29.98	0
5/3/2017 4:30	7.228	146.4	9.47	12.17	29.98	0.01
5/3/2017 4:45	6.829	148.8	9.64	12.09	29.98	0
5/3/2017 5:00	6.854	154.4	8.1	12.04	29.98	0
5/3/2017 5:15	6.529	155.2	15.29	12.06	29.98	0.01
5/3/2017 5:30	4.8	155.9	18.05	12.16	29.98	0
5/3/2017 5:45	5.144	136.2	13.05	12.3	29.98	0
5/3/2017 6:00	4.677	141.7	15.96	12.38	30	0
5/3/2017 6:15	5.179	142.2	8.15	12.54	30	0
5/3/2017 6:30	3.883	150.9	12.51	12.63	30	0.01
5/3/2017 6:45	3.886	156.6	15.46	12.68	30	0.01
5/3/2017 7:00	5.378	134.4	7.045	12.85	30	0
5/3/2017 7:15	4.944	143.2	10.5	12.95	30	0
5/3/2017 7:30	6.108	143.4	7.705	12.91	30	0.01
5/3/2017 7:45	5.941	144	7.839	12.95	30	0.01
5/3/2017 8:00	6.648	132.7	9.15	13.14	30.01	0
5/3/2017 8:15	5.717	134.4	11.94	13.37	30.01	0
5/3/2017 8:30	5.442	145.9	7.759	13.52	30.01	0
5/3/2017 8:45	5.631	146.2	10.03	13.65	30.01	0
5/3/2017 9:00	5.98	151.2	10.45	13.95	30.02	0
5/3/2017 9:15	5.514	141.8	12.27	14.35	30.02	0
5/3/2017 9:30	6	123.3	10.93	14.87	30.02	0
5/3/2017 9:45	4.81	123.3	13.08	15.34	30.02	0
5/3/2017 10:00	4.752	118.7	18.83	15.94	30.02	0
5/3/2017 10:15	4.35	143.8	28.85	16.42	30.02	0
5/3/2017 10:30	3.593	135.1	35.49	16.87	30.02	0
5/3/2017 10:45	2.502	64.48	31.67	17.33	30.02	0
5/3/2017 11:00	2.247	120.2	15.68	18.08	30.01	0
5/3/2017 11:15	2.268	120.8	31.48	18.42	30.01	0
5/3/2017 11:30	2.554	184.4	75.44	18.76	30.01	0
5/3/2017 11:45	1.507	77.65	45.32	18.65	30.01	0
5/3/2017 12:00	1.593	346.9	43.15	19.47	29.99	0
5/3/2017 12:15	2.348	13.72	34.47	19.63	29.99	0
5/3/2017 12:30	3.668	327.4	25.21	20.22	29.99	0
5/3/2017 12:45	4.623	306.1	19.64	20.52	29.99	0
5/3/2017 13:00	5.809	353.1	15.16	20.44	29.96	0
5/3/2017 13:15	4.801	321.1	55.84	20.95	29.96	0
5/3/2017 13:30	3.911	247.6	38.63	21.44	29.96	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
5/3/2017 13:45	3.743	304.7	34.13	21.46	29.96	0
5/3/2017 14:00	3.077	338.4	17.03	21.68	29.93	0
5/3/2017 14:15	4.198	313	10.57	22.09	29.93	0
5/3/2017 14:30	2.93	281.1	38.52	22.25	29.93	0
5/3/2017 14:45	4.106	325.2	36.21	22.6	29.93	0
5/3/2017 15:00	4.554	338.1	28.12	22.47	29.91	0
5/3/2017 15:15	3.815	350.1	22.85	22.79	29.91	0
5/3/2017 15:30	5.634	308.6	21.42	23.36	29.91	0
5/3/2017 15:45	5.528	298.2	12.79	23.07	29.91	0
5/3/2017 16:00	5.608	285.8	9.48	23.2	29.88	0
5/3/2017 16:15	4.345	276.4	15.71	23.34	29.88	0
5/3/2017 16:30	4.864	305.1	13.23	23.59	29.88	0
5/3/2017 16:45	5.512	306.7	13.48	23.43	29.88	0
5/3/2017 17:00	5.364	310.9	11.18	23.41	29.86	0
5/3/2017 17:15	6.178	311.3	6.286	23.32	29.86	0
5/3/2017 17:30	5.552	325.3	10.24	22.91	29.86	0
5/3/2017 17:45	5.183	338.1	16.36	22.76	29.86	0
5/3/2017 18:00	5.646	335.7	13.31	22.23	29.83	0
5/3/2017 18:15	5.503	339.2	17.95	21.78	29.83	0
5/3/2017 18:30	4.55	336.8	11.94	21.51	29.83	0
5/3/2017 18:45	4.312	336.5	11.37	21.64	29.83	0
5/3/2017 19:00	5.386	332.3	18	21.23	29.81	0
5/3/2017 19:15	5.296	322.9	21.2	20.8	29.81	0
5/3/2017 19:30	4.371	325.4	14.44	20.47	29.81	0
5/3/2017 19:45	3.969	333	13.21	20.04	29.81	0
5/3/2017 20:00	4.556	21.47	14.22	19.16	29.8	0
5/3/2017 20:15	7.104	32.71	7.975	18.1	29.8	0
5/3/2017 20:30	5.937	29.99	6.888	17.35	29.8	0
5/3/2017 20:45	5.849	28.27	6.242	17.18	29.8	0
5/3/2017 21:00	5.518	38.3	4.989	16.92	29.79	0
5/3/2017 21:15	7.75	36.03	7.945	16.6	29.79	0
5/3/2017 21:30	6.831	46.55	8.95	16.11	29.79	0
5/3/2017 21:45	5.79	43.54	8.07	15.61	29.79	0
5/3/2017 22:00	6.132	30.59	7.663	15.4	29.77	0
5/3/2017 22:15	4.881	32.18	9.39	15.29	29.77	0
5/3/2017 22:30	2.55	30.08	9.82	14.81	29.77	0
5/3/2017 22:45	2.799	43.15	20.35	14.55	29.77	0
5/3/2017 23:00	6.367	39.14	6.684	14.03	29.76	0
5/3/2017 23:15	6.439	27.68	8.38	13.77	29.76	0
5/3/2017 23:30	5.768	36.9	7.48	13.62	29.76	0
5/3/2017 23:45	6.306	37.18	7.296	13.43	29.76	0
5/4/2017 0:00	5.691	27.58	7.932	13.4	29.74	0
5/4/2017 0:15	5.16	24.55	6.628	13.31	29.74	0
5/4/2017 0:30	4.889	25.24	6.204	13.11	29.74	0
5/4/2017 0:45	3.501	329.6	42.38	13.07	29.74	0
5/4/2017 1:00	4.05	286.4	23.06	12.11	29.71	0
5/4/2017 1:15	4.603	319.6	5.653	12.01	29.71	0
5/4/2017 1:30	2.154	354.2	18.41	12.11	29.71	0
5/4/2017 1:45	3.429	10.36	6.7	12.24	29.71	0
5/4/2017 2:00	3.704	342.7	74.7	12.01	29.71	0
5/4/2017 2:15	4.203	260.6	18.48	11.69	29.71	0
5/4/2017 2:30	2.789	322.2	15.84	11.51	29.71	0
5/4/2017 2:45	2.922	359.8	7.07	11.43	29.71	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
5/4/2017 3:00	3.022	26.93	13.64	11.71	29.71	0
5/4/2017 3:15	5.46	45.78	9.2	11.81	29.71	0
5/4/2017 3:30	6.113	33.97	6.81	11.76	29.71	0
5/4/2017 3:45	4.931	51.29	10.1	11.79	29.71	0
5/4/2017 4:00	2.834	36.39	6.508	11.74	29.69	0
5/4/2017 4:15	3.437	25.12	4.688	11.61	29.69	0
5/4/2017 4:30	2.962	37.14	4.994	11.5	29.69	0
5/4/2017 4:45	4.188	46.69	7.172	11.55	29.69	0
5/4/2017 5:00	1.077	45.1	0.733	11.57	29.68	0
5/4/2017 5:15	0.817	339.7	22.55	11.29	29.68	0
5/4/2017 5:30	1.809	296.3	6.306	11.01	29.68	0
5/4/2017 5:45	2.555	286	3.183	10.97	29.68	0
5/4/2017 6:00	3.316	285.1	8.53	11.21	29.68	0
5/4/2017 6:15	2.044	265.5	12.58	11.47	29.68	0
5/4/2017 6:30	3.152	270.4	11.43	11.59	29.68	0
5/4/2017 6:45	2.294	256	17.63	11.69	29.68	0
5/4/2017 7:00	2.124	293	9.1	11.77	29.69	0
5/4/2017 7:15	1.797	299.3	6.93	11.92	29.69	0
5/4/2017 7:30	1.66	288.1	21.04	12.18	29.69	0
5/4/2017 7:45	1.332	330.5	41.14	12.27	29.69	0
5/4/2017 8:00	1.443	355.8	17.23	12.54	29.7	0
5/4/2017 8:15	0.437	8.25	9.65	13.19	29.7	0
5/4/2017 8:30	1.034	274.7	44.97	13.36	29.7	0
5/4/2017 8:45	1.29	278.4	16.75	13.85	29.7	0
5/4/2017 9:00	0.906	275.3	32.12	14.24	29.69	0
5/4/2017 9:15	2.006	311.1	25.4	14.67	29.69	0
5/4/2017 9:30	2.503	300.6	20.83	15.06	29.69	0
5/4/2017 9:45	2.792	283.6	13.36	15.93	29.69	0
5/4/2017 10:00	2.188	288.9	28.73	16.74	29.67	0
5/4/2017 10:15	2.335	286.4	30.31	17.37	29.67	0
5/4/2017 10:30	2.519	284	23.25	18.15	29.67	0
5/4/2017 10:45	2.338	304.8	15.29	19.25	29.67	0
5/4/2017 11:00	3.3	284	22.01	19.82	29.64	0
5/4/2017 11:15	4.198	281.4	16.77	20.49	29.64	0
5/4/2017 11:30	4.384	284.8	20.39	20.97	29.64	0
5/4/2017 11:45	5.14	282.7	13.15	21.49	29.64	0
5/4/2017 12:00	7.956	274.3	9.22	21.99	29.61	0
5/4/2017 12:15	7.044	269.7	12.95	22.23	29.61	0
5/4/2017 12:30	5.39	281.7	23.7	22.98	29.61	0
5/4/2017 12:45	5.837	282.2	14.72	23.38	29.61	0
5/4/2017 13:00	5.289	290.3	18.24	23.96	29.57	0
5/4/2017 13:15	5.292	295.7	17.68	24.44	29.57	0
5/4/2017 13:30	6.041	292.8	13.57	24.77	29.57	0
5/4/2017 13:45	6.088	284.3	15.05	25.02	29.57	0
5/4/2017 14:00	6.857	282.2	16.79	25.52	29.51	0
5/4/2017 14:15	8.11	333.2	34.69	25.62	29.51	0
5/4/2017 14:30	5.453	352.9	19.09	25.18	29.51	0
5/4/2017 14:45	8.33	344.8	18.83	24.63	29.51	0
5/4/2017 15:00	12.38	276.3	44.58	23.74	29.51	0
5/4/2017 15:15	15.08	266.1	27.9	21.6	29.51	0
5/4/2017 15:30	7.845	11.67	20.97	20.7	29.51	0.01
5/4/2017 15:45	8.42	258.1	30.09	20.58	29.51	0
5/4/2017 16:00	12	218.2	16.75	19.85	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
5/4/2017 16:15	9.82	274.1	25.49	19.04	29.54	0
5/4/2017 16:30	9.44	236.2	49.15	18.18	29.54	0.02
5/4/2017 16:45	9.75	219.3	96.8	17.15	29.54	0.22
5/4/2017 17:00	4.192	174.5	47.02	17.1	29.54	0.01
5/4/2017 17:15	4.153	42.38	81.8	16.91	29.54	0
5/4/2017 17:30	2.935	323.4	54.26	17.21	29.54	0
5/4/2017 17:45	9.68	57.66	12.82	16.98	29.54	0
5/4/2017 18:00	9.84	59.92	18.07	16.66	29.5	0
5/4/2017 18:15	10.84	138.6	35.72	17.15	29.5	0.12
5/4/2017 18:30	8.17	40.27	24.74	16.94	29.5	0.01
5/4/2017 18:45	6.776	36.38	9.73	16.64	29.5	0
5/4/2017 19:00	3.825	30.19	7.643	16.7	29.44	0
5/4/2017 19:15	4.946	106.1	14.39	16.74	29.44	0
5/4/2017 19:30	4.261	188.6	64.74	17.06	29.44	0
5/4/2017 19:45	3.723	243.9	8.64	16.84	29.44	0
5/4/2017 20:00	2.773	272.6	20.62	16.89	29.43	0
5/4/2017 20:15	5.601	311.7	19.73	16.36	29.43	0
5/4/2017 20:30	9.36	275.4	11.25	16.71	29.43	0
5/4/2017 20:45	15.09	275.3	21.24	16.35	29.43	0.01
5/4/2017 21:00	9.87	330.3	18.89	16.16	29.43	0.02
5/4/2017 21:15	6.145	356.4	57.44	15.9	29.43	0
5/4/2017 21:30	4.658	100.8	9.63	15.78	29.43	0
5/4/2017 21:45	4.209	88.6	26.12	15.68	29.43	0
5/4/2017 22:00	3.906	118.9	27.52	15.71	29.41	0
5/4/2017 22:15	4.539	251.2	26.07	15.71	29.41	0
5/4/2017 22:30	4.452	225.6	16.34	15.73	29.41	0
5/4/2017 22:45	5.285	238.9	14.97	15.82	29.41	0
5/4/2017 23:00	5.757	268.6	7.457	15.74	29.4	0
5/4/2017 23:15	4.303	269.4	6.744	15.78	29.4	0
5/4/2017 23:30	0.841	307.4	16.21	15.72	29.4	0
5/4/2017 23:45	0.435	329.4	0.045	15.67	29.4	0
5/5/2017 0:00	2.168	322.9	11.66	15.76	29.39	0
5/5/2017 0:15	1.397	179.3	62.97	15.66	29.39	0
5/5/2017 0:30	7.551	254.4	9.94	15.5	29.39	0
5/5/2017 0:45	9.34	233.7	9.54	15.36	29.39	0.01
5/5/2017 1:00	10.28	229.7	8.34	14.95	29.4	0
5/5/2017 1:15	10.45	259.5	7.087	14.3	29.4	0.04
5/5/2017 1:30	12.53	248.2	6.508	13.9	29.4	0.13
5/5/2017 1:45	8.87	233.4	45.57	13.65	29.4	0.04
5/5/2017 2:00	10.44	225.3	9.64	13.42	29.42	0.07
5/5/2017 2:15	10.54	241.3	17.43	12.95	29.42	0.05
5/5/2017 2:30	8.82	225	12.15	12.62	29.42	0.03
5/5/2017 2:45	9.17	218.5	13.28	12.46	29.42	0.02
5/5/2017 3:00	10.53	218.5	16.66	12.04	29.45	0.02
5/5/2017 3:15	6.088	188.6	13.32	11.79	29.45	0.02
5/5/2017 3:30	8.68	210.9	10.87	11.69	29.45	0
5/5/2017 3:45	10.51	217.3	11.69	11.56	29.45	0.05
5/5/2017 4:00	8.6	220.7	12.77	11.47	29.48	0.09
5/5/2017 4:15	9.14	187	7.559	11.45	29.48	0
5/5/2017 4:30	11.54	186.8	8.81	11.42	29.48	0
5/5/2017 4:45	9.12	175.2	9.34	11.31	29.48	0.01
5/5/2017 5:00	7.857	159.1	10.27	11.17	29.51	0
5/5/2017 5:15	7.013	152.1	9.03	11.14	29.51	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
5/5/2017 5:30	8.29	157.6	7.104	11.15	29.51	0
5/5/2017 5:45	8.52	158.4	12.58	11.22	29.51	0
5/5/2017 6:00	8.17	184.1	13.85	11.34	29.54	0
5/5/2017 6:15	7.593	197.7	10.66	11.31	29.54	0
5/5/2017 6:30	7.614	190.7	7.907	11.35	29.54	0
5/5/2017 6:45	7.943	187.6	12.42	11.46	29.54	0
5/5/2017 7:00	7.344	172.8	12.74	11.55	29.56	0
5/5/2017 7:15	6.853	181.6	12.14	12.06	29.56	0
5/5/2017 7:30	6.58	189.6	11.26	12.57	29.56	0
5/5/2017 7:45	8.1	198	16.97	13.12	29.56	0
5/5/2017 8:00	10.07	216.5	9.9	13.26	29.56	0
5/5/2017 8:15	13.14	219.9	10.5	13.67	29.56	0
5/5/2017 8:30	14.51	226.1	7.98	13.41	29.56	0
5/5/2017 8:45	14.96	222.6	10.4	13.21	29.56	0
5/5/2017 9:00	16.05	227	9.22	12.46	29.58	0
5/5/2017 9:15	13.39	221.1	10.74	11.69	29.58	0
5/5/2017 9:30	9.13	201.6	8.17	11.74	29.58	0.01
5/5/2017 9:45	9.17	202.1	11.61	11.81	29.58	0
5/5/2017 10:00	8.43	194.9	12.53	11.79	29.59	0
5/5/2017 10:15	9.01	187.9	14.53	11.7	29.59	0.01
5/5/2017 10:30	9.35	239.7	15.37	11.37	29.59	0.03
5/5/2017 10:45	7.946	225.7	10.29	11.25	29.59	0.01
5/5/2017 11:00	5.141	212.7	13.8	11.63	29.62	0
5/5/2017 11:15	7.965	192.6	32.48	11.62	29.62	0.02
5/5/2017 11:30	13.58	244.9	14.78	10.54	29.62	0.03
5/5/2017 11:45	10.34	228.4	10.2	10.52	29.62	0.01
5/5/2017 12:00	9.51	227.2	10.01	10.87	29.64	0
5/5/2017 12:15	8.94	216.1	10.37	11.09	29.64	0
5/5/2017 12:30	6.398	192.1	14.43	11.2	29.64	0
5/5/2017 12:45	7.277	189	7.256	11.31	29.64	0
5/5/2017 13:00	7.33	224.3	24.92	11.64	29.68	0
5/5/2017 13:15	11.14	239	8.03	11.85	29.68	0
5/5/2017 13:30	13.7	243.9	11.28	11.35	29.68	0.01
5/5/2017 13:45	13.24	221.5	9.94	11.73	29.68	0
5/5/2017 14:00	9.6	196.9	12.1	11.87	29.72	0
5/5/2017 14:15	9.94	198.9	9.09	12.04	29.72	0
5/5/2017 14:30	13.48	212.3	13.1	12.51	29.72	0
5/5/2017 14:45	13.14	237.5	14.18	12	29.72	0
5/5/2017 15:00	14.26	239.6	9.95	12.02	29.73	0
5/5/2017 15:15	15.48	234.2	10.85	12.04	29.73	0
5/5/2017 15:30	13.79	215.4	8.48	12.19	29.73	0
5/5/2017 15:45	10.1	200.3	14.11	12.17	29.73	0
5/5/2017 16:00	8.41	183.3	14.45	12	29.74	0
5/5/2017 16:15	6.923	184.9	30.13	12.55	29.74	0
5/5/2017 16:30	10.25	178.1	26.51	11.66	29.74	0
5/5/2017 16:45	8.67	207.3	12.45	11.49	29.74	0
5/5/2017 17:00	11.14	207.7	13.64	11.84	29.75	0
5/5/2017 17:15	7.233	174.7	26.26	11.55	29.75	0
5/5/2017 17:30	8.88	164.1	12.04	11.17	29.75	0
5/5/2017 17:45	6.582	187.5	21.58	11.67	29.75	0
5/5/2017 18:00	10.82	236.7	16.65	12.03	29.76	0
5/5/2017 18:15	11.03	257.3	10.09	11.47	29.76	0
5/5/2017 18:30	11.48	255.1	7.991	11.36	29.76	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
5/5/2017 18:45	12.06	250.6	10.61	11.18	29.76	0
5/5/2017 19:00	10.51	238.2	9.98	10.8	29.75	0
5/5/2017 19:15	11.79	247.6	8.87	10.38	29.75	0
5/5/2017 19:30	11.99	242	8.26	10.08	29.75	0
5/5/2017 19:45	10.98	248.1	7.165	9.74	29.75	0
5/5/2017 20:00	10.29	234.7	9.33	9.56	29.78	0
5/5/2017 20:15	7.165	212.3	5.833	9.06	29.78	0
5/5/2017 20:30	5.479	217.8	7.747	8.84	29.78	0
5/5/2017 20:45	8.29	225.4	8.08	8.75	29.78	0
5/5/2017 21:00	9.03	235.9	5.135	8.63	29.8	0
5/5/2017 21:15	6.243	242	6.568	8.25	29.8	0
5/5/2017 21:30	4.424	241.1	20.39	8.28	29.8	0
5/5/2017 21:45	1.163	327.2	17.96	8.08	29.8	0
5/5/2017 22:00	0.754	295.3	13.24	7.809	29.81	0
5/5/2017 22:15	1.564	102.3	55.23	7.532	29.81	0
5/5/2017 22:30	2.355	76.46	52.01	7.157	29.81	0
5/5/2017 22:45	1.908	134.4	56.41	7.262	29.81	0
5/5/2017 23:00	1.288	150	37.79	7.505	29.82	0
5/5/2017 23:15	0.626	116	25.24	7.283	29.82	0
5/5/2017 23:30	3.691	183.1	11.31	7.296	29.82	0
5/5/2017 23:45	1.849	160.2	13.42	7.06	29.82	0
5/6/2017 0:00	2.386	127.3	12.28	6.775	29.84	0
5/6/2017 0:15	2.772	97.1	16.88	6.548	29.84	0
5/6/2017 0:30	4.23	57.94	14.16	6.335	29.84	0
5/6/2017 0:45	5.77	57.07	19.86	6.226	29.84	0
5/6/2017 1:00	5.026	51.87	21.67	5.849	29.85	0
5/6/2017 1:15	6.55	34.83	11.49	5.727	29.85	0
5/6/2017 1:30	4.942	42.2	17	5.453	29.85	0
5/6/2017 1:45	5.738	41.46	16.82	5.015	29.85	0.02
5/6/2017 2:00	8.88	29.39	9.11	4.685	29.85	0.02
5/6/2017 2:15	8.1	27.89	7.851	4.655	29.85	0
5/6/2017 2:30	5.777	37.09	7.415	4.465	29.85	0
5/6/2017 2:45	6.519	29.79	7.214	4.405	29.85	0.03
5/6/2017 3:00	6.357	38.74	14.73	4.376	29.87	0.02
5/6/2017 3:15	3.808	47.16	17.87	4.248	29.87	0.03
5/6/2017 3:30	2.758	51.75	17.17	4.184	29.87	0.01
5/6/2017 3:45	1.165	55.58	0.451	4.229	29.87	0.01
5/6/2017 4:00	1.816	105.2	11.62	4.237	29.88	0.02
5/6/2017 4:15	4.269	95.5	14.22	4.322	29.88	0.01
5/6/2017 4:30	4.004	163.9	34.14	4.333	29.88	0.01
5/6/2017 4:45	4.166	192.1	10.02	4.313	29.88	0
5/6/2017 5:00	5.152	161.3	9.11	4.265	29.88	0
5/6/2017 5:15	4.482	150.3	9.77	4.214	29.88	0
5/6/2017 5:30	3.284	154.5	7.88	4.246	29.88	0
5/6/2017 5:45	2.433	162	5.849	4.412	29.88	0
5/6/2017 6:00	3.314	161.5	13.87	4.904	29.89	0
5/6/2017 6:15	2.356	153.6	14.56	4.98	29.89	0
5/6/2017 6:30	1.864	150.9	17.78	5.167	29.89	0
5/6/2017 6:45	2.254	187.4	12.2	5.534	29.89	0
5/6/2017 7:00	3.976	220.9	9.88	5.832	29.9	0
5/6/2017 7:15	3.226	209	8.71	6.028	29.9	0
5/6/2017 7:30	2.883	212.6	12.98	6.438	29.9	0
5/6/2017 7:45	1.975	211.9	22.91	6.821	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
5/6/2017 8:00	3.097	257.6	19.15	6.914	29.92	0
5/6/2017 8:15	3.166	273.2	16.61	6.959	29.92	0
5/6/2017 8:30	2.317	322.9	38.82	7.271	29.92	0
5/6/2017 8:45	2.975	72.04	21.05	7.471	29.92	0
5/6/2017 9:00	4.47	36.75	26.39	8.32	29.93	0
5/6/2017 9:15	5.208	298.5	43.4	8.03	29.93	0
5/6/2017 9:30	5.999	272.9	16.36	7.973	29.93	0.01
5/6/2017 9:45	8.03	297.1	12.1	6.965	29.93	0.01
5/6/2017 10:00	2.938	337.3	16.05	7.371	29.92	0
5/6/2017 10:15	3.386	319.1	19.07	8.7	29.92	0
5/6/2017 10:30	3.705	3.615	27.93	8.78	29.92	0
5/6/2017 10:45	3	333.2	29.08	8.91	29.92	0
5/6/2017 11:00	3.4	338.9	40.12	9.53	29.93	0
5/6/2017 11:15	5.642	312.3	21.23	9.77	29.93	0
5/6/2017 11:30	3.252	303	20.6	10.47	29.93	0
5/6/2017 11:45	6.328	342.4	17.08	10	29.93	0
5/6/2017 12:00	4.547	318.5	15.52	10.38	29.91	0
5/6/2017 12:15	6.822	310.6	18.85	11.57	29.91	0
5/6/2017 12:30	7.441	333.9	24.24	10.85	29.91	0
5/6/2017 12:45	5.818	351.8	18.8	10.85	29.91	0
5/6/2017 13:00	5.846	324.7	11.31	11.02	29.9	0
5/6/2017 13:15	4.512	341.8	46.7	11.79	29.9	0
5/6/2017 13:30	4.69	299.7	34.11	12.33	29.9	0
5/6/2017 13:45	7.691	16.94	11.24	11.67	29.9	0
5/6/2017 14:00	6.862	0.475	16.39	11.57	29.89	0
5/6/2017 14:15	4.168	339.4	41.59	12.12	29.89	0
5/6/2017 14:30	6.616	0.194	30.9	12.8	29.89	0
5/6/2017 14:45	9.66	351.3	14.75	12.05	29.89	0
5/6/2017 15:00	7.205	357.3	19.12	11.67	29.88	0
5/6/2017 15:15	7.922	327.8	27.88	12.23	29.88	0
5/6/2017 15:30	8.32	0.165	17.22	11.98	29.88	0
5/6/2017 15:45	8.08	348.8	13.57	11.93	29.88	0
5/6/2017 16:00	7.853	357.5	15.5	11.58	29.88	0
5/6/2017 16:15	8.02	4.997	13.29	11.35	29.88	0
5/6/2017 16:30	7.821	359.2	15.73	11.47	29.88	0
5/6/2017 16:45	8.63	357.9	14.65	11.56	29.88	0
5/6/2017 17:00	8.03	359.4	15.9	11.54	29.86	0
5/6/2017 17:15	9.15	7.087	13.18	11.85	29.86	0
5/6/2017 17:30	9.46	2.457	17.14	12.14	29.86	0
5/6/2017 17:45	10.13	358.9	23.19	11.91	29.86	0
5/6/2017 18:00	10.78	356.7	16.58	11.76	29.87	0
5/6/2017 18:15	11.08	353.7	17.36	11.54	29.87	0
5/6/2017 18:30	11.14	342.4	9.19	11.34	29.87	0
5/6/2017 18:45	10.93	344.8	8.79	10.84	29.87	0
5/6/2017 19:00	9.08	349.4	12.62	10.09	29.88	0
5/6/2017 19:15	6.429	350.2	12.91	9.56	29.88	0
5/6/2017 19:30	5.384	326.5	12.06	9.01	29.88	0
5/6/2017 19:45	5.714	313	3.758	8.73	29.88	0
5/6/2017 20:00	6.2	315.4	10.49	8.37	29.9	0
5/6/2017 20:15	4.71	347.4	13.52	8.62	29.9	0
5/6/2017 20:30	4.213	349.2	16.79	8.38	29.9	0
5/6/2017 20:45	2.753	13.5	15.07	7.97	29.9	0
5/6/2017 21:00	5.453	23.4	6.868	7.41	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
5/6/2017 21:15	5.461	50.16	19.71	7.078	29.92	0
5/6/2017 21:30	6.56	57.56	9.67	7.422	29.92	0
5/6/2017 21:45	5.357	49.26	14.54	7.723	29.92	0
5/6/2017 22:00	2.618	18.86	22.81	7.361	29.94	0
5/6/2017 22:15	1.642	350.4	42.78	7.34	29.94	0
5/6/2017 22:30	2.863	60.38	47.52	6.973	29.94	0
5/6/2017 22:45	4.67	46.16	21.22	6.81	29.94	0
5/6/2017 23:00	2.308	54.18	32.26	6.725	29.94	0
5/6/2017 23:15	2.903	49.41	25.81	6.684	29.94	0
5/6/2017 23:30	5.421	22.15	17.48	6.66	29.94	0
5/6/2017 23:45	5.043	27.36	17.12	6.653	29.94	0
5/7/2017 0:00	2.5	20.07	22.87	6.776	29.97	0
5/7/2017 0:15	2.339	46.68	41.79	6.57	29.97	0
5/7/2017 0:30	3.576	50.45	16.39	6.394	29.97	0
5/7/2017 0:45	2.908	51.73	13.89	6.29	29.97	0
5/7/2017 1:00	3.036	51.1	18.48	6.304	29.98	0
5/7/2017 1:15	1.21	36	22.21	6.448	29.98	0
5/7/2017 1:30	1.23	15.57	44.88	6.52	29.98	0
5/7/2017 1:45	0.357	36.16	38.77	6.651	29.98	0
5/7/2017 2:00	2.131	344.6	54.3	6.749	29.97	0
5/7/2017 2:15	2.457	12.9	30.85	6.714	29.97	0
5/7/2017 2:30	1.024	336.1	39.3	6.608	29.97	0
5/7/2017 2:45	2.167	335.4	24.98	6.665	29.97	0
5/7/2017 3:00	2.427	341.1	23.53	6.575	29.99	0
5/7/2017 3:15	0.47	345.7	16.39	6.537	29.99	0
5/7/2017 3:30	2.133	17.73	20.85	6.841	29.99	0
5/7/2017 3:45	1.237	314.2	29.47	6.925	29.99	0
5/7/2017 4:00	0.642	16.31	6.763	6.862	30	0
5/7/2017 4:15	1.825	321.9	16.71	7.012	30	0
5/7/2017 4:30	3.285	0.118	15.45	6.892	30	0
5/7/2017 4:45	5.919	17.98	17.9	6.705	30	0
5/7/2017 5:00	5.771	30.09	8.59	6.515	30.02	0
5/7/2017 5:15	4.73	21.77	9.7	6.443	30.02	0
5/7/2017 5:30	4.197	27.65	9.85	6.423	30.02	0
5/7/2017 5:45	3.949	29.62	18.24	6.34	30.02	0
5/7/2017 6:00	4.074	17.31	15.29	6.455	30.04	0
5/7/2017 6:15	5.267	14.54	12.96	6.553	30.04	0
5/7/2017 6:30	6.875	23.88	6.903	6.642	30.04	0
5/7/2017 6:45	5.36	17.36	12.41	6.87	30.04	0
5/7/2017 7:00	4.939	29.87	12.96	6.964	30.05	0
5/7/2017 7:15	5.471	34.29	6.626	6.995	30.05	0
5/7/2017 7:30	4.233	29.42	11.75	7.18	30.05	0
5/7/2017 7:45	5.39	28.13	12.18	7.463	30.05	0
5/7/2017 8:00	4.524	18.06	15.98	7.753	30.06	0
5/7/2017 8:15	3.608	14.58	27.36	7.993	30.06	0
5/7/2017 8:30	3.853	5.951	19.73	8.2	30.06	0
5/7/2017 8:45	5.743	43.56	12.12	8.52	30.06	0
5/7/2017 9:00	5.703	10.49	26.17	8.8	30.06	0
5/7/2017 9:15	6.536	312.6	17.07	8.63	30.06	0
5/7/2017 9:30	3.008	302	30.07	9.76	30.06	0
5/7/2017 9:45	5.594	16.73	16.36	10.07	30.06	0
5/7/2017 10:00	6.09	22.29	20.11	10.08	30.05	0
5/7/2017 10:15	7.264	55.41	19.14	10.6	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
5/7/2017 10:30	8.96	31.44	18.37	11.06	30.05	0
5/7/2017 10:45	8.08	38.8	23.3	11.33	30.05	0
5/7/2017 11:00	8.1	356.3	20.44	11.17	30.03	0
5/7/2017 11:15	6.857	342.6	33.29	11.68	30.03	0
5/7/2017 11:30	8.03	0.484	29.55	11.7	30.03	0
5/7/2017 11:45	8.77	13.55	29.38	11.88	30.03	0
5/7/2017 12:00	6.783	345.2	28.63	11.83	30.01	0
5/7/2017 12:15	7.196	354.6	28	12.11	30.01	0
5/7/2017 12:30	9.41	337.9	17.35	12.63	30.01	0
5/7/2017 12:45	7.668	338.9	18.89	13.24	30.01	0
5/7/2017 13:00	9.51	325.5	29.67	13.38	30.01	0
5/7/2017 13:15	8.4	333.7	23.54	13.61	30.01	0
5/7/2017 13:30	8.61	319.1	16.5	14.07	30.01	0
5/7/2017 13:45	9.67	321.2	14.54	14.42	30.01	0
5/7/2017 14:00	6.604	350.5	32.83	14.52	30	0
5/7/2017 14:15	6.013	344.4	33.54	14.61	30	0
5/7/2017 14:30	6.757	357.8	41.94	14.76	30	0
5/7/2017 14:45	7.143	322	30.22	15.06	30	0
5/7/2017 15:00	5.634	0.46	35.47	15.09	29.99	0
5/7/2017 15:15	8.26	317.6	15.05	15.43	29.99	0
5/7/2017 15:30	8.57	326.4	29.15	15.46	29.99	0
5/7/2017 15:45	11.1	326.8	13.44	15.31	29.99	0
5/7/2017 16:00	7.058	350.2	21.05	15.3	29.99	0
5/7/2017 16:15	7.855	329.7	20.11	15.37	29.99	0
5/7/2017 16:30	6.109	323.4	33.97	15.47	29.99	0
5/7/2017 16:45	6.996	354.1	23.56	15.24	29.99	0
5/7/2017 17:00	5.684	322	20.23	15.52	29.98	0
5/7/2017 17:15	7.64	307.5	16.87	15.45	29.98	0
5/7/2017 17:30	9.42	316.8	14.01	15.11	29.98	0
5/7/2017 17:45	11.05	312.1	9.46	14.87	29.98	0
5/7/2017 18:00	11.22	309.7	7.579	14.59	29.98	0
5/7/2017 18:15	9.5	312.7	8.48	14.43	29.98	0
5/7/2017 18:30	8.53	325.9	18.62	14.09	29.98	0
5/7/2017 18:45	7.497	348.7	10.22	13.74	29.98	0
5/7/2017 19:00	7.561	352.5	15.57	13.23	29.99	0
5/7/2017 19:15	7.788	351.6	13.99	12.69	29.99	0
5/7/2017 19:30	7.369	344.4	11.8	12.25	29.99	0
5/7/2017 19:45	5.992	324.5	13.97	11.97	29.99	0
5/7/2017 20:00	2.942	313.4	17.09	11.84	29.99	0
5/7/2017 20:15	2.61	276.5	18.35	11.77	29.99	0
5/7/2017 20:30	2.279	91.8	43.93	11.37	29.99	0
5/7/2017 20:45	3.212	64.03	16.5	11.11	29.99	0
5/7/2017 21:00	5.016	48.19	5.589	10.87	29.99	0
5/7/2017 21:15	4.833	34.5	11.52	10.89	29.99	0
5/7/2017 21:30	6.561	35.69	7.739	10.42	29.99	0
5/7/2017 21:45	6.324	34.57	9.61	10.32	29.99	0
5/7/2017 22:00	6.623	25.85	9.55	10.17	29.99	0
5/7/2017 22:15	6.262	40.41	7.513	9.54	29.99	0
5/7/2017 22:30	4.535	51.14	4.834	8.98	29.99	0
5/7/2017 22:45	5.347	56.44	4.896	8.68	29.99	0
5/7/2017 23:00	5.239	45.36	8.6	8.27	29.99	0
5/7/2017 23:15	4.264	35.75	3.278	8.01	29.99	0
5/7/2017 23:30	2.944	37.62	11.34	7.719	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
5/7/2017 23:45	3.05	53.65	15.76	7.56	29.99	0
5/8/2017 0:00	3.144	58.32	12.42	7.052	29.99	0
5/8/2017 0:15	3.614	36.87	6.688	7.051	29.99	0
5/8/2017 0:30	3.496	42.56	6.837	7.021	29.99	0
5/8/2017 0:45	3.227	41.45	6.867	7.214	29.99	0
5/8/2017 1:00	4.311	37.41	7.679	7.016	29.97	0
5/8/2017 1:15	4.95	40.69	8.87	6.398	29.97	0
5/8/2017 1:30	3.44	78.77	16.69	5.911	29.97	0
5/8/2017 1:45	3.037	127.7	14.46	6.51	29.97	0
5/8/2017 2:00	1.113	134.6	0.48	7.523	29.97	0
5/8/2017 2:15	0.613	134.3	0.107	7.45	29.97	0
5/8/2017 2:30	0.339	112	25.85	7.123	29.97	0
5/8/2017 2:45	0.891	32.07	0.145	6.825	29.97	0
5/8/2017 3:00	0.035	2.776	2.741	6.84	29.98	0
5/8/2017 3:15	0.429	325	25.08	6.661	29.98	0
5/8/2017 3:30	1.714	259.9	0.39	6.796	29.98	0
5/8/2017 3:45	0.644	260	0.074	6.721	29.98	0
5/8/2017 4:00	0.831	179.2	7.813	6.302	29.97	0
5/8/2017 4:15	2.229	101.6	16.87	5.62	29.97	0
5/8/2017 4:30	1.561	98.5	1.174	5.817	29.97	0
5/8/2017 4:45	0.673	98.8	0.266	6.569	29.97	0
5/8/2017 5:00	0.593	98.8	0.163	7.042	29.98	0
5/8/2017 5:15	0.662	134.8	27.8	7.074	29.98	0
5/8/2017 5:30	1.337	183.5	1.751	6.767	29.98	0
5/8/2017 5:45	0.328	272.1	21.45	6.557	29.98	0
5/8/2017 6:00	0.927	354	58.27	6.437	29.99	0
5/8/2017 6:15	1.198	76.02	28.87	7.047	29.99	0
5/8/2017 6:30	4.018	159.7	7.916	7.046	29.99	0
5/8/2017 6:45	3.464	151	8.86	7.291	29.99	0
5/8/2017 7:00	3.372	161.2	16.62	7.51	30	0
5/8/2017 7:15	4.706	189.8	19.11	7.665	30	0
5/8/2017 7:30	4.418	154	10.67	8.73	30	0
5/8/2017 7:45	2.928	198.1	36.33	9.16	30	0
5/8/2017 8:00	3.287	227.6	12.51	9.06	30	0
5/8/2017 8:15	4.056	225.1	11.25	9.43	30	0
5/8/2017 8:30	3.03	235.2	18.89	9.87	30	0
5/8/2017 8:45	4.063	267.5	11.17	10.28	30	0
5/8/2017 9:00	2.633	300.5	17.94	10.49	29.98	0
5/8/2017 9:15	2.941	299.5	15.33	10.83	29.98	0
5/8/2017 9:30	3.555	299.8	14.6	11.05	29.98	0
5/8/2017 9:45	3.571	321.7	16.18	11.52	29.98	0
5/8/2017 10:00	2.227	338.3	23.34	12.5	29.99	0
5/8/2017 10:15	4.739	324.7	16.96	12.89	29.99	0
5/8/2017 10:30	3.805	329.2	18.96	13.5	29.99	0
5/8/2017 10:45	6.472	289.2	21.33	14.06	29.99	0
5/8/2017 11:00	8.88	290.6	16.7	14.41	29.97	0
5/8/2017 11:15	7.996	291.8	14.24	13.93	29.97	0
5/8/2017 11:30	6.925	285.7	22.5	14.51	29.97	0
5/8/2017 11:45	7.994	294.7	15.82	14.97	29.97	0
5/8/2017 12:00	10.25	280.7	11.58	14.49	29.95	0
5/8/2017 12:15	10.02	292.5	11.04	14.9	29.95	0
5/8/2017 12:30	9.11	335.5	15.6	15.3	29.95	0
5/8/2017 12:45	10.38	339.7	13.5	15.24	29.95	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
5/8/2017 13:00	9.12	24.45	18.12	14.3	29.95	0
5/8/2017 13:15	9.49	34.07	8.92	13.79	29.95	0
5/8/2017 13:30	7.438	36.77	12.78	14.25	29.95	0
5/8/2017 13:45	7.212	46.53	14.86	14.88	29.95	0
5/8/2017 14:00	6.781	26	23.01	15.38	29.93	0
5/8/2017 14:15	8.76	23.51	22.9	15.79	29.93	0
5/8/2017 14:30	9.18	26.42	12.77	15.99	29.93	0
5/8/2017 14:45	6.663	30.75	28.25	16.5	29.93	0
5/8/2017 15:00	6.543	14.14	17.18	16.77	29.91	0
5/8/2017 15:15	7.009	35.45	17.37	16.79	29.91	0
5/8/2017 15:30	6.414	35.15	23.84	16.86	29.91	0
5/8/2017 15:45	7.95	339.5	27.08	17.71	29.91	0
5/8/2017 16:00	9.77	309.5	14.27	17.71	29.9	0
5/8/2017 16:15	8.13	319.6	23.94	17.92	29.9	0
5/8/2017 16:30	9.91	308.7	16.31	17.84	29.9	0
5/8/2017 16:45	11.49	310.5	11.94	17.38	29.9	0
5/8/2017 17:00	12.01	308.2	9.5	16.92	29.88	0
5/8/2017 17:15	11.42	310.4	8.09	16.39	29.88	0
5/8/2017 17:30	11.02	323.3	8.02	15.85	29.88	0
5/8/2017 17:45	9.98	321.6	9.51	15.55	29.88	0
5/8/2017 18:00	8.61	318.1	7.138	15.41	29.89	0
5/8/2017 18:15	8.82	317.6	7.398	15.13	29.89	0
5/8/2017 18:30	8.22	314	6.905	14.91	29.89	0
5/8/2017 18:45	7.793	307.5	7.524	15.03	29.89	0
5/8/2017 19:00	3.735	331.4	21.54	14.99	29.89	0
5/8/2017 19:15	3.968	324.7	20.32	14.66	29.89	0
5/8/2017 19:30	6.296	28.28	25.06	14.1	29.89	0
5/8/2017 19:45	10.51	27.09	12.45	13.43	29.89	0
5/8/2017 20:00	11.09	16.92	9.65	13.28	29.89	0
5/8/2017 20:15	9.15	19.23	12.4	12.89	29.89	0
5/8/2017 20:30	5.216	42.82	17.33	12.59	29.89	0
5/8/2017 20:45	4.926	48.08	18.89	12.13	29.89	0
5/8/2017 21:00	7.371	53.58	8.57	12.18	29.89	0
5/8/2017 21:15	6.481	58.72	9.02	11.79	29.89	0
5/8/2017 21:30	5.542	49.84	11.56	11.68	29.89	0
5/8/2017 21:45	3.916	62.41	11.68	12.06	29.89	0
5/8/2017 22:00	3.053	58.13	13.83	11.89	29.88	0
5/8/2017 22:15	4.366	45.4	13.19	11.99	29.88	0
5/8/2017 22:30	4.863	47.16	14.07	11.09	29.88	0
5/8/2017 22:45	5.629	44.34	10.2	10.89	29.88	0
5/8/2017 23:00	2.94	31.46	12.08	11.07	29.88	0
5/8/2017 23:15	4.271	27.07	15.48	11.09	29.88	0
5/8/2017 23:30	4.203	42.07	7.352	9.92	29.88	0
5/8/2017 23:45	4.698	30.72	8.24	9.87	29.88	0
5/9/2017 0:00	5.974	35.44	6.607	9.58	29.87	0
5/9/2017 0:15	4.76	27.84	7.487	8.99	29.87	0
5/9/2017 0:30	4.941	23.17	7.838	8.91	29.87	0
5/9/2017 0:45	4.706	34.4	6.184	8.57	29.87	0
5/9/2017 1:00	2.555	40.82	5.746	8.06	29.85	0
5/9/2017 1:15	3.263	30.65	11.02	8.01	29.85	0
5/9/2017 1:30	2.32	0.089	16.04	8.15	29.85	0
5/9/2017 1:45	3.061	27.41	4.784	8.36	29.85	0
5/9/2017 2:00	2.296	38.9	0.911	7.731	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
5/9/2017 2:15	2.516	56.36	7.991	7.831	29.85	0
5/9/2017 2:30	2.597	82.5	11.35	8.26	29.85	0
5/9/2017 2:45	1.151	69.52	1.215	8.5	29.85	0
5/9/2017 3:00	0.359	59.83	12.96	8.16	29.87	0
5/9/2017 3:15	0.666	329.9	0.375	8.05	29.87	0
5/9/2017 3:30	0.67	6.584	12.35	7.567	29.87	0
5/9/2017 3:45	3.363	25.39	6.129	7.861	29.87	0
5/9/2017 4:00	3.23	43.96	11.65	7.035	29.87	0
5/9/2017 4:15	3.669	67.6	10.8	6.415	29.87	0
5/9/2017 4:30	4.414	76.35	5.025	6.677	29.87	0
5/9/2017 4:45	2.514	66.31	18.53	6.876	29.87	0
5/9/2017 5:00	2.45	161.1	11.75	7.075	29.85	0
5/9/2017 5:15	1.208	52.43	6.503	6.936	29.85	0
5/9/2017 5:30	1.277	53.19	0.062	8.06	29.85	0
5/9/2017 5:45	1.176	53.15	0.066	8.94	29.85	0
5/9/2017 6:00	0.118	53.61	0.169	9.12	29.84	0
5/9/2017 6:15	0.17	56.21	1.152	9.15	29.84	0
5/9/2017 6:30	0.543	51.9	23.04	9.33	29.84	0
5/9/2017 6:45	1.326	270.1	18.99	9.35	29.84	0
5/9/2017 7:00	2.508	249	5.936	9.62	29.85	0
5/9/2017 7:15	2.784	232.4	10.37	9.58	29.85	0
5/9/2017 7:30	2.833	223.7	11.02	9.91	29.85	0
5/9/2017 7:45	2.224	248	16.68	10.58	29.85	0
5/9/2017 8:00	2.803	227.4	17.43	11.07	29.85	0
5/9/2017 8:15	3.088	212.9	21.34	11.55	29.85	0
5/9/2017 8:30	2.548	225	18.21	11.96	29.85	0
5/9/2017 8:45	2.401	241.5	36.83	12.56	29.85	0
5/9/2017 9:00	2.523	336.7	14.08	13.29	29.83	0
5/9/2017 9:15	1.946	285.8	52.84	13.42	29.83	0
5/9/2017 9:30	3.798	270.4	16.31	14.22	29.83	0
5/9/2017 9:45	3.521	295.6	38.18	14.73	29.83	0
5/9/2017 10:00	5.545	313	22.8	15.27	29.81	0
5/9/2017 10:15	7.828	272.9	17.17	15.36	29.81	0
5/9/2017 10:30	7.395	284.8	22.29	15.52	29.81	0
5/9/2017 10:45	5.155	327.2	30.69	16.05	29.81	0
5/9/2017 11:00	3.078	300	43.01	16.3	29.79	0
5/9/2017 11:15	3.554	30.64	30.98	16.78	29.79	0
5/9/2017 11:30	6.201	285	31.78	17.28	29.79	0
5/9/2017 11:45	9.69	271.6	23.79	17.61	29.79	0
5/9/2017 12:00	8.67	283.2	21.17	17.6	29.78	0
5/9/2017 12:15	6.416	300	20.82	17.9	29.78	0
5/9/2017 12:30	7.722	287.6	24.04	18.31	29.78	0
5/9/2017 12:45	10.64	286.1	17.59	18.5	29.78	0
5/9/2017 13:00	8.44	293.8	14.37	18.62	29.78	0
5/9/2017 13:15	7.786	285.5	25.01	18.92	29.78	0
5/9/2017 13:30	10.1	261.8	14.42	18.76	29.78	0
5/9/2017 13:45	5.886	287.4	35.03	18.98	29.78	0
5/9/2017 14:00	4.666	285.3	28.15	18.94	29.75	0
5/9/2017 14:15	3.549	264.4	41.58	19.25	29.75	0
5/9/2017 14:30	6.006	257.5	26.91	19.54	29.75	0
5/9/2017 14:45	4.687	268.9	25.92	19.78	29.75	0
5/9/2017 15:00	5.153	295.9	27.91	20.13	29.74	0
5/9/2017 15:15	6.486	280.9	26.45	20.01	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
5/9/2017 15:30	7.979	270.9	19.86	19.94	29.74	0
5/9/2017 15:45	7.129	297	19.64	20.07	29.74	0
5/9/2017 16:00	5.74	287.1	31.16	19.94	29.74	0
5/9/2017 16:15	6.085	270.1	14.13	19.9	29.74	0
5/9/2017 16:30	4.607	274.1	16.75	20.02	29.74	0
5/9/2017 16:45	6.363	274.2	14.18	19.73	29.74	0
5/9/2017 17:00	5.971	275.2	17.81	19.89	29.72	0
5/9/2017 17:15	3.092	268.6	21.87	20.23	29.72	0
5/9/2017 17:30	4.877	260.2	26.14	20.02	29.72	0
5/9/2017 17:45	2.589	308.5	33.39	20.16	29.72	0
5/9/2017 18:00	2.915	5.251	12.65	19.5	29.7	0
5/9/2017 18:15	3.689	29.48	6.555	18.31	29.7	0
5/9/2017 18:30	2.608	28.04	3.917	18.17	29.7	0
5/9/2017 18:45	2.513	26.08	7.638	18.14	29.7	0
5/9/2017 19:00	3.206	9.76	7.584	17.75	29.68	0
5/9/2017 19:15	5.233	25.27	7.735	16.9	29.68	0
5/9/2017 19:30	4.173	357.1	17.84	16.94	29.68	0
5/9/2017 19:45	3.392	357.3	27.01	16.27	29.68	0
5/9/2017 20:00	4.714	16.14	15.62	16.05	29.67	0
5/9/2017 20:15	6.478	25.21	10.54	15.26	29.67	0
5/9/2017 20:30	8.32	23.58	13.84	15.28	29.67	0
5/9/2017 20:45	8.99	21.6	12.17	15.09	29.67	0
5/9/2017 21:00	9.01	25.72	8.42	14.59	29.67	0
5/9/2017 21:15	9.46	28.73	9.04	14.46	29.67	0
5/9/2017 21:30	10.09	35.14	10.57	14.07	29.67	0
5/9/2017 21:45	9.3	36.61	10.33	13.8	29.67	0
5/9/2017 22:00	8.5	44.22	8.56	13.43	29.65	0
5/9/2017 22:15	8.2	39.66	6.607	13.04	29.65	0
5/9/2017 22:30	7.653	36.88	8.89	12.77	29.65	0
5/9/2017 22:45	1.692	31.06	10.05	12.28	29.65	0
5/9/2017 23:00	0.802	24.58	1.712	12.07	29.67	0
5/9/2017 23:15	3.667	58.72	12.18	11.41	29.67	0
5/9/2017 23:30	4.807	70.97	11.29	11.11	29.67	0
5/9/2017 23:45	2.611	91.3	22.83	11.16	29.67	0
5/10/2017 0:00	2.988	107.1	15.16	11.15	29.67	0
5/10/2017 0:15	3.785	109.7	13.66	10.83	29.67	0
5/10/2017 0:30	6.767	144.8	10.65	11.02	29.67	0
5/10/2017 0:45	8.47	154	5.349	11.4	29.67	0
5/10/2017 1:00	7.694	158.6	3.828	11.39	29.66	0
5/10/2017 1:15	6.405	156.2	5.666	11.29	29.66	0
5/10/2017 1:30	5.173	150	5.063	11.28	29.66	0
5/10/2017 1:45	4.583	158.8	4.621	11.29	29.66	0
5/10/2017 2:00	4.121	164.9	10.53	11.09	29.65	0
5/10/2017 2:15	5.459	160.8	4.457	10.98	29.65	0
5/10/2017 2:30	5.056	160.1	2.649	10.89	29.65	0
5/10/2017 2:45	3.813	193.2	23.28	10.98	29.65	0
5/10/2017 3:00	3.957	198.2	11.26	10.47	29.66	0
5/10/2017 3:15	4.833	186.9	5.303	10.5	29.66	0
5/10/2017 3:30	3.921	195.1	7.465	10.2	29.66	0
5/10/2017 3:45	4.508	186.2	9.85	10.02	29.66	0
5/10/2017 4:00	3.194	182.4	7.033	10.06	29.66	0
5/10/2017 4:15	4.442	183.4	11.05	10.1	29.66	0
5/10/2017 4:30	4.011	148.6	12.55	9.68	29.66	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
5/10/2017 4:45	4.476	149.4	9.2	9.56	29.66	0
5/10/2017 5:00	5.074	170.3	9.29	9.64	29.66	0
5/10/2017 5:15	3.388	183.5	10.97	9.64	29.66	0
5/10/2017 5:30	3.797	186.1	11.47	9.77	29.66	0
5/10/2017 5:45	2.468	172.9	17.91	9.89	29.66	0
5/10/2017 6:00	3.084	183.4	10.57	9.98	29.67	0
5/10/2017 6:15	3.15	165.9	15.99	10.01	29.67	0
5/10/2017 6:30	3.555	161.5	5.784	9.96	29.67	0
5/10/2017 6:45	3.254	184.6	13.25	10.18	29.67	0
5/10/2017 7:00	3.478	206	4.607	10.25	29.67	0
5/10/2017 7:15	2.584	191.3	25	10.82	29.67	0
5/10/2017 7:30	3.29	175.4	33.4	11.25	29.67	0
5/10/2017 7:45	3.3	220.4	14.32	11.15	29.67	0
5/10/2017 8:00	3.773	234.2	11.04	11.73	29.65	0
5/10/2017 8:15	3.789	230.1	20.6	12.25	29.65	0
5/10/2017 8:30	3.637	228.9	15.67	12.56	29.65	0
5/10/2017 8:45	3.915	251.3	17.17	13.08	29.65	0
5/10/2017 9:00	4.394	260.4	22.79	13.38	29.64	0
5/10/2017 9:15	2.956	290.9	33.37	13.79	29.64	0
5/10/2017 9:30	2.441	251.7	33.4	14.36	29.64	0
5/10/2017 9:45	1.912	278.9	23.15	14.53	29.64	0
5/10/2017 10:00	2.457	291.3	49.92	15.21	29.63	0
5/10/2017 10:15	2.275	256.5	53.5	15.75	29.63	0
5/10/2017 10:30	4.11	257.4	30.38	16.04	29.63	0
5/10/2017 10:45	5.015	257.9	28.63	16.11	29.63	0
5/10/2017 11:00	3.656	261.3	49.23	16.41	29.6	0
5/10/2017 11:15	3.824	267.9	28.99	17.51	29.6	0
5/10/2017 11:30	6.324	278.5	21.11	17.92	29.6	0
5/10/2017 11:45	9.96	280.6	11.95	18.17	29.6	0
5/10/2017 12:00	8.21	280.8	19.17	18.45	29.59	0
5/10/2017 12:15	8.3	304.4	22.23	18.77	29.59	0
5/10/2017 12:30	6.495	306.8	17.3	18.87	29.59	0
5/10/2017 12:45	7.057	286.4	26.14	19.28	29.59	0
5/10/2017 13:00	6.705	277.8	17.38	19.07	29.58	0
5/10/2017 13:15	6.738	283.4	22.76	19.14	29.58	0
5/10/2017 13:30	8.28	269.1	17.01	19.29	29.58	0
5/10/2017 13:45	7.239	273.8	25.51	19.74	29.58	0
5/10/2017 14:00	7.659	284.9	18.65	19.82	29.57	0
5/10/2017 14:15	6.509	297.6	20.3	20.04	29.57	0
5/10/2017 14:30	5.839	286.1	37.39	20.45	29.57	0
5/10/2017 14:45	8.33	267.4	31.36	20.61	29.57	0
5/10/2017 15:00	10.7	251.7	15.68	20.14	29.58	0
5/10/2017 15:15	9.57	257.2	16.05	20.23	29.58	0
5/10/2017 15:30	8.66	269.2	16.58	20.24	29.58	0
5/10/2017 15:45	8.84	249	26.13	19.77	29.58	0
5/10/2017 16:00	6.897	249.2	13.93	19.49	29.58	0
5/10/2017 16:15	5.905	256.5	21.55	19.74	29.58	0
5/10/2017 16:30	6.484	265.6	17.6	20.02	29.58	0
5/10/2017 16:45	3.796	283.6	22.91	19.77	29.58	0
5/10/2017 17:00	6.765	291.8	13.42	19.22	29.57	0
5/10/2017 17:15	4.693	308.4	11.05	19.31	29.57	0
5/10/2017 17:30	4.209	285.4	17.32	19.54	29.57	0
5/10/2017 17:45	2.99	280.6	17.24	19.64	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
5/10/2017 18:00	2.966	279.6	22.51	19.74	29.57	0
5/10/2017 18:15	1.493	294.5	23.78	20.28	29.57	0
5/10/2017 18:30	0.685	318.5	36.78	20.04	29.57	0
5/10/2017 18:45	1.592	29.04	64.93	19.09	29.57	0
5/10/2017 19:00	0.827	38.76	0.083	18.92	29.57	0
5/10/2017 19:15	3.146	279.5	34.07	19.06	29.57	0
5/10/2017 19:30	7.166	267.1	7.167	18.6	29.57	0
5/10/2017 19:45	6.799	276	6.105	17.94	29.57	0
5/10/2017 20:00	6.681	274.2	5.904	17.58	29.6	0
5/10/2017 20:15	5.458	277.1	4.602	17.28	29.6	0
5/10/2017 20:30	6.371	302.6	11.94	16.71	29.6	0
5/10/2017 20:45	6.771	294.8	10.81	16.06	29.6	0
5/10/2017 21:00	5.63	279.8	6.871	16.36	29.61	0
5/10/2017 21:15	2.975	322.3	22.8	16.04	29.61	0
5/10/2017 21:30	3.315	294.2	20.28	16.04	29.61	0
5/10/2017 21:45	1.287	309.3	9.97	15.68	29.61	0
5/10/2017 22:00	3.011	258.5	25.12	15.55	29.59	0
5/10/2017 22:15	4.209	255.3	4.725	15.3	29.59	0
5/10/2017 22:30	6.519	247.2	5.174	15.2	29.59	0
5/10/2017 22:45	6.474	238.3	8.36	14.98	29.59	0
5/10/2017 23:00	7.645	251.1	12.26	14.68	29.62	0
5/10/2017 23:15	6.957	251.2	7.034	14.47	29.62	0
5/10/2017 23:30	6.429	240.7	8.87	14.16	29.62	0
5/10/2017 23:45	4.023	223.5	7.677	14.01	29.62	0
5/11/2017 0:00	6.839	237.1	6.038	13.89	29.62	0
5/11/2017 0:15	7.863	241.3	5.906	13.44	29.62	0
5/11/2017 0:30	5.765	250.2	5.588	13.16	29.62	0
5/11/2017 0:45	3.06	223.2	12.21	13.04	29.62	0
5/11/2017 1:00	3.113	161.5	33.27	12.64	29.63	0
5/11/2017 1:15	3.858	122.7	15.23	12.36	29.63	0
5/11/2017 1:30	6.748	103.1	14.73	12.23	29.63	0
5/11/2017 1:45	4.785	168.9	40.28	12.58	29.63	0
5/11/2017 2:00	8.25	268.5	11.07	12.52	29.61	0
5/11/2017 2:15	8.66	274.8	5.443	12.38	29.61	0
5/11/2017 2:30	8.51	289.4	8.61	11.94	29.61	0
5/11/2017 2:45	6.706	310.3	5.663	11.37	29.61	0
5/11/2017 3:00	5.464	334	19.71	11	29.59	0
5/11/2017 3:15	1.595	43.08	12.17	10.89	29.59	0
5/11/2017 3:30	3.684	319.6	56.74	11.18	29.59	0
5/11/2017 3:45	6.511	292.2	12.31	11.14	29.59	0
5/11/2017 4:00	6.216	313.5	5.675	10.93	29.56	0
5/11/2017 4:15	5.725	301.3	6.742	11.07	29.56	0
5/11/2017 4:30	2.81	29.99	26.73	10.88	29.56	0
5/11/2017 4:45	4.173	65	20.17	10.77	29.56	0
5/11/2017 5:00	4.863	78.92	13.24	10.93	29.55	0
5/11/2017 5:15	4.09	98	14.09	10.98	29.55	0
5/11/2017 5:30	2.559	125.3	22.43	11.54	29.55	0
5/11/2017 5:45	2.75	160.6	30.28	11.65	29.55	0
5/11/2017 6:00	4.144	106.6	55.37	11.35	29.55	0
5/11/2017 6:15	1.12	215.1	69.78	11.48	29.55	0
5/11/2017 6:30	1.345	163.6	11.29	11.77	29.55	0
5/11/2017 6:45	3.275	181.9	47.54	12.2	29.55	0
5/11/2017 7:00	4.738	262.6	30.03	12.44	29.56	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
5/11/2017 7:15	2.967	287.9	15.59	12.55	29.56	0
5/11/2017 7:30	1.123	334.8	22.74	12.95	29.56	0
5/11/2017 7:45	2.774	20.26	2.836	12.71	29.56	0
5/11/2017 8:00	2.348	54.51	35.8	13.26	29.54	0
5/11/2017 8:15	0.711	88.8	2.328	13.9	29.54	0
5/11/2017 8:30	0.803	87.1	0.199	14.46	29.54	0
5/11/2017 8:45	1.026	328.8	33.33	15.5	29.54	0
5/11/2017 9:00	2.421	14.25	22.64	16.33	29.54	0
5/11/2017 9:15	1.575	38.59	70.06	16.52	29.54	0
5/11/2017 9:30	3.542	227.2	21.41	16.74	29.54	0
5/11/2017 9:45	5.645	238.8	23.59	16.34	29.54	0
5/11/2017 10:00	9.57	265.7	8.66	15.18	29.54	0
5/11/2017 10:15	13.63	246.2	5.601	13.88	29.54	0.03
5/11/2017 10:30	8.5	229.5	11.84	13.22	29.54	0.02
5/11/2017 10:45	9.25	227.3	7.698	13.22	29.54	0.01
5/11/2017 11:00	25.17	251.5	8.81	11.26	29.58	0.06
5/11/2017 11:15	22.16	253.9	10.17	10.45	29.58	0.02
5/11/2017 11:30	20.24	248.2	10.5	10.34	29.58	0
5/11/2017 11:45	16.65	232.2	11.44	10.02	29.58	0.01
5/11/2017 12:00	13.16	222.6	10.12	9.9	29.68	0.01
5/11/2017 12:15	10.92	202.4	10.86	9.78	29.68	0.03
5/11/2017 12:30	11.52	193.4	11.88	9.69	29.68	0.03
5/11/2017 12:45	10.15	177.2	20.81	9.98	29.68	0.01
5/11/2017 13:00	10.46	170.9	13.11	9.55	29.71	0
5/11/2017 13:15	8.77	163.7	16.49	9.14	29.71	0.02
5/11/2017 13:30	7.679	143.8	9.82	9.02	29.71	0.01
5/11/2017 13:45	9.08	151.1	8.5	9.14	29.71	0
5/11/2017 14:00	8.9	147.5	9.04	9.07	29.72	0
5/11/2017 14:15	8.84	155.2	11.45	9.14	29.72	0.01
5/11/2017 14:30	7.941	150.5	10.16	8.98	29.72	0.01
5/11/2017 14:45	5.434	123.3	12.55	9.12	29.72	0.01
5/11/2017 15:00	6.465	113.5	17.82	9.37	29.72	0
5/11/2017 15:15	7.807	138.4	13.92	9.31	29.72	0
5/11/2017 15:30	6.916	141.6	11.08	9.2	29.72	0
5/11/2017 15:45	6.7	112.8	11.87	9.17	29.72	0
5/11/2017 16:00	6.568	116.3	13.47	9.47	29.71	0
5/11/2017 16:15	5.848	125.5	11.55	9.77	29.71	0
5/11/2017 16:30	5.61	106.5	16.02	10.36	29.71	0
5/11/2017 16:45	5.221	111.4	12.93	10.37	29.71	0
5/11/2017 17:00	5.384	142.7	10.02	10.69	29.72	0
5/11/2017 17:15	4.619	136.6	10.12	10.84	29.72	0
5/11/2017 17:30	4.836	150.4	14.9	10.81	29.72	0
5/11/2017 17:45	16.52	236.7	41.42	9.07	29.72	0.02
5/11/2017 18:00	10.22	266.9	11.11	7.515	29.74	0
5/11/2017 18:15	4.093	300.4	30.64	7.364	29.74	0.01
5/11/2017 18:30	1.481	339.4	34.5	7.431	29.74	0
5/11/2017 18:45	2.481	123.9	32.16	7.259	29.74	0
5/11/2017 19:00	4.638	99.1	11.22	7.289	29.72	0
5/11/2017 19:15	5.986	114.5	11.45	7.406	29.72	0
5/11/2017 19:30	5.571	126.7	8.29	7.287	29.72	0
5/11/2017 19:45	5.863	128.8	8.61	7.295	29.72	0
5/11/2017 20:00	5.537	115.5	7.328	7.424	29.72	0
5/11/2017 20:15	4.667	102.8	9.93	7.423	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
5/11/2017 20:30	3.285	134.2	14.54	7.81	29.72	0
5/11/2017 20:45	1.569	112	1.108	7.971	29.72	0
5/11/2017 21:00	1.354	112.2	0.148	7.538	29.72	0
5/11/2017 21:15	3.022	240.6	23.35	7.747	29.72	0
5/11/2017 21:30	10.98	249.4	11.18	7.673	29.72	0.02
5/11/2017 21:45	8.67	210.1	15.55	7.512	29.72	0
5/11/2017 22:00	6.722	167	17.04	7.164	29.74	0.02
5/11/2017 22:15	5.102	124.1	15.95	6.797	29.74	0.01
5/11/2017 22:30	7.914	118.2	9	6.651	29.74	0.02
5/11/2017 22:45	7.395	123.8	9.21	6.6	29.74	0
5/11/2017 23:00	7.103	146.8	11.33	6.478	29.73	0
5/11/2017 23:15	7.792	137.1	9.93	6.491	29.73	0
5/11/2017 23:30	7.919	143	7.924	6.576	29.73	0
5/11/2017 23:45	7.097	147.2	9.16	6.575	29.73	0
5/12/2017 0:00	7.145	131.5	7.664	6.748	29.73	0
5/12/2017 0:15	7.238	137.2	9.05	6.767	29.73	0
5/12/2017 0:30	6.589	138	7.738	6.858	29.73	0
5/12/2017 0:45	6.489	129.5	8.03	6.799	29.73	0
5/12/2017 1:00	6.287	123.2	6.688	6.967	29.72	0
5/12/2017 1:15	5.33	126.9	14.33	6.897	29.72	0
5/12/2017 1:30	4.04	124.9	14.1	6.861	29.72	0
5/12/2017 1:45	3.514	107.3	4.932	6.435	29.72	0
5/12/2017 2:00	2.712	111.3	5.809	6.512	29.71	0
5/12/2017 2:15	2.383	120.4	8.75	6.401	29.71	0
5/12/2017 2:30	3.042	161.4	20.65	6.603	29.71	0
5/12/2017 2:45	2.631	136.9	7.942	6.553	29.71	0
5/12/2017 3:00	3.865	148.3	8.91	6.913	29.71	0
5/12/2017 3:15	2.981	139.2	11.44	6.624	29.71	0
5/12/2017 3:30	3.057	140.6	9.08	6.3	29.71	0
5/12/2017 3:45	3.396	161.5	10.02	6.897	29.71	0
5/12/2017 4:00	2.853	161.2	8.22	6.506	29.71	0
5/12/2017 4:15	4.601	143.1	5.575	6.283	29.71	0
5/12/2017 4:30	4.936	129.7	7.258	6.635	29.71	0
5/12/2017 4:45	3.82	152.8	31.53	5.956	29.71	0
5/12/2017 5:00	3.714	135.5	9.58	6.107	29.7	0
5/12/2017 5:15	2.868	97.4	16.82	5.888	29.7	0
5/12/2017 5:30	3.738	135	35.95	5.933	29.7	0
5/12/2017 5:45	3.213	181.4	14.59	6.07	29.7	0
5/12/2017 6:00	3.529	193.7	19.17	5.803	29.71	0
5/12/2017 6:15	2.047	160.6	31.95	6.753	29.71	0
5/12/2017 6:30	2.277	193.4	24.11	6.97	29.71	0
5/12/2017 6:45	2.166	120.3	44.26	7.604	29.71	0
5/12/2017 7:00	2.17	114.7	12.53	7.677	29.7	0
5/12/2017 7:15	2.83	119	19.05	8.55	29.7	0
5/12/2017 7:30	4.688	164.1	28.49	9.15	29.7	0
5/12/2017 7:45	5.625	190.3	10.05	9.05	29.7	0
5/12/2017 8:00	6.639	190.4	13.53	9.38	29.7	0
5/12/2017 8:15	4.549	185.5	13.24	9	29.7	0
5/12/2017 8:30	3.253	197.7	23.51	9.29	29.7	0
5/12/2017 8:45	4.715	191.8	24.01	10.26	29.7	0
5/12/2017 9:00	4.067	227.2	43.48	10.67	29.7	0
5/12/2017 9:15	7.325	228.7	16.47	10.56	29.7	0
5/12/2017 9:30	10.72	230.9	22.13	10.07	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
5/12/2017 9:45	6.748	193	12.65	10.16	29.7	0
5/12/2017 10:00	8.47	225.5	28.15	10.44	29.68	0
5/12/2017 10:15	9.8	282.9	18.21	9.75	29.68	0
5/12/2017 10:30	6.627	306.3	26.91	10.55	29.68	0
5/12/2017 10:45	8.31	322.1	15.87	10.6	29.68	0
5/12/2017 11:00	5.209	306.5	22.6	10.69	29.67	0
5/12/2017 11:15	10.75	273.2	9.37	10.6	29.67	0
5/12/2017 11:30	16.35	259.8	10.62	8.72	29.67	0.02
5/12/2017 11:45	14.79	278.1	10.62	9.15	29.67	0
5/12/2017 12:00	11.28	268.7	11.87	8.31	29.69	0
5/12/2017 12:15	9.43	258.2	14.52	8.01	29.69	0.01
5/12/2017 12:30	10.94	213.3	13.08	7.589	29.69	0.02
5/12/2017 12:45	4.111	202.4	20.48	7.824	29.69	0
5/12/2017 13:00	4.262	266.4	33.23	8.47	29.69	0
5/12/2017 13:15	8.13	284.4	12.1	8.93	29.69	0
5/12/2017 13:30	9.91	266	22.12	9.04	29.69	0.01
5/12/2017 13:45	9.26	234.9	12.44	7.912	29.69	0.01
5/12/2017 14:00	3.431	78.16	58.73	7.305	29.69	0.02
5/12/2017 14:15	3.524	83.1	22.27	8.35	29.69	0
5/12/2017 14:30	5.435	122.9	12.43	8.58	29.69	0
5/12/2017 14:45	5.664	105	20.11	8.81	29.69	0
5/12/2017 15:00	2.929	146.3	33.98	9.59	29.71	0
5/12/2017 15:15	6.528	246.9	45.28	9.17	29.71	0
5/12/2017 15:30	3.74	159.7	36.27	9.22	29.71	0
5/12/2017 15:45	4.538	140.2	13.9	9.31	29.71	0
5/12/2017 16:00	7.612	161.5	12.06	9.21	29.71	0
5/12/2017 16:15	10.89	149.2	16.16	7.972	29.71	0
5/12/2017 16:30	8.54	118.8	12.04	6.775	29.71	0.04
5/12/2017 16:45	5.155	108.7	6.797	6.685	29.71	0.02
5/12/2017 17:00	3.586	142.5	14.5	6.875	29.71	0
5/12/2017 17:15	6.57	150	11.56	7.335	29.71	0
5/12/2017 17:30	8.88	127.1	11.82	7.219	29.71	0
5/12/2017 17:45	7.022	115	11.81	6.93	29.71	0
5/12/2017 18:00	6.157	103.9	9.45	6.758	29.7	0
5/12/2017 18:15	4.175	102.8	11.4	6.829	29.7	0
5/12/2017 18:30	3.156	55.25	9.92	6.827	29.7	0
5/12/2017 18:45	1.194	38.96	0.691	7.095	29.7	0
5/12/2017 19:00	0.319	39.49	0.067	7.269	29.69	0
5/12/2017 19:15	3.065	195.8	18.31	7.179	29.69	0
5/12/2017 19:30	3.221	202.4	18.1	6.93	29.69	0
5/12/2017 19:45	0.82	132.9	1.946	6.704	29.69	0
5/12/2017 20:00	3.298	177.3	29.73	6.751	29.69	0.01
5/12/2017 20:15	2.408	126.1	46.76	6.562	29.69	0
5/12/2017 20:30	2.593	61.81	10.28	6.33	29.69	0
5/12/2017 20:45	2.902	31.31	9.1	6.234	29.69	0
5/12/2017 21:00	2.974	31.08	5.025	6.199	29.68	0
5/12/2017 21:15	4.396	45.79	3.56	6.333	29.68	0
5/12/2017 21:30	4.438	38.37	3.24	6.018	29.68	0
5/12/2017 21:45	4.527	35.29	9.98	6.01	29.68	0
5/12/2017 22:00	4.359	32.84	5.382	5.969	29.67	0
5/12/2017 22:15	2.058	54.29	4.196	6.048	29.67	0
5/12/2017 22:30	2.111	115.6	50.57	6.083	29.67	0
5/12/2017 22:45	2.373	80.7	34.27	6.496	29.67	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
5/12/2017 23:00	2.486	41.42	3.099	6.211	29.66	0
5/12/2017 23:15	3.65	42.08	6.017	6.002	29.66	0
5/12/2017 23:30	3.283	46.29	7.462	6.082	29.66	0
5/12/2017 23:45	2.346	47.12	3.737	6.214	29.66	0
5/13/2017 0:00	2.714	41	3.304	6.294	29.65	0
5/13/2017 0:15	1.655	42.8	1.272	6.267	29.65	0
5/13/2017 0:30	2.412	123.2	41.9	6.528	29.65	0
5/13/2017 0:45	4.375	128.3	19.22	6.441	29.65	0.01
5/13/2017 1:00	5.263	116.8	13.26	6.34	29.65	0
5/13/2017 1:15	4.627	118.3	13.43	6.474	29.65	0
5/13/2017 1:30	4.393	131	20.21	6.4	29.65	0
5/13/2017 1:45	4.951	144.1	14.51	6.492	29.65	0
5/13/2017 2:00	5.426	123.2	7.041	6.357	29.64	0
5/13/2017 2:15	5.118	129.3	7.278	6.455	29.64	0.01
5/13/2017 2:30	5.278	156.1	21.92	6.511	29.64	0
5/13/2017 2:45	5.855	173.3	20.44	6.336	29.64	0
5/13/2017 3:00	7.381	154.9	15.44	6.189	29.65	0.01
5/13/2017 3:15	7.46	136	7.288	6.172	29.65	0
5/13/2017 3:30	7.568	136	7.278	6.063	29.65	0
5/13/2017 3:45	6.921	137.8	6.822	6.005	29.65	0
5/13/2017 4:00	6.137	144.6	8.07	6.039	29.65	0
5/13/2017 4:15	6.313	152.4	7.952	6.014	29.65	0
5/13/2017 4:30	6.481	146	8.22	6.064	29.65	0
5/13/2017 4:45	6.313	151.2	6.721	6.056	29.65	0
5/13/2017 5:00	7.051	144.4	8.07	6.129	29.66	0
5/13/2017 5:15	7.066	158.4	10.55	6.253	29.66	0
5/13/2017 5:30	7.536	160.9	5.856	6.348	29.66	0
5/13/2017 5:45	6.621	161.3	5.766	6.373	29.66	0
5/13/2017 6:00	6.354	156.5	8.41	6.513	29.67	0
5/13/2017 6:15	6.51	162.2	10	6.666	29.67	0
5/13/2017 6:30	5.588	168.2	13.62	6.707	29.67	0
5/13/2017 6:45	7.079	184.4	8.08	6.749	29.67	0
5/13/2017 7:00	6.021	181	10.91	6.842	29.69	0
5/13/2017 7:15	5.556	187.5	8.39	6.964	29.69	0
5/13/2017 7:30	4.928	181.7	15.79	7.137	29.69	0
5/13/2017 7:45	4.823	158.5	14.14	7.278	29.69	0
5/13/2017 8:00	6.482	184.4	14.17	7.387	29.7	0
5/13/2017 8:15	6.774	197	13.95	7.618	29.7	0
5/13/2017 8:30	7.257	190.9	11.08	8.24	29.7	0
5/13/2017 8:45	7.776	189.2	12.72	8.6	29.7	0
5/13/2017 9:00	7.971	199.1	10.58	8.38	29.71	0
5/13/2017 9:15	6.382	196	11.54	8.08	29.71	0.01
5/13/2017 9:30	3.757	209.3	23.98	8.08	29.71	0.01
5/13/2017 9:45	4.6	253.2	26.35	8.55	29.71	0
5/13/2017 10:00	7.853	245.5	11.61	7.739	29.7	0.05
5/13/2017 10:15	3.91	188.5	30.26	7.13	29.7	0.01
5/13/2017 10:30	3.965	96.4	25.82	6.843	29.7	0
5/13/2017 10:45	5.034	59.17	11.88	6.831	29.7	0
5/13/2017 11:00	4.228	96	14.53	7.838	29.71	0
5/13/2017 11:15	2.476	78.4	50.71	9.15	29.71	0
5/13/2017 11:30	2.445	101.3	30.72	9.67	29.71	0
5/13/2017 11:45	4.593	192.4	45.16	10.39	29.71	0
5/13/2017 12:00	3.818	176.9	34.19	10.54	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
5/13/2017 12:15	4.265	224.5	51.25	10.97	29.7	0
5/13/2017 12:30	8.37	205.3	25.9	11.16	29.7	0
5/13/2017 12:45	7.892	219	25.01	11.1	29.7	0
5/13/2017 13:00	7.269	282.7	19.82	11.21	29.69	0
5/13/2017 13:15	10.18	280.2	11.7	10.81	29.69	0
5/13/2017 13:30	7.756	247.8	18.46	10.67	29.69	0
5/13/2017 13:45	4.231	231.3	33.89	11.18	29.69	0
5/13/2017 14:00	6.276	230.3	39.54	11.29	29.68	0
5/13/2017 14:15	8.58	224.8	12.89	11.75	29.68	0
5/13/2017 14:30	10.37	192.4	46.4	11.48	29.68	0
5/13/2017 14:45	8.02	133.7	12.6	9.94	29.68	0
5/13/2017 15:00	7.514	141.3	13.37	10.04	29.68	0
5/13/2017 15:15	6.931	150.3	11.42	10.2	29.68	0
5/13/2017 15:30	7.2	143.9	11.16	10.43	29.68	0
5/13/2017 15:45	9.02	133.9	9.42	10.07	29.68	0
5/13/2017 16:00	6.228	125.3	9.62	9.98	29.67	0
5/13/2017 16:15	3.748	111.8	9.83	10.2	29.67	0
5/13/2017 16:30	5.747	127.2	7.137	10.53	29.67	0
5/13/2017 16:45	8.2	136.4	11.9	10.46	29.67	0
5/13/2017 17:00	8.94	139.3	10.14	9.91	29.68	0
5/13/2017 17:15	8.28	137.9	9.74	9.61	29.68	0
5/13/2017 17:30	7.4	145.7	11.54	9.4	29.68	0
5/13/2017 17:45	8.33	154.7	12.95	8.91	29.68	0.01
5/13/2017 18:00	6.258	145.9	9.55	8.16	29.68	0
5/13/2017 18:15	5.084	122.3	11.58	7.943	29.68	0
5/13/2017 18:30	3.952	109.4	8.09	7.772	29.68	0
5/13/2017 18:45	3.326	131.5	15.73	7.919	29.68	0
5/13/2017 19:00	4.763	153.9	6.24	8.07	29.7	0
5/13/2017 19:15	5.594	146.2	8.51	8	29.7	0
5/13/2017 19:30	4.923	149.3	11.72	7.926	29.7	0
5/13/2017 19:45	4.384	160.3	10.99	7.97	29.7	0
5/13/2017 20:00	4.705	153.6	10.89	8	29.71	0
5/13/2017 20:15	5.624	148.8	11.1	7.97	29.71	0
5/13/2017 20:30	6.039	155.7	9.73	7.97	29.71	0.01
5/13/2017 20:45	5.432	158.2	12.04	7.924	29.71	0
5/13/2017 21:00	5.319	168.4	10.09	7.838	29.74	0
5/13/2017 21:15	5.636	166.4	9.17	7.724	29.74	0
5/13/2017 21:30	4.656	170.6	10.88	7.681	29.74	0
5/13/2017 21:45	4.59	154.9	9.2	7.485	29.74	0
5/13/2017 22:00	4.639	149	9.66	7.41	29.74	0
5/13/2017 22:15	5.524	153	7.034	7.381	29.74	0
5/13/2017 22:30	5.1	158.3	9.12	7.305	29.74	0
5/13/2017 22:45	4.674	148.4	8.03	7.058	29.74	0
5/13/2017 23:00	5.13	148.4	6.328	6.9	29.75	0
5/13/2017 23:15	6.452	158.4	6.17	6.807	29.75	0
5/13/2017 23:30	6.428	156.5	5.677	6.956	29.75	0
5/13/2017 23:45	6.792	155.8	5.466	6.957	29.75	0
5/14/2017 0:00	6.678	157.5	6.066	6.934	29.75	0
5/14/2017 0:15	6.331	155.8	5.273	6.927	29.75	0
5/14/2017 0:30	5.877	152.4	6.267	7.029	29.75	0
5/14/2017 0:45	5.888	152.8	6.198	7.049	29.75	0
5/14/2017 1:00	5.278	151.3	5.803	6.99	29.75	0
5/14/2017 1:15	4.295	155.2	7.724	6.926	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
5/14/2017 1:30	3.926	158	7.682	6.938	29.75	0
5/14/2017 1:45	4.187	168.2	11.82	7.031	29.75	0
5/14/2017 2:00	5.138	170.8	8.59	7.097	29.75	0
5/14/2017 2:15	3.938	159.9	8.45	6.995	29.75	0
5/14/2017 2:30	4.083	154.3	8.26	7.044	29.75	0
5/14/2017 2:45	4.197	162.1	9.57	7.141	29.75	0
5/14/2017 3:00	5.001	176.7	7.19	7.182	29.75	0
5/14/2017 3:15	3.614	155.1	12.13	6.975	29.75	0
5/14/2017 3:30	3.504	142.9	4.94	7.054	29.75	0
5/14/2017 3:45	3.646	133.1	4.74	7.109	29.75	0
5/14/2017 4:00	3.985	140.7	6.839	7.23	29.74	0
5/14/2017 4:15	2.559	141.8	11.91	7.39	29.74	0
5/14/2017 4:30	2.64	174.4	13.61	7.6	29.74	0
5/14/2017 4:45	2.814	169.1	17.6	7.665	29.74	0
5/14/2017 5:00	4.367	191.5	10.42	7.775	29.74	0
5/14/2017 5:15	4.526	187.3	13.6	7.606	29.74	0
5/14/2017 5:30	5.012	187.2	15.06	7.478	29.74	0
5/14/2017 5:45	4.152	152.4	15.49	7.392	29.74	0
5/14/2017 6:00	4.071	160.8	13.07	7.438	29.75	0
5/14/2017 6:15	3.812	148.9	13.31	7.424	29.75	0
5/14/2017 6:30	4.096	136.4	9.16	7.415	29.75	0
5/14/2017 6:45	5.197	141.9	8.99	7.403	29.75	0
5/14/2017 7:00	4.042	129.8	7.778	7.419	29.76	0
5/14/2017 7:15	4.681	130.2	9.94	7.503	29.76	0
5/14/2017 7:30	5.402	146	10.6	7.655	29.76	0
5/14/2017 7:45	6.202	147.9	8.98	7.711	29.76	0.01
5/14/2017 8:00	6.088	146.1	11.19	7.741	29.77	0
5/14/2017 8:15	5.823	138	8.78	7.866	29.77	0
5/14/2017 8:30	6.576	153.4	13.85	8.08	29.77	0
5/14/2017 8:45	6.56	159.4	12.71	7.899	29.77	0
5/14/2017 9:00	8.43	153.9	12.71	7.754	29.76	0
5/14/2017 9:15	7.319	152.7	9	7.973	29.76	0
5/14/2017 9:30	5.226	152.5	17.42	8.26	29.76	0
5/14/2017 9:45	4.3	129.2	13.47	8.15	29.76	0
5/14/2017 10:00	5.904	186.4	21.29	8.11	29.76	0
5/14/2017 10:15	8.03	188.5	9.6	8.01	29.76	0.01
5/14/2017 10:30	6.217	181.8	12.06	8.43	29.76	0
5/14/2017 10:45	7.851	162	14.19	9.48	29.76	0
5/14/2017 11:00	7.593	158.1	10.53	10.1	29.78	0
5/14/2017 11:15	7.963	141.3	10.05	9.63	29.78	0
5/14/2017 11:30	5.053	162	20.95	9.62	29.78	0.01
5/14/2017 11:45	4.645	122.6	53.14	10.27	29.78	0
5/14/2017 12:00	10.31	177.2	10.81	8.22	29.75	0.04
5/14/2017 12:15	2.352	108.6	31.36	8.24	29.75	0.01
5/14/2017 12:30	2.826	55.27	10.81	8.48	29.75	0.01
5/14/2017 12:45	3.016	49.56	23.41	8.89	29.75	0.01
5/14/2017 13:00	5.097	100.5	16.29	9.45	29.77	0
5/14/2017 13:15	6.735	181.7	30.91	11.08	29.77	0
5/14/2017 13:30	7.812	194.1	13.83	11.75	29.77	0
5/14/2017 13:45	9.53	207.8	12.95	12.18	29.77	0
5/14/2017 14:00	12.82	216.4	9.99	12.14	29.77	0
5/14/2017 14:15	13.76	211.6	11.14	11.65	29.77	0
5/14/2017 14:30	14.18	196.3	10.71	11.62	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
5/14/2017 14:45	13.4	184.7	9.45	11.27	29.77	0
5/14/2017 15:00	12.57	183.2	9.26	11.62	29.75	0
5/14/2017 15:15	11	185	12.96	10.95	29.75	0
5/14/2017 15:30	13.24	214.6	12.86	9.75	29.75	0.01
5/14/2017 15:45	5.492	167.1	24.85	9.54	29.75	0
5/14/2017 16:00	5.654	137.3	12.51	10.13	29.75	0
5/14/2017 16:15	6.42	149.2	12.4	10.59	29.75	0
5/14/2017 16:30	8.45	159.7	9.62	10.63	29.75	0
5/14/2017 16:45	8.9	153.7	10.07	9.82	29.75	0.01
5/14/2017 17:00	6.513	138.2	9.96	9.72	29.74	0
5/14/2017 17:15	8.25	147.2	11.33	9.78	29.74	0
5/14/2017 17:30	8.64	149.9	9.76	9.55	29.74	0
5/14/2017 17:45	7.995	139.5	9.19	9.27	29.74	0.01
5/14/2017 18:00	7.974	137.4	8.13	8.99	29.74	0.01
5/14/2017 18:15	7.275	138.7	10.11	9.09	29.74	0
5/14/2017 18:30	7.255	142.3	10.95	9.12	29.74	0
5/14/2017 18:45	7.522	149.9	10.21	9.1	29.74	0
5/14/2017 19:00	7.353	153.9	8.64	9.11	29.75	0
5/14/2017 19:15	7.827	157.6	8.19	9.1	29.75	0
5/14/2017 19:30	9.5	169.4	13.3	9.07	29.75	0
5/14/2017 19:45	8.86	170.5	10.53	8.77	29.75	0
5/14/2017 20:00	7.744	151.6	9.23	8.29	29.76	0
5/14/2017 20:15	5.717	139.6	8.33	8.13	29.76	0
5/14/2017 20:30	5.995	148.9	7.165	8.05	29.76	0
5/14/2017 20:45	6.352	151.3	8.65	8.04	29.76	0
5/14/2017 21:00	6.505	151.3	7.388	8.11	29.78	0
5/14/2017 21:15	6.276	151.3	6.738	8.09	29.78	0
5/14/2017 21:30	8.29	160.8	7.765	8.12	29.78	0
5/14/2017 21:45	8.01	161.5	7.021	8.09	29.78	0
5/14/2017 22:00	8.18	162.3	7.3	8.11	29.78	0
5/14/2017 22:15	7.827	161.4	7.247	8.07	29.78	0
5/14/2017 22:30	8.13	157	7.782	8	29.78	0
5/14/2017 22:45	7.31	155.5	7.796	7.954	29.78	0
5/14/2017 23:00	6.628	149.9	8.11	7.864	29.77	0
5/14/2017 23:15	6.508	152	7.225	7.829	29.77	0
5/14/2017 23:30	6.538	153.3	8.91	7.83	29.77	0
5/14/2017 23:45	6.598	150.5	6.395	7.803	29.77	0
5/15/2017 0:00	7.161	154.9	6.48	7.749	29.77	0
5/15/2017 0:15	7.342	152.5	6.796	7.755	29.77	0
5/15/2017 0:30	6.944	154.2	6.42	7.753	29.77	0
5/15/2017 0:45	6.341	151.5	8.27	7.734	29.77	0
5/15/2017 1:00	6.372	151.3	8.48	7.717	29.77	0
5/15/2017 1:15	5.731	153.5	8.08	7.688	29.77	0
5/15/2017 1:30	5.81	151.1	8.22	7.588	29.77	0
5/15/2017 1:45	6.057	154.9	5.886	7.305	29.77	0
5/15/2017 2:00	6.389	156.7	6.958	7.151	29.75	0
5/15/2017 2:15	4.995	156.1	10.55	6.963	29.75	0
5/15/2017 2:30	5.737	153.1	7.166	7.049	29.75	0
5/15/2017 2:45	6.645	157.9	5.446	7.088	29.75	0
5/15/2017 3:00	7.606	162	5.257	7.097	29.74	0
5/15/2017 3:15	7.727	163.7	5.479	7.17	29.74	0
5/15/2017 3:30	6.449	165.4	7.553	7.117	29.74	0
5/15/2017 3:45	7.11	161.1	7.276	7.032	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
5/15/2017 4:00	7.459	185.4	7.368	7.312	29.74	0
5/15/2017 4:15	6.827	178.7	9.73	7.242	29.74	0
5/15/2017 4:30	5.321	170.7	6.542	7.077	29.74	0
5/15/2017 4:45	6.255	160.2	6.243	7.172	29.74	0
5/15/2017 5:00	6.069	163.8	9.66	7.327	29.73	0
5/15/2017 5:15	6.308	151.8	7.516	7.417	29.73	0
5/15/2017 5:30	6.786	150.2	8.2	7.531	29.73	0
5/15/2017 5:45	6.816	150.4	6.799	7.612	29.73	0
5/15/2017 6:00	6.985	156.4	7.448	7.738	29.73	0
5/15/2017 6:15	6.376	158.2	6.539	7.805	29.73	0
5/15/2017 6:30	6.312	150.5	6.293	7.907	29.73	0
5/15/2017 6:45	5.745	154.1	10.41	8.14	29.73	0
5/15/2017 7:00	5.399	160.9	9.81	8.41	29.73	0
5/15/2017 7:15	6.134	150.3	11.48	8.7	29.73	0
5/15/2017 7:30	7.051	164.3	16.29	8.88	29.73	0
5/15/2017 7:45	6.43	199	11.87	9.08	29.73	0
5/15/2017 8:00	6.123	196.9	16.26	9.2	29.74	0
5/15/2017 8:15	5.689	184.5	16.68	9.39	29.74	0
5/15/2017 8:30	7.259	191.3	10.07	9.54	29.74	0
5/15/2017 8:45	6.459	193.3	11.8	9.76	29.74	0
5/15/2017 9:00	5.883	208.2	26.02	10.17	29.73	0
5/15/2017 9:15	6.118	197.4	15.51	9.8	29.73	0
5/15/2017 9:30	8.54	251.6	25.88	9.66	29.73	0
5/15/2017 9:45	10.84	259.6	10.7	8.58	29.73	0
5/15/2017 10:00	7.231	248.8	8.85	8.66	29.7	0
5/15/2017 10:15	6.463	255.2	10.43	8.98	29.7	0
5/15/2017 10:30	6.12	261.3	15.55	9.38	29.7	0
5/15/2017 10:45	5.389	225.2	16.21	9.64	29.7	0
5/15/2017 11:00	5.456	227.4	18.93	9.88	29.7	0
5/15/2017 11:15	7.539	231.4	12.98	10.05	29.7	0
5/15/2017 11:30	6.699	237.4	15.37	10.43	29.7	0
5/15/2017 11:45	9.57	235.1	8.21	10.4	29.7	0
5/15/2017 12:00	6.654	229.3	14.69	10.4	29.68	0
5/15/2017 12:15	6.444	232.1	12.48	10.48	29.68	0
5/15/2017 12:30	7.85	226.9	15.31	10.61	29.68	0
5/15/2017 12:45	8.77	251.5	22.73	10.64	29.68	0
5/15/2017 13:00	10.05	286.6	8.54	10.19	29.67	0
5/15/2017 13:15	11.94	277.9	10.06	9.3	29.67	0.01
5/15/2017 13:30	7.79	293.9	10.83	8.87	29.67	0
5/15/2017 13:45	5.084	278.4	19	8.95	29.67	0
5/15/2017 14:00	4.056	257.5	16.79	8.89	29.65	0
5/15/2017 14:15	3.377	271.9	20.18	8.89	29.65	0.01
5/15/2017 14:30	4.081	256.8	15.23	8.71	29.65	0
5/15/2017 14:45	2.263	181.3	40.89	8.75	29.65	0.01
5/15/2017 15:00	2.529	159.8	64.13	8.77	29.63	0.01
5/15/2017 15:15	3.762	121.6	21.85	8.65	29.63	0
5/15/2017 15:30	2.355	285.2	53.83	8.55	29.63	0.02
5/15/2017 15:45	3.814	216.6	36.14	8.41	29.63	0.02
5/15/2017 16:00	3.927	215.8	36.25	8.44	29.6	0.01
5/15/2017 16:15	1.777	137.2	29.39	8.25	29.6	0.01
5/15/2017 16:30	1.188	158.9	35.78	8.18	29.6	0.06
5/15/2017 16:45	1.633	178.5	38.29	8.27	29.6	0.01
5/15/2017 17:00	1.322	14.47	43.05	8.27	29.59	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
5/15/2017 17:15	4.379	278.3	20.7	8.08	29.59	0.03
5/15/2017 17:30	4.942	267.6	12.23	7.938	29.59	0.02
5/15/2017 17:45	7.415	258.2	9.48	7.816	29.59	0.01
5/15/2017 18:00	5.239	246.2	10.32	7.735	29.57	0.02
5/15/2017 18:15	5.564	225.5	12.23	7.641	29.57	0.01
5/15/2017 18:30	4.876	208.8	16.31	7.627	29.57	0
5/15/2017 18:45	5.138	196.1	13.39	7.562	29.57	0.01
5/15/2017 19:00	4.491	167.6	13.55	7.347	29.54	0.01
5/15/2017 19:15	4.706	157.6	17.62	7.203	29.54	0.01
5/15/2017 19:30	5.09	149.9	8.52	7.079	29.54	0.01
5/15/2017 19:45	6.338	145.2	8.78	7.004	29.54	0.01
5/15/2017 20:00	6.14	142.7	8.08	6.946	29.49	0.01
5/15/2017 20:15	5.835	143.3	8.29	6.897	29.49	0.01
5/15/2017 20:30	5.479	141	9.09	6.917	29.49	0.02
5/15/2017 20:45	5.848	146.9	9.13	6.921	29.49	0.01
5/15/2017 21:00	5.375	137.4	10.2	6.883	29.46	0.01
5/15/2017 21:15	5.305	130.8	9.09	6.839	29.46	0.01
5/15/2017 21:30	6.317	126.3	7.303	6.812	29.46	0.01
5/15/2017 21:45	6.584	135.4	7.801	6.824	29.46	0.01
5/15/2017 22:00	6.887	138.5	10.67	6.826	29.42	0.02
5/15/2017 22:15	7.408	135.9	11.96	6.886	29.42	0.01
5/15/2017 22:30	6.441	135.3	7.162	6.832	29.42	0.01
5/15/2017 22:45	7.98	135.4	7.27	6.85	29.42	0.01
5/15/2017 23:00	7.711	130.4	8.2	6.848	29.36	0.01
5/15/2017 23:15	8.36	128.6	9.15	6.919	29.36	0.01
5/15/2017 23:30	8.56	132.9	8.63	7.066	29.36	0.01
5/15/2017 23:45	10.68	132.8	8.1	7.23	29.36	0.01
5/16/2017 0:00	11.27	135.9	10.05	7.324	29.31	0
5/16/2017 0:15	10.66	140.9	9.78	7.317	29.31	0.01
5/16/2017 0:30	12.25	137.4	9.39	7.201	29.31	0
5/16/2017 0:45	10.99	138	8.41	7.178	29.31	0.01
5/16/2017 1:00	9.13	151.9	9.63	7.098	29.29	0
5/16/2017 1:15	8.59	156.7	7.645	7.097	29.29	0
5/16/2017 1:30	8.72	162.5	7.641	7.077	29.29	0
5/16/2017 1:45	9.34	177.3	10.17	7.199	29.29	0
5/16/2017 2:00	11.67	185.5	8.29	7.35	29.27	0
5/16/2017 2:15	14.03	188.8	8.99	7.212	29.27	0
5/16/2017 2:30	13.67	189.3	8.3	7.06	29.27	0.01
5/16/2017 2:45	13.4	192.8	8.63	6.964	29.27	0.01
5/16/2017 3:00	11.23	194.8	8.76	6.821	29.26	0.01
5/16/2017 3:15	11.55	190.7	9.19	6.776	29.26	0.01
5/16/2017 3:30	11.18	190.1	8.91	6.726	29.26	0.01
5/16/2017 3:45	12.36	199.1	8.41	6.723	29.26	0.01
5/16/2017 4:00	12.01	203.1	9.24	6.709	29.24	0.02
5/16/2017 4:15	11.37	212.8	10.76	6.802	29.24	0.03
5/16/2017 4:30	9.81	203.1	8.12	6.735	29.24	0.02
5/16/2017 4:45	8.74	203.1	11.67	6.702	29.24	0.02
5/16/2017 5:00	13.71	219.6	12.33	6.72	29.22	0.01
5/16/2017 5:15	12.83	222.9	8.61	6.596	29.22	0.01
5/16/2017 5:30	11.09	217.5	10.84	6.46	29.22	0.01
5/16/2017 5:45	9.28	201.3	8.76	6.273	29.22	0.01
5/16/2017 6:00	8.12	194.6	19.07	6.11	29.25	0
5/16/2017 6:15	9	204.6	11.36	6.033	29.25	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
5/16/2017 6:30	11.46	195.8	8.45	5.827	29.25	0
5/16/2017 6:45	11.42	194.7	9.74	5.795	29.25	0
5/16/2017 7:00	9.45	194.4	8.74	5.74	29.28	0
5/16/2017 7:15	10.01	191.9	10.73	5.721	29.28	0
5/16/2017 7:30	10.3	193.3	8.17	5.99	29.28	0
5/16/2017 7:45	9.49	189.3	10.24	5.958	29.28	0
5/16/2017 8:00	7.502	166.3	11.52	5.974	29.3	0
5/16/2017 8:15	8.01	156.2	7.347	6.054	29.3	0
5/16/2017 8:30	8.74	158	15.94	6.008	29.3	0
5/16/2017 8:45	8.13	189.6	10.65	6.193	29.3	0
5/16/2017 9:00	9.61	180.1	13.28	6.282	29.3	0
5/16/2017 9:15	7.711	164.2	14.41	6.703	29.3	0
5/16/2017 9:30	9.43	196.7	9.99	6.626	29.3	0.01
5/16/2017 9:45	9.05	188	9.32	6.568	29.3	0
5/16/2017 10:00	6.04	155.1	13.38	7.092	29.31	0
5/16/2017 10:15	7.545	138.7	18.34	6.859	29.31	0
5/16/2017 10:30	5.207	276.2	83.3	6.931	29.31	0
5/16/2017 10:45	6.623	243.6	33.44	7.631	29.31	0
5/16/2017 11:00	6.628	271.2	34.38	8.46	29.33	0
5/16/2017 11:15	8.12	264.6	25.07	9.05	29.33	0
5/16/2017 11:30	6.989	29.64	29.05	7.051	29.33	0
5/16/2017 11:45	8.17	45.04	12.29	6.604	29.33	0
5/16/2017 12:00	6.075	44.61	11.08	6.954	29.32	0
5/16/2017 12:15	6.217	58.52	15.64	7.608	29.32	0
5/16/2017 12:30	7.353	36.18	14.24	7.89	29.32	0
5/16/2017 12:45	4.777	71.38	17.97	7.618	29.32	0
5/16/2017 13:00	3.59	10.77	30.08	7.621	29.35	0.01
5/16/2017 13:15	8.91	297.5	13.29	7.476	29.35	0.01
5/16/2017 13:30	4.795	308.9	15.78	7.55	29.35	0.01
5/16/2017 13:45	4.116	328.6	20.28	7.585	29.35	0.02
5/16/2017 14:00	4.766	264.5	23.25	8.26	29.38	0
5/16/2017 14:15	8.27	228.2	11.6	8.75	29.38	0
5/16/2017 14:30	8.47	217.3	11.44	9.1	29.38	0
5/16/2017 14:45	6.754	209	13.56	9.32	29.38	0
5/16/2017 15:00	4.863	245.4	20.74	9.74	29.41	0
5/16/2017 15:15	5.935	267.6	26.06	10.1	29.41	0
5/16/2017 15:30	7.753	266	13.89	10.09	29.41	0
5/16/2017 15:45	10.75	257.7	13.93	9.93	29.41	0
5/16/2017 16:00	11.21	256.8	9.1	9.64	29.42	0
5/16/2017 16:15	9.83	260.2	12.34	9.58	29.42	0
5/16/2017 16:30	10.98	250.3	7.946	9.3	29.42	0
5/16/2017 16:45	8.92	251.9	7.851	9.01	29.42	0
5/16/2017 17:00	7.639	257.6	9.16	8.91	29.46	0
5/16/2017 17:15	8.85	243.9	8.89	8.76	29.46	0
5/16/2017 17:30	8.49	248.2	7.749	8.47	29.46	0
5/16/2017 17:45	6.126	241.4	11.01	8.33	29.46	0
5/16/2017 18:00	5.76	245.7	12.91	8.14	29.48	0
5/16/2017 18:15	4.987	277	22.74	7.835	29.48	0.03
5/16/2017 18:30	1.253	303.1	69.24	7.828	29.48	0
5/16/2017 18:45	0.854	77.76	12.99	7.503	29.48	0
5/16/2017 19:00	0.755	70.41	14.27	7.372	29.51	0
5/16/2017 19:15	5.4	192	14.79	7.427	29.51	0
5/16/2017 19:30	6.571	200.4	9.82	7.34	29.51	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
5/16/2017 19:45	7.096	196.5	7.008	7.076	29.51	0.01
5/16/2017 20:00	5.818	168.7	21.11	6.847	29.55	0.02
5/16/2017 20:15	6.062	148	9.97	6.662	29.55	0.01
5/16/2017 20:30	5.471	156	8.83	6.558	29.55	0.02
5/16/2017 20:45	5.728	158.9	7.778	6.478	29.55	0.01
5/16/2017 21:00	4.646	141.8	12	6.437	29.6	0.01
5/16/2017 21:15	5.503	145.4	8.25	6.372	29.6	0.01
5/16/2017 21:30	4.679	122.9	12.61	6.306	29.6	0.02
5/16/2017 21:45	4.648	121	7.28	6.225	29.6	0.01
5/16/2017 22:00	5.443	115.9	10.22	6.184	29.62	0.01
5/16/2017 22:15	5.043	112.3	11.95	6.103	29.62	0
5/16/2017 22:30	5.354	128.9	7.715	6.075	29.62	0.01
5/16/2017 22:45	6.004	132.7	9.74	6.133	29.62	0
5/16/2017 23:00	6.051	125.1	9.53	6.116	29.64	0
5/16/2017 23:15	6.149	129.8	10.05	6.065	29.64	0
5/16/2017 23:30	5.915	130.7	8.41	6.073	29.64	0
5/16/2017 23:45	6.233	140.5	8.17	6.055	29.64	0
5/17/2017 0:00	6.972	138.8	7.844	5.986	29.66	0
5/17/2017 0:15	7.275	137.1	7.844	5.953	29.66	0
5/17/2017 0:30	7.139	133	8.47	5.895	29.66	0
5/17/2017 0:45	6.01	137.2	10.96	5.792	29.66	0
5/17/2017 1:00	7.88	127	8.8	5.788	29.69	0
5/17/2017 1:15	7.506	115.1	7.857	5.672	29.69	0
5/17/2017 1:30	7.749	120.4	7.888	5.79	29.69	0
5/17/2017 1:45	7.133	126.3	9.1	5.995	29.69	0
5/17/2017 2:00	6.66	133.1	8.78	6.196	29.72	0
5/17/2017 2:15	4.725	122.1	8.47	6.283	29.72	0
5/17/2017 2:30	5.218	110.6	6.007	6.208	29.72	0
5/17/2017 2:45	4.916	109.7	4.609	6.054	29.72	0
5/17/2017 3:00	5.013	118.3	8.07	6.5	29.75	0
5/17/2017 3:15	4.51	119	6.676	6.686	29.75	0
5/17/2017 3:30	4.146	116.1	6.866	6.7	29.75	0
5/17/2017 3:45	3.811	105.1	6.076	6.556	29.75	0
5/17/2017 4:00	5.112	109.7	6.178	6.474	29.76	0
5/17/2017 4:15	5.845	116.4	6.519	6.601	29.76	0
5/17/2017 4:30	5.529	117.4	7.091	6.634	29.76	0
5/17/2017 4:45	5.526	117.4	6.717	6.663	29.76	0
5/17/2017 5:00	5.251	120.4	7.339	6.8	29.79	0
5/17/2017 5:15	4.814	125.2	9.62	6.888	29.79	0
5/17/2017 5:30	4.249	131.7	10.97	7.082	29.79	0
5/17/2017 5:45	3.151	95.5	13.62	7.038	29.79	0
5/17/2017 6:00	3.044	101.8	10.41	7.049	29.81	0
5/17/2017 6:15	2.452	105.7	7.375	7.273	29.81	0
5/17/2017 6:30	3.201	111	8.23	7.411	29.81	0
5/17/2017 6:45	3.452	123.7	8.7	7.622	29.81	0
5/17/2017 7:00	2.68	110.6	9.41	7.744	29.85	0
5/17/2017 7:15	3.204	104.9	7.524	7.65	29.85	0
5/17/2017 7:30	3.551	127.9	6.606	7.905	29.85	0
5/17/2017 7:45	4.32	140.3	7.363	8.15	29.85	0
5/17/2017 8:00	5.366	150.3	7.232	8.24	29.87	0
5/17/2017 8:15	5.48	154.3	9.16	8.33	29.87	0
5/17/2017 8:30	4.562	148.9	12.29	8.25	29.87	0
5/17/2017 8:45	4.759	143	13.62	8.34	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
5/17/2017 9:00	4.202	137.1	15.47	8.35	29.91	0
5/17/2017 9:15	3.969	153.7	14.99	8.45	29.91	0
5/17/2017 9:30	4.001	168.8	27.79	8.48	29.91	0
5/17/2017 9:45	2.98	156.1	30.03	8.63	29.91	0
5/17/2017 10:00	2.37	115	16.11	9.11	29.94	0
5/17/2017 10:15	4.061	103.2	15.18	8.91	29.94	0
5/17/2017 10:30	3.952	87.5	15.31	9	29.94	0
5/17/2017 10:45	5.009	89.7	13.11	9.09	29.94	0
5/17/2017 11:00	5.176	104	17.75	9.34	29.96	0
5/17/2017 11:15	4.038	114.7	8.4	9.86	29.96	0
5/17/2017 11:30	1.878	121.6	22.44	10.41	29.96	0
5/17/2017 11:45	2.703	118.7	20.82	10.75	29.96	0
5/17/2017 12:00	4.146	132.6	14.03	11.22	29.99	0
5/17/2017 12:15	2.196	128.2	25.02	11.82	29.99	0
5/17/2017 12:30	1.442	137.3	47.2	11.87	29.99	0
5/17/2017 12:45	2.452	221.5	20.6	11.52	29.99	0
5/17/2017 13:00	3.851	233	24.52	11.63	29.99	0
5/17/2017 13:15	5.833	192.3	14.77	11.47	29.99	0
5/17/2017 13:30	6.419	170.4	13.68	11.47	29.99	0
5/17/2017 13:45	6.779	144	14.14	11.25	29.99	0
5/17/2017 14:00	6.747	140.9	11.39	11.38	29.99	0
5/17/2017 14:15	6.189	140.9	16.02	11.71	29.99	0
5/17/2017 14:30	5.626	166.8	13.88	12.28	29.99	0
5/17/2017 14:45	4.008	155.7	19.63	12.41	29.99	0
5/17/2017 15:00	4.533	160.3	25.65	12.37	30.01	0
5/17/2017 15:15	3.932	171.7	30.79	12.07	30.01	0
5/17/2017 15:30	2.941	117.4	39.3	11.76	30.01	0
5/17/2017 15:45	0.686	96.9	49.21	11.8	30.01	0
5/17/2017 16:00	1.784	161.2	42.09	11.95	30	0
5/17/2017 16:15	0.5	355.8	34.48	11.79	30	0
5/17/2017 16:30	0.044	4.816	0.051	11.5	30	0
5/17/2017 16:45	0.145	12.38	5.548	11.49	30	0
5/17/2017 17:00	1.332	32.8	0.17	11.42	30	0
5/17/2017 17:15	0.735	32.47	0.247	11.51	30	0
5/17/2017 17:30	0.9	44.16	13.49	11.54	30	0
5/17/2017 17:45	3.097	90.1	11.33	11.53	30	0
5/17/2017 18:00	3.734	115.5	10.95	11.56	30	0
5/17/2017 18:15	4.256	118.6	4.784	11.49	30	0
5/17/2017 18:30	3.44	117.3	7.176	11.4	30	0
5/17/2017 18:45	1.504	116.9	1.334	11.29	30	0
5/17/2017 19:00	1.076	117.3	0.857	11.18	30	0
5/17/2017 19:15	2.194	166.9	19.61	11.13	30	0
5/17/2017 19:30	4.378	142.2	7.122	10.92	30	0
5/17/2017 19:45	3.942	141.8	7.347	10.82	30	0
5/17/2017 20:00	3.147	135.9	9.11	10.75	30	0
5/17/2017 20:15	3.196	136	7.514	10.66	30	0
5/17/2017 20:30	1.971	155	25.99	10.61	30	0
5/17/2017 20:45	2.231	181.2	23.58	10.71	30	0
5/17/2017 21:00	2.441	186.5	13.62	10.63	30.01	0
5/17/2017 21:15	3.107	199.3	8.99	10.62	30.01	0
5/17/2017 21:30	1.533	189.4	9.46	10.57	30.01	0
5/17/2017 21:45	0.717	193.8	1.891	10.45	30.01	0
5/17/2017 22:00	1.466	178.7	18.92	10.35	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
5/17/2017 22:15	1.559	215.5	17.81	10.43	30	0
5/17/2017 22:30	1.237	210.3	30.09	10.36	30	0
5/17/2017 22:45	1.402	168.7	4.667	10.18	30	0
5/17/2017 23:00	1.321	169.9	5.246	10.13	30	0
5/17/2017 23:15	2.249	202.5	12.17	10.2	30	0
5/17/2017 23:30	3.207	235.2	11.05	10.21	30	0
5/17/2017 23:45	3.205	237.2	4.548	10.21	30	0
5/18/2017 0:00	2.683	223.5	14.64	10.16	30	0
5/18/2017 0:15	1.305	196.1	13.69	9.97	30	0
5/18/2017 0:30	2.341	195.5	25.45	9.86	30	0
5/18/2017 0:45	2.784	212.1	12.03	9.91	30	0
5/18/2017 1:00	1.601	200.4	23.55	9.76	29.99	0
5/18/2017 1:15	1.899	160.9	18.41	9.64	29.99	0
5/18/2017 1:30	3.629	195.7	6.819	9.75	29.99	0
5/18/2017 1:45	3.595	198.8	5.644	9.63	29.99	0
5/18/2017 2:00	2.177	225.1	11.03	9.69	29.99	0
5/18/2017 2:15	0.776	180.8	57.97	9.49	29.99	0
5/18/2017 2:30	0.691	143.7	26.51	9.49	29.99	0
5/18/2017 2:45	1.351	168.3	22.37	9.44	29.99	0
5/18/2017 3:00	0.293	153.9	0.7	9.44	29.98	0
5/18/2017 3:15	1.23	178.5	20.2	9.45	29.98	0
5/18/2017 3:30	1.459	206.2	7.803	9.41	29.98	0
5/18/2017 3:45	2.009	215.7	1.337	9.3	29.98	0
5/18/2017 4:00	2.227	230.9	10.2	9.22	29.97	0
5/18/2017 4:15	2.908	243.1	5.167	9.22	29.97	0
5/18/2017 4:30	2.579	233.4	1.56	9.21	29.97	0
5/18/2017 4:45	2.183	233.4	1.323	9.13	29.97	0
5/18/2017 5:00	0.237	194.2	23.34	8.86	29.97	0
5/18/2017 5:15	1.899	155.8	24.58	8.74	29.97	0
5/18/2017 5:30	3.293	197.9	5.177	8.93	29.97	0
5/18/2017 5:45	3.479	199.1	6.409	8.86	29.97	0
5/18/2017 6:00	3.82	193.9	5.091	8.88	29.99	0
5/18/2017 6:15	3.168	179.1	11.88	8.89	29.99	0
5/18/2017 6:30	2.169	157.4	14.27	8.97	29.99	0
5/18/2017 6:45	2.252	149.8	6.791	9.11	29.99	0
5/18/2017 7:00	1.914	153.8	15.32	9.18	30	0
5/18/2017 7:15	1.842	147.5	26.78	9.41	30	0
5/18/2017 7:30	2.586	186.8	27.59	9.64	30	0
5/18/2017 7:45	3.338	169.5	21.99	10.1	30	0
5/18/2017 8:00	3.379	204.8	28.31	10.03	30	0
5/18/2017 8:15	2.941	195.1	24.55	10.84	30	0
5/18/2017 8:30	2.911	226.5	12.29	10.67	30	0
5/18/2017 8:45	2.754	223.6	12.28	10.88	30	0
5/18/2017 9:00	1.529	245.4	45.5	11.2	30.02	0
5/18/2017 9:15	1.522	273.8	46.56	11.43	30.02	0
5/18/2017 9:30	1.494	135.2	42.29	11.54	30.02	0
5/18/2017 9:45	0.894	93.3	36.71	11.91	30.02	0
5/18/2017 10:00	1.675	191.1	33.82	12.24	30.01	0
5/18/2017 10:15	1.083	336.5	40.8	12.52	30.01	0
5/18/2017 10:30	1.339	326.9	51.83	12.59	30.01	0
5/18/2017 10:45	0.27	312.1	55.72	13.23	30.01	0
5/18/2017 11:00	1.856	313.2	54.69	13.08	30.01	0
5/18/2017 11:15	2.666	50.78	58	13.15	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
5/18/2017 11:30	3.526	40.47	26.19	13.28	30.01	0
5/18/2017 11:45	2.428	323.5	35.91	13.54	30.01	0
5/18/2017 12:00	1.144	26.62	35.58	13.86	30.01	0
5/18/2017 12:15	2.885	304.3	54.62	14.28	30.01	0
5/18/2017 12:30	3.576	332.4	24.63	14.49	30.01	0
5/18/2017 12:45	2.252	294.1	45.43	15.17	30.01	0
5/18/2017 13:00	3.042	321.5	24.1	15.06	29.99	0
5/18/2017 13:15	2.184	6.346	22.13	15.16	29.99	0
5/18/2017 13:30	3.489	273.2	54.56	16.02	29.99	0
5/18/2017 13:45	3.49	297.2	45.25	16.04	29.99	0
5/18/2017 14:00	2.191	317.6	55.04	16.12	29.97	0
5/18/2017 14:15	3.258	358	17.24	15.95	29.97	0
5/18/2017 14:30	1.347	2.776	44.21	16.21	29.97	0
5/18/2017 14:45	1.842	343	35.54	16.44	29.97	0
5/18/2017 15:00	5.215	274.3	24.37	16.71	29.96	0
5/18/2017 15:15	4.179	280	28.09	17.05	29.96	0
5/18/2017 15:30	2.398	344.8	41.85	17.04	29.96	0
5/18/2017 15:45	3.519	263.4	43.05	17.27	29.96	0
5/18/2017 16:00	2.395	358.1	14.21	17.06	29.95	0
5/18/2017 16:15	6.061	321.6	18.63	17.26	29.95	0
5/18/2017 16:30	6.959	305	8.98	16.95	29.95	0
5/18/2017 16:45	5.623	310.8	13.34	16.65	29.95	0
5/18/2017 17:00	6.154	311.8	14.23	16.79	29.92	0
5/18/2017 17:15	6.947	322.3	10.03	16.2	29.92	0
5/18/2017 17:30	6.43	316.6	8.75	15.9	29.92	0
5/18/2017 17:45	6.482	311.4	4.542	15.73	29.92	0
5/18/2017 18:00	6.452	304.2	6.089	15.53	29.9	0
5/18/2017 18:15	5.33	313.7	3.854	15.4	29.9	0
5/18/2017 18:30	4.78	307.7	5.684	15.33	29.9	0
5/18/2017 18:45	5.068	317.3	5.895	15.05	29.9	0
5/18/2017 19:00	3.608	325.1	7.791	15.01	29.9	0
5/18/2017 19:15	3.36	317.8	6.985	14.97	29.9	0
5/18/2017 19:30	2.728	323.8	2.706	14.96	29.9	0
5/18/2017 19:45	2.726	308.8	5.538	14.65	29.9	0
5/18/2017 20:00	2.094	346.6	22.56	14.22	29.9	0
5/18/2017 20:15	1.651	4.862	0.367	14.05	29.9	0
5/18/2017 20:30	1.927	14.65	15.45	13.86	29.9	0
5/18/2017 20:45	2.633	50.53	1.863	13.25	29.9	0
5/18/2017 21:00	2.522	56.37	3.727	13.13	29.89	0
5/18/2017 21:15	1.187	62.96	0.042	12.88	29.89	0
5/18/2017 21:30	2.005	62.96	0.14	12.99	29.89	0
5/18/2017 21:45	2.921	63.64	0.883	12.87	29.89	0
5/18/2017 22:00	1.956	64.44	0.42	12.76	29.9	0
5/18/2017 22:15	2.484	64.91	1.942	12.8	29.9	0
5/18/2017 22:30	2.444	60.46	0.668	12.42	29.9	0
5/18/2017 22:45	2.596	55.54	4.172	12.19	29.9	0
5/18/2017 23:00	2.117	51.43	0.637	12.22	29.91	0
5/18/2017 23:15	1.587	53.04	3.227	11.63	29.91	0
5/18/2017 23:30	2.441	56.97	0.666	11.66	29.91	0
5/18/2017 23:45	2.28	56.49	0.42	11.36	29.91	0
5/19/2017 0:00	1.656	58.83	5.207	10.59	29.9	0
5/19/2017 0:15	3.388	101.7	3.346	10.58	29.9	0
5/19/2017 0:30	3.579	93.8	2.024	10.77	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
5/19/2017 0:45	3.254	83.2	6.128	11.42	29.9	0
5/19/2017 1:00	2.181	55.73	8.22	11.72	29.91	0
5/19/2017 1:15	3.258	53.7	1.439	11.28	29.91	0
5/19/2017 1:30	2.339	54.35	0.56	11.31	29.91	0
5/19/2017 1:45	2.633	40.25	7.412	11	29.91	0
5/19/2017 2:00	3.021	18.7	12.61	10.46	29.9	0
5/19/2017 2:15	3.167	347.7	0.518	10.53	29.9	0
5/19/2017 2:30	2.017	356.9	9	10.41	29.9	0
5/19/2017 2:45	2.746	15.79	6.103	10.04	29.9	0
5/19/2017 3:00	3.097	31.84	1.035	9.77	29.89	0
5/19/2017 3:15	3.442	26.17	3.678	9.37	29.89	0
5/19/2017 3:30	4.129	26.78	2.75	9.2	29.89	0
5/19/2017 3:45	3.471	32.35	0.816	9.06	29.89	0
5/19/2017 4:00	1.126	33.15	0.116	9.43	29.88	0
5/19/2017 4:15	0.688	33.16	0.044	9.3	29.88	0
5/19/2017 4:30	0.083	34.98	0.282	9.18	29.88	0
5/19/2017 4:45	1.64	141.4	33.75	9.95	29.88	0
5/19/2017 5:00	2.496	159	5.886	10.06	29.89	0
5/19/2017 5:15	2.791	143.7	9.19	10.15	29.89	0
5/19/2017 5:30	1.678	132.4	4.862	10.25	29.89	0
5/19/2017 5:45	2.793	137.9	9.78	10.13	29.89	0
5/19/2017 6:00	3.29	144.3	4.12	10.78	29.9	0
5/19/2017 6:15	2.055	126.8	13.37	11.42	29.9	0
5/19/2017 6:30	1.152	105.9	0.305	11.61	29.9	0
5/19/2017 6:45	0.702	154.7	26.1	12.57	29.9	0
5/19/2017 7:00	2.018	193.1	23.01	13.04	29.93	0
5/19/2017 7:15	2.934	207	12.2	13.47	29.93	0
5/19/2017 7:30	2.3	211.8	19.42	13.76	29.93	0
5/19/2017 7:45	3.256	204	15.58	13.98	29.93	0
5/19/2017 8:00	4.036	226.2	12.42	14.17	29.93	0
5/19/2017 8:15	3.539	237.4	11.1	14.5	29.93	0
5/19/2017 8:30	1.949	251.8	19.75	14.83	29.93	0
5/19/2017 8:45	1.105	243.8	53.3	15.52	29.93	0
5/19/2017 9:00	1.879	278.3	25.22	15.73	29.93	0
5/19/2017 9:15	3.037	287	24.19	16.29	29.93	0
5/19/2017 9:30	4.024	284.4	17.75	16.54	29.93	0
5/19/2017 9:45	4.419	278.6	29.34	17.23	29.93	0
5/19/2017 10:00	5.024	296.1	19.3	17.53	29.91	0
5/19/2017 10:15	4.715	280.4	24.21	17.57	29.91	0
5/19/2017 10:30	5.681	307.1	36.72	18.01	29.91	0
5/19/2017 10:45	5.739	259.1	19	18.22	29.91	0
5/19/2017 11:00	5.716	284.5	20.48	18.53	29.9	0
5/19/2017 11:15	5.779	280.9	16.56	18.88	29.9	0
5/19/2017 11:30	8.14	269.2	18.44	19.06	29.9	0
5/19/2017 11:45	6.342	262.8	21.64	18.86	29.9	0
5/19/2017 12:00	5.971	307.6	25.26	19.36	29.9	0
5/19/2017 12:15	5.646	264.1	29.99	19.29	29.9	0
5/19/2017 12:30	6.208	217.2	19.37	19.65	29.9	0
5/19/2017 12:45	6.674	245.6	26	19.83	29.9	0
5/19/2017 13:00	5.102	248.6	28.93	19.74	29.89	0
5/19/2017 13:15	7.236	252.4	31.33	19.94	29.89	0
5/19/2017 13:30	6.412	244.7	25.22	20.09	29.89	0
5/19/2017 13:45	6.296	252.9	40.47	20.23	29.89	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
5/19/2017 14:00	5.019	306.3	38.21	20.33	29.89	0
5/19/2017 14:15	6.859	311.4	41.66	20.37	29.89	0
5/19/2017 14:30	6.882	268.7	24.65	20.42	29.89	0
5/19/2017 14:45	9.56	272.3	17.02	20.67	29.89	0
5/19/2017 15:00	9.17	288.9	16.66	20.24	29.87	0
5/19/2017 15:15	8.37	297.6	20.22	20.11	29.87	0
5/19/2017 15:30	7.494	274.7	26.4	20.65	29.87	0
5/19/2017 15:45	8.88	263.3	20.34	20.3	29.87	0
5/19/2017 16:00	7.907	289	12.79	20.38	29.88	0
5/19/2017 16:15	9.05	285.6	12.64	20.49	29.88	0
5/19/2017 16:30	6.87	293.9	14.92	20.49	29.88	0
5/19/2017 16:45	7.989	280.5	12.81	20.66	29.88	0
5/19/2017 17:00	8.17	275.8	12.21	20.35	29.86	0
5/19/2017 17:15	6.871	278.8	8.35	19.94	29.86	0
5/19/2017 17:30	4.312	255.1	17.01	19.77	29.86	0
5/19/2017 17:45	7.663	258.1	14.44	19.57	29.86	0
5/19/2017 18:00	7.72	253.2	7.001	19.28	29.85	0
5/19/2017 18:15	7.401	253.3	7.316	19.11	29.85	0
5/19/2017 18:30	6.606	255.9	8.59	18.89	29.85	0
5/19/2017 18:45	6.086	254.5	7.318	18.65	29.85	0
5/19/2017 19:00	6.36	256.8	6.592	18.38	29.86	0
5/19/2017 19:15	7.2	256.5	8.53	18.22	29.86	0
5/19/2017 19:30	6.873	285	16.72	17.94	29.86	0
5/19/2017 19:45	6.725	310.8	3.784	17.29	29.86	0
5/19/2017 20:00	5.123	317.6	6.101	16.93	29.87	0
5/19/2017 20:15	4.445	319.7	11.35	16.81	29.87	0
5/19/2017 20:30	3.123	298.2	7.717	16.82	29.87	0
5/19/2017 20:45	2.475	309.9	32.28	16.38	29.87	0
5/19/2017 21:00	2.703	17.8	10.6	16.09	29.88	0
5/19/2017 21:15	4.744	32.26	12.58	15.7	29.88	0
5/19/2017 21:30	7.714	30.38	8.05	15.51	29.88	0
5/19/2017 21:45	5.885	27.71	7.679	15.32	29.88	0
5/19/2017 22:00	6.142	28.96	6.752	14.97	29.87	0
5/19/2017 22:15	7.701	30.55	6.341	14.72	29.87	0
5/19/2017 22:30	6.25	23.39	11.34	14.42	29.87	0
5/19/2017 22:45	5.656	18.89	13.21	14.19	29.87	0
5/19/2017 23:00	9.93	20.98	7.151	14.4	29.88	0
5/19/2017 23:15	10.35	21.7	9.71	14.25	29.88	0
5/19/2017 23:30	10.24	20.16	11.52	14.03	29.88	0
5/19/2017 23:45	10.35	21.53	12.33	13.83	29.88	0
5/20/2017 0:00	8.06	23.46	12.33	13.78	29.88	0
5/20/2017 0:15	11.1	23.18	14.55	13.79	29.88	0
5/20/2017 0:30	9.41	25.32	9.07	13.64	29.88	0
5/20/2017 0:45	8.81	23.11	13.38	13.54	29.88	0
5/20/2017 1:00	7.311	27.84	13.32	13.28	29.89	0
5/20/2017 1:15	7.678	30.84	15.94	13.2	29.89	0
5/20/2017 1:30	8.89	42.3	11.05	13.18	29.89	0
5/20/2017 1:45	7.217	46.45	8.71	13.14	29.89	0
5/20/2017 2:00	4.918	43.53	15.09	13.02	29.9	0
5/20/2017 2:15	4.06	46.41	11.73	12.96	29.9	0
5/20/2017 2:30	3.893	49.34	7.396	12.93	29.9	0
5/20/2017 2:45	4.184	32.75	10.8	12.71	29.9	0
5/20/2017 3:00	2.587	344.6	19.15	12.75	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
5/20/2017 3:15	2.748	192.1	8.03	12.63	29.91	0
5/20/2017 3:30	3.427	211.4	14.15	12.53	29.91	0
5/20/2017 3:45	3.505	254.3	9.5	12.46	29.91	0
5/20/2017 4:00	2.708	279.4	7.407	12.37	29.93	0
5/20/2017 4:15	2.575	320.2	24.57	12.07	29.93	0
5/20/2017 4:30	2.549	22.45	9.81	11.89	29.93	0
5/20/2017 4:45	3.073	5.898	16.31	11.69	29.93	0
5/20/2017 5:00	2.255	1.473	13.81	11.87	29.94	0
5/20/2017 5:15	0.764	2.514	3.193	12.01	29.94	0
5/20/2017 5:30	0.658	18.85	3.904	12.53	29.94	0
5/20/2017 5:45	0.923	290.5	55.79	13.11	29.94	0
5/20/2017 6:00	2.308	105.4	34.75	12.31	29.97	0
5/20/2017 6:15	0.974	69.39	6.112	12.45	29.97	0
5/20/2017 6:30	1.647	36.8	18.4	12.55	29.97	0
5/20/2017 6:45	0.836	7.845	3.266	13.06	29.97	0
5/20/2017 7:00	2.351	22.11	12.29	12.49	29.98	0
5/20/2017 7:15	1.629	34.14	17.15	12.82	29.98	0
5/20/2017 7:30	2.353	49.72	14.38	13.31	29.98	0
5/20/2017 7:45	1.592	26.22	26.17	14.05	29.98	0
5/20/2017 8:00	3.856	39.36	28.83	14.47	29.99	0
5/20/2017 8:15	3.74	10.92	30.88	14.51	29.99	0
5/20/2017 8:30	6.001	329.4	13.43	15.02	29.99	0
5/20/2017 8:45	8	346.7	14.88	14.89	29.99	0
5/20/2017 9:00	10.77	352.4	14.9	14.52	29.99	0
5/20/2017 9:15	10.47	351.3	15.65	15.02	29.99	0
5/20/2017 9:30	9.49	339.7	14.1	15.29	29.99	0
5/20/2017 9:45	9.54	347.6	10	15.7	29.99	0
5/20/2017 10:00	6.712	342.1	23.2	16.37	29.99	0
5/20/2017 10:15	5.144	329.6	22.36	17.04	29.99	0
5/20/2017 10:30	7.214	337.8	16	17.21	29.99	0
5/20/2017 10:45	6.655	22.09	31.33	17.47	29.99	0
5/20/2017 11:00	7.033	341.7	30.94	17.57	30	0
5/20/2017 11:15	4.481	28.35	28.8	18.01	30	0
5/20/2017 11:30	5.471	5.039	43.17	18.42	30	0
5/20/2017 11:45	6.083	350.5	29.18	18.68	30	0
5/20/2017 12:00	6.702	13.7	40.06	18.8	30	0
5/20/2017 12:15	7.746	353.4	32.49	18.92	30	0
5/20/2017 12:30	8.45	359.6	22.96	19.28	30	0
5/20/2017 12:45	7.934	19.22	21.29	19.21	30	0
5/20/2017 13:00	6.6	3.523	27.75	19.47	29.99	0
5/20/2017 13:15	7.196	28.1	27.31	19.54	29.99	0
5/20/2017 13:30	7.562	303.3	15.17	19.8	29.99	0
5/20/2017 13:45	5.662	333.9	42.98	19.81	29.99	0
5/20/2017 14:00	6.713	340.5	33.28	20.49	29.97	0
5/20/2017 14:15	5.857	7.371	34.1	20.74	29.97	0
5/20/2017 14:30	9.42	331.4	24.81	21.07	29.97	0
5/20/2017 14:45	7.458	17.07	26.51	20.64	29.97	0
5/20/2017 15:00	8.86	320.6	13.05	21.37	29.97	0
5/20/2017 15:15	8.52	314	17.12	21.48	29.97	0
5/20/2017 15:30	7.31	321.9	19.27	21.58	29.97	0
5/20/2017 15:45	8.45	331.3	19.26	21.61	29.97	0
5/20/2017 16:00	8.96	328.8	19.13	21.42	29.97	0
5/20/2017 16:15	9.46	313.8	22.64	21.53	29.97	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
5/20/2017 16:30	8.33	303.8	15.01	21.65	29.97	0
5/20/2017 16:45	9.11	331.7	25.28	21.55	29.97	0
5/20/2017 17:00	7.486	335.4	18.49	21.42	29.96	0
5/20/2017 17:15	10.65	340.9	10.44	21.08	29.96	0
5/20/2017 17:30	11.09	348.2	15.83	20.7	29.96	0
5/20/2017 17:45	9.77	342	15.04	20.59	29.96	0
5/20/2017 18:00	11.38	340.2	14.02	20.32	29.96	0
5/20/2017 18:15	12.42	343.6	6.942	20.04	29.96	0
5/20/2017 18:30	9.91	354.2	14.71	19.87	29.96	0
5/20/2017 18:45	9.88	2.691	17	19.38	29.96	0
5/20/2017 19:00	8.13	352	17.4	19.25	29.96	0
5/20/2017 19:15	7.064	331.6	11.69	18.82	29.96	0
5/20/2017 19:30	6.049	313.2	11.2	18.4	29.96	0
5/20/2017 19:45	4.142	325.5	13.26	18.15	29.96	0
5/20/2017 20:00	1.063	343.9	18.5	17.83	29.97	0
5/20/2017 20:15	3.611	48.23	10.32	17.13	29.97	0
5/20/2017 20:30	3.824	40.03	10.83	17.14	29.97	0
5/20/2017 20:45	1.958	33.97	14.99	17.08	29.97	0
5/20/2017 21:00	3.553	48.7	10.15	16.4	29.98	0
5/20/2017 21:15	6.088	24.54	12.67	16.74	29.98	0
5/20/2017 21:30	5.825	17.33	13.79	16.7	29.98	0
5/20/2017 21:45	3.987	23.63	21.1	15.95	29.98	0
5/20/2017 22:00	5.575	19.99	12.96	14.97	30	0
5/20/2017 22:15	8.19	27.65	7.193	14.57	30	0
5/20/2017 22:30	6.246	32.41	7.827	14.14	30	0
5/20/2017 22:45	8.81	28.05	10.3	14.22	30	0
5/20/2017 23:00	12.24	19.16	9.75	14.77	30.01	0
5/20/2017 23:15	9.94	19.21	8.27	14.57	30.01	0
5/20/2017 23:30	10.22	22.9	6.53	14.29	30.01	0
5/20/2017 23:45	8.22	28.46	8.76	14.56	30.01	0
5/21/2017 0:00	8.76	40.01	10.72	14.42	30.03	0
5/21/2017 0:15	8.1	40.14	12.01	14.41	30.03	0
5/21/2017 0:30	9.15	43.76	11.93	14.73	30.03	0
5/21/2017 0:45	9.77	40.1	9.72	14.36	30.03	0
5/21/2017 1:00	3.19	60.29	9.33	13.1	30.03	0
5/21/2017 1:15	3.839	89.6	14.07	12.89	30.03	0
5/21/2017 1:30	1.783	84.3	5.725	12.77	30.03	0
5/21/2017 1:45	0.713	44.94	5.676	13.59	30.03	0
5/21/2017 2:00	2.461	56.68	11.5	12.52	30.03	0
5/21/2017 2:15	3.86	58.58	4.491	12.72	30.03	0
5/21/2017 2:30	3.901	52.07	6.242	12.21	30.03	0
5/21/2017 2:45	2.568	41.3	13.8	12.04	30.03	0
5/21/2017 3:00	3.423	67.86	16.69	11.89	30.02	0
5/21/2017 3:15	3.069	77.88	5.53	11.5	30.02	0
5/21/2017 3:30	2.783	91.9	8.11	11.94	30.02	0
5/21/2017 3:45	1.065	122.1	28.44	12.07	30.02	0
5/21/2017 4:00	1.091	123.2	42.37	11.61	30.02	0
5/21/2017 4:15	0.733	84.9	0.077	11.48	30.02	0
5/21/2017 4:30	0.78	84.8	0.092	11.72	30.02	0
5/21/2017 4:45	1.261	5.759	43.32	11.61	30.02	0
5/21/2017 5:00	2.429	347	19.59	11.23	30.03	0
5/21/2017 5:15	3.144	6.522	1.956	11.07	30.03	0
5/21/2017 5:30	1.498	16.67	0.875	11.41	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
5/21/2017 5:45	0.376	16.89	0.093	12.18	30.03	0
5/21/2017 6:00	0.047	16.92	0.021	12.87	30.03	0
5/21/2017 6:15	0.058	14.91	0.354	13.61	30.03	0
5/21/2017 6:30	0.34	9.78	13.04	14.63	30.03	0
5/21/2017 6:45	1.09	11.25	19.01	14.65	30.03	0
5/21/2017 7:00	2.172	15.25	30.76	14.94	30.04	0
5/21/2017 7:15	1.971	50.2	14.79	14.79	30.04	0
5/21/2017 7:30	1.674	330.2	27.52	15.55	30.04	0
5/21/2017 7:45	2.504	338	17.48	16.25	30.04	0
5/21/2017 8:00	2.943	8.02	20.18	16.53	30.04	0
5/21/2017 8:15	2.89	1.491	31.81	16.53	30.04	0
5/21/2017 8:30	3.802	1.048	20.42	17.2	30.04	0
5/21/2017 8:45	2.846	4.091	18.64	17.58	30.04	0
5/21/2017 9:00	3.413	35.24	26.44	17.91	30.04	0
5/21/2017 9:15	3.349	39.71	21.07	18.02	30.04	0
5/21/2017 9:30	3.88	53.97	15.85	18.71	30.04	0
5/21/2017 9:45	4.963	36.3	35.71	19.18	30.04	0
5/21/2017 10:00	4.926	39.21	11.72	19.7	30.03	0
5/21/2017 10:15	8.25	37.76	13.38	20.14	30.03	0
5/21/2017 10:30	5.695	8.75	30.07	21.23	30.03	0
5/21/2017 10:45	11.04	34.61	9.39	20.58	30.03	0
5/21/2017 11:00	11.68	34.31	10.13	20.76	30.02	0
5/21/2017 11:15	11.17	37.16	10.5	20.94	30.02	0
5/21/2017 11:30	10.21	33.15	9.72	21.36	30.02	0
5/21/2017 11:45	10.71	35.97	10.42	21.65	30.02	0
5/21/2017 12:00	9.2	32.38	9.65	22.24	30.01	0
5/21/2017 12:15	5.348	355.3	33.59	23.32	30.01	0
5/21/2017 12:30	7.09	351.2	34.09	23.87	30.01	0
5/21/2017 12:45	5.828	356.8	36.24	24.2	30.01	0
5/21/2017 13:00	7.399	356.2	28.93	24.53	30.02	0
5/21/2017 13:15	9.06	342.9	22.41	24.51	30.02	0
5/21/2017 13:30	7.85	341.6	32.97	24.83	30.02	0
5/21/2017 13:45	9.29	328	17.68	25.1	30.02	0
5/21/2017 14:00	8.13	324.1	11.56	25.2	30.01	0
5/21/2017 14:15	7.181	320.6	15.23	25.68	30.01	0
5/21/2017 14:30	6.517	355.5	30.79	25.12	30.01	0
5/21/2017 14:45	7.913	342.4	25.37	25.54	30.01	0
5/21/2017 15:00	6.918	338.2	31.73	25.36	29.99	0
5/21/2017 15:15	7.809	323.2	14.62	25.75	29.99	0
5/21/2017 15:30	8.63	311.9	11.87	25.86	29.99	0
5/21/2017 15:45	9.42	317.8	8.67	25.85	29.99	0
5/21/2017 16:00	8.91	321.7	11.59	25.98	29.98	0
5/21/2017 16:15	8.69	323.7	7.725	25.86	29.98	0
5/21/2017 16:30	9.09	323.8	8.33	25.46	29.98	0
5/21/2017 16:45	8.43	324.9	9.06	25.39	29.98	0
5/21/2017 17:00	7.196	323.7	8.85	25.29	29.97	0
5/21/2017 17:15	7.375	332.3	7.852	25.27	29.97	0
5/21/2017 17:30	6.954	326.5	10.03	25.27	29.97	0
5/21/2017 17:45	6.487	320.8	12.68	25.08	29.97	0
5/21/2017 18:00	6.304	331.7	13.82	24.49	29.96	0
5/21/2017 18:15	5.229	313.1	15.81	24.37	29.96	0
5/21/2017 18:30	6.046	313.7	12.85	23.77	29.96	0
5/21/2017 18:45	4.079	319.5	14.59	23.38	29.96	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
5/21/2017 19:00	4.202	340.3	25.78	22.82	29.95	0
5/21/2017 19:15	3.72	2.563	33.44	22.28	29.95	0
5/21/2017 19:30	3.215	16.09	29.12	21.76	29.95	0
5/21/2017 19:45	3.424	27.6	30.36	20.94	29.95	0
5/21/2017 20:00	5.007	6.752	23.49	20.73	29.96	0
5/21/2017 20:15	7.711	3.227	26.11	20.04	29.96	0
5/21/2017 20:30	7.575	12.95	14.65	19.8	29.96	0
5/21/2017 20:45	6.556	35.55	19.08	19.14	29.96	0
5/21/2017 21:00	10	25.4	17.51	18.74	29.97	0
5/21/2017 21:15	10.68	15.83	11.17	18.5	29.97	0
5/21/2017 21:30	10.67	11.69	9.16	18.72	29.97	0
5/21/2017 21:45	8.13	22.54	7.595	18.62	29.97	0
5/21/2017 22:00	5.369	19.9	17.62	17.54	29.98	0
5/21/2017 22:15	2.722	341.9	26.22	17.13	29.98	0
5/21/2017 22:30	4.587	15.61	18.28	17.4	29.98	0
5/21/2017 22:45	8.8	19.51	5.484	16.54	29.98	0
5/21/2017 23:00	5.547	15.49	12.42	16.11	29.98	0
5/21/2017 23:15	5.492	14.28	9.19	16.31	29.98	0
5/21/2017 23:30	8.12	26.25	10.81	16.41	29.98	0
5/21/2017 23:45	7.5	36.41	7.088	15.73	29.98	0
5/22/2017 0:00	7.6	48.07	6.153	15.4	29.97	0
5/22/2017 0:15	5.532	65.98	16.18	15.69	29.97	0
5/22/2017 0:30	3.843	80.5	20.34	16.4	29.97	0
5/22/2017 0:45	3.343	35.08	10.47	16.48	29.97	0
5/22/2017 1:00	2.575	30.31	9	15.22	29.97	0
5/22/2017 1:15	0.516	65.72	6.045	14.77	29.97	0
5/22/2017 1:30	0.37	70.98	0.096	15.34	29.97	0
5/22/2017 1:45	1.141	259.9	37.65	15.98	29.97	0
5/22/2017 2:00	1.824	277.7	26.1	15.41	29.97	0
5/22/2017 2:15	2.588	347.3	3.85	15.13	29.97	0
5/22/2017 2:30	4.079	342.8	4.471	14.59	29.97	0
5/22/2017 2:45	4.167	350.5	18.33	14.14	29.97	0
5/22/2017 3:00	3.98	39.24	4.478	13.43	29.97	0
5/22/2017 3:15	4.776	35.98	5.778	13.04	29.97	0
5/22/2017 3:30	4.837	33.32	5.07	12.8	29.97	0
5/22/2017 3:45	4.249	35.91	3.219	13.3	29.97	0
5/22/2017 4:00	3.737	49.99	7.044	13.38	29.96	0
5/22/2017 4:15	2.733	50.49	3.909	13.75	29.96	0
5/22/2017 4:30	2.03	48.72	0.286	14.29	29.96	0
5/22/2017 4:45	2.048	32.47	15.46	13.78	29.96	0
5/22/2017 5:00	3.05	23.48	7.955	13.42	29.96	0
5/22/2017 5:15	2.555	34.98	2.502	13.73	29.96	0
5/22/2017 5:30	1.408	32.28	0.151	14.88	29.96	0
5/22/2017 5:45	1.755	32.12	0.351	14.73	29.96	0
5/22/2017 6:00	2.643	26.66	2.819	14.57	29.96	0
5/22/2017 6:15	2.533	27.07	1.498	14.85	29.96	0
5/22/2017 6:30	2.395	30.85	1.627	15.16	29.96	0
5/22/2017 6:45	1.906	24.84	7.069	15.97	29.96	0
5/22/2017 7:00	2.391	7.28	17.7	16.82	29.96	0
5/22/2017 7:15	1.732	5.895	18.02	17.2	29.96	0
5/22/2017 7:30	2.622	326.7	12.2	17.97	29.96	0
5/22/2017 7:45	2.947	340.8	18.35	18.39	29.96	0
5/22/2017 8:00	2.106	20.86	24.9	18.65	29.97	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
5/22/2017 8:15	2.085	46.28	7.136	18.99	29.97	0
5/22/2017 8:30	1.887	38.62	22.62	19.27	29.97	0
5/22/2017 8:45	2.134	258.1	28.57	20.21	29.97	0
5/22/2017 9:00	1.644	200.7	35.1	20.62	29.95	0
5/22/2017 9:15	1.523	222.3	37.34	21.47	29.95	0
5/22/2017 9:30	3.884	52.94	39.25	21.28	29.95	0
5/22/2017 9:45	4.188	34.96	12.66	21.48	29.95	0
5/22/2017 10:00	3.562	34.32	11.05	21.87	29.94	0
5/22/2017 10:15	2.847	357.8	27.99	22.92	29.94	0
5/22/2017 10:30	3.654	348.2	64.38	23.34	29.94	0
5/22/2017 10:45	6.179	15.54	31.75	23.18	29.94	0
5/22/2017 11:00	7.13	356.8	28.69	23.89	29.94	0
5/22/2017 11:15	7.532	11.53	17.93	23.32	29.94	0
5/22/2017 11:30	8.75	329.7	14.31	24.13	29.94	0
5/22/2017 11:45	8.51	341.1	22.06	24.29	29.94	0
5/22/2017 12:00	7.599	13.06	23.48	23.99	29.93	0
5/22/2017 12:15	7.343	6.671	13.94	24.24	29.93	0
5/22/2017 12:30	8.18	21.98	21.82	24.31	29.93	0
5/22/2017 12:45	8.61	32.05	10.57	24.61	29.93	0
5/22/2017 13:00	6.633	27.96	10.99	25.25	29.91	0
5/22/2017 13:15	3.46	42.13	22.27	25.91	29.91	0
5/22/2017 13:30	2.519	69.45	36.14	26.58	29.91	0
5/22/2017 13:45	3.53	285	46.08	27.44	29.91	0
5/22/2017 14:00	8.18	305.3	11.26	27.95	29.89	0
5/22/2017 14:15	8.01	317.3	13.18	27.94	29.89	0
5/22/2017 14:30	7.539	313.1	13.15	28.02	29.89	0
5/22/2017 14:45	8.24	329.1	19.14	28.12	29.89	0
5/22/2017 15:00	9.79	318.2	8.56	28.33	29.87	0
5/22/2017 15:15	9.13	331.7	15.39	28.17	29.87	0
5/22/2017 15:30	8.35	335.3	16.05	28.29	29.87	0
5/22/2017 15:45	7.37	345	20.68	28.31	29.87	0
5/22/2017 16:00	7.84	2.933	22.47	27.83	29.85	0
5/22/2017 16:15	8.91	21.79	13.88	27.12	29.85	0
5/22/2017 16:30	8.31	11.28	16.43	27.36	29.85	0
5/22/2017 16:45	8.8	9.33	18.43	27.42	29.85	0
5/22/2017 17:00	8.44	14.4	10.72	26.91	29.84	0
5/22/2017 17:15	6.549	358.5	17.99	27.55	29.84	0
5/22/2017 17:30	7.162	352.4	18.66	27.66	29.84	0
5/22/2017 17:45	5.625	342.6	18.22	27.74	29.84	0
5/22/2017 18:00	5.855	17.09	18.22	26.85	29.83	0
5/22/2017 18:15	3.052	11.05	15.46	27.06	29.83	0
5/22/2017 18:30	3.248	5.2	14.41	27.06	29.83	0
5/22/2017 18:45	4.373	8.05	15.64	26.56	29.83	0
5/22/2017 19:00	5.528	18.13	11.03	25.71	29.83	0
5/22/2017 19:15	5.722	7.648	20.83	25.41	29.83	0
5/22/2017 19:30	8.82	11.12	14.71	24.69	29.83	0
5/22/2017 19:45	7.717	359.3	14.05	24.45	29.83	0
5/22/2017 20:00	7.877	328.9	8.08	23.32	29.83	0
5/22/2017 20:15	3.592	359.1	28.87	23.02	29.83	0
5/22/2017 20:30	4.158	8.74	23.36	22.43	29.83	0
5/22/2017 20:45	8.33	39.38	9.59	21.97	29.83	0
5/22/2017 21:00	7.659	39.81	6.776	21.83	29.83	0
5/22/2017 21:15	6.028	45.21	10.19	21.98	29.83	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
5/22/2017 21:30	8.23	51.29	6.476	21.27	29.83	0
5/22/2017 21:45	8.88	47.31	7.925	20.99	29.83	0
5/22/2017 22:00	10.44	33.29	5.708	20.64	29.82	0
5/22/2017 22:15	10.51	37.93	6.355	19.68	29.82	0
5/22/2017 22:30	7.99	47.74	11.39	19.6	29.82	0
5/22/2017 22:45	8.05	58.11	16.7	19.96	29.82	0
5/22/2017 23:00	6.422	64.25	9.3	19.74	29.8	0
5/22/2017 23:15	4.559	50.2	12.22	19.48	29.8	0
5/22/2017 23:30	4.895	33.81	14.2	19	29.8	0
5/22/2017 23:45	6.128	15.86	5.891	18.13	29.8	0
5/23/2017 0:00	4.762	21.22	8.01	18.13	29.78	0
5/23/2017 0:15	5.486	36.86	6.516	18.23	29.78	0
5/23/2017 0:30	6.288	37.8	8.31	16.87	29.78	0
5/23/2017 0:45	6.208	41.87	8.36	16.44	29.78	0
5/23/2017 1:00	5.867	37.2	7.895	16.41	29.77	0
5/23/2017 1:15	5.139	35.84	4.131	16.4	29.77	0
5/23/2017 1:30	4.821	35.75	4.158	16.27	29.77	0
5/23/2017 1:45	4.268	31.5	4.542	15.98	29.77	0
5/23/2017 2:00	4.478	45.1	6.066	16.3	29.78	0
5/23/2017 2:15	3.984	38.19	16.45	16.73	29.78	0
5/23/2017 2:30	3.125	24.02	11.32	16.04	29.78	0
5/23/2017 2:45	2.183	41.3	8.56	15.9	29.78	0
5/23/2017 3:00	2.882	45.41	7.374	15.77	29.77	0
5/23/2017 3:15	3.547	16.72	8.37	15.54	29.77	0
5/23/2017 3:30	1.775	342.4	5.686	15.91	29.77	0
5/23/2017 3:45	3.092	342.4	12.07	15.49	29.77	0
5/23/2017 4:00	2.942	26.47	5.923	15.42	29.78	0
5/23/2017 4:15	3.71	41.41	2.693	14.92	29.78	0
5/23/2017 4:30	2.576	49.63	1.831	15.89	29.78	0
5/23/2017 4:45	0.451	50.77	0.025	16.26	29.78	0
5/23/2017 5:00	0.043	51.71	0.071	16.06	29.78	0
5/23/2017 5:15	0.288	52.06	0.072	16.55	29.78	0
5/23/2017 5:30	0.838	54.08	0.859	16.56	29.78	0
5/23/2017 5:45	0.986	54.57	0.145	17.27	29.78	0
5/23/2017 6:00	1.946	34.92	10.07	17.23	29.79	0
5/23/2017 6:15	2.919	16.48	7.69	15.13	29.79	0
5/23/2017 6:30	5.461	335.4	10.58	15.18	29.79	0
5/23/2017 6:45	3.51	308.8	39.56	17.25	29.79	0
5/23/2017 7:00	1.227	94.8	71	18.11	29.8	0
5/23/2017 7:15	3.785	193.2	11.57	17.83	29.8	0
5/23/2017 7:30	3.158	198.9	9.37	18.27	29.8	0
5/23/2017 7:45	3.812	206.5	9.51	18.65	29.8	0
5/23/2017 8:00	3.167	251.4	22.46	19.47	29.8	0
5/23/2017 8:15	3.177	261.4	19.39	20.16	29.8	0
5/23/2017 8:30	3.807	236.1	20.36	20.45	29.8	0
5/23/2017 8:45	3.475	213.6	18.48	20.93	29.8	0
5/23/2017 9:00	3.243	234.5	22.68	21.47	29.78	0
5/23/2017 9:15	1.773	265.3	27.83	22.36	29.78	0
5/23/2017 9:30	1.316	306.9	44.11	23.29	29.78	0
5/23/2017 9:45	3.525	197	22.13	23.24	29.78	0
5/23/2017 10:00	3.576	205	26.93	23.72	29.76	0
5/23/2017 10:15	4.163	200.6	23.77	24.01	29.76	0
5/23/2017 10:30	2.485	241.5	52.4	24.46	29.76	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
5/23/2017 10:45	4.233	307.4	33.68	25.14	29.76	0
5/23/2017 11:00	6.8	280.9	18.75	24.98	29.75	0
5/23/2017 11:15	9.5	274.3	11.44	24.7	29.75	0
5/23/2017 11:30	5.753	281.1	22.01	24.94	29.75	0
5/23/2017 11:45	6.24	263.4	20.95	25.14	29.75	0
5/23/2017 12:00	5.66	253.3	27.04	25.43	29.74	0
5/23/2017 12:15	7.625	272.8	15.9	25.63	29.74	0
5/23/2017 12:30	10.08	274.4	8.92	25.36	29.74	0
5/23/2017 12:45	9.3	273.4	20.61	25.29	29.74	0
5/23/2017 13:00	8.16	281.4	17.2	25.23	29.74	0
5/23/2017 13:15	9.34	259.5	17.73	25.47	29.74	0
5/23/2017 13:30	11.65	248.5	19.11	25.59	29.74	0
5/23/2017 13:45	12.69	225.5	11.86	25.42	29.74	0
5/23/2017 14:00	13.08	246.4	17.96	25.56	29.73	0
5/23/2017 14:15	10.83	265.5	20.32	25.62	29.73	0
5/23/2017 14:30	11.86	277.2	21.17	25.64	29.73	0
5/23/2017 14:45	7.955	279.3	23.5	25.53	29.73	0
5/23/2017 15:00	10.04	272.6	22.63	25.4	29.69	0
5/23/2017 15:15	14.58	260.1	10.43	25.46	29.69	0
5/23/2017 15:30	12.76	253.8	14.44	25.15	29.69	0
5/23/2017 15:45	13.58	253.4	12.34	25.1	29.69	0
5/23/2017 16:00	16.56	246.9	8.08	24.58	29.69	0
5/23/2017 16:15	14.68	252.1	13.36	23.92	29.69	0
5/23/2017 16:30	15.34	265.1	8.69	23.43	29.69	0
5/23/2017 16:45	11.33	275.7	18.92	22.54	29.69	0
5/23/2017 17:00	9.93	301.3	41.15	21.05	29.71	0
5/23/2017 17:15	4.807	347	74.66	18.96	29.71	0
5/23/2017 17:30	7.979	41.01	53.87	17.34	29.71	0
5/23/2017 17:45	10.57	22.79	19.88	15.78	29.71	0
5/23/2017 18:00	10.84	12.38	15.07	15.56	29.71	0
5/23/2017 18:15	12.59	23.93	13.03	15.19	29.71	0
5/23/2017 18:30	8.79	37.44	16.39	15.17	29.71	0
5/23/2017 18:45	5.568	36.33	15.37	15.25	29.71	0
5/23/2017 19:00	8.54	33.58	10.5	15.25	29.69	0
5/23/2017 19:15	8.18	32.83	13.08	15.11	29.69	0
5/23/2017 19:30	8.48	29.65	13.26	14.63	29.69	0
5/23/2017 19:45	10.24	32.39	10.33	13.36	29.69	0
5/23/2017 20:00	10.02	25.97	8.35	12.98	29.71	0
5/23/2017 20:15	11.95	26.84	10.12	12.61	29.71	0
5/23/2017 20:30	5.864	15.12	23.88	12.32	29.71	0
5/23/2017 20:45	8.92	18.96	19.85	11.83	29.71	0
5/23/2017 21:00	8.93	31	10.43	11.64	29.75	0
5/23/2017 21:15	5.011	341.4	36.15	11.92	29.75	0
5/23/2017 21:30	5.633	1.313	56.38	12.05	29.75	0
5/23/2017 21:45	5.665	11.04	19.38	11.68	29.75	0
5/23/2017 22:00	14.92	23.04	15.47	11.06	29.78	0
5/23/2017 22:15	15.92	28.86	12.39	10.48	29.78	0
5/23/2017 22:30	16.52	26.68	13.09	10.37	29.78	0
5/23/2017 22:45	14.9	26.36	11.55	10.34	29.78	0
5/23/2017 23:00	13.91	30.41	13.65	10.32	29.79	0
5/23/2017 23:15	11.4	25.25	12.62	10.29	29.79	0
5/23/2017 23:30	11.32	27.16	14.46	10.15	29.79	0
5/23/2017 23:45	10.46	24.03	11.63	9.89	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
5/24/2017 0:00	7.271	19.03	19.64	9.3	29.81	0
5/24/2017 0:15	3.015	13.39	24.53	8.9	29.81	0
5/24/2017 0:30	3.629	355.4	21.3	9.03	29.81	0
5/24/2017 0:45	2.303	60.93	30.13	8.71	29.81	0
5/24/2017 1:00	3.742	55.14	9.89	8.2	29.81	0
5/24/2017 1:15	2.156	74.81	27.03	8.23	29.81	0
5/24/2017 1:30	3.264	96.9	11.48	8.03	29.81	0
5/24/2017 1:45	1.598	135.2	9.08	8.24	29.81	0
5/24/2017 2:00	3.047	184.8	31.45	8.08	29.81	0
5/24/2017 2:15	4.449	187.1	13.21	7.556	29.81	0
5/24/2017 2:30	4.59	172.5	15.67	7.257	29.81	0
5/24/2017 2:45	5.742	157.9	10.54	7.408	29.81	0
5/24/2017 3:00	4.036	93.9	24.65	6.884	29.81	0
5/24/2017 3:15	4.174	138.5	18.81	6.953	29.81	0
5/24/2017 3:30	6.116	152.9	6.981	7.212	29.81	0
5/24/2017 3:45	5.746	159.9	8.83	6.885	29.81	0
5/24/2017 4:00	1.885	128.9	10.3	6.711	29.8	0
5/24/2017 4:15	3.202	153.6	25.48	6.76	29.8	0
5/24/2017 4:30	3.746	129.1	23.79	6.76	29.8	0
5/24/2017 4:45	5.493	123.3	6.12	7.007	29.8	0
5/24/2017 5:00	4.372	116.4	5.369	7.066	29.81	0
5/24/2017 5:15	4.615	118	7.656	7.245	29.81	0
5/24/2017 5:30	5.017	121.5	6.184	7.396	29.81	0
5/24/2017 5:45	4.585	125.3	6.863	7.538	29.81	0
5/24/2017 6:00	4.755	127.3	6.888	7.716	29.83	0
5/24/2017 6:15	4.358	138.3	13.19	7.806	29.83	0
5/24/2017 6:30	5.187	137.6	9.76	8.16	29.83	0
5/24/2017 6:45	7.099	158.4	13.89	8.53	29.83	0
5/24/2017 7:00	7.441	142.4	12.28	8.68	29.84	0
5/24/2017 7:15	7.196	161	16.03	9.16	29.84	0
5/24/2017 7:30	7.722	158.2	15.24	8.97	29.84	0
5/24/2017 7:45	8.69	153.8	10.57	9.03	29.84	0
5/24/2017 8:00	5.875	160.4	19.55	9.38	29.83	0
5/24/2017 8:15	8.74	147.4	13.63	9.57	29.83	0
5/24/2017 8:30	8.42	172	19.01	9.64	29.83	0
5/24/2017 8:45	5.667	170.7	29.65	9.92	29.83	0
5/24/2017 9:00	6.271	177.4	30.3	10.31	29.82	0
5/24/2017 9:15	5.953	152.6	29.98	10.65	29.82	0
5/24/2017 9:30	5.405	148.2	14.47	10.68	29.82	0
5/24/2017 9:45	3.629	131.1	20.66	10.9	29.82	0
5/24/2017 10:00	3.12	180.2	51.19	11.43	29.82	0
5/24/2017 10:15	3.95	199.4	39.35	11.74	29.82	0
5/24/2017 10:30	4.476	211.4	37.09	12.12	29.82	0
5/24/2017 10:45	3.609	202.8	47.97	12.7	29.82	0
5/24/2017 11:00	5.644	211.6	40.61	13.47	29.8	0
5/24/2017 11:15	5.074	184.3	37.8	12.63	29.8	0
5/24/2017 11:30	4.14	187.2	44.1	12.69	29.8	0
5/24/2017 11:45	4.164	200.5	21.28	13.36	29.8	0
5/24/2017 12:00	4.166	246.9	19.03	13.47	29.77	0
5/24/2017 12:15	1.871	297.7	33.57	13.21	29.77	0
5/24/2017 12:30	3.932	6.507	39.65	13.58	29.77	0
5/24/2017 12:45	3.065	352.5	60.1	13.52	29.77	0
5/24/2017 13:00	6.119	329.6	21.26	13.98	29.76	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
5/24/2017 13:15	6.428	332.5	20.1	14.3	29.76	0
5/24/2017 13:30	4.72	330.3	49.05	14.68	29.76	0
5/24/2017 13:45	6.451	328.4	27.73	14.79	29.76	0
5/24/2017 14:00	7.594	13.98	22.6	14.44	29.74	0
5/24/2017 14:15	5.751	349.2	21.14	14.66	29.74	0
5/24/2017 14:30	7.6	25.85	21.76	14.28	29.74	0
5/24/2017 14:45	7.469	15.86	14.76	14.38	29.74	0
5/24/2017 15:00	9.64	30.57	13.88	14.51	29.72	0
5/24/2017 15:15	10.8	42.11	12.37	14.07	29.72	0
5/24/2017 15:30	10.09	25.32	12.93	14.23	29.72	0
5/24/2017 15:45	10.93	32.84	13.56	13.81	29.72	0
5/24/2017 16:00	9.81	31.58	12.62	13.54	29.71	0
5/24/2017 16:15	9	33.1	11.34	13.68	29.71	0
5/24/2017 16:30	9.2	26.3	18.15	13.89	29.71	0
5/24/2017 16:45	8.55	24.05	14.17	13.69	29.71	0
5/24/2017 17:00	6.877	33.52	12.41	14.06	29.7	0
5/24/2017 17:15	7.738	25.41	11.85	14.26	29.7	0
5/24/2017 17:30	7.373	29.41	11.82	14.03	29.7	0
5/24/2017 17:45	6.854	32.83	14.63	14.34	29.7	0
5/24/2017 18:00	8.12	35.47	9.09	14.27	29.68	0
5/24/2017 18:15	6.852	30.2	11.35	14.39	29.68	0
5/24/2017 18:30	5.582	16.52	16.19	14.35	29.68	0
5/24/2017 18:45	7.741	15.98	6.639	13.8	29.68	0
5/24/2017 19:00	7.268	21.05	5.19	13.33	29.68	0
5/24/2017 19:15	5.24	14.16	7.77	13.22	29.68	0
5/24/2017 19:30	5.005	11.18	7.864	13.14	29.68	0
5/24/2017 19:45	4.827	18.1	3.131	12.74	29.68	0
5/24/2017 20:00	4.038	12.44	4.94	12.81	29.66	0
5/24/2017 20:15	4.777	25.22	7.721	12.46	29.66	0
5/24/2017 20:30	6.548	23.56	5.454	11.78	29.66	0
5/24/2017 20:45	5.82	19.54	2.956	11.85	29.66	0
5/24/2017 21:00	5.085	21.5	4.21	11.87	29.67	0
5/24/2017 21:15	3.537	25.79	6.843	11.5	29.67	0
5/24/2017 21:30	3.648	34.5	2.057	11.07	29.67	0
5/24/2017 21:45	4.324	29.11	3.487	11.1	29.67	0
5/24/2017 22:00	2.581	34.76	2.689	10.89	29.65	0
5/24/2017 22:15	1.698	37.71	0.073	10.25	29.65	0
5/24/2017 22:30	1.534	39.67	4.032	10.18	29.65	0
5/24/2017 22:45	2.407	49.32	1.251	10.63	29.65	0
5/24/2017 23:00	2.493	52.67	0.221	10.38	29.64	0
5/24/2017 23:15	1.777	52.51	0.228	10.26	29.64	0
5/24/2017 23:30	1.1	52.82	0.223	9.96	29.64	0
5/24/2017 23:45	0.471	53.68	0.456	9.46	29.64	0
5/25/2017 0:00	0.14	54.79	0.222	9.94	29.63	0
5/25/2017 0:15	0.692	55.03	0.121	9.95	29.63	0
5/25/2017 0:30	0.567	55.02	0.19	9.75	29.63	0
5/25/2017 0:45	0.787	55.02	0.181	9.67	29.63	0
5/25/2017 1:00	0.608	55.02	0.128	9.41	29.62	0
5/25/2017 1:15	0.147	55.02	0.053	8.76	29.62	0
5/25/2017 1:30	0.316	55.01	0.112	8.81	29.62	0
5/25/2017 1:45	4.805	214.7	56.2	7.563	29.62	0
5/25/2017 2:00	5.508	189.1	12.63	7.332	29.63	0
5/25/2017 2:15	4.603	138.4	12.89	7.825	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
5/25/2017 2:30	4.245	119.3	4.98	6.92	29.63	0
5/25/2017 2:45	5.144	136	4.169	7.33	29.63	0
5/25/2017 3:00	5.628	138.2	4.309	7.792	29.64	0
5/25/2017 3:15	5.426	133	4.471	7.72	29.64	0
5/25/2017 3:30	5.13	131.4	4.497	7.904	29.64	0
5/25/2017 3:45	5.106	140.2	3.141	8.02	29.64	0
5/25/2017 4:00	4.897	147.8	5.135	8.02	29.64	0
5/25/2017 4:15	4.342	151.1	4.107	8.08	29.64	0
5/25/2017 4:30	4.15	149.6	3.55	8.17	29.64	0
5/25/2017 4:45	3.544	147.2	4.314	7.982	29.64	0
5/25/2017 5:00	3.582	148.9	7.688	7.766	29.63	0
5/25/2017 5:15	4.113	155.3	4.114	8.19	29.63	0
5/25/2017 5:30	2.95	153.9	3.471	8.62	29.63	0
5/25/2017 5:45	2.314	155.7	8.91	9.4	29.63	0
5/25/2017 6:00	2.002	187.6	16.84	9.42	29.64	0
5/25/2017 6:15	1.878	200.7	6.025	9.53	29.64	0
5/25/2017 6:30	3.132	181.3	10.92	9.04	29.64	0
5/25/2017 6:45	3.017	168.9	10.92	9.13	29.64	0
5/25/2017 7:00	2.693	176.9	14.19	9.08	29.63	0
5/25/2017 7:15	3.18	222	7.838	9.03	29.63	0
5/25/2017 7:30	2.881	230.2	8.56	9.22	29.63	0
5/25/2017 7:45	2.118	237.6	17.7	9.97	29.63	0
5/25/2017 8:00	0.923	267	2.68	10.28	29.63	0
5/25/2017 8:15	0.649	332.3	26.44	10.81	29.63	0
5/25/2017 8:30	1.105	328.8	61.47	11.64	29.63	0
5/25/2017 8:45	1.449	290.9	71.27	12.14	29.63	0
5/25/2017 9:00	1.237	296	39.7	13.26	29.63	0
5/25/2017 9:15	1.397	330.9	51.04	13.55	29.63	0
5/25/2017 9:30	3.368	283.6	43.77	14.08	29.63	0
5/25/2017 9:45	4.79	290	25.67	14.35	29.63	0
5/25/2017 10:00	4.721	288.8	33.07	14.29	29.61	0
5/25/2017 10:15	4.34	292.1	17.62	14.81	29.61	0
5/25/2017 10:30	7.35	17.27	37.72	15.51	29.61	0
5/25/2017 10:45	10.44	43.27	17.09	15.51	29.61	0
5/25/2017 11:00	8.8	4.039	32.13	16.14	29.62	0
5/25/2017 11:15	9.25	331.3	20.43	16.34	29.62	0
5/25/2017 11:30	9.48	351.1	25.03	15.87	29.62	0
5/25/2017 11:45	9.96	354.4	16.36	15.85	29.62	0
5/25/2017 12:00	8.71	22.69	18.22	16.15	29.61	0
5/25/2017 12:15	9.71	1.648	23.48	16.52	29.61	0
5/25/2017 12:30	8.6	345.7	26.97	16.73	29.61	0
5/25/2017 12:45	9.6	331.9	25.7	16.97	29.61	0
5/25/2017 13:00	8.74	0.445	31.88	17.03	29.59	0
5/25/2017 13:15	8.07	350.5	29.75	17.95	29.59	0
5/25/2017 13:30	6.935	2.824	23.46	17.81	29.59	0
5/25/2017 13:45	8.27	347.6	37.05	18.13	29.59	0
5/25/2017 14:00	8.52	324.3	18.48	18.33	29.57	0
5/25/2017 14:15	8.15	313.7	22.26	18.7	29.57	0
5/25/2017 14:30	5.446	338.5	41.1	18.51	29.57	0
5/25/2017 14:45	5.508	6.967	41.21	18.7	29.57	0
5/25/2017 15:00	6.712	322.2	13.58	19.04	29.55	0
5/25/2017 15:15	10	295.6	12.16	19.18	29.55	0
5/25/2017 15:30	9.17	301.2	15.81	19.56	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
5/25/2017 15:45	10.57	275.5	8.22	19.49	29.55	0
5/25/2017 16:00	6.997	296.2	20.14	19.51	29.54	0
5/25/2017 16:15	7.63	298	18.49	19.5	29.54	0
5/25/2017 16:30	6.536	290.2	19.66	19.82	29.54	0
5/25/2017 16:45	4.579	348.6	41.62	19.69	29.54	0
5/25/2017 17:00	4.696	20.94	15.02	19.35	29.54	0
5/25/2017 17:15	4.594	15.07	21.28	19.61	29.54	0
5/25/2017 17:30	5.231	347.3	19.7	20.1	29.54	0
5/25/2017 17:45	5.945	21	17.24	19.21	29.54	0
5/25/2017 18:00	6.752	17.88	12.06	18.84	29.54	0
5/25/2017 18:15	6.665	7.552	16.86	18.98	29.54	0
5/25/2017 18:30	6.253	348	16.57	19.27	29.54	0
5/25/2017 18:45	6.835	327.1	13.05	18.91	29.54	0
5/25/2017 19:00	8.07	310.8	5.083	18.4	29.55	0
5/25/2017 19:15	8.03	309.2	4.628	17.97	29.55	0
5/25/2017 19:30	8.18	315	6.397	17.61	29.55	0
5/25/2017 19:45	6.976	311.3	4.33	17.26	29.55	0
5/25/2017 20:00	6.227	318	13.78	16.76	29.57	0
5/25/2017 20:15	4.541	349.8	31.14	16.94	29.57	0
5/25/2017 20:30	5.636	348.4	21.43	16.98	29.57	0
5/25/2017 20:45	4.869	14.79	19.43	16.56	29.57	0
5/25/2017 21:00	6.587	35.11	12.61	15.97	29.59	0
5/25/2017 21:15	7.024	43.36	8.87	15.39	29.59	0
5/25/2017 21:30	6.373	49.73	9.24	15.44	29.59	0
5/25/2017 21:45	4.562	41.32	11.87	15.33	29.59	0
5/25/2017 22:00	4.951	55.08	10.69	15.02	29.6	0
5/25/2017 22:15	6.379	39.67	13.17	14.93	29.6	0
5/25/2017 22:30	4.446	38.14	19.01	14.75	29.6	0
5/25/2017 22:45	4.689	51.04	21.19	14.6	29.6	0
5/25/2017 23:00	5.298	31.56	16.78	14.29	29.6	0
5/25/2017 23:15	4.894	51.94	7.304	12.84	29.6	0
5/25/2017 23:30	4.081	43.74	4.87	12.96	29.6	0
5/25/2017 23:45	2.925	43.28	4.244	13.03	29.6	0
5/26/2017 0:00	2.492	40.66	8.51	12.64	29.61	0
5/26/2017 0:15	2.888	32.99	6.172	12.77	29.61	0
5/26/2017 0:30	3.184	32.59	7.526	12.61	29.61	0
5/26/2017 0:45	2.891	45.42	9.21	12.21	29.61	0
5/26/2017 1:00	3.185	47.67	13.34	12.01	29.62	0
5/26/2017 1:15	3.286	67.78	2.219	11.28	29.62	0
5/26/2017 1:30	5.245	80.1	10.83	11.02	29.62	0
5/26/2017 1:45	3.257	103.2	10.21	11.42	29.62	0
5/26/2017 2:00	1.485	92.8	2.228	12.18	29.63	0
5/26/2017 2:15	1.718	96.7	6.488	12.38	29.63	0
5/26/2017 2:30	2.639	136.1	4.463	12.4	29.63	0
5/26/2017 2:45	2.037	179.3	28.42	12.02	29.63	0
5/26/2017 3:00	1.329	258.4	23	11.77	29.63	0
5/26/2017 3:15	1.396	320.3	14.27	11.68	29.63	0
5/26/2017 3:30	3.09	311.1	19.85	11.29	29.63	0
5/26/2017 3:45	0.291	279.2	5.187	11.34	29.63	0
5/26/2017 4:00	1.761	240.3	16.71	10.95	29.64	0
5/26/2017 4:15	1.535	185.7	38.37	10.54	29.64	0
5/26/2017 4:30	2.079	121.3	8.54	10.55	29.64	0
5/26/2017 4:45	2.296	111.1	2.485	10.75	29.64	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
5/26/2017 5:00	1.391	107.7	0.269	10.91	29.65	0
5/26/2017 5:15	0.818	107.6	0.189	11.64	29.65	0
5/26/2017 5:30	0.541	107.6	0.173	13.3	29.65	0
5/26/2017 5:45	0.218	107.6	0.028	13.15	29.65	0
5/26/2017 6:00	0.008	107.6	0.003	12.79	29.67	0
5/26/2017 6:15	0.085	116.4	0.76	13.42	29.67	0
5/26/2017 6:30	1.218	244.9	50.53	13.7	29.67	0
5/26/2017 6:45	1.725	250.6	8.34	13.74	29.67	0
5/26/2017 7:00	1.893	245.8	23.08	14.13	29.7	0
5/26/2017 7:15	1.838	231.7	16.03	14.46	29.7	0
5/26/2017 7:30	1.71	237.6	29.58	15.11	29.7	0
5/26/2017 7:45	0.611	286.3	17.28	16.29	29.7	0
5/26/2017 8:00	0.999	348.9	25.76	16.73	29.71	0
5/26/2017 8:15	2.506	226.1	60.1	17.02	29.71	0
5/26/2017 8:30	3.504	249	18.98	16.78	29.71	0
5/26/2017 8:45	2.597	218.8	24.44	17.34	29.71	0
5/26/2017 9:00	3.299	287.4	18.97	17.96	29.71	0
5/26/2017 9:15	4.573	284.6	14.98	18.3	29.71	0
5/26/2017 9:30	5.747	266.9	18.05	18.84	29.71	0
5/26/2017 9:45	4.227	277.9	41.06	19.04	29.71	0
5/26/2017 10:00	5.923	278	17.79	19.77	29.71	0
5/26/2017 10:15	4.21	275.1	30.71	19.96	29.71	0
5/26/2017 10:30	4.838	320.6	25.82	20.44	29.71	0
5/26/2017 10:45	5.084	326.5	39.09	20.96	29.71	0
5/26/2017 11:00	6.707	324.6	20.6	21.6	29.71	0
5/26/2017 11:15	7.007	305.5	16.53	22.01	29.71	0
5/26/2017 11:30	6.41	305.4	28.81	22.34	29.71	0
5/26/2017 11:45	7.409	278.6	18.27	22.13	29.71	0
5/26/2017 12:00	7.581	261	15.53	22.34	29.71	0
5/26/2017 12:15	5.397	316.4	28.42	22.97	29.71	0
5/26/2017 12:30	7.084	298.8	24.74	23.22	29.71	0
5/26/2017 12:45	6.207	334.6	31.82	23.3	29.71	0
5/26/2017 13:00	7.947	285.5	19.37	23.47	29.71	0
5/26/2017 13:15	10.06	288.6	9.63	23.74	29.71	0
5/26/2017 13:30	10.07	284.8	13.2	24.04	29.71	0
5/26/2017 13:45	10.41	292.8	13.01	24.28	29.71	0
5/26/2017 14:00	10.26	299.9	14.78	24.65	29.7	0
5/26/2017 14:15	10.34	300.3	15.03	24.92	29.7	0
5/26/2017 14:30	11.01	292.4	14.28	24.9	29.7	0
5/26/2017 14:45	10.24	295.6	12.01	25.2	29.7	0
5/26/2017 15:00	8.71	303.1	21.19	25.3	29.7	0
5/26/2017 15:15	9.12	316.1	8.98	25.52	29.7	0
5/26/2017 15:30	8.51	302.9	14	25.66	29.7	0
5/26/2017 15:45	8.26	316.7	15.32	26	29.7	0
5/26/2017 16:00	8.95	301.9	15.36	25.89	29.71	0
5/26/2017 16:15	8.78	332.1	12.18	25.7	29.71	0
5/26/2017 16:30	8.02	326.5	14.5	25.76	29.71	0
5/26/2017 16:45	8.74	318.9	8.6	25.88	29.71	0
5/26/2017 17:00	10.38	322.7	11.42	25.69	29.71	0
5/26/2017 17:15	8.43	332.7	11.08	25.58	29.71	0
5/26/2017 17:30	8.2	320.8	10.48	25.46	29.71	0
5/26/2017 17:45	9.48	317.6	8.56	25.35	29.71	0
5/26/2017 18:00	9	317.5	10.18	25.11	29.71	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
5/26/2017 18:15	9.32	323.4	8.72	24.81	29.71	0
5/26/2017 18:30	5.45	350.3	16.37	24.56	29.71	0
5/26/2017 18:45	6.853	335.8	7.704	24.15	29.71	0
5/26/2017 19:00	7.216	328.9	6.819	23.8	29.73	0
5/26/2017 19:15	6.264	331.3	7.865	23.32	29.73	0
5/26/2017 19:30	5.921	334.2	7.648	22.76	29.73	0
5/26/2017 19:45	5.665	341	8.43	22.37	29.73	0
5/26/2017 20:00	5.339	347	6.009	21.94	29.74	0
5/26/2017 20:15	3.421	357.3	25.38	21.64	29.74	0
5/26/2017 20:30	3.855	340.8	14.87	21.4	29.74	0
5/26/2017 20:45	5.159	2.707	17.14	21.14	29.74	0
5/26/2017 21:00	5.143	348.3	12.01	21.04	29.76	0
5/26/2017 21:15	4.715	354.6	12.61	21.06	29.76	0
5/26/2017 21:30	3.713	33.85	20.41	19.41	29.76	0
5/26/2017 21:45	6.054	40.75	9.12	18.41	29.76	0
5/26/2017 22:00	7.136	43.97	7.135	17.96	29.76	0
5/26/2017 22:15	10.12	42.09	7.811	18.37	29.76	0
5/26/2017 22:30	11.49	37.28	6.434	18.41	29.76	0
5/26/2017 22:45	11.11	40.41	4.234	18.25	29.76	0
5/26/2017 23:00	11.42	35.67	5.426	18.28	29.78	0
5/26/2017 23:15	8.84	35.4	4.87	17.93	29.78	0
5/26/2017 23:30	7.413	41.35	10.21	17.63	29.78	0
5/26/2017 23:45	6.045	38.81	8.58	17.07	29.78	0
5/27/2017 0:00	5.211	45.53	8.95	16.44	29.78	0
5/27/2017 0:15	6.473	38.28	6.043	16.93	29.78	0
5/27/2017 0:30	6.265	33.97	4.794	16.65	29.78	0
5/27/2017 0:45	4.08	50.22	7.27	15.37	29.78	0
5/27/2017 1:00	2.854	64.17	8.08	15.06	29.79	0
5/27/2017 1:15	4.01	214	16.54	14.96	29.79	0
5/27/2017 1:30	3.689	179.6	10.06	15.38	29.79	0
5/27/2017 1:45	2.259	162.9	25.09	15.08	29.79	0
5/27/2017 2:00	0.451	86.4	37.5	14.68	29.81	0
5/27/2017 2:15	0.215	11.9	0.058	14.79	29.81	0
5/27/2017 2:30	0.061	11.95	0.023	15.1	29.81	0
5/27/2017 2:45	0.207	12.26	0.031	14.96	29.81	0
5/27/2017 3:00	0.01	12.29	0.007	14.87	29.81	0
5/27/2017 3:15	0	0	0	14.81	29.81	0
5/27/2017 3:30	0.3	12.6	0	14.72	29.81	0
5/27/2017 3:45	0.396	33.18	6.666	14.83	29.81	0
5/27/2017 4:00	0.754	56.84	7.698	14.88	29.8	0
5/27/2017 4:15	1.062	96.1	19.82	14.73	29.8	0
5/27/2017 4:30	0.813	125	0.142	14.45	29.8	0
5/27/2017 4:45	0.694	57.69	53.46	14.34	29.8	0
5/27/2017 5:00	3.727	305.5	1.872	13.69	29.82	0
5/27/2017 5:15	3.334	322.4	12.73	14.33	29.82	0
5/27/2017 5:30	2.023	339.5	5.197	14.89	29.82	0
5/27/2017 5:45	1.915	326.8	10.45	14.81	29.82	0
5/27/2017 6:00	0.353	350.4	2.223	15.5	29.84	0
5/27/2017 6:15	0.612	246.8	33.46	15.12	29.84	0
5/27/2017 6:30	1.766	208.7	3.388	15.13	29.84	0
5/27/2017 6:45	1.687	210	11.27	15.7	29.84	0
5/27/2017 7:00	1.485	200.9	6.773	15.99	29.86	0
5/27/2017 7:15	0.304	98.3	4.712	17.74	29.86	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
5/27/2017 7:30	0.961	89.2	8.08	18.47	29.86	0
5/27/2017 7:45	0.924	74.58	10.06	18.98	29.86	0
5/27/2017 8:00	0.502	22.77	80.6	19.64	29.88	0
5/27/2017 8:15	0.898	322.8	31.83	20.05	29.88	0
5/27/2017 8:30	2.553	240.2	30.36	19.93	29.88	0
5/27/2017 8:45	2.316	250.7	37.32	20.27	29.88	0
5/27/2017 9:00	1.622	278.7	36.08	21.11	29.88	0
5/27/2017 9:15	2.424	313.1	21.15	21.38	29.88	0
5/27/2017 9:30	2.709	336.8	43.7	21.93	29.88	0
5/27/2017 9:45	3.77	339.3	30.75	22.13	29.88	0
5/27/2017 10:00	2.914	27.34	22.11	22.64	29.88	0
5/27/2017 10:15	4.314	313.7	42.43	23.29	29.88	0
5/27/2017 10:30	5.446	277.5	15.54	23.4	29.88	0
5/27/2017 10:45	5.405	276.5	22.04	23.87	29.88	0
5/27/2017 11:00	5.659	309.8	20.18	24.65	29.88	0
5/27/2017 11:15	5.873	313.8	22.96	25.08	29.88	0
5/27/2017 11:30	5.685	292.8	14.44	25.26	29.88	0
5/27/2017 11:45	5.572	341.2	40.72	25.65	29.88	0
5/27/2017 12:00	6.13	26.52	26.88	25.52	29.88	0
5/27/2017 12:15	8.21	324.6	20.8	26.7	29.88	0
5/27/2017 12:30	6.995	319.5	14.06	26.92	29.88	0
5/27/2017 12:45	6.129	324.9	21.66	27.06	29.88	0
5/27/2017 13:00	6.2	335.6	18.87	27.43	29.88	0
5/27/2017 13:15	5.656	331.7	24.83	27.57	29.88	0
5/27/2017 13:30	5.387	1.028	24.85	27.47	29.88	0
5/27/2017 13:45	3.492	311.9	39.93	27.94	29.88	0
5/27/2017 14:00	3.385	300.2	31.58	27.97	29.86	0
5/27/2017 14:15	5.732	12.21	26.73	27.76	29.86	0
5/27/2017 14:30	6.858	20.45	23.13	27.51	29.86	0
5/27/2017 14:45	5.65	8.8	22.94	27.89	29.86	0
5/27/2017 15:00	5.195	349.8	26.96	28.43	29.85	0
5/27/2017 15:15	3.983	322.4	29.21	28.58	29.85	0
5/27/2017 15:30	5.702	311.1	15.79	28.86	29.85	0
5/27/2017 15:45	4.511	349.3	33.45	28.93	29.85	0
5/27/2017 16:00	3.751	353.9	39.85	28.53	29.85	0
5/27/2017 16:15	5.232	314.5	22.75	29.11	29.85	0
5/27/2017 16:30	5.288	310.4	30.06	28.86	29.85	0
5/27/2017 16:45	6.568	303.1	21.74	28.99	29.85	0
5/27/2017 17:00	5.884	311.7	18.55	28.9	29.84	0
5/27/2017 17:15	6.917	316.9	11.12	28.63	29.84	0
5/27/2017 17:30	6.902	308.8	9.88	28.46	29.84	0
5/27/2017 17:45	5.764	293.8	10.03	28.35	29.84	0
5/27/2017 18:00	3.862	311.8	16.1	28.34	29.84	0
5/27/2017 18:15	3.954	308.5	7.71	28.22	29.84	0
5/27/2017 18:30	2.291	338	17.47	28.14	29.84	0
5/27/2017 18:45	2.551	8.16	6.72	27.32	29.84	0
5/27/2017 19:00	3.623	345	8.89	26.87	29.83	0
5/27/2017 19:15	3.914	355.8	18.17	26.35	29.83	0
5/27/2017 19:30	4.422	5.38	11.95	25.26	29.83	0
5/27/2017 19:45	4.998	27.62	5.671	24.08	29.83	0
5/27/2017 20:00	5.74	34.72	8.01	23.13	29.82	0
5/27/2017 20:15	6.273	36.7	5.702	22.78	29.82	0
5/27/2017 20:30	6.016	37.96	5.142	22.38	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
5/27/2017 20:45	6.273	41.48	4.888	22.13	29.82	0
5/27/2017 21:00	6.07	40.81	4.731	21.84	29.83	0
5/27/2017 21:15	7.208	39.07	6.209	21.63	29.83	0
5/27/2017 21:30	6.306	41.11	8.03	21.03	29.83	0
5/27/2017 21:45	6.087	45.78	7.251	20.82	29.83	0
5/27/2017 22:00	6.653	45.1	7.386	20.52	29.83	0
5/27/2017 22:15	6.743	40.11	4.759	19.72	29.83	0
5/27/2017 22:30	3.417	21.42	9.98	19.5	29.83	0
5/27/2017 22:45	3.023	25.51	2.96	19.76	29.83	0
5/27/2017 23:00	3.449	27.55	0.936	19.11	29.83	0
5/27/2017 23:15	3.117	35.26	8.85	19.81	29.83	0
5/27/2017 23:30	3.664	30.8	10.29	19.57	29.83	0
5/27/2017 23:45	4.522	28.73	9.34	18.73	29.83	0
5/28/2017 0:00	4.219	28.42	11.64	18.2	29.84	0
5/28/2017 0:15	4.546	28.68	3.627	17.92	29.84	0
5/28/2017 0:30	4.035	38.79	4.576	17.49	29.84	0
5/28/2017 0:45	3.917	58.74	5.969	17.28	29.84	0
5/28/2017 1:00	5.647	43.41	4.795	17.4	29.84	0
5/28/2017 1:15	4.395	38.01	5.088	16.85	29.84	0
5/28/2017 1:30	4.571	35.82	6.595	16.39	29.84	0
5/28/2017 1:45	4.694	27.02	8.56	16.16	29.84	0
5/28/2017 2:00	3.85	29.82	9.85	16.39	29.84	0
5/28/2017 2:15	3.636	38.58	3.517	16.66	29.84	0
5/28/2017 2:30	1.726	65.92	23.71	16.94	29.84	0
5/28/2017 2:45	4.416	118.2	10.94	17.06	29.84	0
5/28/2017 3:00	6.245	139	6.292	16.76	29.86	0
5/28/2017 3:15	5.735	145.3	4.87	16.29	29.86	0
5/28/2017 3:30	3.329	131.2	10.74	16.1	29.86	0
5/28/2017 3:45	2.449	169.3	16.73	16.24	29.86	0
5/28/2017 4:00	3.409	158.4	7.453	16.74	29.87	0
5/28/2017 4:15	4.917	165.2	10.56	16.75	29.87	0
5/28/2017 4:30	5.59	195.9	4.574	16.78	29.87	0
5/28/2017 4:45	3.944	199.7	3.641	16.91	29.87	0
5/28/2017 5:00	5.428	203.1	1.383	15.66	29.88	0
5/28/2017 5:15	6.202	199.6	10.15	15.26	29.88	0
5/28/2017 5:30	3.54	148.8	21.95	15.93	29.88	0
5/28/2017 5:45	3.278	125.7	10.52	16.07	29.88	0
5/28/2017 6:00	4.983	153.5	15.11	16.67	29.89	0
5/28/2017 6:15	2.637	177.8	18.34	16.87	29.89	0
5/28/2017 6:30	2.59	165.4	20.3	17.29	29.89	0
5/28/2017 6:45	3.141	209.2	14.88	17.46	29.89	0
5/28/2017 7:00	3.459	205.8	10.3	17.51	29.9	0
5/28/2017 7:15	3.264	189.2	9.95	17.75	29.9	0
5/28/2017 7:30	2.503	152.8	23.36	18.76	29.9	0
5/28/2017 7:45	2.256	170.2	18.5	19.17	29.9	0
5/28/2017 8:00	2.193	199.2	24.16	19.73	29.91	0
5/28/2017 8:15	2.256	189.3	25.51	19.83	29.91	0
5/28/2017 8:30	2.754	194.1	20.4	20.59	29.91	0
5/28/2017 8:45	1.866	228.9	34.95	21	29.91	0
5/28/2017 9:00	3.06	240	34.67	21.59	29.9	0
5/28/2017 9:15	2.236	256.4	30.59	22.29	29.9	0
5/28/2017 9:30	2.71	220.3	50.64	22.59	29.9	0
5/28/2017 9:45	1.908	312.4	25.41	23.68	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
5/28/2017 10:00	5.23	285.9	23.85	23.33	29.89	0
5/28/2017 10:15	7.567	273.5	9.76	23.48	29.89	0
5/28/2017 10:30	8.14	273.5	11.94	23.67	29.89	0
5/28/2017 10:45	7.341	272.6	13.04	23.9	29.89	0
5/28/2017 11:00	5.421	300.7	23.06	24.54	29.89	0
5/28/2017 11:15	4.763	300.1	21.85	24.85	29.89	0
5/28/2017 11:30	6.778	274.2	16.03	25.33	29.89	0
5/28/2017 11:45	7.555	275.5	16.59	25.72	29.89	0
5/28/2017 12:00	6.673	289.8	20.09	26.26	29.89	0
5/28/2017 12:15	6.827	284.4	20.41	26.46	29.89	0
5/28/2017 12:30	5.986	298.5	14.67	27.07	29.89	0
5/28/2017 12:45	5.427	300.4	18.29	27.83	29.89	0
5/28/2017 13:00	6.296	289	21.94	27.89	29.87	0
5/28/2017 13:15	5.246	290.5	17.77	28.22	29.87	0
5/28/2017 13:30	4.56	294.2	23.8	28.79	29.87	0
5/28/2017 13:45	5.13	320.8	58.9	28.65	29.87	0
5/28/2017 14:00	6.859	28.5	14.55	28.52	29.86	0
5/28/2017 14:15	8.15	25.89	11.44	28.43	29.86	0
5/28/2017 14:30	7.97	27.21	14.71	28.73	29.86	0
5/28/2017 14:45	6.81	6.686	26.08	29.42	29.86	0
5/28/2017 15:00	8.43	9.82	23.33	29.41	29.84	0
5/28/2017 15:15	9.96	26.39	11.99	28.78	29.84	0
5/28/2017 15:30	10.77	25.15	10.15	28.81	29.84	0
5/28/2017 15:45	10.01	14.19	16.93	29.06	29.84	0
5/28/2017 16:00	10.79	354.9	16.26	29.69	29.82	0
5/28/2017 16:15	10.81	355.5	17.53	29.6	29.82	0
5/28/2017 16:30	10.82	352.5	14.74	29.7	29.82	0
5/28/2017 16:45	10.99	352.7	15.53	29.58	29.82	0
5/28/2017 17:00	8.94	353.5	18.47	29.64	29.81	0
5/28/2017 17:15	8.06	356	18.26	29.45	29.81	0
5/28/2017 17:30	9.05	6.079	13.86	28.92	29.81	0
5/28/2017 17:45	9.89	7.428	14.27	28.68	29.81	0
5/28/2017 18:00	9.7	10.57	12.28	28.17	29.78	0
5/28/2017 18:15	9.79	9.34	13.01	28.01	29.78	0
5/28/2017 18:30	8.03	10.82	13.28	27.77	29.78	0
5/28/2017 18:45	6.828	1.701	17.47	27.44	29.78	0
5/28/2017 19:00	5.041	356	24.3	27.35	29.8	0
5/28/2017 19:15	4.97	334.6	48.38	27.23	29.8	0
5/28/2017 19:30	3.016	352.1	35.66	26.8	29.8	0
5/28/2017 19:45	3.434	29.97	34.56	26.13	29.8	0
5/28/2017 20:00	2.558	81	59.12	25.64	29.79	0
5/28/2017 20:15	3.274	73.26	27.39	25.1	29.79	0
5/28/2017 20:30	1.623	108	52.1	24.83	29.79	0
5/28/2017 20:45	0.892	155.3	65.8	24.9	29.79	0
5/28/2017 21:00	1.001	69.35	41.64	24.47	29.79	0
5/28/2017 21:15	3.848	50.64	15.54	22.81	29.79	0
5/28/2017 21:30	3.562	345.6	63.25	22	29.79	0
5/28/2017 21:45	2.187	279.7	20.34	21.47	29.79	0
5/28/2017 22:00	2.579	288	14.47	20.28	29.79	0
5/28/2017 22:15	3.469	253.1	14.89	19.59	29.79	0
5/28/2017 22:30	4.927	243.2	10.36	19.37	29.79	0
5/28/2017 22:45	3.419	201.7	7.41	18.93	29.79	0
5/28/2017 23:00	3.09	188.9	6.761	18.67	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
5/28/2017 23:15	4.915	199	5.021	18.04	29.81	0
5/28/2017 23:30	5.457	197.9	4.401	17.5	29.81	0
5/28/2017 23:45	7.027	210.8	6.859	16.75	29.81	0
5/29/2017 0:00	7.055	223.6	10.21	16.11	29.83	0
5/29/2017 0:15	6.312	226.6	5.434	15.86	29.83	0
5/29/2017 0:30	3.664	229.8	4.399	15.45	29.83	0
5/29/2017 0:45	3.556	219.1	6.627	15.16	29.83	0
5/29/2017 1:00	5.645	230.4	3.344	14.85	29.83	0
5/29/2017 1:15	4.404	225.8	12.32	14.43	29.83	0
5/29/2017 1:30	4.401	216.4	4.022	13.98	29.83	0
5/29/2017 1:45	4.901	223.7	6.137	13.77	29.83	0
5/29/2017 2:00	4.467	234.7	9.95	13.41	29.84	0
5/29/2017 2:15	3.175	254.8	16.88	13.03	29.84	0
5/29/2017 2:30	3.514	281.2	3.877	12.36	29.84	0
5/29/2017 2:45	2.68	269.6	11.05	12.31	29.84	0
5/29/2017 3:00	3.235	259	5.863	12.2	29.85	0
5/29/2017 3:15	3.406	272.9	8.22	11.78	29.85	0
5/29/2017 3:30	4.21	272.2	6.374	11.56	29.85	0
5/29/2017 3:45	4.233	282	4.047	11.26	29.85	0
5/29/2017 4:00	4.805	283.4	4.632	11.09	29.85	0
5/29/2017 4:15	4.43	280.5	6.137	11.02	29.85	0
5/29/2017 4:30	3.112	271.2	8.23	11.12	29.85	0
5/29/2017 4:45	3.147	254.9	16	11.1	29.85	0
5/29/2017 5:00	2.943	228.4	19.78	11.1	29.86	0
5/29/2017 5:15	3.44	232.5	8.66	11.05	29.86	0
5/29/2017 5:30	3.349	224.3	20.2	11.07	29.86	0
5/29/2017 5:45	3.061	193.1	6.911	11.01	29.86	0
5/29/2017 6:00	2.159	186	23.79	11.02	29.86	0
5/29/2017 6:15	2.217	131.2	16.49	11.02	29.86	0
5/29/2017 6:30	0.878	149.7	13.4	11.06	29.86	0
5/29/2017 6:45	2.197	136.5	11.87	11.23	29.86	0
5/29/2017 7:00	0.723	140.2	12.68	11.37	29.85	0
5/29/2017 7:15	2.888	265.4	30.43	11.61	29.85	0
5/29/2017 7:30	1.94	255.5	13.67	11.66	29.85	0
5/29/2017 7:45	2.638	261.4	21.77	11.86	29.85	0
5/29/2017 8:00	3.981	218.8	15.25	11.94	29.85	0
5/29/2017 8:15	3.401	224.9	24.02	12.18	29.85	0
5/29/2017 8:30	3.783	277.7	23.82	12.17	29.85	0
5/29/2017 8:45	2.209	277.2	16.06	12.47	29.85	0
5/29/2017 9:00	2.816	246	22.44	12.81	29.84	0
5/29/2017 9:15	1.343	273.1	50.46	13.45	29.84	0
5/29/2017 9:30	3.333	267.5	39.86	13.88	29.84	0
5/29/2017 9:45	2.868	304.5	28.24	14.32	29.84	0
5/29/2017 10:00	3.515	282.6	28.64	15.05	29.86	0
5/29/2017 10:15	3.759	254.4	26.4	15.12	29.86	0
5/29/2017 10:30	3.006	286.7	21.87	15.66	29.86	0
5/29/2017 10:45	3.705	291.5	27.51	16.73	29.86	0
5/29/2017 11:00	3.169	305.7	22.46	17.23	29.83	0
5/29/2017 11:15	5.216	238	22.47	17.4	29.83	0
5/29/2017 11:30	3.811	286.7	38.15	17.76	29.83	0
5/29/2017 11:45	5.084	291.3	32.34	18.42	29.83	0
5/29/2017 12:00	4.382	290.5	27.28	18.58	29.78	0
5/29/2017 12:15	4.925	289.6	32.61	19.03	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
5/29/2017 12:30	5.841	274.6	26.51	19.19	29.78	0
5/29/2017 12:45	4.757	301.9	25.17	19.87	29.78	0
5/29/2017 13:00	3.5	319.8	19.22	20.01	29.76	0
5/29/2017 13:15	4.365	315.1	27.06	20.61	29.76	0
5/29/2017 13:30	5.136	279.5	21.17	20.89	29.76	0
5/29/2017 13:45	5.461	278.7	33.33	21.34	29.76	0
5/29/2017 14:00	5.437	296.7	16.79	21.52	29.73	0
5/29/2017 14:15	6.137	284.9	17.39	21.75	29.73	0
5/29/2017 14:30	6.728	273.4	20.32	21.96	29.73	0
5/29/2017 14:45	5.065	284.8	17.4	22.21	29.73	0
5/29/2017 15:00	6.502	273.5	25.45	22.43	29.71	0
5/29/2017 15:15	6.989	271.8	17.74	22.91	29.71	0
5/29/2017 15:30	5.749	276.9	23.93	23.08	29.71	0
5/29/2017 15:45	7.437	282.9	16.1	23.29	29.71	0
5/29/2017 16:00	7.618	279.2	16.14	22.92	29.7	0
5/29/2017 16:15	7.824	252.8	11.86	22.85	29.7	0
5/29/2017 16:30	7.723	245.9	15.07	22.88	29.7	0
5/29/2017 16:45	6.464	235.2	18.26	22.72	29.7	0
5/29/2017 17:00	5.904	234.6	27.93	22.98	29.68	0
5/29/2017 17:15	6.152	260.2	20.91	22.96	29.68	0
5/29/2017 17:30	6.211	263.2	11.8	22.72	29.68	0
5/29/2017 17:45	6.161	275.1	14.71	22.63	29.68	0
5/29/2017 18:00	4.776	239.8	18.91	22.66	29.67	0
5/29/2017 18:15	4.692	229.4	11.93	22.49	29.67	0
5/29/2017 18:30	3.908	261.1	22.52	22.44	29.67	0
5/29/2017 18:45	5.449	284.1	8.88	22.02	29.67	0
5/29/2017 19:00	4.332	283	8.81	21.83	29.67	0
5/29/2017 19:15	6.223	282.5	7.031	21.26	29.67	0
5/29/2017 19:30	6.641	278.5	6.218	20.52	29.67	0
5/29/2017 19:45	6.874	271.2	4.758	20.11	29.67	0
5/29/2017 20:00	7.534	267.7	5.776	19.61	29.67	0
5/29/2017 20:15	10.71	254.4	7.297	18.64	29.67	0
5/29/2017 20:30	8.65	255.9	7.177	17.66	29.67	0
5/29/2017 20:45	5.495	251.2	8.18	17.2	29.67	0
5/29/2017 21:00	6.309	240.7	7.529	16.89	29.71	0
5/29/2017 21:15	7.095	238.6	6.93	16.47	29.71	0
5/29/2017 21:30	5.001	229.3	8.09	16.05	29.71	0
5/29/2017 21:45	4.764	214.4	9.2	15.71	29.71	0
5/29/2017 22:00	4.602	212.2	5.68	15.4	29.71	0
5/29/2017 22:15	5.351	215.8	3.975	15.29	29.71	0
5/29/2017 22:30	6.844	210.6	4.776	14.95	29.71	0
5/29/2017 22:45	6.839	206	4.392	14.5	29.71	0
5/29/2017 23:00	6.538	215.8	4.925	14.39	29.72	0
5/29/2017 23:15	7.357	217.5	6.269	14.17	29.72	0
5/29/2017 23:30	6.518	225.8	6.883	13.81	29.72	0
5/29/2017 23:45	6.493	221.8	4.692	13.47	29.72	0
5/30/2017 0:00	5.071	209.9	10.5	13.11	29.71	0
5/30/2017 0:15	5.742	206.6	3.273	12.78	29.71	0
5/30/2017 0:30	4.049	221.8	9.83	12.75	29.71	0
5/30/2017 0:45	3.82	215.2	5.464	12.58	29.71	0
5/30/2017 1:00	5.301	210.8	4.679	12.29	29.72	0
5/30/2017 1:15	6.398	215.8	5.758	12.08	29.72	0
5/30/2017 1:30	7.473	206.2	10.48	11.58	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
5/30/2017 1:45	7.882	216.7	7.81	11.63	29.72	0
5/30/2017 2:00	8.02	208.4	5.966	11.41	29.72	0
5/30/2017 2:15	7.672	210	6.013	11.32	29.72	0
5/30/2017 2:30	7.138	207.8	4.933	11.22	29.72	0
5/30/2017 2:45	6.914	225.3	9.03	11.1	29.72	0
5/30/2017 3:00	6.456	226.4	7.703	11.04	29.72	0
5/30/2017 3:15	5.107	209.7	9.22	11.01	29.72	0
5/30/2017 3:30	4.48	202.7	7.473	10.96	29.72	0
5/30/2017 3:45	2.322	206.5	14.38	10.88	29.72	0
5/30/2017 4:00	4.012	195.2	11.45	10.69	29.7	0
5/30/2017 4:15	2.039	187.4	6.426	10.54	29.7	0
5/30/2017 4:30	2.862	208.7	15.48	10.67	29.7	0
5/30/2017 4:45	3.005	260.7	10.83	10.67	29.7	0
5/30/2017 5:00	3.884	249.3	8.89	10.71	29.69	0
5/30/2017 5:15	4.013	240.4	9.47	10.78	29.69	0
5/30/2017 5:30	3.204	241	16.14	10.7	29.69	0
5/30/2017 5:45	5.041	223.4	6.809	10.79	29.69	0
5/30/2017 6:00	3.936	205.6	10.9	10.79	29.7	0
5/30/2017 6:15	5.508	196.6	11.42	10.82	29.7	0
5/30/2017 6:30	5.359	197.8	7.851	10.87	29.7	0
5/30/2017 6:45	6.035	187.1	9.26	11.03	29.7	0
5/30/2017 7:00	4.963	189.6	14.56	11.24	29.71	0
5/30/2017 7:15	5.597	161	7.196	11.18	29.71	0
5/30/2017 7:30	6.182	170.3	21.01	11.36	29.71	0
5/30/2017 7:45	6.491	189	12.21	11.49	29.71	0
5/30/2017 8:00	6.452	193.8	8.61	11.5	29.73	0
5/30/2017 8:15	6.343	197.8	14.11	11.44	29.73	0
5/30/2017 8:30	7.039	199.4	8.98	11.39	29.73	0
5/30/2017 8:45	6.032	194.1	8.7	11.31	29.73	0
5/30/2017 9:00	7.084	186.7	7.976	11.35	29.75	0
5/30/2017 9:15	7.492	197.1	6.878	11.27	29.75	0
5/30/2017 9:30	6.628	180.2	16.45	11.22	29.75	0
5/30/2017 9:45	7.167	189.4	7.499	11.27	29.75	0
5/30/2017 10:00	7.101	185.5	8.25	11.35	29.76	0
5/30/2017 10:15	6.701	189.6	8.54	11.52	29.76	0
5/30/2017 10:30	7.101	197	8.36	11.59	29.76	0
5/30/2017 10:45	6.465	173.8	13.97	12.03	29.76	0
5/30/2017 11:00	6.916	165.2	15.49	12.3	29.77	0
5/30/2017 11:15	6.635	157.6	13.7	12.52	29.77	0
5/30/2017 11:30	5.387	183.2	16.96	12.63	29.77	0
5/30/2017 11:45	6.152	188.7	10.54	12.62	29.77	0
5/30/2017 12:00	6.823	182.9	9.91	12.84	29.78	0
5/30/2017 12:15	6.803	182.4	14.8	13.02	29.78	0
5/30/2017 12:30	7.294	188.2	8.55	12.98	29.78	0
5/30/2017 12:45	8.19	191.5	9.43	12.97	29.78	0
5/30/2017 13:00	6.572	199	13.75	12.86	29.78	0
5/30/2017 13:15	7.159	196.6	11.63	12.69	29.78	0
5/30/2017 13:30	4.714	243.2	49.59	12.53	29.78	0
5/30/2017 13:45	2.268	316.6	23.24	12.36	29.78	0
5/30/2017 14:00	3.867	282.5	16.22	12.37	29.79	0
5/30/2017 14:15	4.139	281.2	17	12.2	29.79	0
5/30/2017 14:30	4.056	290.9	27.73	12.22	29.79	0
5/30/2017 14:45	3.69	296.1	14.63	12.3	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
5/30/2017 15:00	3.89	274.6	10.34	12.31	29.8	0
5/30/2017 15:15	1.374	275.8	26.03	12.39	29.8	0
5/30/2017 15:30	1.109	23.16	34.87	12.3	29.8	0
5/30/2017 15:45	0.489	70.91	0.355	12.23	29.8	0
5/30/2017 16:00	1.947	131	18.75	12.19	29.77	0
5/30/2017 16:15	2.472	177	27.29	12.34	29.77	0
5/30/2017 16:30	3.646	186.8	8.49	12.29	29.77	0
5/30/2017 16:45	2.709	140.9	39.44	12.36	29.77	0
5/30/2017 17:00	2.913	186	21.46	12.47	29.77	0
5/30/2017 17:15	2.182	205.2	10.41	12.51	29.77	0
5/30/2017 17:30	2.467	140.3	37.54	12.48	29.77	0
5/30/2017 17:45	4.295	97.3	11.32	12.22	29.77	0
5/30/2017 18:00	3.447	98.7	10.83	12.13	29.76	0
5/30/2017 18:15	3.276	122.2	12.32	12.18	29.76	0
5/30/2017 18:30	2.249	133.9	9.87	12.23	29.76	0
5/30/2017 18:45	0.718	104.1	1.37	12.31	29.76	0
5/30/2017 19:00	0.116	103.6	0.03	12.34	29.73	0
5/30/2017 19:15	1.791	206.7	19	12.47	29.73	0
5/30/2017 19:30	4.753	273.2	7.757	12.3	29.73	0
5/30/2017 19:45	5.401	275.4	7.931	12.25	29.73	0
5/30/2017 20:00	3.749	294.3	10.09	12.16	29.7	0
5/30/2017 20:15	1.88	332.4	6.962	12	29.7	0
5/30/2017 20:30	1.658	5.732	11.8	11.8	29.7	0
5/30/2017 20:45	2.276	327.5	8.91	11.97	29.7	0
5/30/2017 21:00	4.871	284.3	16.91	12.07	29.7	0
5/30/2017 21:15	6.582	266	7.308	12.05	29.7	0
5/30/2017 21:30	5.184	273.7	7.608	11.96	29.7	0
5/30/2017 21:45	5.153	252.4	12.47	11.96	29.7	0
5/30/2017 22:00	5.435	222	8.73	11.95	29.73	0
5/30/2017 22:15	4.377	200.5	16.2	11.9	29.73	0
5/30/2017 22:30	4.516	192.2	11.68	11.72	29.73	0
5/30/2017 22:45	4.396	210.9	13.09	11.85	29.73	0
5/30/2017 23:00	2.664	234.8	11.02	11.79	29.74	0
5/30/2017 23:15	3.451	260.6	11.1	11.77	29.74	0
5/30/2017 23:30	4.907	267.1	11.29	11.67	29.74	0
5/30/2017 23:45	5.017	262.4	7.435	11.6	29.74	0
5/31/2017 0:00	4.343	264	9.13	11.5	29.74	0
5/31/2017 0:15	4.645	256.4	7.805	11.47	29.74	0
5/31/2017 0:30	3.424	244.5	9.86	11.43	29.74	0
5/31/2017 0:45	3.461	229.2	7.467	11.39	29.74	0
5/31/2017 1:00	2.863	236.7	8.89	11.34	29.72	0
5/31/2017 1:15	2.39	137.5	30.65	10.99	29.72	0
5/31/2017 1:30	1.838	110.8	15.4	10.82	29.72	0
5/31/2017 1:45	2.76	99.2	5.965	10.62	29.72	0
5/31/2017 2:00	3.06	104.7	1.535	10.52	29.71	0
5/31/2017 2:15	1.221	104.9	0.346	10.52	29.71	0
5/31/2017 2:30	0.936	108.6	3.264	10.62	29.71	0
5/31/2017 2:45	1.549	115.1	0.82	10.61	29.71	0
5/31/2017 3:00	1.026	114.3	0.87	10.57	29.68	0
5/31/2017 3:15	0.018	114.2	0.138	10.63	29.68	0
5/31/2017 3:30	2.399	240.3	29.12	10.89	29.68	0
5/31/2017 3:45	2.275	245.6	22.1	10.85	29.68	0
5/31/2017 4:00	2.569	297.5	5.621	10.77	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
5/31/2017 4:15	1.4	322.2	7.946	10.72	29.68	0
5/31/2017 4:30	1.579	325.3	2.104	10.72	29.68	0
5/31/2017 4:45	2.108	248.5	28.25	10.87	29.68	0
5/31/2017 5:00	2.135	218.4	11.37	10.96	29.67	0
5/31/2017 5:15	1.902	184.5	15.21	10.82	29.67	0
5/31/2017 5:30	2.034	171.9	16.2	10.86	29.67	0
5/31/2017 5:45	2.366	200.9	22.04	11	29.67	0
5/31/2017 6:00	2.881	238.4	33.28	11.12	29.67	0
5/31/2017 6:15	3.74	252	9.23	11.11	29.67	0
5/31/2017 6:30	3.589	249.6	14.39	11.12	29.67	0
5/31/2017 6:45	4.21	256.4	11.67	11.23	29.67	0
5/31/2017 7:00	4.258	257.2	10.46	11.34	29.68	0
5/31/2017 7:15	3.431	241.1	12.44	11.56	29.68	0
5/31/2017 7:30	3.524	224	23.88	11.78	29.68	0
5/31/2017 7:45	3.583	233.5	28.76	11.83	29.68	0
5/31/2017 8:00	3.593	270.3	30.77	11.89	29.69	0
5/31/2017 8:15	2.544	200.5	29	12.28	29.69	0
5/31/2017 8:30	2.372	181.2	43.28	12.79	29.69	0
5/31/2017 8:45	2.082	242.5	30.54	12.89	29.69	0
5/31/2017 9:00	2.825	180.5	56.96	13.68	29.7	0
5/31/2017 9:15	3.664	87.6	32.86	14.06	29.7	0
5/31/2017 9:30	2.888	148.1	51.78	14.63	29.7	0
5/31/2017 9:45	2.933	239.4	28.3	15.05	29.7	0
5/31/2017 10:00	2.205	233.8	43.88	15.5	29.69	0
5/31/2017 10:15	3.343	231.3	31.44	15.32	29.69	0
5/31/2017 10:30	3.072	260.1	40.97	16	29.69	0
5/31/2017 10:45	4.679	237.4	25.81	16.31	29.69	0
5/31/2017 11:00	3.064	178.3	35.25	16.67	29.67	0
5/31/2017 11:15	3.197	197.7	39.39	17	29.67	0
5/31/2017 11:30	3.014	206.4	30.32	17.34	29.67	0
5/31/2017 11:45	2.884	179.6	42.98	17.92	29.67	0
5/31/2017 12:00	5.132	191.5	27.55	18.34	29.65	0
5/31/2017 12:15	5.858	280.2	15.33	18.99	29.65	0
5/31/2017 12:30	3.639	249.4	40.17	18.84	29.65	0
5/31/2017 12:45	2.452	258.9	48.83	19.37	29.65	0
5/31/2017 13:00	5.078	222.5	38.96	19.81	29.62	0
5/31/2017 13:15	4.353	236.1	39.14	20.12	29.62	0
5/31/2017 13:30	6.37	187.4	56.23	20.86	29.62	0
5/31/2017 13:45	6.761	232.7	18.02	20.68	29.62	0
5/31/2017 14:00	6.7	274.3	18.81	20.93	29.61	0
5/31/2017 14:15	6.574	264	38.81	20.93	29.61	0
5/31/2017 14:30	5.656	201.6	45.87	20.97	29.61	0
5/31/2017 14:45	3.168	217.2	45.2	21.36	29.61	0
5/31/2017 15:00	5.752	262.3	20.68	21.81	29.6	0
5/31/2017 15:15	6.487	277.2	23.86	21.11	29.6	0
5/31/2017 15:30	5.17	274.6	17.79	20.72	29.6	0
5/31/2017 15:45	3.549	290.3	34.24	20.76	29.6	0
5/31/2017 16:00	4.891	299	16.18	20.81	29.58	0
5/31/2017 16:15	7.554	285.5	7.83	20.52	29.58	0
5/31/2017 16:30	6.105	289.9	14.39	20.5	29.58	0
5/31/2017 16:45	5.003	281.3	9.46	20.3	29.58	0
5/31/2017 17:00	6.204	286.9	11.79	20.3	29.56	0
5/31/2017 17:15	7.419	281.1	9.67	20.19	29.56	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
5/31/2017 17:30	7.767	272.3	10.32	20.02	29.56	0
5/31/2017 17:45	7.087	274.6	11.38	19.55	29.56	0
5/31/2017 18:00	7.264	278.2	7.193	19.13	29.56	0
5/31/2017 18:15	7.052	270.9	7.466	18.94	29.56	0
5/31/2017 18:30	7.475	270.3	10.62	18.68	29.56	0
5/31/2017 18:45	8.09	278.1	7.199	18.34	29.56	0
5/31/2017 19:00	8.59	280.5	8.97	17.99	29.57	0
5/31/2017 19:15	8.58	269.9	9.93	17.58	29.57	0
5/31/2017 19:30	8.13	272.9	9.93	17.03	29.57	0
5/31/2017 19:45	6.815	266.9	11.95	16.87	29.57	0
5/31/2017 20:00	7.567	254.3	8	16.68	29.59	0
5/31/2017 20:15	8.86	252.9	11.28	15.69	29.59	0
5/31/2017 20:30	10.22	258.5	7.334	14.59	29.59	0
5/31/2017 20:45	6.83	262	6.25	13.81	29.59	0.01
5/31/2017 21:00	2.989	234.5	21	13.46	29.61	0.01
5/31/2017 21:15	2.718	125.3	20.38	13.13	29.61	0.01
5/31/2017 21:30	4.042	100.1	5.303	12.95	29.61	0.02
5/31/2017 21:45	4.441	124.5	8.54	12.92	29.61	0.02
5/31/2017 22:00	3.745	136.1	5.449	12.95	29.61	0.03
5/31/2017 22:15	4.179	116.6	7.064	12.91	29.61	0.01
5/31/2017 22:30	4.442	117.6	7.171	12.89	29.61	0.01
5/31/2017 22:45	3.895	129.4	6.623	12.93	29.61	0.01
5/31/2017 23:00	5.015	130.9	5.906	12.95	29.61	0.01
5/31/2017 23:15	4.686	133.8	6.091	12.98	29.61	0
5/31/2017 23:30	4.355	134.5	4.815	12.98	29.61	0.01
5/31/2017 23:45	3.778	126.2	6.809	12.99	29.61	0.01
6/1/2017 0:00	3.895	124.2	6.997	13	29.61	0
6/1/2017 0:15	3.363	134	7.466	13.07	29.61	0.01
6/1/2017 0:30	3.158	138.9	7.791	13.1	29.61	0
6/1/2017 0:45	3.977	131.3	6.687	13.11	29.61	0
6/1/2017 1:00	3.483	135.1	7.065	13.16	29.61	0.01
6/1/2017 1:15	3.582	143.1	6.444	13.19	29.61	0
6/1/2017 1:30	3.6	160.2	9.35	13.24	29.61	0
6/1/2017 1:45	3.893	136.2	14.04	13.21	29.61	0
6/1/2017 2:00	5.477	127	7.351	13.21	29.61	0
6/1/2017 2:15	3.707	150.5	19.84	13.32	29.61	0
6/1/2017 2:30	3.965	155	13.27	13.38	29.61	0
6/1/2017 2:45	3.531	161.1	7.472	13.36	29.61	0
6/1/2017 3:00	2.673	162.9	5.913	13.43	29.62	0
6/1/2017 3:15	2.387	159.9	12.98	13.42	29.62	0
6/1/2017 3:30	3.946	180.8	8.44	13.63	29.62	0
6/1/2017 3:45	3.602	188.8	7.731	13.67	29.62	0
6/1/2017 4:00	3.957	177	11.3	13.61	29.63	0
6/1/2017 4:15	4.309	177.5	9.29	13.61	29.63	0
6/1/2017 4:30	4.14	175.6	9.15	13.55	29.63	0
6/1/2017 4:45	5.014	178.6	8.83	13.5	29.63	0
6/1/2017 5:00	3.659	169.9	9.78	13.35	29.64	0
6/1/2017 5:15	3.676	174.7	16.84	13.36	29.64	0.01
6/1/2017 5:30	5.561	187.3	6.723	13.4	29.64	0
6/1/2017 5:45	5.58	181.1	7.076	13.42	29.64	0
6/1/2017 6:00	4.008	174.7	13.9	13.43	29.65	0.01
6/1/2017 6:15	3.096	154.2	22.85	13.49	29.65	0
6/1/2017 6:30	4.514	178.2	8.25	13.52	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
6/1/2017 6:45	5.468	183.2	6.791	13.57	29.65	0
6/1/2017 7:00	5.112	170.8	13.42	13.62	29.66	0.01
6/1/2017 7:15	5.275	179.3	11.02	13.76	29.66	0
6/1/2017 7:30	6.638	194.3	10.68	13.98	29.66	0
6/1/2017 7:45	6.972	196.2	15.38	14.47	29.66	0
6/1/2017 8:00	7.319	205.5	10.01	14.43	29.67	0.01
6/1/2017 8:15	8.43	221.9	8.48	14.51	29.67	0
6/1/2017 8:30	7.048	220.3	11.08	14.67	29.67	0
6/1/2017 8:45	5.537	192.3	13.19	14.68	29.67	0
6/1/2017 9:00	6.074	219.1	13.27	14.86	29.7	0
6/1/2017 9:15	6.221	200.2	10.37	14.73	29.7	0
6/1/2017 9:30	6.459	200.9	11.87	14.94	29.7	0
6/1/2017 9:45	6.412	190	7.674	14.97	29.7	0
6/1/2017 10:00	7.237	188.8	11.61	15.17	29.71	0
6/1/2017 10:15	7.216	208.1	24.74	15.7	29.71	0
6/1/2017 10:30	6.503	240.6	17.09	15.99	29.71	0
6/1/2017 10:45	7.024	208.5	12.23	16.17	29.71	0
6/1/2017 11:00	6.525	266.8	42.46	16.15	29.73	0
6/1/2017 11:15	7.946	292.3	9.73	15.36	29.73	0
6/1/2017 11:30	7.573	279.2	13.44	15.59	29.73	0
6/1/2017 11:45	8.22	270.3	15.07	16.39	29.73	0
6/1/2017 12:00	10.31	254.3	18.09	17	29.74	0
6/1/2017 12:15	13.08	255.3	13.55	16.25	29.74	0
6/1/2017 12:30	10.74	247.1	9.22	15.96	29.74	0
6/1/2017 12:45	12.26	252.3	8.5	15.81	29.74	0
6/1/2017 13:00	8.4	246.2	9.25	15.62	29.73	0
6/1/2017 13:15	6.931	219.4	10.57	15.27	29.73	0
6/1/2017 13:30	5.477	206.2	24.68	16.31	29.73	0
6/1/2017 13:45	8.38	234.2	14.77	16.29	29.73	0
6/1/2017 14:00	9.74	236.8	14.19	16.73	29.74	0
6/1/2017 14:15	12.26	243.3	14.77	17	29.74	0
6/1/2017 14:30	13.54	250.1	11.9	16.74	29.74	0
6/1/2017 14:45	13.11	244.4	12.04	16.55	29.74	0
6/1/2017 15:00	11.76	251.3	12.81	16.07	29.75	0
6/1/2017 15:15	12.46	236.5	10.15	16.31	29.75	0
6/1/2017 15:30	11.9	230.1	12.75	16.65	29.75	0
6/1/2017 15:45	11.91	234.6	13.35	16.72	29.75	0
6/1/2017 16:00	12.22	233.8	8.92	16.43	29.76	0
6/1/2017 16:15	10.66	239.9	12.12	16.34	29.76	0
6/1/2017 16:30	12.71	237.6	10.04	16.16	29.76	0
6/1/2017 16:45	12.16	241.5	9.35	15.96	29.76	0
6/1/2017 17:00	13.89	244.8	8.87	15.5	29.76	0
6/1/2017 17:15	10.72	242.5	9.64	15.69	29.76	0
6/1/2017 17:30	11.99	242.5	8.24	15.63	29.76	0
6/1/2017 17:45	9.47	234.8	7.557	15.52	29.76	0
6/1/2017 18:00	9.47	243.2	7.223	15.39	29.76	0
6/1/2017 18:15	9.67	246.9	7.347	15.13	29.76	0
6/1/2017 18:30	9.89	248.8	8.08	14.96	29.76	0
6/1/2017 18:45	9.47	243.7	7.209	14.74	29.76	0
6/1/2017 19:00	10.42	250	7.341	14.5	29.77	0
6/1/2017 19:15	9.62	249.4	8.03	14.32	29.77	0
6/1/2017 19:30	8.77	246.3	6.873	14.19	29.77	0
6/1/2017 19:45	9.89	242.3	6.443	14.05	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
6/1/2017 20:00	7.371	240.9	8.51	13.86	29.77	0
6/1/2017 20:15	7.073	247.2	7.03	13.76	29.77	0
6/1/2017 20:30	5.839	245.1	6.667	13.73	29.77	0
6/1/2017 20:45	4.105	251.9	7.523	13.65	29.77	0
6/1/2017 21:00	3.531	241.3	8.3	13.71	29.8	0
6/1/2017 21:15	4.034	229.5	9.06	13.71	29.8	0
6/1/2017 21:30	5.266	216.5	9.46	13.58	29.8	0
6/1/2017 21:45	6.085	244.8	17.92	13.33	29.8	0
6/1/2017 22:00	4.981	247	5.11	13.23	29.79	0
6/1/2017 22:15	4.201	250.6	7.116	13.18	29.79	0
6/1/2017 22:30	2.68	241.8	5.447	13.09	29.79	0
6/1/2017 22:45	2.506	246.7	5.172	13.09	29.79	0
6/1/2017 23:00	2.467	185.9	34.04	12.98	29.8	0
6/1/2017 23:15	0.987	143.2	3.337	12.72	29.8	0
6/1/2017 23:30	1.209	155.1	23.65	12.54	29.8	0
6/1/2017 23:45	3.364	222	9.97	12.93	29.8	0
6/2/2017 0:00	3.214	239.9	13.84	12.96	29.81	0
6/2/2017 0:15	4.478	283.7	5.981	12.65	29.81	0
6/2/2017 0:30	3.068	291.6	5.452	12.54	29.81	0
6/2/2017 0:45	2.295	278.9	4.198	12.5	29.81	0
6/2/2017 1:00	2.495	256.9	8.33	12.52	29.82	0
6/2/2017 1:15	2.769	274.8	5.745	12.46	29.82	0
6/2/2017 1:30	1.153	72.41	63.46	12.19	29.82	0
6/2/2017 1:45	0.595	85.9	0.085	11.95	29.82	0
6/2/2017 2:00	0.584	87.8	0.838	11.94	29.83	0
6/2/2017 2:15	2.648	144.5	17.4	11.92	29.83	0
6/2/2017 2:30	3.92	134.8	4.786	11.73	29.83	0
6/2/2017 2:45	4.154	149.9	13.19	11.59	29.83	0
6/2/2017 3:00	4.953	149	7.355	11.63	29.84	0
6/2/2017 3:15	5.711	147	8.44	11.77	29.84	0
6/2/2017 3:30	5.806	164.6	9.64	11.83	29.84	0
6/2/2017 3:45	4.863	146.5	9.31	11.86	29.84	0
6/2/2017 4:00	4.307	133.8	6.929	11.82	29.85	0
6/2/2017 4:15	4.289	148.9	9.2	11.86	29.85	0
6/2/2017 4:30	3.856	149.3	4.87	11.8	29.85	0
6/2/2017 4:45	4.528	137.5	8.52	11.85	29.85	0
6/2/2017 5:00	3.967	133.5	7.377	11.88	29.86	0
6/2/2017 5:15	3.737	121.6	5.758	11.92	29.86	0
6/2/2017 5:30	3.32	119.9	6.566	12.04	29.86	0
6/2/2017 5:45	3.769	122.7	6.542	12.15	29.86	0
6/2/2017 6:00	4.564	133.6	7.357	12.19	29.87	0
6/2/2017 6:15	4.344	149.4	8.11	12.15	29.87	0
6/2/2017 6:30	4.525	136.3	14.6	12.38	29.87	0
6/2/2017 6:45	4.715	133	6.047	12.56	29.87	0
6/2/2017 7:00	3.403	158.6	19.44	12.74	29.9	0
6/2/2017 7:15	3.092	167.3	18.31	12.74	29.9	0
6/2/2017 7:30	4.156	176.8	19.34	13.04	29.9	0
6/2/2017 7:45	4.451	142.9	16.02	13.22	29.9	0
6/2/2017 8:00	3.457	114.2	23.83	13.62	29.94	0
6/2/2017 8:15	3.049	108.9	22.48	13.52	29.94	0
6/2/2017 8:30	2.453	94.1	30.2	14.04	29.94	0
6/2/2017 8:45	2.293	216.3	40.98	14.56	29.94	0
6/2/2017 9:00	5.218	236.9	21.84	14.69	29.96	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
6/2/2017 9:15	6.497	219.4	20.83	14.81	29.96	0
6/2/2017 9:30	5.707	202.7	17.79	15.18	29.96	0
6/2/2017 9:45	6.08	212.7	22.62	15.47	29.96	0
6/2/2017 10:00	5.21	206.9	19.63	16.22	29.98	0
6/2/2017 10:15	5.917	249.7	28.61	16.24	29.98	0
6/2/2017 10:30	5.518	241.2	25.37	16.33	29.98	0
6/2/2017 10:45	6.921	237.2	15.08	16.87	29.98	0
6/2/2017 11:00	5.608	184.7	44.41	17.39	29.98	0
6/2/2017 11:15	5.6	225.4	19.99	17.86	29.98	0
6/2/2017 11:30	3.499	194.2	51.93	18.01	29.98	0
6/2/2017 11:45	4.752	220.9	22.94	18.04	29.98	0
6/2/2017 12:00	3.568	245.7	24.68	18.1	29.95	0
6/2/2017 12:15	3.878	85.3	79.35	18.98	29.95	0
6/2/2017 12:30	3.565	135.8	77.6	19.08	29.95	0
6/2/2017 12:45	4.015	260.1	60.56	19.29	29.95	0
6/2/2017 13:00	4.142	270.4	31.75	19.85	29.92	0
6/2/2017 13:15	3.421	268.5	39.44	20.03	29.92	0
6/2/2017 13:30	3.606	284.8	53.96	20.08	29.92	0
6/2/2017 13:45	2.443	279.9	69.46	20.48	29.92	0
6/2/2017 14:00	3.412	255.1	44.41	20.93	29.89	0
6/2/2017 14:15	5.001	241.6	24.21	20.92	29.89	0
6/2/2017 14:30	5.683	275.6	44.26	20.5	29.89	0
6/2/2017 14:45	4.426	290.3	25.06	20.69	29.89	0
6/2/2017 15:00	2.74	76.82	67.38	21.02	29.87	0
6/2/2017 15:15	2.994	66.49	44.76	20.45	29.87	0
6/2/2017 15:30	4.266	351.6	17.22	20.79	29.87	0
6/2/2017 15:45	4.305	306	27.14	21	29.87	0
6/2/2017 16:00	6.626	332.3	18.03	21.42	29.84	0
6/2/2017 16:15	6.598	347.5	17.87	21.42	29.84	0
6/2/2017 16:30	7.567	301.5	22.51	21.65	29.84	0
6/2/2017 16:45	7.262	282.3	18.48	21.52	29.84	0
6/2/2017 17:00	6.148	312.7	29.37	21.12	29.81	0
6/2/2017 17:15	6.066	304.7	13.4	21.14	29.81	0
6/2/2017 17:30	5.072	335.2	24.38	21.19	29.81	0
6/2/2017 17:45	5.417	325.4	10.94	21.09	29.81	0
6/2/2017 18:00	5.519	305.5	11.02	20.94	29.79	0
6/2/2017 18:15	5.476	312.8	8.42	20.88	29.79	0
6/2/2017 18:30	4.969	311.9	7.078	20.53	29.79	0
6/2/2017 18:45	6.571	320.1	6.715	20.28	29.79	0
6/2/2017 19:00	6.51	319.2	3.936	19.13	29.76	0
6/2/2017 19:15	6.126	324	4.915	18.59	29.76	0
6/2/2017 19:30	4.214	8.56	27.71	18.25	29.76	0
6/2/2017 19:45	4.18	5.356	12.85	18.08	29.76	0
6/2/2017 20:00	3.813	40.07	18.82	17.54	29.73	0
6/2/2017 20:15	3.914	34.46	7.408	17.24	29.73	0
6/2/2017 20:30	2.661	15.14	27.95	17.15	29.73	0
6/2/2017 20:45	1.879	16.85	3.114	17.11	29.73	0
6/2/2017 21:00	3.452	43.12	8.49	16.45	29.7	0
6/2/2017 21:15	3.935	13.83	14.17	16.11	29.7	0
6/2/2017 21:30	1.965	359.8	23.76	15.88	29.7	0
6/2/2017 21:45	2.375	305.7	21.57	16.21	29.7	0
6/2/2017 22:00	0.933	342.8	45.05	15.48	29.71	0
6/2/2017 22:15	1.001	34.91	22.6	15.2	29.71	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
6/2/2017 22:30	2.445	17.09	8.45	14.74	29.71	0
6/2/2017 22:45	2.315	47.31	25.9	14.68	29.71	0
6/2/2017 23:00	2.128	150.6	25.72	14.06	29.71	0
6/2/2017 23:15	1.986	111.1	37.33	13.06	29.71	0
6/2/2017 23:30	2.159	142.3	35.23	13.37	29.71	0
6/2/2017 23:45	3.665	165.2	14.17	14.05	29.71	0
6/3/2017 0:00	5.659	170.8	7.822	13.39	29.71	0
6/3/2017 0:15	5.384	174	8.96	13.05	29.71	0
6/3/2017 0:30	5.451	148.2	8.54	12.84	29.71	0
6/3/2017 0:45	4.045	222.8	33.77	13.05	29.71	0
6/3/2017 1:00	3.056	191.3	14.18	12.83	29.74	0
6/3/2017 1:15	2.264	183	7.291	12.84	29.74	0
6/3/2017 1:30	0.705	193.5	6.201	12.82	29.74	0
6/3/2017 1:45	2.434	156.2	13.58	12.64	29.74	0
6/3/2017 2:00	4.016	177	15.58	12.38	29.77	0
6/3/2017 2:15	4.139	187.2	14.55	12.05	29.77	0
6/3/2017 2:30	4.18	145.7	17.8	11.97	29.77	0
6/3/2017 2:45	5.704	140.6	10.23	11.94	29.77	0
6/3/2017 3:00	7.479	159.3	5.534	11.94	29.8	0
6/3/2017 3:15	7.642	161.5	6.803	11.81	29.8	0
6/3/2017 3:30	8.03	160	7.521	11.85	29.8	0
6/3/2017 3:45	7.09	170	16.94	11.91	29.8	0
6/3/2017 4:00	6.604	171.4	11.6	11.93	29.82	0
6/3/2017 4:15	8.4	189.9	7.876	12.05	29.82	0
6/3/2017 4:30	7.062	198.7	7.106	11.98	29.82	0
6/3/2017 4:45	6.342	195.9	6.6	12.02	29.82	0
6/3/2017 5:00	4.339	145.2	21.92	11.86	29.83	0
6/3/2017 5:15	4.27	134.2	8.43	11.79	29.83	0
6/3/2017 5:30	4.833	133.9	6.546	11.84	29.83	0
6/3/2017 5:45	5.085	147.4	5.653	11.81	29.83	0
6/3/2017 6:00	3.343	137.9	10.23	11.84	29.84	0
6/3/2017 6:15	2.702	106.1	12.56	11.95	29.84	0
6/3/2017 6:30	3.896	144.3	8.69	12.07	29.84	0
6/3/2017 6:45	3.979	155	7.324	12.16	29.84	0
6/3/2017 7:00	4.674	153.8	6.733	12.36	29.87	0
6/3/2017 7:15	5.87	154	12.02	12.58	29.87	0
6/3/2017 7:30	6.882	165.6	18.62	12.81	29.87	0
6/3/2017 7:45	6.893	191.8	10.05	12.9	29.87	0
6/3/2017 8:00	6.58	184.3	11.94	13.01	29.91	0
6/3/2017 8:15	6.529	190.2	13.24	13.05	29.91	0
6/3/2017 8:30	5.516	187.8	17.62	13.34	29.91	0
6/3/2017 8:45	5.842	216.3	21.18	13.36	29.91	0
6/3/2017 9:00	5.636	187	17.04	13.5	29.92	0
6/3/2017 9:15	4.965	215.1	22.19	13.66	29.92	0
6/3/2017 9:30	4.584	226.3	21.35	13.65	29.92	0
6/3/2017 9:45	4.247	233.7	18.93	13.78	29.92	0
6/3/2017 10:00	5.414	233.2	13.3	13.79	29.93	0
6/3/2017 10:15	4.85	220.6	11.84	13.97	29.93	0
6/3/2017 10:30	3.845	225.3	19.66	14.08	29.93	0
6/3/2017 10:45	4.144	243.4	26.19	14.32	29.93	0
6/3/2017 11:00	3.075	257.3	32.19	14.38	29.94	0
6/3/2017 11:15	4.066	220.5	22.52	14.59	29.94	0
6/3/2017 11:30	3.372	196	41.71	14.93	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
6/3/2017 11:45	2.619	211.6	47.93	15.25	29.94	0
6/3/2017 12:00	3.868	225.2	47.76	15.4	29.94	0
6/3/2017 12:15	3.599	264.3	21.16	15.04	29.94	0
6/3/2017 12:30	4.674	276.2	24.15	15.27	29.94	0
6/3/2017 12:45	5.285	251	19.28	15.52	29.94	0
6/3/2017 13:00	5.896	268.8	19.61	15.25	29.93	0
6/3/2017 13:15	5.461	286.5	11.55	15.36	29.93	0
6/3/2017 13:30	5.155	273.2	15.47	15.68	29.93	0
6/3/2017 13:45	3.091	259.6	38.94	15.96	29.93	0
6/3/2017 14:00	2.864	312.8	29.91	15.94	29.93	0
6/3/2017 14:15	3.552	274	45.34	16.49	29.93	0
6/3/2017 14:30	4.77	315.4	39.06	16.28	29.93	0
6/3/2017 14:45	4.158	321.9	35.06	16.26	29.93	0
6/3/2017 15:00	2.459	321.2	10.62	16.26	29.91	0
6/3/2017 15:15	2.298	346.7	41.75	16.4	29.91	0
6/3/2017 15:30	2.07	345.6	46.45	16.59	29.91	0
6/3/2017 15:45	3.235	348.8	26.33	16.3	29.91	0
6/3/2017 16:00	5.287	49.2	7.995	16	29.89	0
6/3/2017 16:15	3.128	48.24	25.84	16.17	29.89	0
6/3/2017 16:30	3.247	22.17	21.84	16.15	29.89	0
6/3/2017 16:45	5.006	328.2	12.49	16.39	29.89	0
6/3/2017 17:00	2.78	349.2	21.22	16.34	29.88	0
6/3/2017 17:15	2.904	5.06	16.54	16.47	29.88	0
6/3/2017 17:30	1.653	359.7	11.86	16.39	29.88	0
6/3/2017 17:45	3.388	32.03	14.72	15.98	29.88	0
6/3/2017 18:00	2.954	30.64	7.313	15.81	29.86	0
6/3/2017 18:15	3.917	23.03	7.104	15.62	29.86	0
6/3/2017 18:30	4.55	28.01	4.55	15.44	29.86	0
6/3/2017 18:45	3.641	22.91	3.997	15.32	29.86	0
6/3/2017 19:00	3.765	12.66	8.5	15.22	29.85	0
6/3/2017 19:15	4.413	16.04	10.11	15.04	29.85	0
6/3/2017 19:30	4.691	18.13	10.04	14.87	29.85	0
6/3/2017 19:45	5.386	19.44	9.18	14.52	29.85	0
6/3/2017 20:00	4.89	15.15	13.8	14.34	29.82	0
6/3/2017 20:15	5.333	12.38	5.39	14.16	29.82	0
6/3/2017 20:30	3.931	1.419	32.7	14.16	29.82	0
6/3/2017 20:45	3.721	334.8	42.72	14.44	29.82	0
6/3/2017 21:00	3.375	353.5	41.14	14.18	29.84	0
6/3/2017 21:15	5.277	18.58	30.98	13.49	29.84	0
6/3/2017 21:30	10.01	26.94	10.92	13.16	29.84	0
6/3/2017 21:45	8.69	18.86	10.44	12.9	29.84	0
6/3/2017 22:00	8.55	18.22	8.57	12.54	29.83	0
6/3/2017 22:15	7.607	23.44	11.1	12.31	29.83	0
6/3/2017 22:30	8.62	24.46	10.26	12.08	29.83	0
6/3/2017 22:45	6.412	20.61	11.89	12	29.83	0
6/3/2017 23:00	3.054	336.7	56.16	11.89	29.84	0
6/3/2017 23:15	3.604	344.7	52.71	11.68	29.84	0
6/3/2017 23:30	8.78	29.97	11.93	11.74	29.84	0
6/3/2017 23:45	7.632	21.59	10.46	11.17	29.84	0
6/4/2017 0:00	5.202	23.18	7.469	10.72	29.83	0
6/4/2017 0:15	4.54	36.57	14.92	10.88	29.83	0
6/4/2017 0:30	7.059	24.06	7.938	10.58	29.83	0
6/4/2017 0:45	6.878	32.96	7.477	10.59	29.83	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
6/4/2017 1:00	6.191	36.1	6.022	10.56	29.84	0
6/4/2017 1:15	3.833	46.78	9.35	10.48	29.84	0
6/4/2017 1:30	4.655	43.81	12.9	10.6	29.84	0
6/4/2017 1:45	5.568	37.63	8.65	10.49	29.84	0
6/4/2017 2:00	5.756	35.2	11.23	10.42	29.85	0
6/4/2017 2:15	4.279	32.47	11.29	10.38	29.85	0
6/4/2017 2:30	4.473	33.77	12.06	10.4	29.85	0
6/4/2017 2:45	4.63	34.04	10.95	10.42	29.85	0
6/4/2017 3:00	3.502	47.28	10.01	10.34	29.85	0
6/4/2017 3:15	5.426	34.64	6.377	10.33	29.85	0
6/4/2017 3:30	3.714	35.14	8.42	10.27	29.85	0
6/4/2017 3:45	3.502	41.5	7.907	10.19	29.85	0
6/4/2017 4:00	4.293	33.13	4.94	10.14	29.87	0
6/4/2017 4:15	4.323	38.72	6.808	10.08	29.87	0
6/4/2017 4:30	5.029	38.99	7.934	10.04	29.87	0
6/4/2017 4:45	3.324	44.28	7.012	10.12	29.87	0
6/4/2017 5:00	2.78	41.78	11.7	10.09	29.89	0
6/4/2017 5:15	3.988	42.38	4.212	10.01	29.89	0
6/4/2017 5:30	4.341	33.54	7.211	9.96	29.89	0
6/4/2017 5:45	3.494	28.44	2.467	9.85	29.89	0
6/4/2017 6:00	4.105	26.17	4.112	9.88	29.89	0
6/4/2017 6:15	4.317	37.81	7.861	9.88	29.89	0
6/4/2017 6:30	3.968	52.13	9.66	9.84	29.89	0
6/4/2017 6:45	3.875	46.94	9.92	9.89	29.89	0
6/4/2017 7:00	2.948	53.1	2.313	9.95	29.91	0
6/4/2017 7:15	2.357	44.17	2.315	10.15	29.91	0
6/4/2017 7:30	1.935	42.5	1.494	10.38	29.91	0
6/4/2017 7:45	1.864	31.01	12.44	10.58	29.91	0
6/4/2017 8:00	1.013	199.8	71.49	10.81	29.94	0
6/4/2017 8:15	2.653	137.3	14.08	10.99	29.94	0
6/4/2017 8:30	2.35	146	15.06	11.14	29.94	0
6/4/2017 8:45	4.619	195.4	25.14	10.9	29.94	0
6/4/2017 9:00	3.91	204.2	9.07	10.99	29.95	0
6/4/2017 9:15	3.365	210.4	11.44	11.22	29.95	0
6/4/2017 9:30	3.269	207.6	7.769	11.28	29.95	0
6/4/2017 9:45	3.362	196.4	25.38	11.78	29.95	0
6/4/2017 10:00	3.205	200.5	27.8	11.98	29.97	0
6/4/2017 10:15	3.588	141.7	11.98	12.47	29.97	0
6/4/2017 10:30	3.398	173.5	24.52	12.63	29.97	0
6/4/2017 10:45	2.522	159.8	30.44	13.16	29.97	0
6/4/2017 11:00	2.574	204.6	40.14	13.48	30	0
6/4/2017 11:15	2.871	137.7	27.72	13.77	30	0
6/4/2017 11:30	3.321	154.3	43.32	14.54	30	0
6/4/2017 11:45	6.172	218.8	25.52	14.97	30	0
6/4/2017 12:00	6.917	255.5	14.94	15.19	30	0
6/4/2017 12:15	5.531	257.1	18.4	14.42	30	0
6/4/2017 12:30	4.132	239.3	24.88	14.75	30	0
6/4/2017 12:45	3.814	239.7	36.31	15.21	30	0
6/4/2017 13:00	3.427	290.6	27.59	14.85	29.99	0
6/4/2017 13:15	3.137	332.9	32.04	15	29.99	0
6/4/2017 13:30	4.244	322.7	22.54	15.09	29.99	0
6/4/2017 13:45	3.198	227.3	51.71	16.59	29.99	0
6/4/2017 14:00	6.095	284.5	46.23	16.62	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
6/4/2017 14:15	4.667	313.9	35.77	17.11	30	0
6/4/2017 14:30	4.245	310.7	46.48	16.71	30	0
6/4/2017 14:45	5.874	228.1	35.32	17.51	30	0
6/4/2017 15:00	4.907	273.4	45.92	17.69	30.01	0
6/4/2017 15:15	4.926	291.6	27.91	17.88	30.01	0
6/4/2017 15:30	4.19	249	36.71	17.06	30.01	0
6/4/2017 15:45	5.816	245.2	19.32	17.58	30.01	0
6/4/2017 16:00	4.841	245.8	26.59	17.65	29.99	0
6/4/2017 16:15	2.479	258	43.98	17.44	29.99	0
6/4/2017 16:30	5.288	237.8	21.92	17.24	29.99	0
6/4/2017 16:45	4.994	280.4	31.15	17.97	29.99	0
6/4/2017 17:00	5.642	277	18.13	17.92	29.99	0
6/4/2017 17:15	7.52	283.2	11.88	17.76	29.99	0
6/4/2017 17:30	6.455	292.3	20.13	17.81	29.99	0
6/4/2017 17:45	8.36	295.5	12.62	17.48	29.99	0
6/4/2017 18:00	10.2	295.6	9.91	17.04	29.98	0
6/4/2017 18:15	8.06	309.4	13.42	16.93	29.98	0
6/4/2017 18:30	6.985	317.9	7.064	16.69	29.98	0
6/4/2017 18:45	7.173	321.3	5.026	16.28	29.98	0
6/4/2017 19:00	5.496	309.2	5.906	16.16	29.96	0
6/4/2017 19:15	5.923	311.9	5.974	15.36	29.96	0
6/4/2017 19:30	5.765	339.6	16.79	14.92	29.96	0
6/4/2017 19:45	4.995	342.3	4.105	14.66	29.96	0
6/4/2017 20:00	5.191	0.295	15.71	14.63	29.96	0
6/4/2017 20:15	3.679	37.97	5.114	14.06	29.96	0
6/4/2017 20:30	5.124	22.88	5.63	13.64	29.96	0
6/4/2017 20:45	5.406	26.77	8.56	13.51	29.96	0
6/4/2017 21:00	4.278	37.9	14.01	13.03	29.97	0
6/4/2017 21:15	7.176	22.66	17.69	12.99	29.97	0
6/4/2017 21:30	7.439	11.86	17.26	12.76	29.97	0
6/4/2017 21:45	8.94	25.46	9.97	12.1	29.97	0
6/4/2017 22:00	8.57	30.48	10.99	11.8	29.99	0
6/4/2017 22:15	7.684	41.94	7.474	11.23	29.99	0
6/4/2017 22:30	6.645	40.62	7.162	10.97	29.99	0
6/4/2017 22:45	8.4	28.9	7.84	11	29.99	0
6/4/2017 23:00	8.18	29.94	7.162	10.64	30	0
6/4/2017 23:15	7.629	36.18	8.88	10.21	30	0
6/4/2017 23:30	6.333	68.01	12.78	9.91	30	0
6/4/2017 23:45	5.469	70.8	15.54	10.12	30	0
6/5/2017 0:00	5.636	72.11	9.3	9.99	30.02	0
6/5/2017 0:15	4.983	82.7	11.97	10	30.02	0
6/5/2017 0:30	4.897	100.3	5.115	9.83	30.02	0
6/5/2017 0:45	4.243	93.1	5.806	9.63	30.02	0
6/5/2017 1:00	3.794	57.19	11.36	9.48	30.02	0
6/5/2017 1:15	4.102	40.68	6.14	9.04	30.02	0
6/5/2017 1:30	3.73	44.04	5.048	8.86	30.02	0
6/5/2017 1:45	2.756	52.51	2.081	8.87	30.02	0
6/5/2017 2:00	2.102	61.01	5.076	9.11	30.01	0
6/5/2017 2:15	2.294	62.91	6.138	9.04	30.01	0
6/5/2017 2:30	2.203	54.06	0.209	8.82	30.01	0
6/5/2017 2:45	1.938	54.07	0.205	8.95	30.01	0
6/5/2017 3:00	2.715	55.83	1.578	8.73	30.01	0
6/5/2017 3:15	3.203	64.59	5.513	8.46	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
6/5/2017 3:30	3.766	55.67	6.738	8.04	30.01	0
6/5/2017 3:45	3.176	46.03	5.628	8.11	30.01	0
6/5/2017 4:00	3.033	59.97	5.251	7.912	30	0
6/5/2017 4:15	3.309	60.92	6.045	7.549	30	0
6/5/2017 4:30	2.859	48.41	6.399	7.505	30	0
6/5/2017 4:45	2.039	60.4	1.357	7.536	30	0
6/5/2017 5:00	2.207	64.64	4.401	8.26	30	0
6/5/2017 5:15	2.312	79.76	4.045	8.44	30	0
6/5/2017 5:30	1.237	81.6	0.808	9.36	30	0
6/5/2017 5:45	0.466	77.61	0.064	9.72	30	0
6/5/2017 6:00	0.506	73.22	3.338	9.64	30	0
6/5/2017 6:15	0.34	68.2	0.082	10.59	30	0
6/5/2017 6:30	0.562	67.08	5.034	10.96	30	0
6/5/2017 6:45	1.863	48.32	8.02	10.87	30	0
6/5/2017 7:00	2.007	43.3	13.07	10.89	30	0
6/5/2017 7:15	1.785	44.45	15.09	11.42	30	0
6/5/2017 7:30	2.028	42.71	17.56	11.75	30	0
6/5/2017 7:45	2.352	358.6	14.7	12.22	30	0
6/5/2017 8:00	3.034	359.8	25.47	12.7	30	0
6/5/2017 8:15	3.169	5.876	32.23	12.94	30	0
6/5/2017 8:30	4.831	0.824	23.27	13.59	30	0
6/5/2017 8:45	5.491	28.25	21.19	13.74	30	0
6/5/2017 9:00	6.566	31.31	16.82	14.18	29.98	0
6/5/2017 9:15	2.626	13	35.96	14.88	29.98	0
6/5/2017 9:30	4.725	14.93	48.21	15.34	29.98	0
6/5/2017 9:45	7.609	25.96	17.86	15.81	29.98	0
6/5/2017 10:00	7.576	17.96	16.24	16.29	29.96	0
6/5/2017 10:15	8.51	10.26	19.27	16.46	29.96	0
6/5/2017 10:30	9.37	355.9	14.58	16.94	29.96	0
6/5/2017 10:45	8.91	17.53	21.83	17.18	29.96	0
6/5/2017 11:00	10.5	31.7	16.06	17.22	29.94	0
6/5/2017 11:15	8.01	11.65	27.35	18	29.94	0
6/5/2017 11:30	6.755	356.7	31.57	18.62	29.94	0
6/5/2017 11:45	5.938	13.82	25.19	18.88	29.94	0
6/5/2017 12:00	7.285	335.8	25.02	19.02	29.93	0
6/5/2017 12:15	7.019	4.239	38.21	19.44	29.93	0
6/5/2017 12:30	6.097	328.1	26.42	19.62	29.93	0
6/5/2017 12:45	7.34	331.8	27.54	20.1	29.93	0
6/5/2017 13:00	8.66	306.6	13.47	20.41	29.92	0
6/5/2017 13:15	7.483	347.7	46.98	20.6	29.92	0
6/5/2017 13:30	5.93	311.1	28.33	21.2	29.92	0
6/5/2017 13:45	6.616	330.7	34.91	21.11	29.92	0
6/5/2017 14:00	6.036	354.9	39.11	21.45	29.89	0
6/5/2017 14:15	8.09	15.95	22.27	21.09	29.89	0
6/5/2017 14:30	6.78	2.357	29.88	21.63	29.89	0
6/5/2017 14:45	7.224	341.6	24.6	21.87	29.89	0
6/5/2017 15:00	8.56	317.7	10.69	22.02	29.88	0
6/5/2017 15:15	6.465	337.5	28.27	22.01	29.88	0
6/5/2017 15:30	7.292	327.2	19.37	22.33	29.88	0
6/5/2017 15:45	6.757	329.9	15.07	22	29.88	0
6/5/2017 16:00	5.258	3.057	24.58	22.17	29.86	0
6/5/2017 16:15	5.699	358.9	26.01	21.96	29.86	0
6/5/2017 16:30	6.614	330	17.82	22.1	29.86	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
6/5/2017 16:45	6.999	331.9	18.04	22.37	29.86	0
6/5/2017 17:00	6.149	344.6	27.58	22.25	29.85	0
6/5/2017 17:15	6.942	340.4	25.45	22.32	29.85	0
6/5/2017 17:30	6.967	9.3	14.91	21.75	29.85	0
6/5/2017 17:45	7.958	343.7	28.65	21.51	29.85	0
6/5/2017 18:00	8.81	327.4	6.913	21.49	29.84	0
6/5/2017 18:15	8.1	328.6	8.13	21.17	29.84	0
6/5/2017 18:30	8.73	328.3	8.68	20.87	29.84	0
6/5/2017 18:45	8.72	328.8	8.48	20.47	29.84	0
6/5/2017 19:00	7.158	328.9	5.598	19.65	29.84	0
6/5/2017 19:15	6.745	330.3	8.53	19.17	29.84	0
6/5/2017 19:30	4.192	357.7	18.69	18.95	29.84	0
6/5/2017 19:45	4.377	18.33	17.02	18.5	29.84	0
6/5/2017 20:00	8.19	35.38	9.63	17.71	29.83	0
6/5/2017 20:15	7.628	30.03	9.57	17.31	29.83	0
6/5/2017 20:30	5.688	37.51	9.04	17.14	29.83	0
6/5/2017 20:45	5.177	34.55	11.28	16.88	29.83	0
6/5/2017 21:00	5.952	36.25	15.15	16.67	29.83	0
6/5/2017 21:15	7.991	34.9	10.12	16.62	29.83	0
6/5/2017 21:30	6.993	36.48	10.88	16.37	29.83	0
6/5/2017 21:45	7.602	37.43	8.07	15.81	29.83	0
6/5/2017 22:00	8.26	32.14	8.99	15.49	29.82	0
6/5/2017 22:15	10.72	29.41	8.31	15.37	29.82	0
6/5/2017 22:30	12.11	30.69	8.84	15.11	29.82	0
6/5/2017 22:45	11.82	31.85	8.71	14.88	29.82	0
6/5/2017 23:00	12.01	32.49	8.66	14.63	29.8	0
6/5/2017 23:15	12.28	33.39	9.1	14.24	29.8	0
6/5/2017 23:30	12.68	32.16	9.35	14	29.8	0
6/5/2017 23:45	12.78	34.16	9.61	13.77	29.8	0
6/6/2017 0:00	12.61	31.1	9.43	13.47	29.79	0
6/6/2017 0:15	8.16	26.9	13.01	13.11	29.79	0
6/6/2017 0:30	1.944	17.34	47.67	13.08	29.79	0
6/6/2017 0:45	5.041	44.49	9.31	12.62	29.79	0
6/6/2017 1:00	11.28	39.01	9.12	12.37	29.79	0
6/6/2017 1:15	10.16	36.22	7.433	12.43	29.79	0
6/6/2017 1:30	9.89	34.75	8.22	12.32	29.79	0
6/6/2017 1:45	8.7	39.82	7.557	12.07	29.79	0
6/6/2017 2:00	6.744	45.68	9.44	11.97	29.79	0
6/6/2017 2:15	6.975	47.18	12.23	11.83	29.79	0
6/6/2017 2:30	4.765	38.73	8.86	11.51	29.79	0
6/6/2017 2:45	6.717	26.53	9.24	11.17	29.79	0
6/6/2017 3:00	6.994	35.03	8.85	11.67	29.78	0
6/6/2017 3:15	6.626	43.27	8	11.53	29.78	0
6/6/2017 3:30	5.223	25.69	7.97	11.08	29.78	0
6/6/2017 3:45	4.415	33.31	6.512	11.24	29.78	0
6/6/2017 4:00	6.372	44.11	7.389	11.05	29.77	0
6/6/2017 4:15	6.387	40.96	7.303	10.47	29.77	0
6/6/2017 4:30	6.086	37.48	6.257	10.67	29.77	0
6/6/2017 4:45	5.765	39.91	6.18	10.41	29.77	0
6/6/2017 5:00	5.197	34.95	6.403	10.37	29.76	0
6/6/2017 5:15	4.485	35.36	5.189	10.34	29.76	0
6/6/2017 5:30	4.427	34.59	3.459	10.18	29.76	0
6/6/2017 5:45	3.935	32.2	4.446	10.7	29.76	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
6/6/2017 6:00	3.32	40.75	7.035	10.34	29.76	0
6/6/2017 6:15	2.891	17.74	6.012	10.53	29.76	0
6/6/2017 6:30	2.21	357	11.93	11.51	29.76	0
6/6/2017 6:45	1.907	9.31	11	12.22	29.76	0
6/6/2017 7:00	2.913	32.32	4.164	12.56	29.75	0
6/6/2017 7:15	1.545	21.63	19.2	13.81	29.75	0
6/6/2017 7:30	2.221	67.21	13.88	14.66	29.75	0
6/6/2017 7:45	0.738	48.12	52.48	16.07	29.75	0
6/6/2017 8:00	2.364	246.9	22.55	16.17	29.75	0
6/6/2017 8:15	2.141	288.3	26.58	16.64	29.75	0
6/6/2017 8:30	2.691	292.1	19.43	17.31	29.75	0
6/6/2017 8:45	2.161	29.9	36.7	18.01	29.75	0
6/6/2017 9:00	2.03	236.6	51.48	18.62	29.74	0
6/6/2017 9:15	3.25	233	58.65	19.45	29.74	0
6/6/2017 9:30	3.212	317.3	35.29	19.81	29.74	0
6/6/2017 9:45	4.605	282.5	15.75	19.68	29.74	0
6/6/2017 10:00	4.289	297.6	16.8	20.3	29.72	0
6/6/2017 10:15	4.27	303.3	25.44	20.93	29.72	0
6/6/2017 10:30	3.572	300.1	27.1	21.21	29.72	0
6/6/2017 10:45	2.743	304.1	19.77	21.98	29.72	0
6/6/2017 11:00	2.986	290.3	42.85	22.69	29.71	0
6/6/2017 11:15	3.991	288.7	16.59	22.95	29.71	0
6/6/2017 11:30	4.403	281.7	26.83	23.65	29.71	0
6/6/2017 11:45	5.414	285	19.13	23.93	29.71	0
6/6/2017 12:00	5.056	299.1	25.38	24.4	29.68	0
6/6/2017 12:15	6.418	281.6	14.9	24.77	29.68	0
6/6/2017 12:30	7.333	277.7	18.34	25.26	29.68	0
6/6/2017 12:45	7.257	272.2	13.93	25.92	29.68	0
6/6/2017 13:00	8.48	277.1	13.01	26.34	29.66	0
6/6/2017 13:15	8.31	295.5	14.85	27.01	29.66	0
6/6/2017 13:30	7.263	296.3	16.13	27.3	29.66	0
6/6/2017 13:45	9.45	297.5	13.33	27.37	29.66	0
6/6/2017 14:00	10.66	274.3	13.11	27.1	29.64	0
6/6/2017 14:15	9.44	284.7	12.13	27.45	29.64	0
6/6/2017 14:30	11.07	290.4	10.39	27.63	29.64	0
6/6/2017 14:45	10.5	285.9	16.34	27.67	29.64	0
6/6/2017 15:00	8.34	294	18.09	27.99	29.65	0
6/6/2017 15:15	9.35	302	9.87	27.77	29.65	0
6/6/2017 15:30	8.42	297.1	19.79	28.06	29.65	0
6/6/2017 15:45	6.164	293	21.51	28.48	29.65	0
6/6/2017 16:00	6.342	295.5	25.88	28.19	29.65	0
6/6/2017 16:15	5.522	299.8	17.86	28.32	29.65	0
6/6/2017 16:30	4.003	254.8	32.31	28.4	29.65	0
6/6/2017 16:45	3.957	275.3	29.77	28.48	29.65	0
6/6/2017 17:00	3.177	267.7	32.11	28.61	29.65	0
6/6/2017 17:15	5.345	243.3	21.41	28.44	29.65	0
6/6/2017 17:30	7.695	240.5	12.25	27.97	29.65	0
6/6/2017 17:45	8.41	229	12.15	27.7	29.65	0
6/6/2017 18:00	5.451	256.2	18.5	27.48	29.64	0
6/6/2017 18:15	4.462	235.1	10.96	27.12	29.64	0
6/6/2017 18:30	4.624	232	5.761	26.9	29.64	0
6/6/2017 18:45	4.143	231.5	6.873	26.7	29.64	0
6/6/2017 19:00	3.052	230.2	5.065	26.37	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
6/6/2017 19:15	2.383	235.3	4.138	26.11	29.63	0
6/6/2017 19:30	1.591	226.9	0.313	25.71	29.63	0
6/6/2017 19:45	0.872	226.9	0.127	25.45	29.63	0
6/6/2017 20:00	3.006	241.1	8.55	24.34	29.63	0
6/6/2017 20:15	7.99	265.4	10.51	23	29.63	0
6/6/2017 20:30	7.745	273.6	5.904	22.52	29.63	0
6/6/2017 20:45	4.331	246.6	10.2	22.13	29.63	0
6/6/2017 21:00	4.308	250.1	5.865	21.51	29.65	0
6/6/2017 21:15	6.52	211.5	7.394	20.65	29.65	0
6/6/2017 21:30	5.893	188.3	22.96	19.95	29.65	0
6/6/2017 21:45	4.972	155.3	27.36	18.58	29.65	0
6/6/2017 22:00	6.759	183.4	7.694	18.48	29.67	0
6/6/2017 22:15	7.363	207.5	9.48	18.99	29.67	0
6/6/2017 22:30	6.478	194.6	8.13	18.73	29.67	0
6/6/2017 22:45	6.204	206.1	10.32	18.31	29.67	0
6/6/2017 23:00	4.885	210.7	17.73	18.14	29.68	0
6/6/2017 23:15	3.98	188.1	14.9	17.5	29.68	0
6/6/2017 23:30	3.412	195	15.68	17.56	29.68	0
6/6/2017 23:45	5.801	198.5	3.483	16.9	29.68	0
6/7/2017 0:00	6.128	198.9	4.979	16.66	29.67	0
6/7/2017 0:15	5.703	179.3	6.451	15.94	29.67	0
6/7/2017 0:30	4.656	187.1	7.571	15.73	29.67	0
6/7/2017 0:45	5.07	198.7	3.72	15.8	29.67	0
6/7/2017 1:00	4.194	193.2	5.503	15.79	29.67	0
6/7/2017 1:15	3.733	186.4	14.41	15.63	29.67	0
6/7/2017 1:30	2.443	162.3	4.388	15.47	29.67	0
6/7/2017 1:45	2.566	174.4	2.688	15.68	29.67	0
6/7/2017 2:00	1.973	164.1	6.826	15.6	29.65	0
6/7/2017 2:15	1.362	138.4	3.571	15.42	29.65	0
6/7/2017 2:30	0.646	107.6	51.01	15.24	29.65	0
6/7/2017 2:45	1.43	6.345	1.419	15.03	29.65	0
6/7/2017 3:00	2.033	351.2	14.46	14.78	29.63	0
6/7/2017 3:15	3.148	332.1	0.11	14.26	29.63	0
6/7/2017 3:30	3.742	318.9	12.18	14.47	29.63	0
6/7/2017 3:45	3.388	294.2	10.41	14.23	29.63	0
6/7/2017 4:00	3.529	294.3	12.95	13.79	29.6	0
6/7/2017 4:15	5.877	292.7	2.704	13.57	29.6	0
6/7/2017 4:30	4.774	277.6	11.13	13.52	29.6	0
6/7/2017 4:45	2.121	257.1	15.39	12.56	29.6	0
6/7/2017 5:00	1.129	296.1	3.83	12.4	29.6	0
6/7/2017 5:15	2.234	265.7	16.87	13.14	29.6	0
6/7/2017 5:30	3.732	240.2	16.51	13.51	29.6	0
6/7/2017 5:45	3.099	190.7	13.28	12.34	29.6	0
6/7/2017 6:00	3.02	173.1	8.62	12.71	29.59	0
6/7/2017 6:15	2.816	158.6	7.853	12.88	29.59	0
6/7/2017 6:30	2.823	183.1	12.53	13.42	29.59	0
6/7/2017 6:45	3.283	192.8	11.74	13.33	29.59	0
6/7/2017 7:00	1.416	194.7	21.93	13.52	29.58	0
6/7/2017 7:15	1.483	145.5	9.46	14.82	29.58	0
6/7/2017 7:30	1.273	95.5	26.52	16.29	29.58	0
6/7/2017 7:45	1.796	33.11	17.7	16.81	29.58	0
6/7/2017 8:00	2.042	105.4	18.75	17.94	29.55	0
6/7/2017 8:15	1.496	2.446	34.49	18.28	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
6/7/2017 8:30	3.675	263	58.8	18.51	29.55	0
6/7/2017 8:45	3.406	323.2	23.56	18.35	29.55	0
6/7/2017 9:00	3.668	321.5	17.31	18.92	29.51	0
6/7/2017 9:15	3.068	288.8	39.15	19.57	29.51	0
6/7/2017 9:30	3.748	299.6	33.81	20.1	29.51	0
6/7/2017 9:45	3.69	271.1	29.67	20.49	29.51	0
6/7/2017 10:00	5.927	279.1	15.53	20.89	29.49	0
6/7/2017 10:15	6.299	279.3	14.58	21.08	29.49	0
6/7/2017 10:30	6.272	253.7	13.62	21.46	29.49	0
6/7/2017 10:45	4.949	265.3	21.07	21.72	29.49	0
6/7/2017 11:00	6.035	260.7	21.89	22.18	29.47	0
6/7/2017 11:15	4.775	279.9	22.99	22.55	29.47	0
6/7/2017 11:30	4.8	295	21.73	23.01	29.47	0
6/7/2017 11:45	6.223	266.9	21.93	23.37	29.47	0
6/7/2017 12:00	5.571	257	20.45	23.24	29.45	0
6/7/2017 12:15	6.384	273.9	17.02	23.48	29.45	0
6/7/2017 12:30	6.744	262.4	15.93	23.53	29.45	0
6/7/2017 12:45	5.203	260	29.29	23.88	29.45	0
6/7/2017 13:00	6.083	249.1	24.43	24.02	29.44	0
6/7/2017 13:15	5	234.4	25.61	24.54	29.44	0
6/7/2017 13:30	7.798	216.8	14.84	25.14	29.44	0
6/7/2017 13:45	6.652	218.3	15	25.01	29.44	0
6/7/2017 14:00	4.117	205.5	31.58	24.99	29.42	0
6/7/2017 14:15	4.874	213.4	36.96	25.21	29.42	0
6/7/2017 14:30	4.945	217.9	27.11	25.53	29.42	0
6/7/2017 14:45	6.044	218.9	23.39	25.63	29.42	0
6/7/2017 15:00	8.82	246.1	18.6	26.08	29.42	0
6/7/2017 15:15	9.48	243.5	16.36	25.67	29.42	0
6/7/2017 15:30	7.82	262.3	9.86	25.59	29.42	0
6/7/2017 15:45	7.036	247.2	21.87	25.29	29.42	0
6/7/2017 16:00	7.454	237.4	12	25.02	29.41	0
6/7/2017 16:15	6.572	247.3	11.09	24.45	29.41	0
6/7/2017 16:30	5.218	262.3	13.4	24.19	29.41	0
6/7/2017 16:45	2.962	267.7	25.55	24.84	29.41	0
6/7/2017 17:00	5.283	248.2	11.71	24.85	29.4	0
6/7/2017 17:15	5.274	258.7	12.68	24.84	29.4	0
6/7/2017 17:30	4.972	255.4	12.85	24.81	29.4	0
6/7/2017 17:45	5.96	265.4	12.6	24.71	29.4	0
6/7/2017 18:00	4.851	265	10.5	24.38	29.39	0
6/7/2017 18:15	4.811	253.6	13.43	24.11	29.39	0
6/7/2017 18:30	3.43	266.6	7.255	23.97	29.39	0
6/7/2017 18:45	4.573	290.8	8.75	23.68	29.39	0
6/7/2017 19:00	10.07	266.3	8.48	22.85	29.39	0
6/7/2017 19:15	9.89	267.9	6.392	22.11	29.39	0
6/7/2017 19:30	9.47	261.3	10.29	21.77	29.39	0
6/7/2017 19:45	7.29	254.7	10.27	21.36	29.39	0
6/7/2017 20:00	7.724	246.6	8.5	20.9	29.42	0
6/7/2017 20:15	8.4	239.3	9.89	20.33	29.42	0
6/7/2017 20:30	8.73	239.1	12.63	19.56	29.42	0
6/7/2017 20:45	7.114	242.3	11.28	19.05	29.42	0
6/7/2017 21:00	6.772	237.4	10.16	18.52	29.44	0
6/7/2017 21:15	6.871	226.6	12.04	18.41	29.44	0
6/7/2017 21:30	6.861	210.6	11.96	18.1	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
6/7/2017 21:45	9.32	222.6	12.23	17.95	29.44	0
6/7/2017 22:00	9.64	235.2	10.07	17.57	29.46	0
6/7/2017 22:15	13.37	256.7	9.34	16.64	29.46	0
6/7/2017 22:30	9.58	243.6	14.29	16.55	29.46	0
6/7/2017 22:45	5.397	226.8	14.97	16.35	29.46	0
6/7/2017 23:00	3.812	220	16.48	15.81	29.45	0
6/7/2017 23:15	5.254	226.1	14.87	14.99	29.45	0
6/7/2017 23:30	1.307	229.3	31.47	14.27	29.45	0.01
6/7/2017 23:45	1.904	143.1	14.23	13.57	29.45	0.01
6/8/2017 0:00	0.156	136.1	0.024	13.27	29.44	0.02
6/8/2017 0:15	1.39	128.7	2.607	12.74	29.44	0.02
6/8/2017 0:30	3.626	165.1	17.3	12.37	29.44	0.02
6/8/2017 0:45	3.315	170.6	47.89	12.11	29.44	0.02
6/8/2017 1:00	2.512	97.8	4.699	11.51	29.43	0.04
6/8/2017 1:15	2.493	68.2	15.77	11.39	29.43	0
6/8/2017 1:30	2.931	52	1.864	11.38	29.43	0.01
6/8/2017 1:45	1.715	50.16	0.056	11.78	29.43	0
6/8/2017 2:00	4.052	38.87	9.18	11.63	29.37	0
6/8/2017 2:15	2.794	24.01	8.63	11.55	29.37	0
6/8/2017 2:30	2.033	6.753	26.9	11.87	29.37	0
6/8/2017 2:45	2.267	72.7	15.84	11.61	29.37	0.01
6/8/2017 3:00	3.35	52.88	15.23	11.52	29.34	0
6/8/2017 3:15	3.235	29.3	7.949	11.46	29.34	0
6/8/2017 3:30	3.846	46.41	3.794	11.48	29.34	0
6/8/2017 3:45	1.254	62.81	39.34	11.56	29.34	0
6/8/2017 4:00	2.378	117.5	40.68	11.67	29.33	0.01
6/8/2017 4:15	0.381	71.9	0.123	11.69	29.33	0
6/8/2017 4:30	0.058	71.9	0.03	11.83	29.33	0
6/8/2017 4:45	0.55	71.9	0.16	11.95	29.33	0.01
6/8/2017 5:00	0.251	85.7	2.543	12.34	29.31	0
6/8/2017 5:15	0.419	86.9	0.07	12.52	29.31	0
6/8/2017 5:30	2.223	218.4	8.03	12.93	29.31	0
6/8/2017 5:45	5.268	222	5.651	12.57	29.31	0.01
6/8/2017 6:00	2.605	193.3	24.01	12.34	29.32	0
6/8/2017 6:15	2.589	157.7	17.93	12.35	29.32	0
6/8/2017 6:30	3.872	202.2	7.703	12.45	29.32	0
6/8/2017 6:45	6.153	220.8	10.62	12.6	29.32	0.01
6/8/2017 7:00	5.771	215.9	13.61	12.56	29.36	0
6/8/2017 7:15	3.998	178.7	18.76	12.58	29.36	0
6/8/2017 7:30	3.187	146.5	15.04	12.6	29.36	0
6/8/2017 7:45	3.322	136.8	35.23	12.65	29.36	0.02
6/8/2017 8:00	5.575	183.9	12.19	12.72	29.38	0
6/8/2017 8:15	5.972	187.9	7.037	12.73	29.38	0
6/8/2017 8:30	6.954	195.6	8.67	12.82	29.38	0.01
6/8/2017 8:45	5.673	196	8.77	12.87	29.38	0.01
6/8/2017 9:00	6.062	192.1	9.52	12.91	29.42	0.01
6/8/2017 9:15	5.349	201.4	14.48	13.07	29.42	0.01
6/8/2017 9:30	6.652	193.4	18.15	13.19	29.42	0.01
6/8/2017 9:45	8.28	204.3	8.94	13.22	29.42	0.01
6/8/2017 10:00	6.403	184.2	10.96	13.2	29.45	0
6/8/2017 10:15	6.321	169	16.4	13.41	29.45	0.01
6/8/2017 10:30	7.889	178	12.79	13.63	29.45	0.01
6/8/2017 10:45	8.06	179.4	18.65	13.82	29.45	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
6/8/2017 11:00	10.78	200	9.88	14.1	29.49	0
6/8/2017 11:15	11.03	204.1	11.13	14.37	29.49	0
6/8/2017 11:30	10.13	202.7	12.27	14.47	29.49	0
6/8/2017 11:45	13.05	221.8	23.58	14.02	29.49	0
6/8/2017 12:00	13.22	245.4	9.15	12.52	29.53	0.02
6/8/2017 12:15	8.15	244.2	11.28	13.04	29.53	0
6/8/2017 12:30	6.268	242.3	10.47	13.53	29.53	0
6/8/2017 12:45	7.305	238.4	19.83	13.63	29.53	0
6/8/2017 13:00	8.78	237.3	9.77	13.85	29.57	0
6/8/2017 13:15	9.64	221.1	9.76	14.25	29.57	0
6/8/2017 13:30	13.86	226.9	9.43	14.41	29.57	0
6/8/2017 13:45	15.56	238.5	10.38	14.05	29.57	0
6/8/2017 14:00	12.15	231.7	9.14	14.32	29.61	0
6/8/2017 14:15	13.33	227.1	12.1	14.49	29.61	0
6/8/2017 14:30	14.58	229.4	13.3	14.57	29.61	0
6/8/2017 14:45	16.47	243.9	11.05	14.41	29.61	0
6/8/2017 15:00	15.77	237.9	11.53	14.06	29.64	0
6/8/2017 15:15	20.81	234.6	8.18	14.09	29.64	0
6/8/2017 15:30	19.57	237	9.44	14.34	29.64	0
6/8/2017 15:45	13.49	233.1	9.69	14.43	29.64	0
6/8/2017 16:00	14.33	241.4	7.912	14.14	29.67	0
6/8/2017 16:15	11.74	241.9	13.86	14.28	29.67	0
6/8/2017 16:30	13.31	230.7	11.71	14.2	29.67	0
6/8/2017 16:45	13.4	230	9.65	14.03	29.67	0
6/8/2017 17:00	11.85	226.2	12.77	14.41	29.7	0
6/8/2017 17:15	13.4	237.3	11.42	14.17	29.7	0
6/8/2017 17:30	12.09	234.2	8.67	13.9	29.7	0
6/8/2017 17:45	6.161	233.5	13.51	13.85	29.7	0
6/8/2017 18:00	8.39	217.6	13	13.87	29.71	0
6/8/2017 18:15	8.3	200.5	9.57	13.7	29.71	0
6/8/2017 18:30	6.711	240.6	31.95	13.64	29.71	0
6/8/2017 18:45	11.48	260.7	10.58	13.41	29.71	0
6/8/2017 19:00	11.71	261.6	7.73	13.19	29.71	0
6/8/2017 19:15	10.94	265	7.736	13.05	29.71	0
6/8/2017 19:30	9.49	260.3	11.95	12.82	29.71	0
6/8/2017 19:45	10.95	252.1	8.92	12.55	29.71	0
6/8/2017 20:00	11.22	253	6.651	12.33	29.71	0
6/8/2017 20:15	8.59	261.1	9.83	12.18	29.71	0
6/8/2017 20:30	7.638	263.2	8.5	12	29.71	0
6/8/2017 20:45	6.569	256.5	8.09	11.86	29.71	0
6/8/2017 21:00	4.472	255.6	7.377	11.65	29.72	0
6/8/2017 21:15	2.596	237.6	7.072	11.5	29.72	0
6/8/2017 21:30	1.994	184.6	30.4	11.36	29.72	0
6/8/2017 21:45	1.532	151.5	8.52	11.11	29.72	0
6/8/2017 22:00	1.398	148.4	15.81	10.81	29.72	0
6/8/2017 22:15	2.437	167	21.3	10.68	29.72	0
6/8/2017 22:30	1.707	133.1	23.07	10.59	29.72	0
6/8/2017 22:45	0.869	145.4	8.8	10.46	29.72	0
6/8/2017 23:00	1.209	161.9	8.72	10.52	29.72	0
6/8/2017 23:15	1.415	154.4	5.279	10.43	29.72	0
6/8/2017 23:30	1.412	153.8	24.38	10.37	29.72	0
6/8/2017 23:45	2.69	181.7	15.85	10.32	29.72	0
6/9/2017 0:00	5.484	196.3	9.55	10.34	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
6/9/2017 0:15	3.83	170.9	15.89	10.02	29.73	0
6/9/2017 0:30	1.984	135.4	6.475	9.74	29.73	0
6/9/2017 0:45	1.194	152.4	13.83	9.73	29.73	0
6/9/2017 1:00	0.784	137.7	3.199	9.68	29.72	0
6/9/2017 1:15	3.631	151.2	12.27	9.57	29.72	0
6/9/2017 1:30	4.127	136.1	5.711	9.51	29.72	0
6/9/2017 1:45	3.255	131	6.832	9.44	29.72	0
6/9/2017 2:00	3.685	127.5	6.523	9.44	29.72	0
6/9/2017 2:15	5.152	133.8	9.18	9.34	29.72	0
6/9/2017 2:30	6.642	153	9	9.33	29.72	0
6/9/2017 2:45	4.958	150.2	7.012	8.92	29.72	0
6/9/2017 3:00	2.317	109.3	23.33	8.81	29.7	0
6/9/2017 3:15	2.792	75.65	8.21	8.72	29.7	0
6/9/2017 3:30	3.183	101.8	5.749	8.74	29.7	0
6/9/2017 3:45	3.133	97.7	9.3	8.87	29.7	0
6/9/2017 4:00	3.92	117.9	10.54	8.54	29.68	0
6/9/2017 4:15	3.279	162.6	28.33	8.9	29.68	0
6/9/2017 4:30	3.264	149.4	19.25	8.99	29.68	0
6/9/2017 4:45	2.99	104.7	7.251	8.83	29.68	0
6/9/2017 5:00	3.756	118.4	3.933	9.08	29.67	0
6/9/2017 5:15	3.298	134.8	16.05	9.77	29.67	0
6/9/2017 5:30	2.617	139.7	8.39	10.16	29.67	0
6/9/2017 5:45	2.38	134.3	19.51	10.14	29.67	0
6/9/2017 6:00	2.327	125.6	19.09	9.86	29.66	0
6/9/2017 6:15	3.723	115.2	9.59	9.85	29.66	0
6/9/2017 6:30	3.568	149.3	14.02	10.04	29.66	0
6/9/2017 6:45	4.504	167.6	12.55	10.66	29.66	0
6/9/2017 7:00	5.165	165.3	15.02	11.12	29.65	0
6/9/2017 7:15	5.312	150.7	12.32	11.59	29.65	0
6/9/2017 7:30	4.272	149.3	14.03	11.59	29.65	0
6/9/2017 7:45	3.906	139.1	20.42	12	29.65	0
6/9/2017 8:00	3.684	203.9	13.68	12	29.65	0
6/9/2017 8:15	2.827	213.4	35.55	12.68	29.65	0
6/9/2017 8:30	3.476	183	28.93	13.11	29.65	0
6/9/2017 8:45	4.484	226.3	21.18	13.09	29.65	0
6/9/2017 9:00	4.183	138.3	25.2	13.53	29.64	0
6/9/2017 9:15	3.434	127.1	29.54	13.04	29.64	0
6/9/2017 9:30	6.4	169.2	14.18	11.64	29.64	0.02
6/9/2017 9:45	4.063	190.3	25.41	11.43	29.64	0.01
6/9/2017 10:00	2.746	114.9	32.22	12.4	29.62	0
6/9/2017 10:15	3.875	73.91	12.13	12.74	29.62	0
6/9/2017 10:30	3.733	58.84	10.58	12.79	29.62	0
6/9/2017 10:45	3.216	66.39	22.36	13.01	29.62	0
6/9/2017 11:00	3.92	68.26	15.74	13.18	29.63	0
6/9/2017 11:15	1.42	220.3	64.1	14.33	29.63	0
6/9/2017 11:30	1.411	210.4	72.45	15.04	29.63	0
6/9/2017 11:45	3.824	251.8	37.74	14.9	29.63	0
6/9/2017 12:00	5.963	226.6	22.8	15.3	29.59	0
6/9/2017 12:15	7.362	260.7	22.35	15.09	29.59	0
6/9/2017 12:30	6.399	290.1	13.96	14.79	29.59	0
6/9/2017 12:45	6.424	344.2	20.38	14.53	29.59	0
6/9/2017 13:00	6.596	114.8	70.59	13.59	29.59	0
6/9/2017 13:15	12.15	128.4	34.27	11.07	29.59	0.08

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
6/9/2017 13:30	4.447	106.5	57.26	10.44	29.59	0.06
6/9/2017 13:45	5.1	12.87	11.73	10.18	29.59	0
6/9/2017 14:00	3.269	28.35	22.31	11.2	29.59	0
6/9/2017 14:15	4.554	64.05	17.77	12.33	29.59	0
6/9/2017 14:30	4.153	72.13	6.477	12.98	29.59	0
6/9/2017 14:45	4.665	74.72	14.72	13.67	29.59	0
6/9/2017 15:00	5.043	70.81	8.98	13.4	29.58	0
6/9/2017 15:15	5.161	98.4	23.7	13.41	29.58	0
6/9/2017 15:30	7.14	126.3	10.16	12.44	29.58	0
6/9/2017 15:45	5.09	107.9	11.75	12.23	29.58	0
6/9/2017 16:00	4.574	99.7	19.35	13.79	29.59	0
6/9/2017 16:15	2.968	95.3	16.39	13.57	29.59	0
6/9/2017 16:30	11.38	165.2	42.56	13.19	29.59	0
6/9/2017 16:45	13.19	211.3	12.19	11.64	29.59	0
6/9/2017 17:00	9.25	180.6	14.86	10.58	29.58	0
6/9/2017 17:15	6.464	152.8	20.41	9.9	29.58	0.02
6/9/2017 17:30	6.752	138.7	12.51	9.85	29.58	0.01
6/9/2017 17:45	7.019	134.2	9.87	10.01	29.58	0
6/9/2017 18:00	7.042	132.2	14.5	10.58	29.58	0
6/9/2017 18:15	6.859	152.5	10.44	10.67	29.58	0
6/9/2017 18:30	6.711	158.4	8.94	10.81	29.58	0
6/9/2017 18:45	6.313	174.5	15.76	10.84	29.58	0
6/9/2017 19:00	6.535	204	9.64	11.25	29.59	0
6/9/2017 19:15	6.95	203.7	6.116	11.09	29.59	0
6/9/2017 19:30	7.37	204.7	4.025	10.79	29.59	0
6/9/2017 19:45	7.517	192.9	8.61	10.52	29.59	0
6/9/2017 20:00	7.518	179.7	6.97	10.22	29.58	0
6/9/2017 20:15	6.964	172.8	15.63	9.75	29.58	0
6/9/2017 20:30	7.039	200.5	6.902	9.95	29.58	0
6/9/2017 20:45	7.399	184.1	8.52	9.86	29.58	0
6/9/2017 21:00	5.676	183	12.57	9.79	29.6	0
6/9/2017 21:15	4.205	172.6	9.39	9.79	29.6	0
6/9/2017 21:30	6.983	164.2	9.71	9.83	29.6	0
6/9/2017 21:45	6.748	153.8	7.17	9.75	29.6	0
6/9/2017 22:00	5.38	146.5	9.64	9.78	29.61	0
6/9/2017 22:15	4.942	149.1	7.42	9.7	29.61	0
6/9/2017 22:30	4.441	143.7	9.14	9.7	29.61	0
6/9/2017 22:45	4.587	139.3	7.236	9.61	29.61	0
6/9/2017 23:00	4.847	136.9	6.07	9.55	29.62	0
6/9/2017 23:15	4.946	151.7	5.635	9.52	29.62	0
6/9/2017 23:30	5.955	153.4	5.159	9.39	29.62	0
6/9/2017 23:45	7.029	152.4	5.398	9.56	29.62	0
6/10/2017 0:00	6.784	152.7	5.657	9.53	29.61	0
6/10/2017 0:15	5.508	149.5	6.057	9.46	29.61	0
6/10/2017 0:30	5.256	151.7	5.333	9.4	29.61	0
6/10/2017 0:45	4.301	151.1	6.821	9.28	29.61	0
6/10/2017 1:00	3.85	141.6	6.807	9.25	29.62	0
6/10/2017 1:15	4.658	144.8	7.337	9.23	29.62	0
6/10/2017 1:30	3.838	143.1	3.525	9.22	29.62	0
6/10/2017 1:45	2.828	156.8	8.8	9.17	29.62	0
6/10/2017 2:00	2.034	161.2	15.41	9.28	29.61	0
6/10/2017 2:15	1.905	141.4	7.497	9.21	29.61	0
6/10/2017 2:30	2.28	163.1	20.45	9.09	29.61	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
6/10/2017 2:45	2.035	174.2	15.57	9.1	29.61	0
6/10/2017 3:00	3.011	168	12.77	9.13	29.6	0
6/10/2017 3:15	3.15	181.3	8.83	9.24	29.6	0
6/10/2017 3:30	3.302	182.2	11.84	9.31	29.6	0
6/10/2017 3:45	4.431	183.3	7.094	9.2	29.6	0
6/10/2017 4:00	3.181	175.6	5.553	8.97	29.59	0
6/10/2017 4:15	1.982	165	6.363	9.11	29.59	0
6/10/2017 4:30	1.153	164.8	6.131	9.13	29.59	0
6/10/2017 4:45	1.114	59.76	8.98	8.67	29.59	0
6/10/2017 5:00	0.067	75.96	10.47	9.03	29.58	0
6/10/2017 5:15	1.239	148.6	36.87	9.2	29.58	0
6/10/2017 5:30	2.129	181.8	12.7	9.13	29.58	0
6/10/2017 5:45	2.42	168.8	16.64	9.54	29.58	0
6/10/2017 6:00	1.777	163	10.87	9.42	29.58	0
6/10/2017 6:15	0.992	36.13	10.02	9.25	29.58	0
6/10/2017 6:30	1.774	138.1	43.91	9.7	29.58	0
6/10/2017 6:45	2.65	185.3	23.42	10.29	29.58	0
6/10/2017 7:00	2.823	201.4	10.35	10.62	29.59	0
6/10/2017 7:15	2.675	223	21.58	10.99	29.59	0
6/10/2017 7:30	3.447	232.1	38.77	11.6	29.59	0
6/10/2017 7:45	4.297	260.6	42.23	11.31	29.59	0
6/10/2017 8:00	2.041	189.2	31.27	11.05	29.59	0
6/10/2017 8:15	3.645	328.6	26.74	11.17	29.59	0
6/10/2017 8:30	3.397	262	15.45	11.02	29.59	0
6/10/2017 8:45	5.431	274.4	11.21	10.95	29.59	0
6/10/2017 9:00	4.319	287.1	7.649	10.86	29.59	0
6/10/2017 9:15	2.725	279.4	12.95	11.14	29.59	0
6/10/2017 9:30	2.405	269.8	16.75	11.52	29.59	0
6/10/2017 9:45	2.911	258.3	21.11	11.64	29.59	0
6/10/2017 10:00	1.908	260.6	40.53	12.08	29.6	0
6/10/2017 10:15	1.933	236.4	34.07	12.56	29.6	0
6/10/2017 10:30	3.253	249.4	16.3	12.64	29.6	0
6/10/2017 10:45	4.549	263.4	18.57	12.99	29.6	0
6/10/2017 11:00	4.049	217.3	22.85	13.21	29.6	0
6/10/2017 11:15	4.003	185	30.83	14.23	29.6	0
6/10/2017 11:30	5.247	324.2	14.39	13.39	29.6	0
6/10/2017 11:45	4.37	311.9	10.04	12.87	29.6	0
6/10/2017 12:00	4.094	358.4	18.13	12.5	29.59	0
6/10/2017 12:15	5.211	24.41	15.19	12.39	29.59	0
6/10/2017 12:30	5.504	53.29	13.31	13.05	29.59	0
6/10/2017 12:45	3.599	41.35	17.44	14.29	29.59	0
6/10/2017 13:00	2.597	77.58	59.58	15.29	29.59	0
6/10/2017 13:15	2.983	192.7	78.24	16.02	29.59	0
6/10/2017 13:30	2.139	5.1	44.25	15.78	29.59	0
6/10/2017 13:45	6.304	264.8	28.43	16.51	29.59	0
6/10/2017 14:00	5.417	249.5	34.37	16.28	29.59	0
6/10/2017 14:15	3.59	26.31	24.56	15.52	29.59	0
6/10/2017 14:30	4.704	18.52	17.67	15.42	29.59	0
6/10/2017 14:45	5.546	31.97	9.5	15.02	29.59	0
6/10/2017 15:00	3.517	31.81	10.34	15	29.58	0
6/10/2017 15:15	3.892	51.07	17.86	15.34	29.58	0
6/10/2017 15:30	3.862	44.44	10.61	15.21	29.58	0
6/10/2017 15:45	3.359	65.3	21.14	15.72	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
6/10/2017 16:00	4.583	54.27	20.46	16.5	29.61	0
6/10/2017 16:15	5.026	323.5	22.19	17.55	29.61	0
6/10/2017 16:30	4.555	350.7	18.91	17.46	29.61	0
6/10/2017 16:45	7.309	334.9	26.12	17.29	29.61	0
6/10/2017 17:00	6.808	357.8	15.11	16.12	29.6	0
6/10/2017 17:15	7.551	8.07	11.48	15.39	29.6	0
6/10/2017 17:30	6.851	17.72	8.29	15.11	29.6	0
6/10/2017 17:45	8.75	16.33	12.25	14.82	29.6	0
6/10/2017 18:00	7.525	18.33	6.504	14.88	29.61	0
6/10/2017 18:15	6.939	12.61	8.36	14.55	29.61	0
6/10/2017 18:30	5.278	2.376	11.65	14.91	29.61	0
6/10/2017 18:45	4.531	357.1	21.04	15.93	29.61	0
6/10/2017 19:00	5.544	4.764	14.4	15.73	29.65	0
6/10/2017 19:15	6.885	334.8	16.23	15.86	29.65	0
6/10/2017 19:30	9.25	313.1	5.209	15.15	29.65	0
6/10/2017 19:45	8.7	313.4	4.067	14.36	29.65	0
6/10/2017 20:00	8.25	317.6	3.917	13.66	29.65	0
6/10/2017 20:15	7.348	329.7	5.804	13.25	29.65	0
6/10/2017 20:30	6.378	343	6.462	12.95	29.65	0
6/10/2017 20:45	4.671	335.3	4.32	12.98	29.65	0
6/10/2017 21:00	2.115	5.054	14.38	13.23	29.67	0
6/10/2017 21:15	4.854	341.6	22.6	13.21	29.67	0
6/10/2017 21:30	4.749	7.202	22.11	12.52	29.67	0
6/10/2017 21:45	4.276	30.04	11.56	11.51	29.67	0
6/10/2017 22:00	4.498	53.65	13.08	11.37	29.69	0
6/10/2017 22:15	4.243	28.9	10.16	11.41	29.69	0
6/10/2017 22:30	5.458	21.84	11.78	11.57	29.69	0
6/10/2017 22:45	7.426	20.92	8.39	11.51	29.69	0
6/10/2017 23:00	4.165	20.49	7.607	11.14	29.71	0
6/10/2017 23:15	1.901	57.28	17.23	10.83	29.71	0
6/10/2017 23:30	2.764	87.1	29.51	10.91	29.71	0
6/10/2017 23:45	2.903	150.4	20.16	10.85	29.71	0
6/11/2017 0:00	4.655	144.6	18.32	10.47	29.71	0
6/11/2017 0:15	4.995	127.5	5.22	9.96	29.71	0
6/11/2017 0:30	5.053	133.5	7.937	10.13	29.71	0
6/11/2017 0:45	5.785	141.2	5.083	10.39	29.71	0
6/11/2017 1:00	5.476	139.3	5.192	10.5	29.74	0
6/11/2017 1:15	4.971	133.9	6.334	10.67	29.74	0
6/11/2017 1:30	4.448	136.4	7.124	10.58	29.74	0
6/11/2017 1:45	4.12	130.7	13.7	10.4	29.74	0
6/11/2017 2:00	3.302	118.7	9.08	10.12	29.75	0
6/11/2017 2:15	4.54	146	5.276	10.29	29.75	0
6/11/2017 2:30	4.261	152.5	5.684	10.14	29.75	0
6/11/2017 2:45	5.042	174.4	10.04	9.92	29.75	0
6/11/2017 3:00	4.682	167	9.09	9.57	29.76	0
6/11/2017 3:15	3.302	148.5	8.49	9.41	29.76	0
6/11/2017 3:30	2.974	155.1	12.31	9.62	29.76	0
6/11/2017 3:45	2.023	157.1	6.586	9.75	29.76	0
6/11/2017 4:00	2.381	160.8	8.59	9.78	29.78	0
6/11/2017 4:15	2.577	148.2	10.53	9.72	29.78	0
6/11/2017 4:30	2.819	125.7	9.19	9.71	29.78	0
6/11/2017 4:45	3.273	134.4	5.253	9.5	29.78	0
6/11/2017 5:00	3.804	136.7	6.344	9.54	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
6/11/2017 5:15	3.795	134.9	6.459	9.87	29.79	0
6/11/2017 5:30	4.874	144.6	6.263	9.98	29.79	0
6/11/2017 5:45	4.582	148.2	8.73	10.02	29.79	0
6/11/2017 6:00	3.748	146.2	10.04	10.17	29.81	0
6/11/2017 6:15	4.007	142.3	8.87	10.29	29.81	0
6/11/2017 6:30	3.506	147.8	9.79	10.25	29.81	0
6/11/2017 6:45	3.619	140.7	11.27	10.49	29.81	0
6/11/2017 7:00	2.183	122.1	15.83	10.56	29.82	0
6/11/2017 7:15	1.35	136.8	35.98	11.52	29.82	0
6/11/2017 7:30	3.629	220.6	14.84	11.72	29.82	0
6/11/2017 7:45	3.382	191.6	18.54	11.78	29.82	0
6/11/2017 8:00	2.505	210.5	19.11	11.85	29.83	0
6/11/2017 8:15	2.029	209.3	25.19	12.02	29.83	0
6/11/2017 8:30	1.04	282.4	45.41	12.25	29.83	0
6/11/2017 8:45	1.62	262.2	30.37	12.57	29.83	0
6/11/2017 9:00	2.001	269.7	22.8	12.72	29.84	0
6/11/2017 9:15	2.659	274.3	28.58	12.89	29.84	0
6/11/2017 9:30	1.553	280.4	15.72	13.31	29.84	0
6/11/2017 9:45	2.059	309.3	36.29	14.46	29.84	0
6/11/2017 10:00	3.482	296.1	34.97	14.45	29.84	0
6/11/2017 10:15	4.816	282.8	25.6	14.53	29.84	0
6/11/2017 10:30	4.636	256.4	15.42	14.95	29.84	0
6/11/2017 10:45	5.117	282.3	24.65	15.2	29.84	0
6/11/2017 11:00	4.734	299.4	29.43	15.62	29.83	0
6/11/2017 11:15	4.251	298.8	38.06	16.27	29.83	0
6/11/2017 11:30	7.632	314.9	15.44	16.23	29.83	0
6/11/2017 11:45	7.717	303.3	22.48	16.76	29.83	0
6/11/2017 12:00	6.204	310.6	29.32	17.12	29.81	0
6/11/2017 12:15	3.378	15.04	41.04	17.33	29.81	0
6/11/2017 12:30	6.765	293.8	29.67	16.86	29.81	0
6/11/2017 12:45	6.935	288.4	16.87	17.76	29.81	0
6/11/2017 13:00	7.524	319.3	30.75	18.23	29.79	0
6/11/2017 13:15	5.72	337	21.17	18.04	29.79	0
6/11/2017 13:30	7.829	289.9	23.54	17.84	29.79	0
6/11/2017 13:45	6.5	321.9	31.61	17.85	29.79	0
6/11/2017 14:00	6.784	311.6	20.45	18.74	29.77	0
6/11/2017 14:15	4.614	330.2	43.06	19.15	29.77	0
6/11/2017 14:30	7.838	353.8	19.46	19.2	29.77	0
6/11/2017 14:45	7.411	349.2	18.78	19.01	29.77	0
6/11/2017 15:00	8.14	312.3	13.45	19.58	29.77	0
6/11/2017 15:15	8.72	307.3	9.47	18.73	29.77	0
6/11/2017 15:30	7.237	309.9	13.15	19.46	29.77	0
6/11/2017 15:45	8.61	311.6	15.4	19.74	29.77	0
6/11/2017 16:00	7.943	330.3	14.63	19.55	29.76	0
6/11/2017 16:15	8.16	313.8	19.09	19.48	29.76	0
6/11/2017 16:30	6.311	321.5	18.76	19.27	29.76	0
6/11/2017 16:45	6.907	315.1	13.95	19.34	29.76	0
6/11/2017 17:00	7.767	313.8	13.33	19.12	29.74	0
6/11/2017 17:15	6.632	305.5	17.92	19.2	29.74	0
6/11/2017 17:30	5.389	296.9	13.59	19.24	29.74	0
6/11/2017 17:45	6.769	309.4	12.09	19.21	29.74	0
6/11/2017 18:00	5.991	321.9	9.96	18.86	29.75	0
6/11/2017 18:15	6.841	308.5	8.73	19.14	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
6/11/2017 18:30	6.322	315.2	7.219	18.41	29.75	0
6/11/2017 18:45	6.643	305.9	6.691	17.86	29.75	0
6/11/2017 19:00	7.555	313	5.706	17.33	29.75	0
6/11/2017 19:15	6.751	321.3	6.197	17.36	29.75	0
6/11/2017 19:30	6.303	313.5	2.814	17.1	29.75	0
6/11/2017 19:45	6.286	312.9	3.781	16.67	29.75	0
6/11/2017 20:00	6.501	315.2	2.568	16.05	29.75	0
6/11/2017 20:15	6.962	306.1	5.29	15.74	29.75	0
6/11/2017 20:30	7.525	311	5.6	15.24	29.75	0
6/11/2017 20:45	6.191	329.4	10	14.76	29.75	0
6/11/2017 21:00	4.725	7.452	23.42	15.1	29.75	0
6/11/2017 21:15	4.167	46.03	15.26	14.68	29.75	0
6/11/2017 21:30	4.065	0.83	43.39	14.34	29.75	0
6/11/2017 21:45	2.034	308.9	16.81	14.63	29.75	0
6/11/2017 22:00	1.049	298.9	23.41	14.37	29.76	0
6/11/2017 22:15	2.11	255.6	34.13	14.25	29.76	0
6/11/2017 22:30	3.397	214.9	13.31	13.45	29.76	0
6/11/2017 22:45	5.343	239.3	9	12.83	29.76	0
6/11/2017 23:00	4.124	326	32.77	12.21	29.75	0
6/11/2017 23:15	2.434	55.83	18.59	11.88	29.75	0
6/11/2017 23:30	2.39	82.3	8.69	12.12	29.75	0
6/11/2017 23:45	3.357	142.3	27.15	11.57	29.75	0
6/12/2017 0:00	5.393	178.6	11.32	11.34	29.75	0
6/12/2017 0:15	4.991	171.2	8.67	10.98	29.75	0
6/12/2017 0:30	2.101	138.5	10.65	11.02	29.75	0
6/12/2017 0:45	0.895	81.3	26.86	11.11	29.75	0
6/12/2017 1:00	2.627	133.5	32.81	11.07	29.76	0
6/12/2017 1:15	4.214	166.6	15.28	10.86	29.76	0
6/12/2017 1:30	3.925	150.7	16.86	10.66	29.76	0
6/12/2017 1:45	4.733	140.9	5.664	10.78	29.76	0
6/12/2017 2:00	3.477	172.7	13.37	10.75	29.77	0
6/12/2017 2:15	4.671	184.2	11.86	10.82	29.77	0
6/12/2017 2:30	2.927	180.2	6.378	10.58	29.77	0
6/12/2017 2:45	2.775	187.7	9.81	10.47	29.77	0
6/12/2017 3:00	2.434	200.5	5.329	10.63	29.77	0
6/12/2017 3:15	3.831	207.5	10.84	10.84	29.77	0
6/12/2017 3:30	3.215	220.9	6.22	10.9	29.77	0
6/12/2017 3:45	3.848	218.1	9.84	10.81	29.77	0
6/12/2017 4:00	4.439	211.5	7.892	10.54	29.76	0
6/12/2017 4:15	4.98	203.8	3.586	10.44	29.76	0
6/12/2017 4:30	6.367	197.5	5.585	10.35	29.76	0
6/12/2017 4:45	5.449	199.7	7.373	10.34	29.76	0
6/12/2017 5:00	5.001	180.3	12.93	10.31	29.78	0
6/12/2017 5:15	5.332	193.2	10.11	10.29	29.78	0
6/12/2017 5:30	5.114	163.8	17.43	10.16	29.78	0
6/12/2017 5:45	4.493	148.6	7.184	10.13	29.78	0
6/12/2017 6:00	4.264	146.6	8.02	10.21	29.79	0
6/12/2017 6:15	4.31	151.4	8.76	10.27	29.79	0
6/12/2017 6:30	4.287	138.2	8.86	10.33	29.79	0
6/12/2017 6:45	3.226	137.8	7.269	10.51	29.79	0
6/12/2017 7:00	3.463	141.1	10.42	10.58	29.79	0
6/12/2017 7:15	3.882	167.5	14.89	10.65	29.79	0
6/12/2017 7:30	4.681	159.5	19.82	10.67	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
6/12/2017 7:45	4.427	150.7	9.22	10.68	29.79	0
6/12/2017 8:00	4.299	131.9	8.89	10.76	29.8	0
6/12/2017 8:15	4.941	145.2	11.62	10.7	29.8	0
6/12/2017 8:30	5.425	150.9	8.89	10.7	29.8	0
6/12/2017 8:45	4.738	139.1	11.69	10.9	29.8	0
6/12/2017 9:00	4.447	133.6	17.03	11.09	29.8	0
6/12/2017 9:15	3.562	151.2	13.76	11.44	29.8	0
6/12/2017 9:30	3.411	116.3	11.38	11.38	29.8	0
6/12/2017 9:45	4.498	134.6	8.67	11.67	29.8	0
6/12/2017 10:00	5.193	136.5	11.25	11.86	29.81	0
6/12/2017 10:15	6.154	126	16.64	11.88	29.81	0
6/12/2017 10:30	6.034	118	16.22	12.01	29.81	0
6/12/2017 10:45	5.665	115.6	13.14	11.9	29.81	0
6/12/2017 11:00	4.479	117.6	8.37	12.04	29.82	0
6/12/2017 11:15	4.697	133.5	12.79	12.13	29.82	0
6/12/2017 11:30	5.336	139.2	14.36	12.18	29.82	0
6/12/2017 11:45	4.654	132.6	15.84	12.22	29.82	0
6/12/2017 12:00	4.98	133.1	14.65	12.16	29.82	0
6/12/2017 12:15	5.564	132.4	10.16	12.17	29.82	0
6/12/2017 12:30	5.187	113.6	13.46	12.14	29.82	0
6/12/2017 12:45	5.457	110.4	13.25	12.33	29.82	0
6/12/2017 13:00	5.561	105	10.41	12.49	29.82	0
6/12/2017 13:15	4.531	106	13.03	12.63	29.82	0
6/12/2017 13:30	4.395	111.6	6.99	12.7	29.82	0
6/12/2017 13:45	4.681	114.3	11.43	13.04	29.82	0
6/12/2017 14:00	4.614	107.5	12.84	13.26	29.83	0
6/12/2017 14:15	5.368	114.7	13.47	13.46	29.83	0
6/12/2017 14:30	5.36	113.3	10.93	13.51	29.83	0
6/12/2017 14:45	5.98	121.3	10.69	13.68	29.83	0
6/12/2017 15:00	5.693	120.9	10.96	13.78	29.84	0
6/12/2017 15:15	5.765	117.7	12.82	14.15	29.84	0
6/12/2017 15:30	5.915	117.6	12.93	14.39	29.84	0
6/12/2017 15:45	5.684	130.6	13.43	14.61	29.84	0
6/12/2017 16:00	5.749	136.7	13.28	14.8	29.85	0
6/12/2017 16:15	4.164	134.2	14.93	14.89	29.85	0
6/12/2017 16:30	5.304	106.6	7.886	14.39	29.85	0
6/12/2017 16:45	5.405	112.1	11.72	14.33	29.85	0
6/12/2017 17:00	5.274	104.2	9.64	14.18	29.83	0
6/12/2017 17:15	3.774	108.9	11.36	14.09	29.83	0
6/12/2017 17:30	3.972	153.8	19.25	14.12	29.83	0
6/12/2017 17:45	3.4	228.4	40.15	14.45	29.83	0
6/12/2017 18:00	8.89	245	7.5	14.73	29.85	0
6/12/2017 18:15	11.71	251.4	7.037	14.43	29.85	0
6/12/2017 18:30	9.38	246.8	9.1	14.23	29.85	0
6/12/2017 18:45	9.19	247.1	9.68	14.04	29.85	0
6/12/2017 19:00	8.78	252.3	8.81	13.85	29.86	0
6/12/2017 19:15	7.797	249.2	7.491	13.73	29.86	0
6/12/2017 19:30	7.168	250.7	7.761	13.62	29.86	0
6/12/2017 19:45	9.34	238.8	7.31	13.5	29.86	0
6/12/2017 20:00	10.23	242.5	8.17	13.28	29.86	0
6/12/2017 20:15	9.18	233.3	9.15	13.18	29.86	0
6/12/2017 20:30	10.74	225.9	8.23	13.12	29.86	0
6/12/2017 20:45	8.25	212.5	6.151	12.99	29.86	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
6/12/2017 21:00	8.07	206.4	8.55	12.86	29.88	0
6/12/2017 21:15	7.418	201.5	7.069	12.73	29.88	0
6/12/2017 21:30	8.3	194.3	6.909	12.54	29.88	0
6/12/2017 21:45	8.5	193.7	8.36	12.41	29.88	0
6/12/2017 22:00	9.04	200.3	8.01	12.25	29.89	0
6/12/2017 22:15	11.46	197.3	9.32	12.04	29.89	0
6/12/2017 22:30	11.47	200.1	9.3	11.87	29.89	0
6/12/2017 22:45	10.55	197.5	7.162	11.74	29.89	0
6/12/2017 23:00	11.24	205.2	7.441	11.66	29.89	0
6/12/2017 23:15	12.39	202.4	7.921	11.54	29.89	0
6/12/2017 23:30	11.39	207	7.84	11.42	29.89	0
6/12/2017 23:45	12.21	205.7	9.35	11.26	29.89	0
6/13/2017 0:00	10.02	192.8	9.53	10.87	29.88	0
6/13/2017 0:15	9.85	191.2	8.96	10.86	29.88	0
6/13/2017 0:30	9.06	188.5	9.94	10.84	29.88	0
6/13/2017 0:45	10.54	182.9	11.51	10.87	29.88	0
6/13/2017 1:00	9.11	179.5	12.25	10.84	29.89	0
6/13/2017 1:15	9.34	185.2	10.23	10.91	29.89	0
6/13/2017 1:30	8.31	179.7	11.15	10.81	29.89	0
6/13/2017 1:45	7.955	187.8	10.06	10.77	29.89	0
6/13/2017 2:00	8.31	173.2	13.39	10.59	29.9	0
6/13/2017 2:15	7.74	178.7	13.66	10.58	29.9	0
6/13/2017 2:30	7.429	161.8	9.45	10.39	29.9	0
6/13/2017 2:45	7.552	154.4	8.84	10.31	29.9	0
6/13/2017 3:00	8.22	155.6	9.29	10.28	29.9	0
6/13/2017 3:15	8.8	164.8	8.55	10.31	29.9	0
6/13/2017 3:30	8.26	164.9	10.54	10.29	29.9	0
6/13/2017 3:45	7.695	168.4	13.27	10.24	29.9	0
6/13/2017 4:00	8.69	180.7	12.26	10.38	29.9	0
6/13/2017 4:15	9.32	177.5	10.65	10.26	29.9	0
6/13/2017 4:30	9.67	184.4	10.19	10.21	29.9	0
6/13/2017 4:45	8.13	173.6	11.69	9.89	29.9	0
6/13/2017 5:00	7.483	185.4	12.78	9.79	29.9	0
6/13/2017 5:15	5.735	167.6	12.14	9.5	29.9	0
6/13/2017 5:30	6.822	174.6	11	9.56	29.9	0
6/13/2017 5:45	7.102	190.1	9.7	9.77	29.9	0
6/13/2017 6:00	9.03	190.8	8.79	9.78	29.91	0
6/13/2017 6:15	8.82	190	8.82	9.89	29.91	0
6/13/2017 6:30	8.02	195.7	8.7	9.94	29.91	0
6/13/2017 6:45	8.13	190.7	10.2	10.01	29.91	0
6/13/2017 7:00	8.16	193.3	8.18	10.11	29.93	0
6/13/2017 7:15	9.13	196.8	9.56	10.18	29.93	0
6/13/2017 7:30	8.29	194.2	9.02	10.35	29.93	0
6/13/2017 7:45	7.156	195.3	9.92	10.73	29.93	0
6/13/2017 8:00	6.527	196.3	12.82	10.94	29.93	0
6/13/2017 8:15	6.535	196.9	17.17	11.14	29.93	0
6/13/2017 8:30	7.212	187.4	10.95	11.27	29.93	0
6/13/2017 8:45	8.87	197	9.91	11.62	29.93	0
6/13/2017 9:00	8.19	195.3	7.784	11.42	29.93	0
6/13/2017 9:15	6.666	196.6	13.11	11.37	29.93	0
6/13/2017 9:30	6.022	217.7	14.07	11.5	29.93	0
6/13/2017 9:45	6.495	219.1	9.99	11.61	29.93	0
6/13/2017 10:00	4.9	189.1	14.52	11.82	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
6/13/2017 10:15	5.324	184.2	12.47	12.28	29.93	0
6/13/2017 10:30	6.307	213.1	22.16	12.65	29.93	0
6/13/2017 10:45	7.568	196.4	13.75	12.51	29.93	0
6/13/2017 11:00	7.315	183.8	9.79	12.67	29.94	0
6/13/2017 11:15	5.668	191	11.25	12.97	29.94	0
6/13/2017 11:30	5.276	168.7	21.77	13.41	29.94	0
6/13/2017 11:45	4.513	179.3	21.5	13.75	29.94	0
6/13/2017 12:00	5.139	223.2	19.9	13.72	29.94	0
6/13/2017 12:15	4.755	262.5	64.98	13.55	29.94	0
6/13/2017 12:30	3.6	281.7	37.83	13.98	29.94	0
6/13/2017 12:45	2.602	188.8	40.79	14.28	29.94	0
6/13/2017 13:00	3.166	239.2	48.85	14.34	29.94	0
6/13/2017 13:15	3.711	268.9	19.37	14.27	29.94	0
6/13/2017 13:30	3.211	287.5	20.4	14.17	29.94	0
6/13/2017 13:45	1.41	272.7	40.38	15.18	29.94	0
6/13/2017 14:00	2.586	242.9	49	15.38	29.95	0
6/13/2017 14:15	3.74	272.3	51.41	15.27	29.95	0
6/13/2017 14:30	7.167	245.8	22.05	15.6	29.95	0
6/13/2017 14:45	7.841	251.3	16.38	16.08	29.95	0
6/13/2017 15:00	9.98	256.3	11.75	16.04	29.93	0
6/13/2017 15:15	10.1	245.1	10.19	16.01	29.93	0
6/13/2017 15:30	8.27	246.6	15.08	16.04	29.93	0
6/13/2017 15:45	7.229	250.6	25.42	16.06	29.93	0
6/13/2017 16:00	8.65	240.1	28.01	15.23	29.91	0
6/13/2017 16:15	9.67	206.8	9.47	14.65	29.91	0
6/13/2017 16:30	9.65	202.1	8.07	14.49	29.91	0
6/13/2017 16:45	8.73	213.5	30.54	14.78	29.91	0
6/13/2017 17:00	9.94	248.8	11.96	15.03	29.9	0
6/13/2017 17:15	11.3	264.1	11.6	14.96	29.9	0
6/13/2017 17:30	10.84	263.7	12.48	15.03	29.9	0
6/13/2017 17:45	9.4	269	10.98	14.82	29.9	0
6/13/2017 18:00	9.76	265	9.81	14.81	29.9	0
6/13/2017 18:15	8.09	258.8	12.16	14.78	29.9	0
6/13/2017 18:30	6.89	266.9	9.47	14.6	29.9	0
6/13/2017 18:45	7.112	261.7	12.35	14.54	29.9	0
6/13/2017 19:00	9.3	258.8	9.47	14.44	29.89	0
6/13/2017 19:15	8.97	262.5	7.894	14.18	29.89	0
6/13/2017 19:30	11.24	261.4	9.32	13.88	29.89	0
6/13/2017 19:45	10.32	252.8	8.52	13.66	29.89	0
6/13/2017 20:00	8.7	251.1	8.62	13.47	29.89	0
6/13/2017 20:15	9.17	249.9	8.53	13.36	29.89	0
6/13/2017 20:30	8.8	253.6	7.777	13.27	29.89	0
6/13/2017 20:45	10	253.4	8.88	13.14	29.89	0
6/13/2017 21:00	10.15	255	10.07	13	29.91	0
6/13/2017 21:15	9.53	254	10.41	12.82	29.91	0
6/13/2017 21:30	8.99	249.5	9.98	12.62	29.91	0
6/13/2017 21:45	7.285	247	8	12.47	29.91	0
6/13/2017 22:00	8.81	246.9	7.722	12.28	29.91	0
6/13/2017 22:15	10.04	251.5	7.586	12.07	29.91	0
6/13/2017 22:30	8.77	237.9	9.11	11.9	29.91	0
6/13/2017 22:45	5.562	243.2	8.15	11.67	29.91	0
6/13/2017 23:00	4.625	226.6	8.23	11.44	29.91	0
6/13/2017 23:15	6.503	233.9	8.09	11.32	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
6/13/2017 23:30	7.101	221.8	10.69	11.16	29.91	0
6/13/2017 23:45	6.955	209.6	9.19	10.89	29.91	0
6/14/2017 0:00	7.731	219.8	10.24	10.88	29.91	0
6/14/2017 0:15	5.76	203.5	5.264	10.68	29.91	0
6/14/2017 0:30	5.894	198.6	7.677	10.59	29.91	0
6/14/2017 0:45	5.788	193.1	8.87	10.48	29.91	0
6/14/2017 1:00	4.061	174.9	12.45	10.27	29.91	0
6/14/2017 1:15	5.089	159.6	11.07	10.11	29.91	0
6/14/2017 1:30	3.385	169.9	11.33	9.96	29.91	0
6/14/2017 1:45	2.336	169.8	9.95	9.95	29.91	0
6/14/2017 2:00	2.588	144.4	8.86	9.81	29.9	0
6/14/2017 2:15	3.201	125.3	7.57	9.75	29.9	0
6/14/2017 2:30	4.233	127.1	5.643	9.75	29.9	0
6/14/2017 2:45	4.773	132	6.519	9.67	29.9	0
6/14/2017 3:00	5.667	143.3	6.485	9.46	29.89	0
6/14/2017 3:15	5.384	142.8	4.419	9.33	29.89	0
6/14/2017 3:30	5.351	148.7	5.509	9.29	29.89	0
6/14/2017 3:45	4.873	144.4	4.342	9.23	29.89	0
6/14/2017 4:00	4.321	146.1	8.29	9.02	29.89	0
6/14/2017 4:15	4.629	189.7	11.45	9.24	29.89	0
6/14/2017 4:30	4.086	184.7	11.6	9.48	29.89	0
6/14/2017 4:45	2.616	182	5.356	9.35	29.89	0
6/14/2017 5:00	3.332	174	8.58	9.48	29.89	0
6/14/2017 5:15	2.128	161.2	9.89	9.5	29.89	0
6/14/2017 5:30	2.495	162.3	8.49	9.75	29.89	0
6/14/2017 5:45	3.577	157.1	6.627	9.93	29.89	0
6/14/2017 6:00	4.636	150.4	6.569	9.92	29.9	0
6/14/2017 6:15	5.96	170	12.57	10.12	29.9	0
6/14/2017 6:30	5.714	164.1	12.09	10.33	29.9	0
6/14/2017 6:45	5.746	152.6	8.52	10.58	29.9	0
6/14/2017 7:00	5.774	155.9	11.47	11.11	29.91	0
6/14/2017 7:15	4.734	187.8	39.79	11.2	29.91	0
6/14/2017 7:30	4.695	202	11.79	11.28	29.91	0
6/14/2017 7:45	5.319	166	17.98	11.69	29.91	0
6/14/2017 8:00	4.038	174.3	33.95	12.1	29.91	0
6/14/2017 8:15	6.823	188	14.65	12.04	29.91	0
6/14/2017 8:30	5.363	181.4	20	12.54	29.91	0
6/14/2017 8:45	6.846	189.4	29.9	12.97	29.91	0
6/14/2017 9:00	7.34	189.7	16.71	12.89	29.9	0
6/14/2017 9:15	7.332	214.2	18.95	13.33	29.9	0
6/14/2017 9:30	8.37	203	17.66	13.7	29.9	0
6/14/2017 9:45	9.05	181.3	19.26	14.37	29.9	0
6/14/2017 10:00	9.65	196.8	18.7	13.94	29.91	0
6/14/2017 10:15	9.59	215.1	14.17	13.73	29.91	0
6/14/2017 10:30	7.174	224.9	16.44	13.65	29.91	0
6/14/2017 10:45	6.546	245.6	22.38	13.84	29.91	0
6/14/2017 11:00	5.36	231.1	16.59	14.2	29.93	0
6/14/2017 11:15	5.411	221.2	23.62	14.47	29.93	0
6/14/2017 11:30	8.48	235.1	20.87	15.15	29.93	0
6/14/2017 11:45	8.14	212.1	16.55	15.17	29.93	0
6/14/2017 12:00	6.161	194.1	26.82	15.67	29.93	0
6/14/2017 12:15	7.77	205.9	24.75	15.9	29.93	0
6/14/2017 12:30	6.259	227.1	28.28	15.94	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
6/14/2017 12:45	4.97	236.9	33.99	15.48	29.93	0
6/14/2017 13:00	6.424	229.4	16.26	15.71	29.91	0
6/14/2017 13:15	3.16	238	44.8	15.99	29.91	0
6/14/2017 13:30	6.046	226.3	18.12	16.16	29.91	0
6/14/2017 13:45	4.017	211	40.14	16.57	29.91	0
6/14/2017 14:00	3.69	222.7	41.55	16.33	29.92	0
6/14/2017 14:15	3.584	306.3	32.36	17.05	29.92	0
6/14/2017 14:30	5.702	242.6	30.69	16.84	29.92	0
6/14/2017 14:45	4.753	226.3	28.6	16.98	29.92	0
6/14/2017 15:00	8.75	243.4	18.58	17.2	29.9	0
6/14/2017 15:15	7.442	227.1	15.5	16.98	29.9	0
6/14/2017 15:30	6.018	257.6	21.6	17.17	29.9	0
6/14/2017 15:45	7.583	196.5	13.73	17.22	29.9	0
6/14/2017 16:00	4.596	211.3	41.11	17.19	29.9	0
6/14/2017 16:15	6.255	285.7	14.54	17.24	29.9	0
6/14/2017 16:30	7.028	281.7	12.49	17.42	29.9	0
6/14/2017 16:45	5.372	286.2	21.99	17.46	29.9	0
6/14/2017 17:00	8.08	216.4	21.09	17.12	29.89	0
6/14/2017 17:15	6.35	215.3	19.34	17.17	29.89	0
6/14/2017 17:30	5.672	224.4	26.07	17.29	29.89	0
6/14/2017 17:45	6.593	272.1	20.19	16.78	29.89	0
6/14/2017 18:00	7.524	254.3	19.05	16.93	29.86	0
6/14/2017 18:15	6.966	241.3	14.83	16.86	29.86	0
6/14/2017 18:30	5.687	261.2	21.48	16.66	29.86	0
6/14/2017 18:45	5.642	233.9	14.93	16.51	29.86	0
6/14/2017 19:00	6.151	260.3	9.94	16.1	29.84	0
6/14/2017 19:15	6.222	265	7.898	15.53	29.84	0
6/14/2017 19:30	5.958	269.9	6.381	15.22	29.84	0
6/14/2017 19:45	6.262	275.9	5.379	14.8	29.84	0
6/14/2017 20:00	5.478	280.4	4.907	14.45	29.82	0
6/14/2017 20:15	5.922	288.1	3.999	14.09	29.82	0
6/14/2017 20:30	6.141	290.1	2.911	13.74	29.82	0
6/14/2017 20:45	4.813	294.4	4.345	13.43	29.82	0
6/14/2017 21:00	1.88	338.4	15.58	13.21	29.81	0
6/14/2017 21:15	1.344	19.36	0.175	13.26	29.81	0
6/14/2017 21:30	0.601	19.36	0.175	13.24	29.81	0
6/14/2017 21:45	0.556	19.36	0.201	12.99	29.81	0
6/14/2017 22:00	0.03	18.95	0.014	12.76	29.79	0
6/14/2017 22:15	0.814	59.64	8.52	11.96	29.79	0
6/14/2017 22:30	2.913	110	11.7	11.64	29.79	0
6/14/2017 22:45	2.669	127	16.67	12.21	29.79	0
6/14/2017 23:00	2.91	152	7.816	12.19	29.78	0
6/14/2017 23:15	3.31	136.4	3.734	12.08	29.78	0
6/14/2017 23:30	2.561	143.7	2.522	11.97	29.78	0
6/14/2017 23:45	2.487	170.2	14.57	11.58	29.78	0
6/15/2017 0:00	3.261	170.5	7.959	11.2	29.76	0
6/15/2017 0:15	4.297	151.4	5.787	11.14	29.76	0
6/15/2017 0:30	4.107	145.8	5.155	11.03	29.76	0
6/15/2017 0:45	3.662	161.3	7.434	11.04	29.76	0
6/15/2017 1:00	3.876	169.5	10.03	10.97	29.74	0
6/15/2017 1:15	4.067	150.9	4.85	11.03	29.74	0
6/15/2017 1:30	5.081	153.1	6.846	11.19	29.74	0
6/15/2017 1:45	4.432	142.7	8.61	11.07	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
6/15/2017 2:00	4.605	157.9	12.33	11.16	29.73	0
6/15/2017 2:15	5.907	171.4	6.721	11.16	29.73	0
6/15/2017 2:30	5.784	162.3	8.96	11.2	29.73	0
6/15/2017 2:45	5.216	172.3	12.77	11.19	29.73	0
6/15/2017 3:00	5.228	179.6	15.52	10.96	29.72	0
6/15/2017 3:15	5.523	158.4	12	10.98	29.72	0
6/15/2017 3:30	4.536	148.4	7.413	10.94	29.72	0
6/15/2017 3:45	3.633	124	4.492	11.04	29.72	0
6/15/2017 4:00	4.665	128.3	4.161	10.98	29.71	0
6/15/2017 4:15	4.495	134.8	5.038	11.16	29.71	0
6/15/2017 4:30	4.695	147.2	9.09	11.31	29.71	0
6/15/2017 4:45	4.347	147	11.12	11.46	29.71	0
6/15/2017 5:00	4.866	142.8	4.522	11.55	29.7	0
6/15/2017 5:15	4.973	146.3	6.483	11.59	29.7	0
6/15/2017 5:30	3.869	140.9	15.26	11.59	29.7	0
6/15/2017 5:45	3.518	120.8	13.9	11.54	29.7	0
6/15/2017 6:00	3.107	92.9	7.238	11.22	29.68	0.01
6/15/2017 6:15	3.482	107.5	9.63	11.54	29.68	0
6/15/2017 6:30	2.427	115.7	5.394	12.08	29.68	0
6/15/2017 6:45	3.114	127.6	13.69	12.41	29.68	0
6/15/2017 7:00	3.584	127.8	10.23	12.57	29.65	0
6/15/2017 7:15	6.333	139.8	14.47	13.12	29.65	0
6/15/2017 7:30	8.23	164.3	15.52	13.4	29.65	0
6/15/2017 7:45	9.35	140.9	14.51	12.98	29.65	0
6/15/2017 8:00	9.67	132.3	9.9	13.07	29.65	0
6/15/2017 8:15	9.27	133	9.35	13.23	29.65	0
6/15/2017 8:30	8.62	148.7	10.76	13.19	29.65	0.01
6/15/2017 8:45	8.17	139.8	8.06	13.03	29.65	0
6/15/2017 9:00	7.567	136.6	10.2	13.21	29.64	0.01
6/15/2017 9:15	8.38	135.3	8.61	13.14	29.64	0.01
6/15/2017 9:30	7.937	127.7	9.85	13.06	29.64	0
6/15/2017 9:45	7.974	128.5	9.56	13.2	29.64	0
6/15/2017 10:00	8.61	134.8	9.17	13.54	29.63	0.01
6/15/2017 10:15	9.08	136.6	10.87	13.44	29.63	0
6/15/2017 10:30	9.1	129.9	10.73	13.38	29.63	0.02
6/15/2017 10:45	9.93	129.3	9.82	13.5	29.63	0.01
6/15/2017 11:00	10.77	130.2	10.12	13.32	29.62	0.04
6/15/2017 11:15	9.91	123.7	8.53	13.39	29.62	0.02
6/15/2017 11:30	10.23	131.7	9.4	13.59	29.62	0.02
6/15/2017 11:45	11.07	134.7	9.55	13.78	29.62	0.02
6/15/2017 12:00	11.66	139.1	8.82	13.71	29.62	0.03
6/15/2017 12:15	10.28	138.1	9.35	13.62	29.62	0.04
6/15/2017 12:30	10.48	135.5	9.06	13.64	29.62	0.03
6/15/2017 12:45	9.99	132.1	8.89	13.76	29.62	0.03
6/15/2017 13:00	9.26	130.8	10.01	13.95	29.63	0.04
6/15/2017 13:15	9.1	132.8	8.74	14.04	29.63	0.03
6/15/2017 13:30	10.01	129.1	8.41	14	29.63	0.02
6/15/2017 13:45	11.13	125.8	8.04	14.13	29.63	0.03
6/15/2017 14:00	11.28	134.2	8.53	14.33	29.6	0.02
6/15/2017 14:15	10.91	134	8.61	14.5	29.6	0
6/15/2017 14:30	11.05	130.6	9.57	14.58	29.6	0.01
6/15/2017 14:45	10.1	137.3	9.41	14.45	29.6	0.03
6/15/2017 15:00	10	136.6	8.04	14.36	29.61	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
6/15/2017 15:15	9.7	137.4	7.527	14.44	29.61	0.02
6/15/2017 15:30	9.3	132.5	7.967	14.5	29.61	0.01
6/15/2017 15:45	8.25	128.4	8.94	14.73	29.61	0.01
6/15/2017 16:00	9.13	133.7	7.996	14.86	29.61	0
6/15/2017 16:15	7.755	136.3	8.72	14.96	29.61	0
6/15/2017 16:30	5.574	128.5	11.08	15.02	29.61	0
6/15/2017 16:45	4.374	101	12.35	14.87	29.61	0.03
6/15/2017 17:00	3.507	94.4	14.14	14.65	29.62	0.03
6/15/2017 17:15	4.667	126.9	12.22	14.64	29.62	0.01
6/15/2017 17:30	4.867	118.1	12.39	14.54	29.62	0.02
6/15/2017 17:45	3.972	114.1	15.64	14.41	29.62	0.03
6/15/2017 18:00	5.035	132.7	20.37	14.14	29.65	0.03
6/15/2017 18:15	5.983	150.1	14.98	14.18	29.65	0.05
6/15/2017 18:30	7.271	168.3	18.13	14.24	29.65	0.04
6/15/2017 18:45	7.939	176.2	11.61	14.2	29.65	0.03
6/15/2017 19:00	9.28	171.1	10.24	14.15	29.66	0.02
6/15/2017 19:15	9.43	163.4	8.65	14.12	29.66	0.01
6/15/2017 19:30	9.46	153.8	8	14.1	29.66	0.01
6/15/2017 19:45	9.69	164.6	10.41	14.18	29.66	0.02
6/15/2017 20:00	9.54	160.9	9.38	14.17	29.67	0.01
6/15/2017 20:15	10.33	181.7	12.46	14.31	29.67	0.01
6/15/2017 20:30	9.79	191.2	9.35	14.27	29.67	0.01
6/15/2017 20:45	8.16	177.2	9.1	14.24	29.67	0.01
6/15/2017 21:00	8.09	175.2	10.92	14.22	29.71	0.05
6/15/2017 21:15	8.69	181.3	12.22	14.19	29.71	0.02
6/15/2017 21:30	10.46	191.2	11.87	14.23	29.71	0.03
6/15/2017 21:45	13.22	218.4	10.3	14.16	29.71	0.04
6/15/2017 22:00	13.31	234.6	8.08	14.03	29.72	0.06
6/15/2017 22:15	13.09	223.1	8.17	13.92	29.72	0.03
6/15/2017 22:30	11.03	221.9	9.44	13.82	29.72	0.03
6/15/2017 22:45	13.05	223	7.902	13.71	29.72	0.03
6/15/2017 23:00	11.51	222.2	6.896	13.56	29.74	0.02
6/15/2017 23:15	9.47	222.5	7.391	13.52	29.74	0.01
6/15/2017 23:30	6.305	248.3	12.42	13.32	29.74	0.01
6/15/2017 23:45	10	232.7	9.85	13.28	29.74	0.01
6/16/2017 0:00	9.72	218.5	9	13.35	29.75	0
6/16/2017 0:15	8.41	220.3	9.09	13.3	29.75	0.01
6/16/2017 0:30	6.708	217.9	10.59	13.23	29.75	0.01
6/16/2017 0:45	6.347	215.6	10.14	13.17	29.75	0
6/16/2017 1:00	6.405	236.9	18.42	13.09	29.76	0
6/16/2017 1:15	1.553	278.5	10.13	13.08	29.76	0.01
6/16/2017 1:30	6.893	247.6	11.34	12.97	29.76	0
6/16/2017 1:45	4.929	263.5	14.24	12.85	29.76	0.01
6/16/2017 2:00	5.345	275.2	10.05	12.71	29.77	0
6/16/2017 2:15	7.828	269	9.1	12.57	29.77	0
6/16/2017 2:30	7.799	252	9.17	12.4	29.77	0
6/16/2017 2:45	7.829	245.4	12.09	12.31	29.77	0
6/16/2017 3:00	7.658	237	8.56	12.38	29.77	0
6/16/2017 3:15	5.579	232.2	7.696	12.26	29.77	0
6/16/2017 3:30	3.892	217.8	13.13	12.25	29.77	0
6/16/2017 3:45	1.499	146.1	37.29	12.06	29.77	0
6/16/2017 4:00	2.173	188.2	25.8	12.01	29.79	0
6/16/2017 4:15	2.422	191.3	25.04	12.03	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
6/16/2017 4:30	5.584	205.9	13.23	12.01	29.79	0
6/16/2017 4:45	5.45	206.2	13.23	11.92	29.79	0
6/16/2017 5:00	4.467	187.1	17.46	11.88	29.8	0
6/16/2017 5:15	5.245	195.9	13.19	11.81	29.8	0
6/16/2017 5:30	5.888	209.8	9.46	11.83	29.8	0
6/16/2017 5:45	5.439	201.7	11.09	11.87	29.8	0
6/16/2017 6:00	5.499	190.8	10	11.88	29.8	0
6/16/2017 6:15	5.725	184.4	11.59	11.85	29.8	0
6/16/2017 6:30	5.955	186.8	8.75	11.84	29.8	0
6/16/2017 6:45	5.847	163.3	17.76	11.98	29.8	0
6/16/2017 7:00	6.273	191.3	11.4	12.08	29.81	0
6/16/2017 7:15	6.732	182.2	12.92	12.24	29.81	0
6/16/2017 7:30	7.323	194.8	15.96	12.43	29.81	0
6/16/2017 7:45	6.866	191.4	10.49	12.57	29.81	0
6/16/2017 8:00	7.225	195.8	11.46	12.55	29.83	0
6/16/2017 8:15	7.928	207.1	10.39	12.66	29.83	0
6/16/2017 8:30	7.788	206.7	8.76	12.81	29.83	0
6/16/2017 8:45	6.867	198.4	10.98	12.85	29.83	0
6/16/2017 9:00	6.095	229.8	13.06	13.03	29.85	0
6/16/2017 9:15	9.18	231	7.489	13.27	29.85	0
6/16/2017 9:30	6.377	230.3	9.03	13.26	29.85	0
6/16/2017 9:45	5.563	230	10.03	13.27	29.85	0
6/16/2017 10:00	5.202	211.3	19.37	13.54	29.87	0
6/16/2017 10:15	5.274	223.9	32.4	13.57	29.87	0
6/16/2017 10:30	5.387	237.8	16.95	13.76	29.87	0
6/16/2017 10:45	6.777	230.1	15.36	13.98	29.87	0
6/16/2017 11:00	6.287	211.7	16.94	14.16	29.9	0
6/16/2017 11:15	6.033	219.8	15.81	14.26	29.9	0
6/16/2017 11:30	5.23	213.7	14.57	14.68	29.9	0
6/16/2017 11:45	8.38	224.4	12.96	14.82	29.9	0
6/16/2017 12:00	8.73	222.5	14.69	14.85	29.92	0
6/16/2017 12:15	8.04	223.4	15.27	15.12	29.92	0
6/16/2017 12:30	10.29	229.9	9.47	15.14	29.92	0
6/16/2017 12:45	10.82	227.2	9.42	15.51	29.92	0
6/16/2017 13:00	9.51	234.6	10.43	15.62	29.92	0
6/16/2017 13:15	10.17	231.2	14.46	15.55	29.92	0
6/16/2017 13:30	9.61	222.8	17.35	16.08	29.92	0
6/16/2017 13:45	11.44	224.7	12.33	16.41	29.92	0
6/16/2017 14:00	10.63	222.4	8.92	16.43	29.92	0
6/16/2017 14:15	10.87	249.3	10.23	16.92	29.92	0
6/16/2017 14:30	11.32	231.6	12.47	16.68	29.92	0
6/16/2017 14:45	11.26	241.1	12.02	16.74	29.92	0
6/16/2017 15:00	12.67	243.6	10.58	16.94	29.91	0
6/16/2017 15:15	13.47	259.7	12.26	17.33	29.91	0
6/16/2017 15:30	11.31	261.1	15.3	17.52	29.91	0
6/16/2017 15:45	12.15	237.2	15.12	17.64	29.91	0
6/16/2017 16:00	11.84	255.2	14.07	17.81	29.91	0
6/16/2017 16:15	9.08	232.4	19.28	18.45	29.91	0
6/16/2017 16:30	12.64	251.6	14.23	18.07	29.91	0
6/16/2017 16:45	10.52	246.9	13.82	17.45	29.91	0
6/16/2017 17:00	7.484	241.8	19.31	17.76	29.9	0
6/16/2017 17:15	9.88	250.3	10.29	17.97	29.9	0
6/16/2017 17:30	11.25	248.9	15.64	17.81	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
6/16/2017 17:45	12.64	252.9	11.02	17.32	29.9	0
6/16/2017 18:00	9.92	262.3	14.64	17.52	29.89	0
6/16/2017 18:15	9.77	265.6	13.64	17.17	29.89	0
6/16/2017 18:30	10.64	258.4	10.42	16.86	29.89	0
6/16/2017 18:45	8.83	259.1	9.06	16.71	29.89	0
6/16/2017 19:00	10.43	258	7.798	16.4	29.87	0
6/16/2017 19:15	10.32	256.9	7.195	16.03	29.87	0
6/16/2017 19:30	10.12	261.7	8.36	15.64	29.87	0
6/16/2017 19:45	10.75	255.9	8.13	15.22	29.87	0
6/16/2017 20:00	10.34	251.8	7.411	14.79	29.87	0
6/16/2017 20:15	9.37	253.8	7.045	14.31	29.87	0
6/16/2017 20:30	8.93	254.6	7.337	13.97	29.87	0
6/16/2017 20:45	7.623	246.4	6.337	13.65	29.87	0
6/16/2017 21:00	7.942	241.8	5.368	13.43	29.9	0
6/16/2017 21:15	7.408	244.6	6.205	13.21	29.9	0
6/16/2017 21:30	5.569	257.9	10.54	12.93	29.9	0
6/16/2017 21:45	6.778	264.4	8.99	12.84	29.9	0
6/16/2017 22:00	6.215	276.5	9.99	12.65	29.92	0
6/16/2017 22:15	6.327	279.5	6.742	12.61	29.92	0
6/16/2017 22:30	6.437	265.1	8.2	12.56	29.92	0
6/16/2017 22:45	3.622	252.2	8.43	12.33	29.92	0
6/16/2017 23:00	3.904	249.1	7.199	12.2	29.94	0
6/16/2017 23:15	5.268	264.3	8.88	12.11	29.94	0
6/16/2017 23:30	4.604	272.2	7.062	11.94	29.94	0
6/16/2017 23:45	3.194	260.2	20.49	11.86	29.94	0
6/17/2017 0:00	2.957	206.9	5.351	11.62	29.96	0
6/17/2017 0:15	2.817	224.1	14.16	11.59	29.96	0
6/17/2017 0:30	2.017	194.4	29.69	11.55	29.96	0
6/17/2017 0:45	3.827	196.7	13.02	11.51	29.96	0
6/17/2017 1:00	3.91	185.7	9.65	11.48	29.96	0
6/17/2017 1:15	3.557	175.2	10.56	11.18	29.96	0
6/17/2017 1:30	3.011	161.4	12.01	11.08	29.96	0
6/17/2017 1:45	2.591	172.6	11.21	11.11	29.96	0
6/17/2017 2:00	3.034	164.9	4.945	11.03	29.96	0
6/17/2017 2:15	3.254	191.2	19.2	11.08	29.96	0
6/17/2017 2:30	2.106	177.9	19.65	11	29.96	0
6/17/2017 2:45	1.526	164.3	9.77	10.87	29.96	0
6/17/2017 3:00	2.443	165	9.81	10.78	29.97	0
6/17/2017 3:15	2.41	183.9	10.15	10.8	29.97	0
6/17/2017 3:30	4.337	188	12.98	10.82	29.97	0
6/17/2017 3:45	3.478	174.9	5.27	10.72	29.97	0
6/17/2017 4:00	3.614	161.2	12.16	10.62	29.97	0
6/17/2017 4:15	4.18	178.8	17.2	10.56	29.97	0
6/17/2017 4:30	4.359	200.9	3.005	10.75	29.97	0
6/17/2017 4:45	5.578	204.6	4.407	10.74	29.97	0
6/17/2017 5:00	4.568	205.7	3.356	10.69	29.98	0
6/17/2017 5:15	2.82	150.1	37.44	10.61	29.98	0
6/17/2017 5:30	3.168	109.8	2.252	10.44	29.98	0
6/17/2017 5:45	3.33	118.5	9.15	10.7	29.98	0
6/17/2017 6:00	4.318	125.5	5.71	10.94	29.97	0
6/17/2017 6:15	3.967	130.4	10.27	11.15	29.97	0
6/17/2017 6:30	4.188	150.4	9.07	11.28	29.97	0
6/17/2017 6:45	4.29	151.2	10.47	11.3	29.97	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
6/17/2017 7:00	4.246	188.1	18.07	11.47	29.99	0
6/17/2017 7:15	5.206	209.4	7.619	11.7	29.99	0
6/17/2017 7:30	4.957	201.1	10.9	11.81	29.99	0
6/17/2017 7:45	4.898	201.5	18.4	12	29.99	0
6/17/2017 8:00	4.494	195.5	18.77	12.47	30.02	0
6/17/2017 8:15	4.926	182.9	17.57	12.56	30.02	0
6/17/2017 8:30	5.313	193.8	14.71	12.66	30.02	0
6/17/2017 8:45	4.109	208.9	26.27	12.98	30.02	0
6/17/2017 9:00	3.817	201	27.77	12.92	30.03	0
6/17/2017 9:15	4.433	215.7	17.5	13.33	30.03	0
6/17/2017 9:30	4.695	205.7	19.42	13.57	30.03	0
6/17/2017 9:45	4.358	193.2	39.27	14.25	30.03	0
6/17/2017 10:00	4.552	199.3	37.29	14.41	30.02	0
6/17/2017 10:15	3.559	197.6	24.54	14.52	30.02	0
6/17/2017 10:30	4.027	218	29.5	14.8	30.02	0
6/17/2017 10:45	5.529	198.8	21.56	14.95	30.02	0
6/17/2017 11:00	5.171	216.2	19.23	15.46	30.01	0
6/17/2017 11:15	6.684	201.1	28.03	15.94	30.01	0
6/17/2017 11:30	7.194	189.1	20.17	16.12	30.01	0
6/17/2017 11:45	6.888	197	20.05	16.48	30.01	0
6/17/2017 12:00	5.724	220.7	33.41	16.81	30.01	0
6/17/2017 12:15	6.083	184.5	24.95	16.94	30.01	0
6/17/2017 12:30	8.56	237.4	14.83	16.91	30.01	0
6/17/2017 12:45	5.245	235.3	34.04	17.35	30.01	0
6/17/2017 13:00	7.541	263.8	18.99	17.59	30	0
6/17/2017 13:15	7.25	266.5	22.09	17.76	30	0
6/17/2017 13:30	7.441	229.8	16.47	17.59	30	0
6/17/2017 13:45	5.325	247.2	23.23	17.37	30	0
6/17/2017 14:00	7.815	279.3	10.36	17.19	29.98	0
6/17/2017 14:15	7.285	284.4	11.02	16.87	29.98	0
6/17/2017 14:30	5.765	260	16.28	16.72	29.98	0
6/17/2017 14:45	4.128	298.3	15.23	16.5	29.98	0
6/17/2017 15:00	4.372	260	21.42	16.59	29.96	0
6/17/2017 15:15	5.787	261.1	11.36	16.43	29.96	0
6/17/2017 15:30	5.501	268.6	12.53	16.28	29.96	0
6/17/2017 15:45	5.422	278.1	11.3	16.26	29.96	0
6/17/2017 16:00	4.624	280.6	8.48	16.12	29.94	0
6/17/2017 16:15	4.39	325.1	15.17	15.99	29.94	0
6/17/2017 16:30	4.797	324.9	14.49	15.66	29.94	0
6/17/2017 16:45	6.528	316.2	7.092	15.67	29.94	0
6/17/2017 17:00	6.62	323.1	7.236	15.52	29.92	0
6/17/2017 17:15	5.723	309.3	12.07	15.36	29.92	0
6/17/2017 17:30	5.222	297.4	10.7	15.3	29.92	0
6/17/2017 17:45	3.79	306.7	9.51	15.33	29.92	0
6/17/2017 18:00	3.696	293.7	15.37	15.19	29.92	0
6/17/2017 18:15	4.133	270.7	9.27	15.02	29.92	0
6/17/2017 18:30	2.107	291.5	13.76	14.77	29.92	0
6/17/2017 18:45	0.961	251.2	55.85	14.54	29.92	0
6/17/2017 19:00	2.054	120.5	47.37	13.94	29.91	0
6/17/2017 19:15	3.749	225.2	14.55	13.92	29.91	0.01
6/17/2017 19:30	4.321	230.2	8.45	13.56	29.91	0
6/17/2017 19:45	5.316	232.3	6.725	13.08	29.91	0
6/17/2017 20:00	6.556	262.2	12.36	12.52	29.91	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
6/17/2017 20:15	6.665	262.5	7.325	12.1	29.91	0.01
6/17/2017 20:30	4.034	258.7	9.05	12.06	29.91	0.01
6/17/2017 20:45	3.997	240.4	13.28	12.12	29.91	0.01
6/17/2017 21:00	1.686	217.7	28.54	12.02	29.91	0.01
6/17/2017 21:15	2.705	117	17.58	11.89	29.91	0
6/17/2017 21:30	4.059	96.2	6.143	11.8	29.91	0
6/17/2017 21:45	3.458	96.1	5.872	11.57	29.91	0
6/17/2017 22:00	2.123	103.3	6.475	11.55	29.91	0
6/17/2017 22:15	4.026	123.6	6.083	11.54	29.91	0
6/17/2017 22:30	3.648	104	4.889	11.41	29.91	0.01
6/17/2017 22:45	4.708	111.4	7.058	11.25	29.91	0
6/17/2017 23:00	4.52	117.8	4.813	11.23	29.91	0
6/17/2017 23:15	4.426	111.7	6.596	11.2	29.91	0
6/17/2017 23:30	4.47	114.5	6.968	11.19	29.91	0.01
6/17/2017 23:45	3.606	117.9	6.368	11.2	29.91	0.02
6/18/2017 0:00	2.926	126.3	10.84	11.34	29.92	0.01
6/18/2017 0:15	1.083	139.4	1.732	11.42	29.92	0
6/18/2017 0:30	1.517	192.2	20.26	11.55	29.92	0
6/18/2017 0:45	1.176	169.4	37.43	11.64	29.92	0
6/18/2017 1:00	0.549	151	25.14	11.63	29.93	0
6/18/2017 1:15	2.188	160.4	28.38	11.65	29.93	0.01
6/18/2017 1:30	1.143	164.1	25.21	11.63	29.93	0.01
6/18/2017 1:45	1.666	156.6	23.44	11.66	29.93	0
6/18/2017 2:00	2.393	113.4	7.34	11.65	29.94	0.01
6/18/2017 2:15	3.985	117.8	6.781	11.65	29.94	0
6/18/2017 2:30	4.755	129.5	11.81	11.68	29.94	0
6/18/2017 2:45	3.672	130.3	5.034	11.69	29.94	0
6/18/2017 3:00	2.803	131.9	8.88	11.73	29.94	0
6/18/2017 3:15	3.183	146.9	12.7	11.75	29.94	0
6/18/2017 3:30	1.96	136.4	17.94	11.78	29.94	0
6/18/2017 3:45	3.513	122.3	16.81	11.8	29.94	0
6/18/2017 4:00	4.29	116.9	6.332	11.82	29.93	0
6/18/2017 4:15	3.796	115.5	4.287	11.88	29.93	0
6/18/2017 4:30	3.426	111	2.144	11.9	29.93	0.01
6/18/2017 4:45	4.118	111.3	4.615	11.95	29.93	0
6/18/2017 5:00	4.495	121	4.096	12.15	29.94	0
6/18/2017 5:15	4.098	122.1	5.279	12.3	29.94	0
6/18/2017 5:30	4.521	132.6	6.749	12.48	29.94	0
6/18/2017 5:45	4.385	138.5	4.985	12.6	29.94	0
6/18/2017 6:00	2.97	127.3	3.886	12.78	29.96	0
6/18/2017 6:15	3.008	127.5	6.662	12.82	29.96	0
6/18/2017 6:30	3.882	117	6.202	12.87	29.96	0
6/18/2017 6:45	5.121	122.9	7.428	12.82	29.96	0
6/18/2017 7:00	5.107	126	10.57	12.99	29.96	0
6/18/2017 7:15	4.18	120.7	13.48	13.12	29.96	0.01
6/18/2017 7:30	3.611	112.5	15.14	13.28	29.96	0
6/18/2017 7:45	3.962	100.1	11.56	13.3	29.96	0
6/18/2017 8:00	4.334	106.5	9.14	13.48	29.99	0
6/18/2017 8:15	4.242	107.3	8.72	13.6	29.99	0
6/18/2017 8:30	3.288	111.5	12.21	13.96	29.99	0
6/18/2017 8:45	3.357	106.3	13.62	14.28	29.99	0
6/18/2017 9:00	3.675	122.2	8.35	14.56	30.01	0
6/18/2017 9:15	3.496	135.9	14.89	14.86	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
6/18/2017 9:30	4.119	149.7	11.8	15.04	30.01	0
6/18/2017 9:45	5.532	159.6	15.51	15.21	30.01	0
6/18/2017 10:00	4.779	151.4	10.42	15.25	30.03	0
6/18/2017 10:15	5.874	161.4	13.66	15.15	30.03	0
6/18/2017 10:30	5.628	154.1	10.52	15.03	30.03	0
6/18/2017 10:45	4.282	144.3	12.75	14.9	30.03	0
6/18/2017 11:00	5.119	131.4	8.25	14.99	30.03	0
6/18/2017 11:15	5.231	117.4	15.22	15.45	30.03	0
6/18/2017 11:30	4.845	138.2	15.47	15.64	30.03	0
6/18/2017 11:45	5.096	158.8	14.2	16.12	30.03	0
6/18/2017 12:00	5.569	157.9	9.61	16.51	30.05	0
6/18/2017 12:15	4.349	140.4	17.85	16.76	30.05	0
6/18/2017 12:30	4.095	130.4	16.6	17.29	30.05	0
6/18/2017 12:45	3.626	167.7	33.11	17.24	30.05	0
6/18/2017 13:00	3.234	163.3	28.47	17.52	30.05	0
6/18/2017 13:15	3.146	137.6	27.9	17.57	30.05	0
6/18/2017 13:30	2.904	80.4	9.01	17.41	30.05	0
6/18/2017 13:45	2.148	63.51	15.1	17.65	30.05	0
6/18/2017 14:00	3.375	114.8	29.64	17.97	30.04	0
6/18/2017 14:15	2.09	118.2	27.88	18.27	30.04	0
6/18/2017 14:30	2.224	92.2	22.36	18.86	30.04	0
6/18/2017 14:45	2.608	72.8	19.43	19.24	30.04	0
6/18/2017 15:00	4.319	77.74	22.33	19.35	30.05	0
6/18/2017 15:15	3.187	88.1	14.14	19.58	30.05	0
6/18/2017 15:30	3.357	143.1	28.06	20.18	30.05	0
6/18/2017 15:45	1.944	243.7	36.98	20.83	30.05	0
6/18/2017 16:00	2.735	233.1	63.18	20.84	30.03	0
6/18/2017 16:15	1.952	254.3	19.93	20.84	30.03	0
6/18/2017 16:30	4.43	26.17	9.97	20.03	30.03	0
6/18/2017 16:45	6.714	29.84	5.814	19.62	30.03	0
6/18/2017 17:00	7.128	28.47	7.759	19.38	30	0
6/18/2017 17:15	6.671	26.76	9.07	19.33	30	0
6/18/2017 17:30	7.427	18.11	10.02	19.75	30	0
6/18/2017 17:45	7.627	23.23	11.27	19.24	30	0
6/18/2017 18:00	7.777	22.61	9.88	19.35	29.97	0
6/18/2017 18:15	9.15	28.85	8.78	19.25	29.97	0
6/18/2017 18:30	8.62	23.73	7.717	19.24	29.97	0
6/18/2017 18:45	7.397	21.37	7.187	19.29	29.97	0
6/18/2017 19:00	8.08	16.15	11.54	19.21	29.96	0
6/18/2017 19:15	7.986	12.75	13.21	19.15	29.96	0
6/18/2017 19:30	8.78	19.59	9.72	18.77	29.96	0
6/18/2017 19:45	8.93	10	10.08	18.7	29.96	0
6/18/2017 20:00	8.35	13.11	10.21	18.41	29.92	0
6/18/2017 20:15	6.633	13.49	14.02	18.11	29.92	0
6/18/2017 20:30	6.489	13.54	13.29	17.77	29.92	0
6/18/2017 20:45	7.082	13.18	11.65	17.73	29.92	0
6/18/2017 21:00	7.531	27.91	12.53	17.52	29.92	0
6/18/2017 21:15	10.95	19.44	8.82	17.3	29.92	0
6/18/2017 21:30	11.11	20.41	9.93	17.12	29.92	0
6/18/2017 21:45	11.34	18.14	10.21	17.09	29.92	0
6/18/2017 22:00	11.92	25.81	10.24	17.05	29.92	0
6/18/2017 22:15	11.31	25.39	10	16.96	29.92	0
6/18/2017 22:30	8.37	36.21	11	16.72	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
6/18/2017 22:45	9.7	29.86	8.41	16.48	29.92	0
6/18/2017 23:00	8.96	29.02	8.44	16.08	29.91	0
6/18/2017 23:15	9.58	23.45	7.374	15.91	29.91	0
6/18/2017 23:30	9.67	16.42	8.46	15.97	29.91	0
6/18/2017 23:45	8.49	23.35	9.16	15.76	29.91	0
6/19/2017 0:00	9.25	27.51	7.739	15.4	29.9	0
6/19/2017 0:15	7.094	26.98	9.29	15.2	29.9	0
6/19/2017 0:30	5.186	40.46	7.708	14.96	29.9	0
6/19/2017 0:45	6.347	42.04	7.994	14.77	29.9	0
6/19/2017 1:00	7.048	33.01	7.994	14.59	29.88	0
6/19/2017 1:15	6.892	24.16	7.721	14.54	29.88	0
6/19/2017 1:30	7.473	28.01	8.27	14.5	29.88	0
6/19/2017 1:45	5.597	34.9	10.61	14.39	29.88	0
6/19/2017 2:00	6.448	34.92	8.73	14.27	29.85	0
6/19/2017 2:15	5.669	32.8	9.38	14.2	29.85	0
6/19/2017 2:30	4.379	14.75	10.73	14.08	29.85	0
6/19/2017 2:45	2.806	315.6	27.16	14.05	29.85	0
6/19/2017 3:00	3.517	274.2	7.556	13.8	29.83	0
6/19/2017 3:15	1.302	319.4	26.7	13.85	29.83	0
6/19/2017 3:30	2.066	324.5	10.94	13.91	29.83	0
6/19/2017 3:45	0.611	345.3	21.78	13.9	29.83	0
6/19/2017 4:00	2.236	32.07	17.37	13.78	29.84	0
6/19/2017 4:15	5.306	42.49	8.02	13.67	29.84	0
6/19/2017 4:30	4.881	38.65	6.488	13.65	29.84	0
6/19/2017 4:45	4.348	38.07	10.77	13.66	29.84	0
6/19/2017 5:00	1.928	27.85	5.994	13.71	29.83	0
6/19/2017 5:15	2.774	8.36	9.83	13.74	29.83	0
6/19/2017 5:30	3.709	349	8.66	13.9	29.83	0
6/19/2017 5:45	1.652	7.983	5.725	13.83	29.83	0
6/19/2017 6:00	0.68	10.08	7.262	13.92	29.83	0
6/19/2017 6:15	4.587	333.7	6.827	14.13	29.83	0
6/19/2017 6:30	4.207	347.1	13.42	14.08	29.83	0
6/19/2017 6:45	2.905	359.9	14.68	14.22	29.83	0
6/19/2017 7:00	1.828	2.175	19.04	14.3	29.84	0
6/19/2017 7:15	3.874	34.98	10.65	14.27	29.84	0
6/19/2017 7:30	3.598	41.06	9.68	14.39	29.84	0
6/19/2017 7:45	3.995	34.07	9.21	14.4	29.84	0
6/19/2017 8:00	3.228	41.57	15.97	14.5	29.84	0
6/19/2017 8:15	2.808	26.17	12.75	14.73	29.84	0
6/19/2017 8:30	3.725	44.69	14.56	14.91	29.84	0
6/19/2017 8:45	2.086	0.003	22.83	15.14	29.84	0
6/19/2017 9:00	2.461	18.4	30.21	15.6	29.84	0
6/19/2017 9:15	2.097	302.9	55.7	15.8	29.84	0
6/19/2017 9:30	2.391	328.9	60.04	16.18	29.84	0
6/19/2017 9:45	2.81	25.33	14.69	16.53	29.84	0
6/19/2017 10:00	3.53	39.24	9.74	16.86	29.84	0
6/19/2017 10:15	2.643	28.1	21.17	17.81	29.84	0
6/19/2017 10:30	2.338	15.23	25.23	18.2	29.84	0
6/19/2017 10:45	3.124	265.7	39.8	18.91	29.84	0
6/19/2017 11:00	3.502	254.4	24.44	19.25	29.82	0
6/19/2017 11:15	7.282	288.2	13.61	19.64	29.82	0
6/19/2017 11:30	10.08	281	10.11	19.05	29.82	0
6/19/2017 11:45	6.042	299.4	31.35	19.33	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
6/19/2017 12:00	5.341	44.03	17.38	19.09	29.82	0
6/19/2017 12:15	7.657	36.09	12.15	19.28	29.82	0
6/19/2017 12:30	7.348	34.17	9.25	19.8	29.82	0
6/19/2017 12:45	5.81	29.62	15.12	20.7	29.82	0
6/19/2017 13:00	4.442	353.7	44.04	21.69	29.8	0
6/19/2017 13:15	4.975	22.12	29.87	21.51	29.8	0
6/19/2017 13:30	4.654	16.25	46.08	22.34	29.8	0
6/19/2017 13:45	3.632	20.77	21.37	22.53	29.8	0
6/19/2017 14:00	1.795	303.2	59.15	23.32	29.8	0
6/19/2017 14:15	5.249	273.9	15.94	23.48	29.8	0
6/19/2017 14:30	7.945	284.2	15.76	23.25	29.8	0
6/19/2017 14:45	9.11	289.7	12.76	22.57	29.8	0
6/19/2017 15:00	8.75	302.3	11.42	22.48	29.8	0
6/19/2017 15:15	9.05	317.8	14.18	22.07	29.8	0
6/19/2017 15:30	7.796	306.1	11.77	21.69	29.8	0
6/19/2017 15:45	8.04	305.3	11.03	21.12	29.8	0
6/19/2017 16:00	7.3	305.6	14.63	20.95	29.8	0
6/19/2017 16:15	5.646	316.6	10.97	20.94	29.8	0
6/19/2017 16:30	2.712	316.3	27.12	21.28	29.8	0
6/19/2017 16:45	2.082	297.5	12.42	21.69	29.8	0
6/19/2017 17:00	3.223	292.9	15.09	21.57	29.81	0
6/19/2017 17:15	5.651	280.5	16.36	21.31	29.81	0
6/19/2017 17:30	4.526	311.7	7.507	21.26	29.81	0
6/19/2017 17:45	4.57	297.5	15.15	20.86	29.81	0
6/19/2017 18:00	5.118	277	5.596	20.31	29.79	0
6/19/2017 18:15	3.723	290.8	14.59	20.01	29.79	0
6/19/2017 18:30	2.11	330.4	10.76	20.15	29.79	0
6/19/2017 18:45	3.201	314.1	5.468	20.09	29.79	0
6/19/2017 19:00	4.923	297.8	6.828	19.8	29.8	0
6/19/2017 19:15	2.275	327.8	25.19	19.42	29.8	0
6/19/2017 19:30	3.125	43.69	6.344	18.7	29.8	0
6/19/2017 19:45	3.171	37.17	4.943	18.37	29.8	0
6/19/2017 20:00	3.768	45.39	11.9	18.28	29.78	0
6/19/2017 20:15	3.847	51.28	2.313	18.13	29.78	0
6/19/2017 20:30	3.083	66.51	12.34	17.96	29.78	0
6/19/2017 20:45	2.336	84.6	19.61	18.15	29.78	0
6/19/2017 21:00	2.299	49.77	4.075	18.17	29.78	0
6/19/2017 21:15	1.688	41.11	0.668	17.23	29.78	0
6/19/2017 21:30	0.724	41.9	0.035	17.41	29.78	0
6/19/2017 21:45	1.288	41.89	0.201	17.74	29.78	0
6/19/2017 22:00	0.3	41.89	0.034	17.7	29.79	0
6/19/2017 22:15	1.793	338.8	59.5	17.56	29.79	0
6/19/2017 22:30	3.906	288	3.194	17.75	29.79	0
6/19/2017 22:45	3.621	300.9	10.96	17.89	29.79	0
6/19/2017 23:00	2.536	6.246	13.56	16.7	29.81	0
6/19/2017 23:15	0.437	17.41	1.271	16.47	29.81	0
6/19/2017 23:30	0.165	15.73	0.44	16.82	29.81	0
6/19/2017 23:45	0.348	17.22	0.135	16.78	29.81	0
6/20/2017 0:00	2.203	13.4	35.41	16.64	29.79	0
6/20/2017 0:15	1.801	235.4	4.339	16.46	29.79	0
6/20/2017 0:30	0.237	256.4	24	16.4	29.79	0
6/20/2017 0:45	0.871	2.165	19.41	16.08	29.79	0
6/20/2017 1:00	3.574	227.4	15.65	16.45	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
6/20/2017 1:15	5.052	232.7	8.92	16.87	29.79	0
6/20/2017 1:30	4.217	237.5	8.96	16.28	29.79	0
6/20/2017 1:45	1.282	252	1.129	16.07	29.79	0
6/20/2017 2:00	1.824	182.5	21.45	15.75	29.81	0
6/20/2017 2:15	1.54	179.8	8.23	15.95	29.81	0
6/20/2017 2:30	3.047	190.8	3.556	15.97	29.81	0
6/20/2017 2:45	2.958	177.1	7.278	15.71	29.81	0
6/20/2017 3:00	4.088	157.4	8.1	15.42	29.82	0
6/20/2017 3:15	5.497	191.3	8.74	15.56	29.82	0
6/20/2017 3:30	4.665	191.6	5.6	15.5	29.82	0
6/20/2017 3:45	4.358	171.6	12	15.35	29.82	0
6/20/2017 4:00	3.802	164.6	11.91	15.35	29.84	0
6/20/2017 4:15	4.207	158.1	12.68	15.38	29.84	0
6/20/2017 4:30	4.264	190.8	12.87	15.54	29.84	0
6/20/2017 4:45	5.142	213.3	7.692	15.61	29.84	0
6/20/2017 5:00	5.417	232.6	12.42	15.45	29.86	0
6/20/2017 5:15	5.423	224.1	6.975	15.33	29.86	0
6/20/2017 5:30	4.82	219.9	7.624	15.34	29.86	0
6/20/2017 5:45	3.416	223.1	8.39	15.42	29.86	0
6/20/2017 6:00	3.874	211.4	15.94	15.49	29.87	0
6/20/2017 6:15	4.688	191.2	7.573	15.41	29.87	0
6/20/2017 6:30	4.574	177	20.48	15.54	29.87	0
6/20/2017 6:45	5.355	161.4	10.52	15.61	29.87	0
6/20/2017 7:00	7.371	191.4	11.16	15.63	29.89	0
6/20/2017 7:15	8.19	197.1	6.471	15.37	29.89	0
6/20/2017 7:30	6.342	186.9	11.32	15.53	29.89	0
6/20/2017 7:45	4.766	189.4	10.41	15.68	29.89	0
6/20/2017 8:00	6.209	154.6	9.6	15.65	29.9	0
6/20/2017 8:15	7.519	155.7	8.14	15.65	29.9	0
6/20/2017 8:30	8.21	151.6	7.519	15.82	29.9	0
6/20/2017 8:45	6.852	176.9	16.22	15.93	29.9	0
6/20/2017 9:00	5.95	192.3	12.55	16.27	29.92	0
6/20/2017 9:15	8.31	200.6	12.38	16.34	29.92	0
6/20/2017 9:30	6.587	220.9	9.76	16.17	29.92	0
6/20/2017 9:45	3.689	213.7	15.86	16.32	29.92	0
6/20/2017 10:00	1.366	194.1	29.44	16.81	29.95	0
6/20/2017 10:15	1.905	282.5	38.55	17.12	29.95	0
6/20/2017 10:30	3.048	313.3	21.08	17.69	29.95	0
6/20/2017 10:45	2.71	306.4	16.19	18.13	29.95	0
6/20/2017 11:00	1.414	267.4	31.47	18.53	29.98	0
6/20/2017 11:15	4.345	257.2	52.85	19.08	29.98	0
6/20/2017 11:30	7.128	288.5	16.02	19.2	29.98	0
6/20/2017 11:45	7.212	278.8	16.04	19.95	29.98	0
6/20/2017 12:00	7.085	268.1	14.93	19.87	29.98	0
6/20/2017 12:15	7.929	282.1	10.12	19.82	29.98	0
6/20/2017 12:30	7.852	268.4	17.8	19.92	29.98	0
6/20/2017 12:45	8.15	287.4	11.58	19.92	29.98	0
6/20/2017 13:00	7.318	293	12.79	20.09	29.99	0
6/20/2017 13:15	8.33	289.2	11.42	20.18	29.99	0
6/20/2017 13:30	9.67	275.7	13.69	20.57	29.99	0
6/20/2017 13:45	11.52	261.4	17.07	21.17	29.99	0
6/20/2017 14:00	11.84	268.2	21.24	21.99	30.01	0
6/20/2017 14:15	9.71	267	24.31	21.71	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
6/20/2017 14:30	8.72	291.8	25.52	21.72	30.01	0
6/20/2017 14:45	7.226	306.4	17.67	21.77	30.01	0
6/20/2017 15:00	8.02	336.1	44.47	21.25	30.01	0
6/20/2017 15:15	10.49	33.96	16.96	18.53	30.01	0
6/20/2017 15:30	14.27	34.71	10.15	17.49	30.01	0
6/20/2017 15:45	14.7	34.1	9.73	17.24	30.01	0
6/20/2017 16:00	13.72	32.77	9.85	17.16	29.93	0
6/20/2017 16:15	13.76	33.46	7.484	16.97	29.93	0
6/20/2017 16:30	13.16	29.98	8.63	16.92	29.93	0
6/20/2017 16:45	12.76	29.82	8.67	17.3	29.93	0
6/20/2017 17:00	14.27	33.7	8.51	17	29.96	0
6/20/2017 17:15	12.92	26.89	10.86	16.57	29.96	0
6/20/2017 17:30	13.13	25.71	12.64	16.77	29.96	0
6/20/2017 17:45	12.66	23.37	13.34	16.82	29.96	0
6/20/2017 18:00	12.53	26.62	15.45	16.6	29.96	0
6/20/2017 18:15	14.98	28.85	11	16.04	29.96	0
6/20/2017 18:30	11.75	40.41	12.8	15.83	29.96	0
6/20/2017 18:45	14.01	38.96	12.26	15.77	29.96	0
6/20/2017 19:00	15.39	32.16	12.2	15.46	29.96	0
6/20/2017 19:15	15.53	35.68	11.66	15.3	29.96	0
6/20/2017 19:30	14.26	34.46	11.36	15.25	29.96	0
6/20/2017 19:45	15.03	35.19	12.67	15.23	29.96	0
6/20/2017 20:00	15.17	36.48	11.95	15.16	29.97	0
6/20/2017 20:15	13.3	41.78	15.69	15.06	29.97	0
6/20/2017 20:30	6.859	70.6	35.31	15.09	29.97	0
6/20/2017 20:45	10.49	45.43	18.83	14.94	29.97	0
6/20/2017 21:00	11.12	38.47	10.79	14.45	30.01	0
6/20/2017 21:15	7.781	49.13	19.35	14.31	30.01	0
6/20/2017 21:30	12.78	36.99	10.18	14.12	30.01	0
6/20/2017 21:45	14.43	34.59	10.89	13.76	30.01	0
6/20/2017 22:00	16.61	32.08	12.71	13.22	30	0
6/20/2017 22:15	13.59	38.34	12.6	12.69	30	0
6/20/2017 22:30	15.04	39.64	13.57	12.39	30	0
6/20/2017 22:45	14.64	39.14	13.7	12.14	30	0
6/20/2017 23:00	15.11	40.97	13.53	12.06	30.02	0
6/20/2017 23:15	16.99	42.95	13.12	12.12	30.02	0
6/20/2017 23:30	18.06	38.97	13.76	12.09	30.02	0
6/20/2017 23:45	15.33	33.22	12.85	11.94	30.02	0
6/21/2017 0:00	16.08	35.77	10.65	11.81	30.04	0
6/21/2017 0:15	12.84	38.12	12.23	11.79	30.04	0
6/21/2017 0:30	15.09	32.48	11.23	11.8	30.04	0
6/21/2017 0:45	17.17	30.47	10.26	11.39	30.04	0
6/21/2017 1:00	13.75	35.57	13.07	11.15	30.04	0
6/21/2017 1:15	13.04	41.64	13.65	10.99	30.04	0
6/21/2017 1:30	14.91	32.87	10.71	11.14	30.04	0
6/21/2017 1:45	12.37	34.62	12.48	10.93	30.04	0
6/21/2017 2:00	14.08	32.14	10.69	10.78	30.06	0
6/21/2017 2:15	12.9	24.46	11.95	10.57	30.06	0
6/21/2017 2:30	14.39	28.42	10.96	10.5	30.06	0
6/21/2017 2:45	14.56	28.14	10.74	10.51	30.06	0
6/21/2017 3:00	12.63	29.46	11.86	10.51	30.08	0
6/21/2017 3:15	11.98	43.06	11.06	10.54	30.08	0
6/21/2017 3:30	11.59	31.38	11.28	10.58	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
6/21/2017 3:45	8.04	38.75	10.65	10.3	30.08	0
6/21/2017 4:00	9.67	35.1	8.9	10.26	30.09	0
6/21/2017 4:15	7.178	43.7	14.55	10.2	30.09	0
6/21/2017 4:30	6.707	59.5	14.49	10.31	30.09	0
6/21/2017 4:45	4.9	64.69	14.92	10.23	30.09	0
6/21/2017 5:00	3.36	68.89	17.96	10.06	30.1	0
6/21/2017 5:15	3.04	64.37	28.39	10.34	30.1	0
6/21/2017 5:30	7.337	39.39	14.85	11.23	30.1	0
6/21/2017 5:45	9.36	31.44	11.96	11.42	30.1	0
6/21/2017 6:00	6.743	44.36	14.98	11.72	30.11	0
6/21/2017 6:15	8.39	34.72	11.87	11.73	30.11	0
6/21/2017 6:30	10.19	28.75	9.66	11.6	30.11	0
6/21/2017 6:45	9.65	28.29	10.37	11.54	30.11	0
6/21/2017 7:00	10.42	30.9	8.26	12.21	30.11	0
6/21/2017 7:15	10.34	24.53	10.42	12.44	30.11	0
6/21/2017 7:30	9.43	31.53	10.81	12.96	30.11	0
6/21/2017 7:45	10.22	31.65	8.13	13.42	30.11	0
6/21/2017 8:00	8.02	34.07	11.53	13.71	30.12	0
6/21/2017 8:15	6.936	35.26	10.56	14.39	30.12	0
6/21/2017 8:30	7.481	36.36	13.5	14.84	30.12	0
6/21/2017 8:45	9.05	34.7	12.32	15.04	30.12	0
6/21/2017 9:00	7.848	46.41	15.94	15.28	30.13	0
6/21/2017 9:15	6.173	23.09	36.45	16.15	30.13	0
6/21/2017 9:30	7.224	328	7.216	15.28	30.13	0
6/21/2017 9:45	6.067	340.5	20.43	15.23	30.13	0
6/21/2017 10:00	6.293	319.1	14.02	15.66	30.13	0
6/21/2017 10:15	5.562	345.1	23.13	15.42	30.13	0
6/21/2017 10:30	7.521	339.6	13.3	15.75	30.13	0
6/21/2017 10:45	5.402	343.5	14.04	15.87	30.13	0
6/21/2017 11:00	5.952	351.5	17.95	16.14	30.13	0
6/21/2017 11:15	6.267	340.3	18.99	16.78	30.13	0
6/21/2017 11:30	5.422	354.1	24.01	16.88	30.13	0
6/21/2017 11:45	6.342	347.7	34.82	17.23	30.13	0
6/21/2017 12:00	7.136	7.415	29.91	17.1	30.12	0
6/21/2017 12:15	5.711	12.65	23.84	17.35	30.12	0
6/21/2017 12:30	7.362	358	22.95	18	30.12	0
6/21/2017 12:45	8.14	28.85	26.95	17.93	30.12	0
6/21/2017 13:00	8.07	20.47	22.53	17.65	30.11	0
6/21/2017 13:15	8.5	22.76	21.8	17.85	30.11	0
6/21/2017 13:30	7.619	1.568	27.48	17.75	30.11	0
6/21/2017 13:45	8.65	9.86	23.73	17.96	30.11	0
6/21/2017 14:00	8.77	333.9	19.89	18.59	30.1	0
6/21/2017 14:15	10.81	328.4	17.35	18.76	30.1	0
6/21/2017 14:30	11.41	324	13.22	18.62	30.1	0
6/21/2017 14:45	10.36	320.2	23.33	18.74	30.1	0
6/21/2017 15:00	9.23	319.5	11.16	19.01	30.1	0
6/21/2017 15:15	9.11	344.1	22.31	18.87	30.1	0
6/21/2017 15:30	9.59	332.5	16.56	18.74	30.1	0
6/21/2017 15:45	10.44	329	13.8	18.9	30.1	0
6/21/2017 16:00	8.54	334.5	29.59	18.95	30.09	0
6/21/2017 16:15	10.02	332.2	13.81	18.9	30.09	0
6/21/2017 16:30	11.12	324.7	10.2	18.87	30.09	0
6/21/2017 16:45	11.4	321.8	8.49	18.73	30.09	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
6/21/2017 17:00	9.84	331.4	15.99	18.68	30.08	0
6/21/2017 17:15	10.75	331.9	18.62	18.39	30.08	0
6/21/2017 17:30	11.11	337.1	19.39	18.17	30.08	0
6/21/2017 17:45	7.444	11.09	14.1	17.95	30.08	0
6/21/2017 18:00	6.737	355.8	18.54	17.85	30.08	0
6/21/2017 18:15	8.25	356.2	16.31	17.69	30.08	0
6/21/2017 18:30	9.83	343.2	11.67	17.31	30.08	0
6/21/2017 18:45	7.617	355.8	15.89	17	30.08	0
6/21/2017 19:00	6.493	340.6	14.07	16.91	30.07	0
6/21/2017 19:15	6.438	11.13	13.01	15.97	30.07	0
6/21/2017 19:30	7.02	21.67	7.633	15.42	30.07	0
6/21/2017 19:45	7.178	14.58	8.13	15.03	30.07	0
6/21/2017 20:00	7.594	10.93	12.34	14.6	30.07	0
6/21/2017 20:15	7.228	347.9	9.81	14.42	30.07	0
6/21/2017 20:30	7.336	5.678	13.8	13.98	30.07	0
6/21/2017 20:45	4.314	32.88	23.68	13.75	30.07	0
6/21/2017 21:00	5.72	40.2	7.256	12.93	30.08	0
6/21/2017 21:15	5.866	34.9	6.357	13.04	30.08	0
6/21/2017 21:30	3.667	53.39	6.713	12.9	30.08	0
6/21/2017 21:45	3.387	30.98	14.05	12.59	30.08	0
6/21/2017 22:00	6.023	24.96	5.653	11.95	30.08	0
6/21/2017 22:15	8.06	34.5	5.55	11.64	30.08	0
6/21/2017 22:30	7.236	41.8	6.862	11.69	30.08	0
6/21/2017 22:45	7.134	36.63	5.294	11.6	30.08	0
6/21/2017 23:00	6.92	39.93	4.22	11.34	30.08	0
6/21/2017 23:15	8	27.53	5.39	11.2	30.08	0
6/21/2017 23:30	7.709	26.19	4.725	11.09	30.08	0
6/21/2017 23:45	8.07	28.29	4.253	10.8	30.08	0
6/22/2017 0:00	9.3	24.19	4.398	10.65	30.09	0
6/22/2017 0:15	10.03	26.53	4.871	10.91	30.09	0
6/22/2017 0:30	8.61	24.25	6.27	10.69	30.09	0
6/22/2017 0:45	8.79	30.48	5.886	10.6	30.09	0
6/22/2017 1:00	8.54	41.17	5.922	10.02	30.1	0
6/22/2017 1:15	6.916	49.01	3.755	9.63	30.1	0
6/22/2017 1:30	6.655	54.43	5.703	9.79	30.1	0
6/22/2017 1:45	5.974	50.44	5.08	9.72	30.1	0
6/22/2017 2:00	5.067	52.56	5.753	9.59	30.1	0
6/22/2017 2:15	4.673	43.51	4.562	9.6	30.1	0
6/22/2017 2:30	2.344	74.25	46.43	9.34	30.1	0
6/22/2017 2:45	1.932	81	34.56	9.57	30.1	0
6/22/2017 3:00	3.202	42.42	12.97	9.47	30.08	0
6/22/2017 3:15	3.313	19.92	6.06	9.29	30.08	0
6/22/2017 3:30	2.526	20.72	6.218	8.9	30.08	0
6/22/2017 3:45	2.035	33.62	8.27	8.8	30.08	0
6/22/2017 4:00	2.688	37.84	0.752	8.63	30.08	0
6/22/2017 4:15	2.868	20.32	18.28	8.42	30.08	0
6/22/2017 4:30	2.351	14.78	3.595	8.5	30.08	0
6/22/2017 4:45	2.293	17.87	2.051	8.36	30.08	0
6/22/2017 5:00	2.416	21.76	2.877	8.75	30.09	0
6/22/2017 5:15	2.895	27.32	1.556	9.26	30.09	0
6/22/2017 5:30	2.469	31.53	4.572	9.82	30.09	0
6/22/2017 5:45	2.904	43.61	6.925	10.09	30.09	0
6/22/2017 6:00	3.358	40.6	6.718	10.18	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
6/22/2017 6:15	3.633	42.04	12.01	10.4	30.11	0
6/22/2017 6:30	2.829	35.66	9.89	10.93	30.11	0
6/22/2017 6:45	2.43	40.57	11.05	11.9	30.11	0
6/22/2017 7:00	0.856	21.77	70.87	13.3	30.12	0
6/22/2017 7:15	2.381	222.2	28.86	13.46	30.12	0
6/22/2017 7:30	1.992	200.2	61.21	13.97	30.12	0
6/22/2017 7:45	2.574	75.16	23.2	14.65	30.12	0
6/22/2017 8:00	1.947	40.88	28.79	14.94	30.12	0
6/22/2017 8:15	3.703	34.59	28.01	15.67	30.12	0
6/22/2017 8:30	4.383	4.484	33.99	16.37	30.12	0
6/22/2017 8:45	4.744	340.4	25.04	16.93	30.12	0
6/22/2017 9:00	5.856	25.21	23.13	17.3	30.13	0
6/22/2017 9:15	7.017	43.3	15.84	17.39	30.13	0
6/22/2017 9:30	7.706	41.38	15.66	17.51	30.13	0
6/22/2017 9:45	8.2	35.27	13.27	17.8	30.13	0
6/22/2017 10:00	8.77	22.42	14.48	18.02	30.12	0
6/22/2017 10:15	9.08	26	15.3	18.47	30.12	0
6/22/2017 10:30	11.23	36.25	12.32	18.32	30.12	0
6/22/2017 10:45	8.92	24.54	22.32	18.58	30.12	0
6/22/2017 11:00	8.31	26.94	18.59	19.2	30.11	0
6/22/2017 11:15	8.09	9.51	27.74	19.87	30.11	0
6/22/2017 11:30	7.797	357.5	25.07	19.86	30.11	0
6/22/2017 11:45	8.85	356.8	19.06	20.25	30.11	0
6/22/2017 12:00	8.26	4.117	21.06	20.24	30.09	0
6/22/2017 12:15	8.87	11.59	24.67	20.5	30.09	0
6/22/2017 12:30	9.78	34.74	13.07	21.16	30.09	0
6/22/2017 12:45	9.31	27.03	18.55	21.2	30.09	0
6/22/2017 13:00	9.34	2.075	21.76	21.74	30.08	0
6/22/2017 13:15	8.24	11.07	29.61	21.75	30.08	0
6/22/2017 13:30	7.742	39.08	16.59	21.81	30.08	0
6/22/2017 13:45	7.424	15.7	33.48	22.18	30.08	0
6/22/2017 14:00	9.36	328.8	12.03	22.64	30.07	0
6/22/2017 14:15	11.76	320.1	11.55	22.83	30.07	0
6/22/2017 14:30	11.14	323.7	9.32	22.91	30.07	0
6/22/2017 14:45	11.81	324.5	8.55	23.11	30.07	0
6/22/2017 15:00	9.03	339.5	16.94	23.07	30.06	0
6/22/2017 15:15	8.59	328.4	11.66	23.48	30.06	0
6/22/2017 15:30	7.997	326.2	15.13	23.54	30.06	0
6/22/2017 15:45	7.244	342.4	25.63	23.65	30.06	0
6/22/2017 16:00	6.889	5.146	37.73	23.34	30.05	0
6/22/2017 16:15	8.21	316.6	15.54	23.75	30.05	0
6/22/2017 16:30	9.16	320.7	10.08	23.58	30.05	0
6/22/2017 16:45	8.25	318.6	17.33	23.49	30.05	0
6/22/2017 17:00	9.63	314.8	9.53	23.19	30.02	0
6/22/2017 17:15	9.87	315.7	11.63	23.02	30.02	0
6/22/2017 17:30	9.03	314.7	11.82	22.88	30.02	0
6/22/2017 17:45	8.61	321	11.14	22.82	30.02	0
6/22/2017 18:00	8.88	321.1	9.47	22.52	30.02	0
6/22/2017 18:15	9.25	323.7	7.106	22.18	30.02	0
6/22/2017 18:30	7.886	328.2	12.02	21.98	30.02	0
6/22/2017 18:45	10.23	323.9	6.664	21.54	30.02	0
6/22/2017 19:00	10.12	331.5	11.53	21.21	30.02	0
6/22/2017 19:15	8.99	342.8	11.53	20.86	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
6/22/2017 19:30	9.16	331	7.857	20.3	30.02	0
6/22/2017 19:45	9.33	337.2	10.09	19.71	30.02	0
6/22/2017 20:00	8.96	341	10.97	19.49	30.02	0
6/22/2017 20:15	7.697	353.5	19.68	19.05	30.02	0
6/22/2017 20:30	2.725	37.52	24.94	18.38	30.02	0
6/22/2017 20:45	1.839	59.24	8.3	17.97	30.02	0
6/22/2017 21:00	1.808	27.28	12.67	17.56	30.03	0
6/22/2017 21:15	3.136	7.996	13.28	17.37	30.03	0
6/22/2017 21:30	7.575	30.77	5.196	16.38	30.03	0
6/22/2017 21:45	5.494	27.69	11.83	16.22	30.03	0
6/22/2017 22:00	2.993	27.63	14.99	16.07	30.02	0
6/22/2017 22:15	5.608	39.91	6.633	15.28	30.02	0
6/22/2017 22:30	5.996	34.62	8.17	14.88	30.02	0
6/22/2017 22:45	8.04	41.85	5.382	14.87	30.02	0
6/22/2017 23:00	8.94	40.26	6.484	14.92	30.02	0
6/22/2017 23:15	7.581	53.46	7.248	14.41	30.02	0
6/22/2017 23:30	8.03	50.21	7.511	14.52	30.02	0
6/22/2017 23:45	8.57	47.01	5.318	14.38	30.02	0
6/23/2017 0:00	10.7	38.26	6.056	14.71	30.03	0
6/23/2017 0:15	10.02	41.44	7.066	14.31	30.03	0
6/23/2017 0:30	8.84	52.63	8.95	14.38	30.03	0
6/23/2017 0:45	9.21	41.98	7.78	14.03	30.03	0
6/23/2017 1:00	3.489	43.56	15.14	13.49	30.02	0
6/23/2017 1:15	0.923	57.72	12.57	13.09	30.02	0
6/23/2017 1:30	7.285	33.88	6.652	13.07	30.02	0
6/23/2017 1:45	7.573	35.17	9.68	12.81	30.02	0
6/23/2017 2:00	4.584	47.63	8.02	12.02	30.02	0
6/23/2017 2:15	5.471	35.66	10.53	12.49	30.02	0
6/23/2017 2:30	5.115	49.74	16.39	12.6	30.02	0
6/23/2017 2:45	3.126	63.65	10.37	12.27	30.02	0
6/23/2017 3:00	4.663	55.76	7.673	11.48	30.01	0
6/23/2017 3:15	2.297	58.99	5.751	11.43	30.01	0
6/23/2017 3:30	1.693	76.98	9.54	11.82	30.01	0
6/23/2017 3:45	2.636	58.5	9.57	11.73	30.01	0
6/23/2017 4:00	2.765	60.66	6.165	12.01	30.01	0
6/23/2017 4:15	3.274	62.86	21.12	11.89	30.01	0
6/23/2017 4:30	3.254	104.8	2.759	11.61	30.01	0
6/23/2017 4:45	1.277	105.6	3.942	12.71	30.01	0
6/23/2017 5:00	2.749	49.15	9.45	12.6	30.01	0
6/23/2017 5:15	3.374	16.3	19.99	12.63	30.01	0
6/23/2017 5:30	1.861	12.6	35.9	12.46	30.01	0
6/23/2017 5:45	1.969	39.96	15.64	12.53	30.01	0
6/23/2017 6:00	1.856	49.51	0.597	12.84	30.02	0
6/23/2017 6:15	2.218	23	9.14	13.77	30.02	0
6/23/2017 6:30	1.298	4.082	14.62	14.61	30.02	0
6/23/2017 6:45	3.826	3.873	25.74	14.68	30.02	0
6/23/2017 7:00	3.591	44.65	9.28	14.45	30.03	0
6/23/2017 7:15	3.017	30.22	6.528	14.71	30.03	0
6/23/2017 7:30	2.28	44.18	14.74	15.69	30.03	0
6/23/2017 7:45	1.585	53.51	20.39	16.59	30.03	0
6/23/2017 8:00	1.648	42	18.31	16.93	30.02	0
6/23/2017 8:15	1.877	29.85	22.54	18.05	30.02	0
6/23/2017 8:30	2.316	27.52	22.77	18.35	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
6/23/2017 8:45	1.161	32.07	40.77	19.12	30.02	0
6/23/2017 9:00	2.233	291	26.38	19.96	30.02	0
6/23/2017 9:15	3.415	341.5	35.89	20.21	30.02	0
6/23/2017 9:30	6.027	341.6	29.12	20.71	30.02	0
6/23/2017 9:45	9.67	17.38	12.55	21.09	30.02	0
6/23/2017 10:00	7.888	6.618	20.35	21.67	30.01	0
6/23/2017 10:15	8.12	20.03	17.89	21.88	30.01	0
6/23/2017 10:30	9.85	35.44	11.43	21.91	30.01	0
6/23/2017 10:45	10.17	30.3	15.63	21.89	30.01	0
6/23/2017 11:00	9.58	32.95	11.56	22.56	29.99	0
6/23/2017 11:15	8.73	17.97	17.99	23.36	29.99	0
6/23/2017 11:30	8.03	9.82	23.27	23.75	29.99	0
6/23/2017 11:45	9.07	22.98	13.68	23.76	29.99	0
6/23/2017 12:00	7.64	15.4	17.63	24.42	30	0
6/23/2017 12:15	7.616	13.84	29.82	24.88	30	0
6/23/2017 12:30	7.646	20.85	18.47	25.37	30	0
6/23/2017 12:45	9.1	21.12	20.2	25.46	30	0
6/23/2017 13:00	10.84	28.17	13.01	25.27	29.99	0
6/23/2017 13:15	9.61	28.33	15.14	25.55	29.99	0
6/23/2017 13:30	7.89	4.309	16.29	26.22	29.99	0
6/23/2017 13:45	8.28	14.63	15.68	26.13	29.99	0
6/23/2017 14:00	9.19	4.074	17.33	26.31	29.98	0
6/23/2017 14:15	8.69	17.86	19.26	26.42	29.98	0
6/23/2017 14:30	8.16	17.29	19.3	26.87	29.98	0
6/23/2017 14:45	10.76	20.06	12.33	26.38	29.98	0
6/23/2017 15:00	9.93	6.32	16.95	27.05	29.97	0
6/23/2017 15:15	10.32	9.94	20.76	26.89	29.97	0
6/23/2017 15:30	9.91	1.332	20.87	26.96	29.97	0
6/23/2017 15:45	9.08	2.396	20.46	27.05	29.97	0
6/23/2017 16:00	8.62	357.4	16.36	27.21	29.94	0
6/23/2017 16:15	9.43	1.959	18.47	26.97	29.94	0
6/23/2017 16:30	9.84	355.6	18.39	26.94	29.94	0
6/23/2017 16:45	9.05	353.6	16.81	27.06	29.94	0
6/23/2017 17:00	8.73	354.8	17.6	27.12	29.93	0
6/23/2017 17:15	8.66	345.8	22.48	26.87	29.93	0
6/23/2017 17:30	6.899	330	15.26	27.01	29.93	0
6/23/2017 17:45	6.989	311.3	12.27	26.84	29.93	0
6/23/2017 18:00	7.631	309.8	10.12	26.51	29.93	0
6/23/2017 18:15	8.3	318.9	11.89	26.03	29.93	0
6/23/2017 18:30	7.2	324.9	16.53	25.56	29.93	0
6/23/2017 18:45	4.758	333.2	27.82	25.3	29.93	0
6/23/2017 19:00	4.254	1.026	20.84	24.65	29.92	0
6/23/2017 19:15	5.693	12.12	17.43	23.82	29.92	0
6/23/2017 19:30	7.204	12.94	15.77	23.04	29.92	0
6/23/2017 19:45	8.53	22.7	10.83	22.49	29.92	0
6/23/2017 20:00	7.725	23.63	11.38	22.28	29.93	0
6/23/2017 20:15	5.961	29.66	13.06	21.34	29.93	0
6/23/2017 20:30	7.514	17.3	7.39	20.59	29.93	0
6/23/2017 20:45	7.833	10.27	13	20.54	29.93	0
6/23/2017 21:00	7.236	4.318	15.92	20.36	29.93	0
6/23/2017 21:15	5.722	6.973	16.64	19.92	29.93	0
6/23/2017 21:30	7.521	37.55	12.06	19.9	29.93	0
6/23/2017 21:45	9.79	39.86	9.64	19.84	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
6/23/2017 22:00	10.63	28.81	10.27	19.79	29.92	0
6/23/2017 22:15	9.93	26.34	9.7	19.62	29.92	0
6/23/2017 22:30	9.27	33.38	6.453	19.29	29.92	0
6/23/2017 22:45	9.98	36.48	6.917	19.36	29.92	0
6/23/2017 23:00	13.59	33.02	6.22	19.25	29.92	0
6/23/2017 23:15	12.58	29.28	5.186	18.68	29.92	0
6/23/2017 23:30	11.6	32.09	5.563	18.59	29.92	0
6/23/2017 23:45	10.21	37.17	4.835	18.6	29.92	0
6/24/2017 0:00	10.86	31.21	5.977	18.39	29.92	0
6/24/2017 0:15	10.21	34.38	6.708	17.76	29.92	0
6/24/2017 0:30	9.65	36.12	11.62	17.6	29.92	0
6/24/2017 0:45	6.982	58.85	9.32	17	29.92	0
6/24/2017 1:00	7.525	36.64	8.24	16.46	29.92	0
6/24/2017 1:15	5.949	37.78	3.958	15.37	29.92	0
6/24/2017 1:30	5.039	36.91	3.171	15.52	29.92	0
6/24/2017 1:45	4.28	34.71	3.232	15.66	29.92	0
6/24/2017 2:00	4.128	42.31	3.328	15.62	29.92	0
6/24/2017 2:15	2.821	54.38	11.11	15.26	29.92	0
6/24/2017 2:30	2.858	92.3	18.56	15.51	29.92	0
6/24/2017 2:45	4.297	61.05	12.72	15.83	29.92	0
6/24/2017 3:00	3.109	32.63	3.941	15.02	29.92	0
6/24/2017 3:15	2.787	46.66	3.307	15.58	29.92	0
6/24/2017 3:30	2.384	42.61	0.686	15.54	29.92	0
6/24/2017 3:45	2.975	44.7	2.185	15.22	29.92	0
6/24/2017 4:00	3.44	48.24	4.88	15.21	29.92	0
6/24/2017 4:15	3.773	40.54	1.881	15.13	29.92	0
6/24/2017 4:30	4.778	35.81	5.036	14.95	29.92	0
6/24/2017 4:45	5.172	30.01	4.738	14.01	29.92	0
6/24/2017 5:00	5.276	38.32	7.865	13.87	29.93	0
6/24/2017 5:15	5.148	35.78	5.142	13.26	29.93	0
6/24/2017 5:30	5.249	33.24	6.121	13.65	29.93	0
6/24/2017 5:45	6.265	29.64	8.2	13.94	29.93	0
6/24/2017 6:00	5.454	26.1	7.769	15.26	29.92	0
6/24/2017 6:15	5.002	28.69	5.958	16.58	29.92	0
6/24/2017 6:30	3.512	26.6	5.63	17.15	29.92	0
6/24/2017 6:45	4.401	39.75	7.092	17.19	29.92	0
6/24/2017 7:00	5.191	38.72	7.194	16.94	29.93	0
6/24/2017 7:15	6.416	35.04	13.53	17.57	29.93	0
6/24/2017 7:30	5.722	33.23	11.55	18.16	29.93	0
6/24/2017 7:45	2.641	33.79	10.93	19.25	29.93	0
6/24/2017 8:00	2.218	225.9	61.73	20.53	29.93	0
6/24/2017 8:15	2.488	190.8	25.59	21.03	29.93	0
6/24/2017 8:30	2.213	168.9	26.66	22.25	29.93	0
6/24/2017 8:45	2.072	230.5	28.95	22.64	29.93	0
6/24/2017 9:00	2.449	66.21	71.38	23.73	29.93	0
6/24/2017 9:15	7.083	33.59	12.48	23.6	29.93	0
6/24/2017 9:30	7.53	31.34	9.89	23.94	29.93	0
6/24/2017 9:45	5.69	34.85	13.1	24.52	29.93	0
6/24/2017 10:00	7.498	37.07	8.25	24.94	29.93	0
6/24/2017 10:15	7.285	33.4	9.84	25.27	29.93	0
6/24/2017 10:30	6.987	37.4	14.04	25.6	29.93	0
6/24/2017 10:45	7.601	34.16	13.95	25.99	29.93	0
6/24/2017 11:00	9.28	30.46	10.12	26.64	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
6/24/2017 11:15	7.636	32.66	8.84	27.54	29.91	0
6/24/2017 11:30	3.319	359.5	41.06	28.92	29.91	0
6/24/2017 11:45	5.03	331.8	73.47	29.32	29.91	0
6/24/2017 12:00	5.979	31.92	34.56	29.38	29.89	0
6/24/2017 12:15	7.706	21.87	16.69	29.86	29.89	0
6/24/2017 12:30	8.13	19.6	15.92	30.25	29.89	0
6/24/2017 12:45	6.701	7.194	23.61	30.91	29.89	0
6/24/2017 13:00	8.84	31.29	12.77	30.4	29.88	0
6/24/2017 13:15	8.96	25.4	13	30.53	29.88	0
6/24/2017 13:30	9.12	23.19	11.15	30.95	29.88	0
6/24/2017 13:45	9.96	21.45	13.05	30.89	29.88	0
6/24/2017 14:00	10.35	11.24	17.39	31.21	29.85	0
6/24/2017 14:15	10.33	5.984	14.57	31.47	29.85	0
6/24/2017 14:30	10.16	358	18.34	31.96	29.85	0
6/24/2017 14:45	10.29	0.102	17.42	32.06	29.85	0
6/24/2017 15:00	10.81	9.61	15.83	31.81	29.83	0
6/24/2017 15:15	9.88	2.523	18.92	32.29	29.83	0
6/24/2017 15:30	11.46	355.6	16.61	32.41	29.83	0
6/24/2017 15:45	10.88	7.077	16.96	32.05	29.83	0
6/24/2017 16:00	10.29	13.77	15.77	31.76	29.8	0
6/24/2017 16:15	9.82	6.344	18.5	31.98	29.8	0
6/24/2017 16:30	11.56	3.951	17.08	31.9	29.8	0
6/24/2017 16:45	12.45	5.32	16.12	31.8	29.8	0
6/24/2017 17:00	9.91	1.076	17.88	31.87	29.77	0
6/24/2017 17:15	9.41	358.7	18.61	31.85	29.77	0
6/24/2017 17:30	7.072	1.463	20.26	31.81	29.77	0
6/24/2017 17:45	8.76	5.612	24.87	31.5	29.77	0
6/24/2017 18:00	8.88	11.6	13.19	31.06	29.75	0
6/24/2017 18:15	8.93	13.78	10.97	30.73	29.75	0
6/24/2017 18:30	8.44	12.35	14.46	30.41	29.75	0
6/24/2017 18:45	6.918	1.82	26.89	30.5	29.75	0
6/24/2017 19:00	5.899	2.452	18.5	30.38	29.75	0
6/24/2017 19:15	5.268	358.6	17.69	29.95	29.75	0
6/24/2017 19:30	4.679	2.908	21.61	29.53	29.75	0
6/24/2017 19:45	6.495	29.68	10.62	28.53	29.75	0
6/24/2017 20:00	9.5	36.28	7.591	27.73	29.73	0
6/24/2017 20:15	10.66	35.09	6.55	27.18	29.73	0
6/24/2017 20:30	9.88	39.65	8.52	27.01	29.73	0
6/24/2017 20:45	7.907	47.48	10.27	26.76	29.73	0
6/24/2017 21:00	7.676	46.76	10.51	25.93	29.74	0
6/24/2017 21:15	9.16	44.1	8.88	25.45	29.74	0
6/24/2017 21:30	8.49	39.71	10.74	24.99	29.74	0
6/24/2017 21:45	9.24	40.95	8.79	24.6	29.74	0
6/24/2017 22:00	9.8	39.42	8.01	23.88	29.72	0
6/24/2017 22:15	10.11	37.27	7.438	23.8	29.72	0
6/24/2017 22:30	10.18	33.32	6.715	23.81	29.72	0
6/24/2017 22:45	8.58	35.9	8.11	23.73	29.72	0
6/24/2017 23:00	8.72	35.8	6.416	23.13	29.71	0
6/24/2017 23:15	8.08	39.2	6.559	22.74	29.71	0
6/24/2017 23:30	7.422	32.62	7.676	22.45	29.71	0
6/24/2017 23:45	6.618	33.94	6.571	21.94	29.71	0
6/25/2017 0:00	6.396	35.8	8.93	21.69	29.69	0
6/25/2017 0:15	4.789	34.8	10.2	21.56	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
6/25/2017 0:30	4.621	47.53	10.95	21.31	29.69	0
6/25/2017 0:45	5.374	39.48	12.04	20.69	29.69	0
6/25/2017 1:00	5.923	41.55	9.02	20.12	29.69	0
6/25/2017 1:15	6.154	33.93	8.37	20.21	29.69	0
6/25/2017 1:30	6.19	26.04	9.7	20.28	29.69	0
6/25/2017 1:45	6.265	30.1	8.95	20.5	29.69	0
6/25/2017 2:00	6.025	29.42	8.5	20.08	29.68	0
6/25/2017 2:15	5.509	34.79	7.194	19.5	29.68	0
6/25/2017 2:30	6.426	29.61	8.48	19.26	29.68	0
6/25/2017 2:45	5.969	34.32	6.879	18.81	29.68	0
6/25/2017 3:00	5.828	30.76	8.16	18.5	29.67	0
6/25/2017 3:15	6.115	22.76	5.557	18.52	29.67	0
6/25/2017 3:30	6.897	26.82	7.452	18.17	29.67	0
6/25/2017 3:45	6.333	25.27	7.727	17.88	29.67	0
6/25/2017 4:00	6.61	26.25	6.506	17.71	29.68	0
6/25/2017 4:15	6.37	38.27	6.006	17.57	29.68	0
6/25/2017 4:30	6.157	39.01	7.886	17.44	29.68	0
6/25/2017 4:45	5.966	27.43	6.023	17.62	29.68	0
6/25/2017 5:00	6.045	40.02	8.73	17.51	29.69	0
6/25/2017 5:15	5.592	30.27	7.693	18.07	29.69	0
6/25/2017 5:30	5.099	34.24	5.551	18.49	29.69	0
6/25/2017 5:45	3.449	37.65	9.03	19.14	29.69	0
6/25/2017 6:00	3.501	23.28	6.155	19.81	29.69	0
6/25/2017 6:15	3.582	27.55	9.63	20.66	29.69	0
6/25/2017 6:30	2.556	10.95	15.69	21.59	29.69	0
6/25/2017 6:45	3.197	15.94	10.34	22.17	29.69	0
6/25/2017 7:00	1.918	10.2	22.89	23.7	29.7	0
6/25/2017 7:15	2.258	0.155	24.63	22.91	29.7	0
6/25/2017 7:30	1.437	17.22	3.171	22.2	29.7	0
6/25/2017 7:45	1.379	329.8	17.45	23.53	29.7	0
6/25/2017 8:00	2.209	333.5	15.63	24.63	29.68	0
6/25/2017 8:15	2.54	347.1	18.52	24.79	29.68	0
6/25/2017 8:30	3.401	339.5	12.25	24.99	29.68	0
6/25/2017 8:45	3.167	326	16.53	25.3	29.68	0
6/25/2017 9:00	3.294	313.8	16.12	25.95	29.67	0
6/25/2017 9:15	3.121	338.7	28.77	26.55	29.67	0
6/25/2017 9:30	3.91	12.17	16.7	27.02	29.67	0
6/25/2017 9:45	3.285	14.29	22.29	27.94	29.67	0
6/25/2017 10:00	3.017	16.96	27.63	28.53	29.66	0
6/25/2017 10:15	3.437	333.7	26.87	29.7	29.66	0
6/25/2017 10:30	2.666	346.1	34.58	30	29.66	0
6/25/2017 10:45	4.779	296.9	16.32	30.16	29.66	0
6/25/2017 11:00	4.974	287	12.1	30.29	29.65	0
6/25/2017 11:15	5.295	283.1	14.96	30.53	29.65	0
6/25/2017 11:30	6.776	280.1	8.44	30.64	29.65	0
6/25/2017 11:45	6.999	279.1	9.13	31.1	29.65	0
6/25/2017 12:00	6.495	274.7	11.14	31.52	29.64	0
6/25/2017 12:15	6.63	280.9	11.45	31.97	29.64	0
6/25/2017 12:30	7.176	276.5	9.89	32.36	29.64	0
6/25/2017 12:45	4.333	281.3	16.77	32.58	29.64	0
6/25/2017 13:00	2.948	311.7	28.23	33.59	29.62	0
6/25/2017 13:15	3.595	320.9	36.13	34.28	29.62	0
6/25/2017 13:30	3.788	299.9	29.3	34.78	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
6/25/2017 13:45	3.692	308	26.37	35.28	29.62	0
6/25/2017 14:00	5.496	290.9	18.35	35.46	29.6	0
6/25/2017 14:15	11.15	270.1	14.17	35.23	29.6	0
6/25/2017 14:30	9.99	277.4	12.4	34.54	29.6	0
6/25/2017 14:45	9.51	286	13.54	34.66	29.6	0
6/25/2017 15:00	9.59	305.8	14.21	34.68	29.58	0
6/25/2017 15:15	9.44	305.7	11.29	34.92	29.58	0
6/25/2017 15:30	9.52	310.1	9.77	34.87	29.58	0
6/25/2017 15:45	7.214	315.4	17.07	34.76	29.58	0
6/25/2017 16:00	7.222	304.9	14.11	34.96	29.57	0
6/25/2017 16:15	7.17	298.7	10.68	35.22	29.57	0
6/25/2017 16:30	7.57	296.5	16.08	34.89	29.57	0
6/25/2017 16:45	6.535	324.2	10.33	35.16	29.57	0
6/25/2017 17:00	7.443	325.1	8.05	34.93	29.57	0
6/25/2017 17:15	6.888	326	6.588	34.93	29.57	0
6/25/2017 17:30	5.929	322	8.5	34.71	29.57	0
6/25/2017 17:45	5.929	317.5	6.33	34.08	29.57	0
6/25/2017 18:00	7.608	307.4	7.82	33.23	29.53	0
6/25/2017 18:15	6.463	320.3	14.93	32.01	29.53	0
6/25/2017 18:30	6.363	26.87	13.54	30.27	29.53	0
6/25/2017 18:45	4.925	17.82	15.05	29.58	29.53	0
6/25/2017 19:00	6.269	5.029	19.34	29.67	29.57	0
6/25/2017 19:15	7.944	347.7	12.91	29.53	29.57	0
6/25/2017 19:30	6.753	9.04	19.82	29.24	29.57	0
6/25/2017 19:45	6.554	20.78	12.21	28.73	29.57	0
6/25/2017 20:00	5.424	41.91	12.81	27.4	29.57	0
6/25/2017 20:15	7.96	35.66	6.536	26.67	29.57	0
6/25/2017 20:30	6.333	38.22	7.767	26.34	29.57	0
6/25/2017 20:45	3.65	53.67	12.17	26.33	29.57	0
6/25/2017 21:00	2.924	27.16	47.05	26.07	29.59	0
6/25/2017 21:15	1.817	243	28.89	26.22	29.59	0
6/25/2017 21:30	2.13	63.64	10.8	25.23	29.59	0
6/25/2017 21:45	3.414	58.32	10.36	23.98	29.59	0
6/25/2017 22:00	6.74	44.85	7.51	23.5	29.62	0
6/25/2017 22:15	8.25	50.99	8.55	23.13	29.62	0
6/25/2017 22:30	7.336	84.8	32.33	22.88	29.62	0
6/25/2017 22:45	5.456	122.9	17.81	21.8	29.62	0
6/25/2017 23:00	6.217	154.9	6.106	21.43	29.62	0
6/25/2017 23:15	7.196	201.4	17.05	21.48	29.62	0
6/25/2017 23:30	7.207	243	18.48	21.71	29.62	0
6/25/2017 23:45	6.966	276.6	5.997	20.85	29.62	0
6/26/2017 0:00	6.641	283.8	6.838	19.6	29.62	0
6/26/2017 0:15	5.171	236	9.17	19.05	29.62	0
6/26/2017 0:30	6.69	219.5	7.069	18.5	29.62	0
6/26/2017 0:45	8.74	223.1	4.639	18.19	29.62	0
6/26/2017 1:00	8.57	219.4	7.819	17.72	29.63	0
6/26/2017 1:15	4.469	174.6	20.37	16.7	29.63	0
6/26/2017 1:30	5.13	166.7	11.97	16.17	29.63	0
6/26/2017 1:45	4.882	208.9	13.26	16.89	29.63	0
6/26/2017 2:00	7.133	188.5	15.49	16.51	29.64	0
6/26/2017 2:15	9.49	182.7	11.47	15.67	29.64	0
6/26/2017 2:30	8.55	211.5	17.01	15.3	29.64	0
6/26/2017 2:45	4.54	195.3	10.42	14.84	29.64	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
6/26/2017 3:00	4.07	181.3	19.88	14.62	29.66	0
6/26/2017 3:15	3.254	167.2	11.78	14.46	29.66	0
6/26/2017 3:30	4.949	179	15.82	14.1	29.66	0
6/26/2017 3:45	5.307	163.3	18.09	13.95	29.66	0
6/26/2017 4:00	3.492	120.5	23.74	13.85	29.65	0
6/26/2017 4:15	3.441	117.9	19.45	13.91	29.65	0
6/26/2017 4:30	3.927	148.2	16.95	14.41	29.65	0
6/26/2017 4:45	3.169	217.2	22.48	15.1	29.65	0
6/26/2017 5:00	3.165	230.7	15.12	15.31	29.67	0
6/26/2017 5:15	1.872	215.9	21.71	15.25	29.67	0
6/26/2017 5:30	3.448	264.3	12.27	14.66	29.67	0
6/26/2017 5:45	2.749	283.9	4.933	14.24	29.67	0
6/26/2017 6:00	2.042	220.8	62.5	14.98	29.67	0
6/26/2017 6:15	5.804	204.1	14.75	15.36	29.67	0
6/26/2017 6:30	5.766	201.7	8.44	14.98	29.67	0
6/26/2017 6:45	5.624	204.4	10.08	14.63	29.67	0
6/26/2017 7:00	6.66	227.7	13.84	14.69	29.71	0
6/26/2017 7:15	6.25	210.2	16.46	14.65	29.71	0
6/26/2017 7:30	5.965	189.2	10.7	14.76	29.71	0
6/26/2017 7:45	5.166	174.1	17.34	14.83	29.71	0
6/26/2017 8:00	5.343	129	14.56	15.15	29.72	0
6/26/2017 8:15	5.033	137.4	19.84	15.66	29.72	0
6/26/2017 8:30	4.392	146.2	17.28	15.3	29.72	0
6/26/2017 8:45	4	161.1	26.79	15.41	29.72	0
6/26/2017 9:00	4.513	185.2	31.88	15.78	29.73	0
6/26/2017 9:15	5.734	219.9	16.63	15.72	29.73	0
6/26/2017 9:30	7.039	221.3	10.13	15.82	29.73	0
6/26/2017 9:45	5.924	218	16.22	16	29.73	0
6/26/2017 10:00	6.088	187.1	18.77	16.26	29.75	0
6/26/2017 10:15	5.481	192.2	14.18	16.31	29.75	0
6/26/2017 10:30	6.627	205.3	21.1	16.34	29.75	0
6/26/2017 10:45	6.773	195.6	12.1	16.71	29.75	0
6/26/2017 11:00	8.41	163	14.44	17.56	29.77	0
6/26/2017 11:15	8.59	160.5	10.35	17.16	29.77	0
6/26/2017 11:30	6.937	134.2	10.49	17.86	29.77	0
6/26/2017 11:45	4.628	138	24.09	18.36	29.77	0
6/26/2017 12:00	2.998	137.8	30.03	18.81	29.73	0
6/26/2017 12:15	4.133	70.35	31.13	18.37	29.73	0
6/26/2017 12:30	2.305	196.9	49.96	18.79	29.73	0
6/26/2017 12:45	4.453	183.8	25.4	18.8	29.73	0
6/26/2017 13:00	5.14	175.9	33.6	18.98	29.76	0
6/26/2017 13:15	6.001	175.2	24.76	19.06	29.76	0
6/26/2017 13:30	8.09	218	16.9	19.2	29.76	0
6/26/2017 13:45	7.937	190.9	13.69	19.34	29.76	0
6/26/2017 14:00	7.609	197.4	25.39	19.6	29.77	0
6/26/2017 14:15	6.137	201.9	22.5	19.86	29.77	0
6/26/2017 14:30	6.85	207	16.06	20.03	29.77	0
6/26/2017 14:45	6.433	239.3	22.84	20.04	29.77	0
6/26/2017 15:00	5.288	231.1	16.41	19.83	29.76	0
6/26/2017 15:15	3.693	233.9	18.87	19.97	29.76	0
6/26/2017 15:30	4.101	247.6	24.54	20.28	29.76	0
6/26/2017 15:45	7.283	255.7	20.97	20.89	29.76	0
6/26/2017 16:00	8.07	247.1	10.47	20.47	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
6/26/2017 16:15	6.979	246.8	13.73	20.35	29.75	0
6/26/2017 16:30	5.257	243.4	16.71	20.95	29.75	0
6/26/2017 16:45	4.773	223.5	26.55	21.19	29.75	0
6/26/2017 17:00	5.544	258.9	25.8	21.44	29.76	0
6/26/2017 17:15	4.555	270.2	25.48	21.29	29.76	0
6/26/2017 17:30	2.692	211.9	45.54	21.75	29.76	0
6/26/2017 17:45	1.338	262.4	49.32	21.74	29.76	0
6/26/2017 18:00	1.951	296.2	65.88	21.16	29.73	0
6/26/2017 18:15	4.905	287.5	22.11	20.5	29.73	0
6/26/2017 18:30	5.884	285.5	5.277	20.14	29.73	0
6/26/2017 18:45	8.48	271.8	8.21	20.14	29.73	0
6/26/2017 19:00	7.792	260.9	7.949	19.92	29.73	0
6/26/2017 19:15	7.77	240.1	10.71	19.55	29.73	0
6/26/2017 19:30	8.97	242.7	11.04	18.91	29.73	0
6/26/2017 19:45	7.667	250.1	8.58	18.28	29.73	0
6/26/2017 20:00	7.439	257.3	11	17.52	29.72	0
6/26/2017 20:15	3.846	274.9	15.38	17.07	29.72	0
6/26/2017 20:30	5.217	272.7	15.73	16.62	29.72	0
6/26/2017 20:45	6.693	247.7	5.45	16.5	29.72	0
6/26/2017 21:00	5.816	237.2	5.845	16.37	29.74	0
6/26/2017 21:15	5.018	262.4	13.03	15.79	29.74	0
6/26/2017 21:30	5.89	254.2	6.929	15.4	29.74	0
6/26/2017 21:45	4.933	260.5	12.84	15.16	29.74	0
6/26/2017 22:00	6.413	264	7.043	14.7	29.74	0
6/26/2017 22:15	5.946	253.9	9.74	14.45	29.74	0
6/26/2017 22:30	6.886	239.9	5.142	14.43	29.74	0
6/26/2017 22:45	6.425	234.9	5.243	14.17	29.74	0
6/26/2017 23:00	4.889	248.8	5.925	13.81	29.76	0
6/26/2017 23:15	4.629	251.8	8.41	13.54	29.76	0
6/26/2017 23:30	3.437	250.6	4.845	13.27	29.76	0
6/26/2017 23:45	4.068	242.3	7.394	13.32	29.76	0
6/27/2017 0:00	4.006	238.8	8.09	13.22	29.78	0
6/27/2017 0:15	4.581	212.7	5.958	12.98	29.78	0
6/27/2017 0:30	5.047	203.9	9.68	12.63	29.78	0
6/27/2017 0:45	5.397	176.7	14.56	12.02	29.78	0
6/27/2017 1:00	8.86	165.6	5.303	11.59	29.78	0
6/27/2017 1:15	8.65	166.5	5.117	11.2	29.78	0
6/27/2017 1:30	7.536	154.1	5.011	10.7	29.78	0
6/27/2017 1:45	6.642	148.6	5.887	10.63	29.78	0
6/27/2017 2:00	6.663	149.9	7.645	10.73	29.79	0
6/27/2017 2:15	5.458	143.7	6.968	10.93	29.79	0
6/27/2017 2:30	5.906	145.1	8.51	10.93	29.79	0
6/27/2017 2:45	6.049	147.2	7.216	10.85	29.79	0
6/27/2017 3:00	4.923	133.7	8.99	10.86	29.81	0
6/27/2017 3:15	4.368	136.4	11.69	10.88	29.81	0
6/27/2017 3:30	4	127.1	5.913	10.95	29.81	0
6/27/2017 3:45	4.109	131.1	6.897	10.95	29.81	0
6/27/2017 4:00	4.52	136.3	11.8	10.97	29.82	0
6/27/2017 4:15	4.081	141.3	9.93	10.96	29.82	0
6/27/2017 4:30	3.305	144.1	9.26	11	29.82	0
6/27/2017 4:45	3.981	134.3	8.69	11.02	29.82	0
6/27/2017 5:00	4.414	135.7	7.845	11.07	29.83	0
6/27/2017 5:15	4.163	135.8	9.12	11.15	29.83	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
6/27/2017 5:30	4.43	148.6	16.26	11.23	29.83	0
6/27/2017 5:45	3.471	152.8	16.46	11.38	29.83	0
6/27/2017 6:00	3.702	172	17.11	11.5	29.84	0
6/27/2017 6:15	4.15	158.8	18.24	11.45	29.84	0
6/27/2017 6:30	4.725	181.2	9.86	11.57	29.84	0
6/27/2017 6:45	4.682	184.9	9.97	11.69	29.84	0
6/27/2017 7:00	4.356	188.5	15.64	11.78	29.85	0
6/27/2017 7:15	4.507	174.1	20	11.88	29.85	0
6/27/2017 7:30	4.555	175.1	19.52	12	29.85	0
6/27/2017 7:45	5.271	194.5	8.31	12	29.85	0
6/27/2017 8:00	5.718	200.4	14.77	12.2	29.86	0
6/27/2017 8:15	5.828	177.1	15.03	12.21	29.86	0
6/27/2017 8:30	4.298	171.4	18.47	12.45	29.86	0
6/27/2017 8:45	3.805	166.1	18.4	12.51	29.86	0
6/27/2017 9:00	3.211	154.3	15.18	12.67	29.89	0
6/27/2017 9:15	3.879	179.9	31.79	12.83	29.89	0
6/27/2017 9:30	4.919	178.4	20.19	12.9	29.89	0
6/27/2017 9:45	3.947	182.3	15.3	12.96	29.89	0
6/27/2017 10:00	4.587	181.4	25.95	13.19	29.87	0
6/27/2017 10:15	5.531	135.6	12.25	13.3	29.87	0
6/27/2017 10:30	4.582	171.3	31.77	13.69	29.87	0
6/27/2017 10:45	4.753	163.5	23.25	13.97	29.87	0
6/27/2017 11:00	5.198	140.2	19.96	14.33	29.88	0
6/27/2017 11:15	4.517	153.2	37.19	14.14	29.88	0
6/27/2017 11:30	5.831	155.4	47.62	14.8	29.88	0
6/27/2017 11:45	5.093	96.3	28.14	14.89	29.88	0
6/27/2017 12:00	3.394	164.2	56.59	15.54	29.88	0
6/27/2017 12:15	4.278	214.7	33.54	15.41	29.88	0
6/27/2017 12:30	3.367	222.3	42.05	16.31	29.88	0
6/27/2017 12:45	3.15	276.5	52.85	16.31	29.88	0
6/27/2017 13:00	3.065	168.9	75.7	17.53	29.86	0
6/27/2017 13:15	4.423	259.3	23.92	17.35	29.86	0
6/27/2017 13:30	2.695	229.3	77.56	18.09	29.86	0
6/27/2017 13:45	4.35	210.5	43.46	18.1	29.86	0
6/27/2017 14:00	5.289	228.8	34.98	18.51	29.82	0
6/27/2017 14:15	3.996	248.8	26.39	18.95	29.82	0
6/27/2017 14:30	3.51	247.1	60.92	19.24	29.82	0
6/27/2017 14:45	5.092	233.4	36.36	19.62	29.82	0
6/27/2017 15:00	4.742	245.3	22.17	19.69	29.79	0
6/27/2017 15:15	4.56	233.7	33.67	19.85	29.79	0
6/27/2017 15:30	6.357	259	16.78	20.29	29.79	0
6/27/2017 15:45	4.963	232.2	30.94	20.27	29.79	0
6/27/2017 16:00	5.471	255.6	33.96	20.53	29.77	0
6/27/2017 16:15	5.684	309.7	29.02	20.59	29.77	0
6/27/2017 16:30	6.456	276.8	13.8	20.47	29.77	0
6/27/2017 16:45	6.573	267.5	18.07	20.65	29.77	0
6/27/2017 17:00	5.914	286.5	14.2	20.61	29.74	0
6/27/2017 17:15	6.256	264.5	17.53	20.61	29.74	0
6/27/2017 17:30	4.992	255.6	19.76	20.47	29.74	0
6/27/2017 17:45	4.473	259.8	26.46	20.6	29.74	0
6/27/2017 18:00	5.886	280.6	12.09	20.05	29.73	0
6/27/2017 18:15	4.665	297.3	10.15	20.14	29.73	0
6/27/2017 18:30	5.411	290.2	13.15	20.04	29.73	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
6/27/2017 18:45	5.031	282	12.66	19.54	29.73	0
6/27/2017 19:00	3.77	286	5.175	19.35	29.71	0
6/27/2017 19:15	2.982	276.6	6.267	19.55	29.71	0
6/27/2017 19:30	3.097	284.6	4.697	19.18	29.71	0
6/27/2017 19:45	2.686	266.3	7.845	18.78	29.71	0
6/27/2017 20:00	2.366	280.2	7.887	18.55	29.71	0
6/27/2017 20:15	1.6	335.6	53.6	18	29.71	0
6/27/2017 20:30	2.149	32.33	0.171	17.26	29.71	0
6/27/2017 20:45	2.219	39.62	6.965	17.12	29.71	0
6/27/2017 21:00	2.671	55.72	1.483	16.77	29.71	0
6/27/2017 21:15	2.544	54.79	1.848	16.51	29.71	0
6/27/2017 21:30	2.607	52.68	0.306	16.22	29.71	0
6/27/2017 21:45	2.033	53.63	0.65	16.07	29.71	0
6/27/2017 22:00	2.266	56.51	1.278	15.91	29.7	0
6/27/2017 22:15	2.177	79.9	72.39	15.24	29.7	0
6/27/2017 22:30	6.236	229.4	7.685	15.16	29.7	0
6/27/2017 22:45	4.337	229.1	3.917	15.52	29.7	0
6/27/2017 23:00	2.578	128.6	81.5	14.69	29.71	0
6/27/2017 23:15	2.499	107.6	4.23	13.8	29.71	0
6/27/2017 23:30	1.871	124.9	10.97	14.41	29.71	0
6/27/2017 23:45	3.779	182.6	20.62	14.26	29.71	0
6/28/2017 0:00	4.929	200.6	4.633	13.26	29.72	0
6/28/2017 0:15	4.133	175.7	5.75	13.18	29.72	0
6/28/2017 0:30	5.04	197.2	7.087	13.25	29.72	0
6/28/2017 0:45	5.076	210.9	4.985	13.34	29.72	0
6/28/2017 1:00	4.048	209.4	9.57	13.11	29.73	0
6/28/2017 1:15	1.899	191.1	1.442	12.81	29.73	0
6/28/2017 1:30	1.617	209.6	11.01	13.07	29.73	0
6/28/2017 1:45	2.309	219.2	15.22	13	29.73	0
6/28/2017 2:00	3.204	188.1	3.291	12.55	29.73	0
6/28/2017 2:15	2.489	179.7	6.537	12.42	29.73	0
6/28/2017 2:30	3.041	193.6	14.49	12.19	29.73	0
6/28/2017 2:45	3.06	226.8	6.075	12.31	29.73	0
6/28/2017 3:00	3.096	221	14.55	12.23	29.74	0
6/28/2017 3:15	2.931	217.4	7.553	12.03	29.74	0
6/28/2017 3:30	2.672	205	11.04	11.95	29.74	0
6/28/2017 3:45	2.772	200.4	10.27	11.88	29.74	0
6/28/2017 4:00	3.804	203.9	2.878	11.95	29.75	0
6/28/2017 4:15	2.83	211.1	45.73	11.88	29.75	0
6/28/2017 4:30	3.544	195.3	5.138	11.78	29.75	0
6/28/2017 4:45	4.28	176.1	9.79	11.62	29.75	0
6/28/2017 5:00	4.973	180.3	13.5	11.71	29.76	0
6/28/2017 5:15	4.936	166.6	9.77	11.63	29.76	0
6/28/2017 5:30	6.836	191	8.95	11.79	29.76	0
6/28/2017 5:45	8.23	190.4	7.46	11.67	29.76	0
6/28/2017 6:00	6.006	179.2	11.04	11.79	29.78	0
6/28/2017 6:15	6.229	170.2	14.88	11.84	29.78	0
6/28/2017 6:30	6.589	177.3	13.01	11.91	29.78	0
6/28/2017 6:45	6.688	181.7	15.84	11.97	29.78	0
6/28/2017 7:00	5.855	192.7	13.33	12.14	29.79	0
6/28/2017 7:15	4.419	199.8	10.75	12.37	29.79	0
6/28/2017 7:30	5.488	184.7	9.93	12.41	29.79	0
6/28/2017 7:45	4.422	205.3	14.97	12.62	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
6/28/2017 8:00	5.215	185.4	11.39	12.68	29.81	0
6/28/2017 8:15	5.151	192.1	9.82	12.85	29.81	0
6/28/2017 8:30	4.676	190.3	18.38	13.07	29.81	0
6/28/2017 8:45	4.411	187.6	16.67	13.31	29.81	0
6/28/2017 9:00	4.281	200.2	25.44	13.6	29.83	0
6/28/2017 9:15	4.71	202.5	20.45	13.49	29.83	0
6/28/2017 9:30	4.846	182.7	15.01	13.65	29.83	0
6/28/2017 9:45	4.207	155.9	26.88	13.72	29.83	0
6/28/2017 10:00	2.959	193	22.93	13.97	29.84	0
6/28/2017 10:15	4.812	194	20.68	14.06	29.84	0
6/28/2017 10:30	5.191	181.8	21.39	14.33	29.84	0
6/28/2017 10:45	5.969	194.3	14.5	14.45	29.84	0
6/28/2017 11:00	6.003	194.7	19.32	14.5	29.85	0
6/28/2017 11:15	5.901	186.4	19.9	14.73	29.85	0
6/28/2017 11:30	6.052	201.5	20.06	14.66	29.85	0
6/28/2017 11:45	5.465	204.9	13.54	14.83	29.85	0
6/28/2017 12:00	7.142	187.8	8.91	14.78	29.86	0
6/28/2017 12:15	6.209	191.6	10.41	14.92	29.86	0
6/28/2017 12:30	4.608	178.6	14.44	15.03	29.86	0
6/28/2017 12:45	4.606	167.3	19.62	15.23	29.86	0
6/28/2017 13:00	5.39	226.9	24.26	15.18	29.86	0
6/28/2017 13:15	5.919	243.6	12.17	15.1	29.86	0
6/28/2017 13:30	5.523	225	14.51	15.23	29.86	0
6/28/2017 13:45	4.977	224.7	23.3	15.67	29.86	0
6/28/2017 14:00	4.568	225	19.57	15.72	29.87	0
6/28/2017 14:15	2.413	210.8	38.24	15.94	29.87	0
6/28/2017 14:30	2.836	168.9	56.18	16.21	29.87	0
6/28/2017 14:45	4.004	151.1	25.92	16.73	29.87	0
6/28/2017 15:00	3.582	146.9	18.8	16.64	29.87	0
6/28/2017 15:15	3.967	158.1	34.44	16.55	29.87	0
6/28/2017 15:30	4.237	166.7	27.6	16.4	29.87	0
6/28/2017 15:45	3.696	210.5	25.44	16.62	29.87	0
6/28/2017 16:00	1.772	189.8	34.16	16.87	29.87	0
6/28/2017 16:15	3.149	188.1	34.67	17.04	29.87	0
6/28/2017 16:30	3.993	189.5	22.2	17.03	29.87	0
6/28/2017 16:45	4.287	195.4	14.07	16.99	29.87	0
6/28/2017 17:00	2.456	135.4	35.05	17.2	29.88	0
6/28/2017 17:15	3.358	157.3	19.54	17.17	29.88	0
6/28/2017 17:30	3.236	158.3	12.26	17.28	29.88	0
6/28/2017 17:45	3.696	173.5	18.54	17.16	29.88	0
6/28/2017 18:00	3.834	150.9	14.95	17.29	29.87	0
6/28/2017 18:15	3.909	149.9	10.25	17.03	29.87	0
6/28/2017 18:30	2.97	143.1	5.816	17	29.87	0
6/28/2017 18:45	3.013	120.9	17.08	16.85	29.87	0
6/28/2017 19:00	4.6	109.6	5.383	16.58	29.87	0
6/28/2017 19:15	3.448	115.5	5.758	16.49	29.87	0
6/28/2017 19:30	3.238	119.2	4.032	16.37	29.87	0
6/28/2017 19:45	2.98	112.8	2.372	16.14	29.87	0
6/28/2017 20:00	3.24	126.3	6.554	15.94	29.86	0
6/28/2017 20:15	3.418	130.7	3.775	15.81	29.86	0
6/28/2017 20:30	3.045	129.6	2.287	15.66	29.86	0
6/28/2017 20:45	3.082	203.1	34.24	15.62	29.86	0
6/28/2017 21:00	3.591	228	7.567	15.76	29.86	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
6/28/2017 21:15	3.415	262.6	7.839	15.55	29.86	0
6/28/2017 21:30	4.692	270.8	4.621	15.22	29.86	0
6/28/2017 21:45	6.98	269.5	5.215	14.78	29.86	0
6/28/2017 22:00	6.247	270.1	5.095	14.51	29.87	0
6/28/2017 22:15	5.409	271.2	5.44	14.25	29.87	0
6/28/2017 22:30	4.777	272.9	4.514	13.95	29.87	0
6/28/2017 22:45	3.411	262.1	6.457	13.74	29.87	0
6/28/2017 23:00	1.786	250.9	5.781	13.62	29.87	0
6/28/2017 23:15	2.688	244.4	4.765	13.3	29.87	0
6/28/2017 23:30	2.475	246.3	1.689	13.15	29.87	0
6/28/2017 23:45	3.599	220.4	6.892	12.8	29.87	0
6/29/2017 0:00	4.466	219.4	3.07	12.39	29.88	0
6/29/2017 0:15	4.43	221.1	4.718	12.26	29.88	0
6/29/2017 0:30	3.126	202.8	10.67	12.09	29.88	0
6/29/2017 0:45	2.595	193.5	22.55	11.99	29.88	0
6/29/2017 1:00	4.3	244.7	4.554	12.09	29.88	0
6/29/2017 1:15	3.128	253.8	2.201	12.22	29.88	0
6/29/2017 1:30	3.354	242.7	6.032	12.45	29.88	0
6/29/2017 1:45	2.56	217.3	11.11	12.18	29.88	0
6/29/2017 2:00	1.176	206.9	1.797	11.77	29.89	0
6/29/2017 2:15	2.274	223.5	10.06	12.01	29.89	0
6/29/2017 2:30	2.314	235.4	5.526	12.25	29.89	0
6/29/2017 2:45	2.55	223.2	5.397	12.28	29.89	0
6/29/2017 3:00	0.921	232	2.267	12.22	29.91	0
6/29/2017 3:15	1.797	274	18.43	12.24	29.91	0
6/29/2017 3:30	0.09	296.3	0.013	12.16	29.91	0
6/29/2017 3:45	0.353	296.4	0.182	12.02	29.91	0
6/29/2017 4:00	1.891	199.2	45.49	11.98	29.93	0
6/29/2017 4:15	2.356	160.6	12.12	11.82	29.93	0
6/29/2017 4:30	2.117	175.6	2.024	11.89	29.93	0
6/29/2017 4:45	1.118	197.3	33.54	12.06	29.93	0
6/29/2017 5:00	1.923	239.3	23.08	12.19	29.95	0
6/29/2017 5:15	1.35	286.2	8.56	12.23	29.95	0
6/29/2017 5:30	0.271	289.9	0.112	12.23	29.95	0
6/29/2017 5:45	1.727	179.7	45.16	12.23	29.95	0
6/29/2017 6:00	1.706	156.2	5.064	12.26	29.97	0
6/29/2017 6:15	1.777	172.6	14.1	12.41	29.97	0
6/29/2017 6:30	1.754	183.7	16.52	12.58	29.97	0
6/29/2017 6:45	1.738	234.4	27.05	12.7	29.97	0
6/29/2017 7:00	0.928	294.9	8.84	12.92	29.99	0
6/29/2017 7:15	0.117	304.8	0.915	13.24	29.99	0
6/29/2017 7:30	2.299	189.1	30.08	13.25	29.99	0
6/29/2017 7:45	2.418	189	22.92	13.41	29.99	0
6/29/2017 8:00	1.823	211.1	24.6	13.6	30	0
6/29/2017 8:15	2.434	247.9	44.73	13.95	30	0
6/29/2017 8:30	2.048	297.6	18.53	14.32	30	0
6/29/2017 8:45	2.733	318.5	26.08	15.41	30	0
6/29/2017 9:00	3.131	318.3	27.74	16.17	30	0
6/29/2017 9:15	3.264	318.3	18.54	16.76	30	0
6/29/2017 9:30	2.135	342.1	39.7	17.13	30	0
6/29/2017 9:45	3.134	313.4	35.2	17.53	30	0
6/29/2017 10:00	3.831	297.4	24.09	17.92	29.95	0
6/29/2017 10:15	4.264	319.8	35.4	17.99	29.95	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
6/29/2017 10:30	4.43	341.1	68.99	19.19	29.95	0
6/29/2017 10:45	3.957	338.8	45.5	19.49	29.95	0
6/29/2017 11:00	3.582	349.6	35.08	19.45	29.94	0
6/29/2017 11:15	5.548	355.9	25.92	19.77	29.94	0
6/29/2017 11:30	3.546	337	58.7	20.06	29.94	0
6/29/2017 11:45	4.388	328.5	31.49	20.65	29.94	0
6/29/2017 12:00	4.694	337.3	83.3	21.03	29.94	0
6/29/2017 12:15	3.558	5.89	79.76	21.27	29.94	0
6/29/2017 12:30	3.582	327.1	36.77	21.83	29.94	0
6/29/2017 12:45	3.415	348.7	34.9	22.42	29.94	0
6/29/2017 13:00	2.816	13.02	48.72	22.02	29.93	0
6/29/2017 13:15	5.332	312.1	21.47	22.76	29.93	0
6/29/2017 13:30	3.731	285.5	52.75	22.98	29.93	0
6/29/2017 13:45	5.968	278	34.13	23.14	29.93	0
6/29/2017 14:00	6.425	253.8	21.07	23.5	29.89	0
6/29/2017 14:15	6.272	283.9	15.8	23.53	29.89	0
6/29/2017 14:30	4.732	272.2	32.09	23.95	29.89	0
6/29/2017 14:45	6.8	276	25.14	24.34	29.89	0
6/29/2017 15:00	5.521	271.3	27.48	24.27	29.9	0
6/29/2017 15:15	4.396	317.9	28.63	24.96	29.9	0
6/29/2017 15:30	5.524	300.3	36.79	24.98	29.9	0
6/29/2017 15:45	4.878	307	25.39	24.83	29.9	0
6/29/2017 16:00	5.363	278	14.55	24.99	29.89	0
6/29/2017 16:15	5.068	286.7	25.92	25.14	29.89	0
6/29/2017 16:30	6.312	297.7	18.45	25.17	29.89	0
6/29/2017 16:45	6.817	279.4	13.89	24.95	29.89	0
6/29/2017 17:00	5.703	290.1	29.01	25.36	29.88	0
6/29/2017 17:15	6.263	305.8	17.9	25.15	29.88	0
6/29/2017 17:30	6.676	299.1	13.43	25.03	29.88	0
6/29/2017 17:45	6.677	288.3	11.19	24.82	29.88	0
6/29/2017 18:00	5.363	303.3	18.52	24.97	29.87	0
6/29/2017 18:15	5.497	310.8	13.51	24.64	29.87	0
6/29/2017 18:30	6.303	302.6	14.24	24.3	29.87	0
6/29/2017 18:45	6.928	288.9	8.16	23.82	29.87	0
6/29/2017 19:00	7.38	300.1	6.432	23.35	29.87	0
6/29/2017 19:15	6.676	306.7	4.634	22.8	29.87	0
6/29/2017 19:30	6.108	304.6	5.375	22.37	29.87	0
6/29/2017 19:45	5.546	316.9	5.124	21.72	29.87	0
6/29/2017 20:00	4.927	328	7.021	21.18	29.85	0
6/29/2017 20:15	5.294	337.5	14.92	20.71	29.85	0
6/29/2017 20:30	4.617	344.1	16.75	20.37	29.85	0
6/29/2017 20:45	4.057	351.5	16.95	20.41	29.85	0
6/29/2017 21:00	4.654	22.13	6.384	19.78	29.85	0
6/29/2017 21:15	5.077	27.09	5.215	19.44	29.85	0
6/29/2017 21:30	4.201	33.3	5.677	18.94	29.85	0
6/29/2017 21:45	4.171	39.05	10.74	18.59	29.85	0
6/29/2017 22:00	5.289	52.26	5.743	18.26	29.86	0
6/29/2017 22:15	5.134	55.86	6.26	18.2	29.86	0
6/29/2017 22:30	4.407	63.76	8.26	18.24	29.86	0
6/29/2017 22:45	3.537	65.18	10.38	18.17	29.86	0
6/29/2017 23:00	3.19	84.9	9.56	18.08	29.86	0
6/29/2017 23:15	3.751	69.91	17.22	17.49	29.86	0
6/29/2017 23:30	3.779	62.49	12.95	17	29.86	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
6/29/2017 23:45	4.716	62.12	7.305	16.37	29.86	0
6/30/2017 0:00	4.734	55.08	11.77	16.2	29.85	0
6/30/2017 0:15	5.402	24.08	8.64	15.96	29.85	0
6/30/2017 0:30	5.396	32.58	9.25	15.72	29.85	0
6/30/2017 0:45	5.96	37.43	6.361	15.35	29.85	0
6/30/2017 1:00	6.463	33.09	6.914	15.27	29.83	0
6/30/2017 1:15	5.023	27.86	7.693	15.22	29.83	0
6/30/2017 1:30	2.174	22.21	1.01	15.17	29.83	0
6/30/2017 1:45	3.304	41.18	9.51	15.11	29.83	0
6/30/2017 2:00	4.473	43.47	7.544	14.52	29.83	0
6/30/2017 2:15	5.062	36.05	6.878	14.42	29.83	0
6/30/2017 2:30	4.845	29.37	12.26	14.36	29.83	0
6/30/2017 2:45	3.971	32.51	7.258	14.2	29.83	0
6/30/2017 3:00	4.554	34.92	5.862	14.16	29.83	0
6/30/2017 3:15	4.186	38.09	3.009	14.14	29.83	0
6/30/2017 3:30	4.588	36.94	3.507	13.91	29.83	0
6/30/2017 3:45	5.546	41.74	6.501	13.56	29.83	0
6/30/2017 4:00	5.546	43.67	6.899	13.65	29.83	0
6/30/2017 4:15	5.316	44.09	6.561	13.61	29.83	0
6/30/2017 4:30	4.819	37.26	8.25	13.65	29.83	0
6/30/2017 4:45	4.672	39.64	4.588	13.45	29.83	0
6/30/2017 5:00	4.053	48.13	5.765	13.72	29.84	0
6/30/2017 5:15	3.811	36.64	5.91	13.72	29.84	0
6/30/2017 5:30	4.487	24.16	2.356	14.24	29.84	0
6/30/2017 5:45	2.3	24.57	3.264	14.92	29.84	0
6/30/2017 6:00	0.271	23.4	0.876	16.32	29.84	0
6/30/2017 6:15	0.695	53.88	15.69	16.37	29.84	0
6/30/2017 6:30	1.414	229.2	25.36	16.49	29.84	0
6/30/2017 6:45	1.393	210	41.66	17.23	29.84	0
6/30/2017 7:00	2.552	206	11.06	17.38	29.85	0
6/30/2017 7:15	3.044	210.5	14.48	17.53	29.85	0
6/30/2017 7:30	2.782	224.6	18.16	17.86	29.85	0
6/30/2017 7:45	3.347	214.3	30.1	18.18	29.85	0
6/30/2017 8:00	3.384	229.4	17.7	18.51	29.83	0
6/30/2017 8:15	3.186	224.9	16.58	18.77	29.83	0
6/30/2017 8:30	2.774	231	29.39	19.64	29.83	0
6/30/2017 8:45	1.7	273.5	35.01	20.23	29.83	0
6/30/2017 9:00	2.634	273.3	24.01	20.88	29.82	0
6/30/2017 9:15	2.498	290.9	32.25	21.1	29.82	0
6/30/2017 9:30	3.754	286.3	42.42	21.86	29.82	0
6/30/2017 9:45	3.046	323.5	30.16	22.42	29.82	0
6/30/2017 10:00	3.662	358.1	35.67	22.65	29.8	0
6/30/2017 10:15	3.352	30.53	49.22	23.21	29.8	0
6/30/2017 10:30	5.228	295.6	32.4	23.55	29.8	0
6/30/2017 10:45	6.635	289.5	15.7	23.96	29.8	0
6/30/2017 11:00	7.1	283.1	15.05	23.83	29.79	0
6/30/2017 11:15	7.415	276.2	14.32	24.4	29.79	0
6/30/2017 11:30	7.908	266.7	17.29	24.69	29.79	0
6/30/2017 11:45	7.022	280	15.23	25.21	29.79	0
6/30/2017 12:00	8.11	266.5	12.34	25.54	29.78	0
6/30/2017 12:15	8.56	273.9	13.76	25.57	29.78	0
6/30/2017 12:30	8.69	273.5	15.33	26.12	29.78	0
6/30/2017 12:45	8.36	266.4	11.59	26.4	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
6/30/2017 13:00	8.37	277.3	15.82	26.55	29.76	0
6/30/2017 13:15	7.865	270.6	14.34	26.85	29.76	0
6/30/2017 13:30	7.212	271.5	17.56	27.23	29.76	0
6/30/2017 13:45	8.66	276.1	12.26	27.31	29.76	0
6/30/2017 14:00	8.47	270.8	18.92	27.36	29.75	0
6/30/2017 14:15	8.2	270	17.96	27.68	29.75	0
6/30/2017 14:30	7.973	272.5	12.41	27.75	29.75	0
6/30/2017 14:45	7.045	280.9	22.78	28.13	29.75	0
6/30/2017 15:00	4.131	301.2	31.33	28.28	29.75	0
6/30/2017 15:15	5.696	308.3	19.56	28.53	29.75	0
6/30/2017 15:30	5.109	320.7	22.6	28.71	29.75	0
6/30/2017 15:45	6.334	287.8	17.3	28.83	29.75	0
6/30/2017 16:00	5.695	301	25.17	28.83	29.73	0
6/30/2017 16:15	5.528	312.9	23.78	29.23	29.73	0
6/30/2017 16:30	5.782	319.7	13.64	29.31	29.73	0
6/30/2017 16:45	6.94	315.8	12.41	29.21	29.73	0
6/30/2017 17:00	7.956	304.3	16.78	29.04	29.67	0
6/30/2017 17:15	8.08	303.6	12.27	29.07	29.67	0
6/30/2017 17:30	9.02	305.1	7.487	28.76	29.67	0
6/30/2017 17:45	8.88	301.9	8.83	28.74	29.67	0
6/30/2017 18:00	8.88	293.7	7.252	28.04	29.7	0
6/30/2017 18:15	7.852	298.7	7.239	27.63	29.7	0
6/30/2017 18:30	7.188	302	7.866	27.43	29.7	0
6/30/2017 18:45	7.668	303.2	7.384	26.95	29.7	0
6/30/2017 19:00	8.18	298.2	6.578	26.44	29.7	0
6/30/2017 19:15	7.548	292	5.212	25.78	29.7	0
6/30/2017 19:30	7.174	301.3	6.568	25.13	29.7	0
6/30/2017 19:45	7.051	307	3.195	24.56	29.7	0
6/30/2017 20:00	7.045	308.2	4.18	24.14	29.68	0
6/30/2017 20:15	6.063	310.9	13.1	23.7	29.68	0
6/30/2017 20:30	3.293	325.1	13.81	23.49	29.68	0
6/30/2017 20:45	2.678	26.31	10.89	22.69	29.68	0
6/30/2017 21:00	0.334	20.41	3.569	22.62	29.69	0
6/30/2017 21:15	1.715	36.71	16.51	21.57	29.69	0
6/30/2017 21:30	2.631	327.7	57.44	20.45	29.69	0
6/30/2017 21:45	3.708	258.2	11.22	20.45	29.69	0
6/30/2017 22:00	2.692	216.7	46.21	20.47	29.71	0
6/30/2017 22:15	2.962	130.5	35.79	19.73	29.71	0
6/30/2017 22:30	5.24	166.2	17.05	19.05	29.71	0
6/30/2017 22:45	6.873	214.2	5.161	18.39	29.71	0
6/30/2017 23:00	8.49	219.1	5.51	17.59	29.75	0
6/30/2017 23:15	7.416	219	5.291	17.04	29.75	0
6/30/2017 23:30	5.849	227.6	6.93	16.83	29.75	0
6/30/2017 23:45	3.979	234.5	17.21	16.49	29.75	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL AREA 5 TOP DECK MONITORING REPORT

Second Quarter 2017



Department of Natural Resources and Parks
Solid Waste Division

August 2017
Printed on recycled paper

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AREA 5 TOP DECK MONITORING QUARTERLY REPORT

SECOND 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 2nd 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	133.21	353.12*	62,217,147,204	33.81	377,224	11,157	0.0021	0.00006
2017: Precipitation, leachate and refuse in place through 2nd 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 2nd 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 2nd Quarter of 2017, Facility Engineering and Science Unit (FESU) staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the quarter erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities. In the first quarter of 2017, turbid run-off was observed to be 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. Two inspections by PHSKC occurred during the 2nd Quarter of 2017, including one in May, and a second in June. 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 2nd Quarter of 2017 Serpentine Walk was conducted from June 14th to the 24th, 2017. There were no exceedances of regulatory criteria observed during the Serpentine Walk. The results from the 2nd 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 2nd 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 2nd 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. Destroyed by Area 8 excavation stockpile in 08/2017.

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

TABLE 3												
CEDAR HILLS REGIONAL LANDFILL AREA 5 SETTLEMENT for 2nd 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 2nd 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.

2nd 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.

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

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-TD6) 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 than average values versus historical surface water samples for conductivity, pH, temperature, turbidity, alkalinity, COD, iron (total), sulfate, and TOC in the 2nd Quarter of 2017.

The iron exceedance at SW-TD6 likely resulted from erosion control issues related to the stockpiling of soils by KCSWD's contractor for the development of Area 8, and the placement of excavated soils from the new KCSWD Factoria Transfer Station on top of Area 5. This assessment is further supported by analyzing the elevated alkalinity, chloride, conductivity and sulfate results measured at SW-TD1 over historical values. Normally elevated alkalinity (i.e. over 150 mg/L) can indicate a landfill gas contribution to the sample (due to the dissolution of carbon dioxide in water), and elevated chloride (i.e. over 5 mg/L) a contribution of leachate. However, elevated conductivity and sulfate at SW-TD1 implies that the action of placing non-native soils up-gradient from the sampling location is likely impacting stormwater runoff water quality. This location will continue to be monitored for increased alkalinity and chloride concentrations during the 3rd Quarter of 2017.

Other alkalinity and chloride concentrations in the Top Deck stormwater runoff (versus surface water and leachate results) remain generally low, which suggests that landfill gas and leachate does not contribute to increases in other parameters.

TABLE 5													
Area 5 Top Deck - 2Q2017 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	4/17/2017	STD1170417-	420	6.52	10.5	1.41	280	20.4	16.9	0.0333	0.136	65.8	6.66
SW-TD2	5/5/2017	STD2170505-	26	8.2	13.9	14.2	10.1	18 T	0.08 T	0.0763	0.636	1.01	4.62
SW-TD4	4/24/2017	STD4170424-	46	6.94	9.59	0.56	21.2	17 T	0.095 T	0.0282	0.0428	0.1 U	5.5
SW-TD6	4/19/2017	STD6170419-	115	6.75	10	18.1	52.6	26.9	2.6	0.197	1.33	2.65	7.85
Average Value =			152	7.1	11.0	9	91.0	20.6	4.9	0.08	0.5	17.4	6.2
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	6.9	8.3	1.4	12.8	6.9	2.3	0.018	0.03	2.1	3.3
U = UNDETECTED, ANALYTE CONCENTRATION <MDL													
TABLE 7													
Leachate Pond Inflow - 2Q2017 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	4/12/2017	LAPI170412M	2500	7.35	13.6	--	2820	3050	737	--	14	36.5	908 S
LS-API	5/10/2017	LAPI170510M	1100	7.64	17	--	2120	2660	1700	--	13.3	39.5	814 S
LS-API	6/14/2017	LAPI170614M	8500	8.06	22.9	--	6220	4690 S	1560	--	6.21	21.6	1350 S
Average Value =			4033	7.7	17.8	NA	3720	3467	1332	NA	11.2	32.5	1024
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 2nd Quarter of 2017. There was a water quality exceedance with respect to the applicable water quality criteria for total iron at SW-TD6. There were also elevated alkalinity, conductivity, chloride, and sulfate measurements at SW-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 alkalinity, conductivity, chloride, and sulfate at SW-TD6 and total iron at SW-TD1 coincide with general site conditions during the 2nd Quarter, as Area 5 was being used as an approved stockpile location for soils from Area 8 excavation, and the Factoria Transfer Station excavation.

The increased alkalinity result for the stormwater sample at SW-TD1 suggests that the runoff may have been exposed to 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 2nd 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: VDO DATE Feb. 2014
RECOMMENDED: DATE
DESIGNED: DRAWN
PROJECT NO. SURVEY NO. SHEET 1 OF 1

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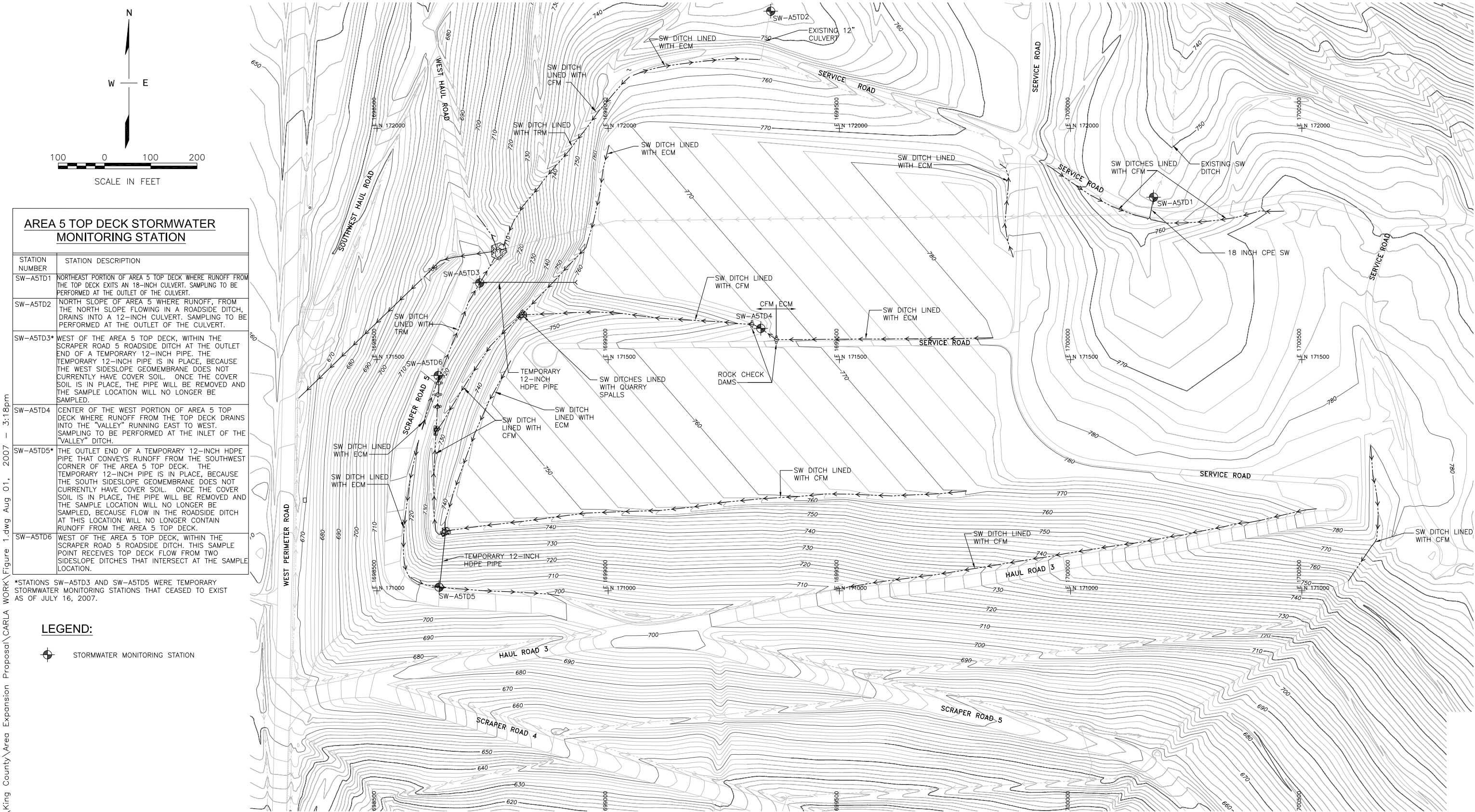


Figure 2
Area 5 Top Deck
Stormwater Monitoring Stations

Appendix A:

Inspection Reports

Landfill Facility Site Inspections

Weather Condition: Cloudy part rain

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	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	X		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		X
			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 	State Reason if "Fair or Poor"	Date Corrective Action Implemented

1			X				Overall, the site appears to be well maintained. Continued issues with turbid surface water flows. There are deep road potholes along the South property line 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. 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.	
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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)

If Y, log changes in Appendix I of SWPPP.

Potential Pollutant Sources Y / N

Site Map Y / N

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR / QUALIFIED PERSONNEL

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

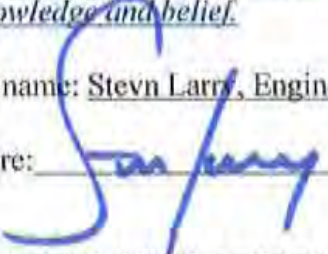
☒ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

☐ *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: 4/25/17

DULY AUTHORIZED REPRESENTATIVE

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

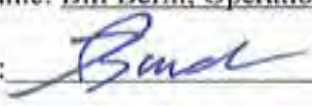
☒ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

☐ *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: 4/25/17

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

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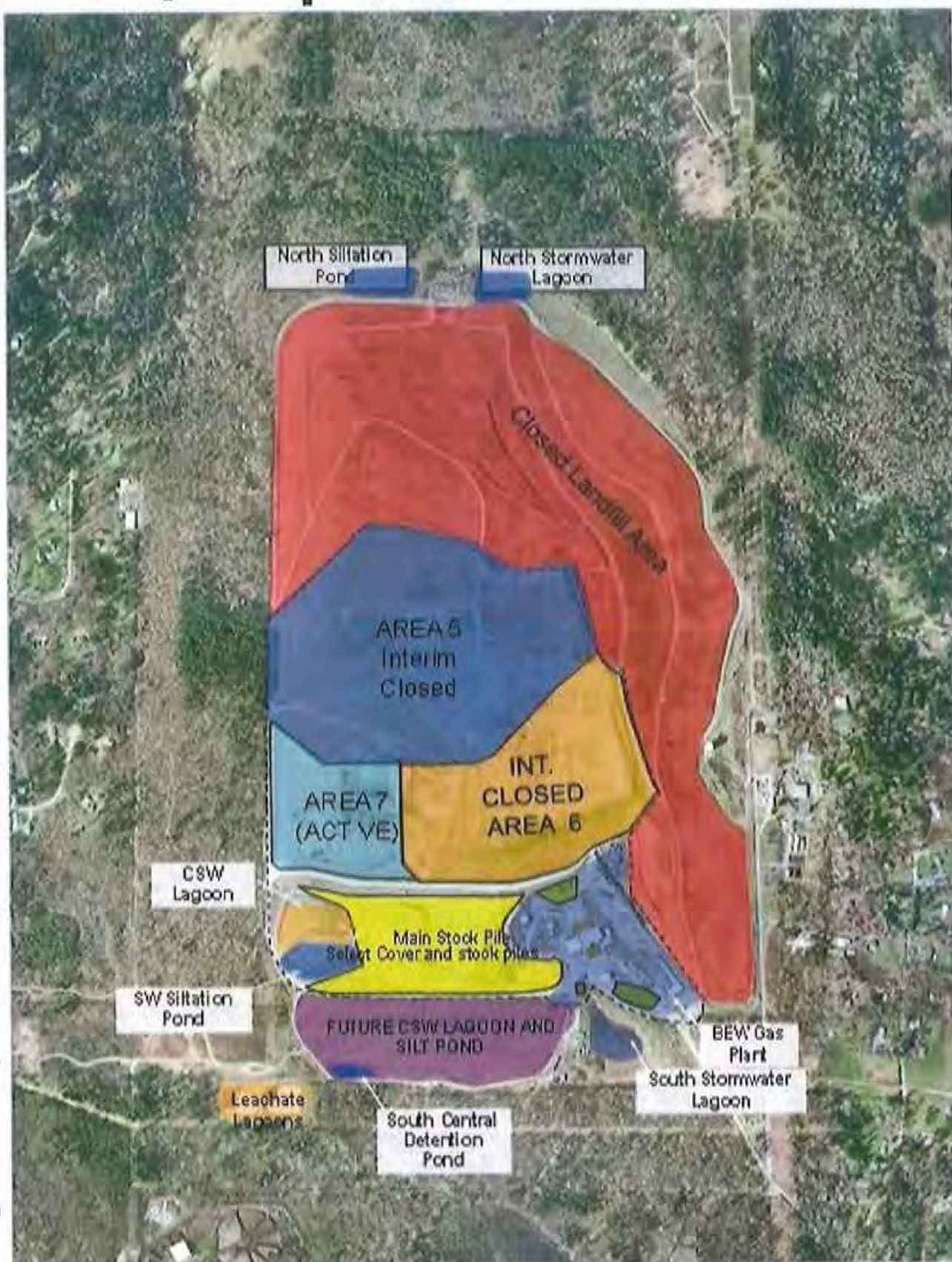
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Landfill Facility Site Inspections

Weather Condition: Cloudy part rain

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								11. Vectors	X		
1. Ponds				6. Generators	X			12. Litter	X		
2. CB / Control Structures	X			7. Extraction Wells	X			13. Dust control	X		
3. Pipes / Culverts	X			8. Valve / Cleanout	X			14. Other	X		
4. Trash Racks	X			9. Groundwater Extraction Wells	X						
5. Ditches	X			E. Roadway System				Cover System / ESC			
6. Runoff Control Berms	X			1. Road Sweeping	X			F. Vegetation	X		
7. Discharge Points				2. Access Roads	X			1. Refuse	X		
8. General	X			3. Road Erosion				2. Cover Erosion			
				4. Road Pavement	X			3. Silt Fences/Filter Fabric	X		
G. Operations								4. Cover System			
1. Records Obtain / Review				5. Lane Striping	X						

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

I			X			Overall, the site appears to be well maintained. Continued issues with turbid surface water flows and poor water quality flow into the sand filter. The road rills around the SW stormwater pond #3, aka "cattail pond", need filling with rock. Site wide, the surface water flows to the North SWD compliance points, appear to be clear. The flows directed into the North Stormwater lagoon are clear. The channel has good water quality biological indicators, (caddis fly larva) of cool, clear and clean water quality. The flows into the south wetlands from the Rapid Sand Filter are turbid. Road surfaces around the entire landfill are free of trash, mud and rock. The fuel island rain flap have been modified and re-installed. The modification appear to be holding. There is an erosion control issue developing around the North Stormwater control vault. Contractors will need to fill in the developing ruts with rock. There is a downed Speed Limit sign next to the Sand Filter Pond.	
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5 = 1								
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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.
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 - 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:
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Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (circle Y or N)

If Y, log changes in Appendix I of SWPPP.

Potential Pollutant Sources Y / N

Site Map Y / N

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR/ QUALIFIED PERSONNEL

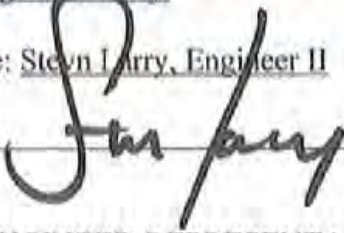
Based on professional judgment, which of the following statements is true: (select one)

- ☒ 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: Steven Larry, Engineer II

Signature: 

Date: 5/3/17

DULY AUTHORIZED REPRESENTATIVE

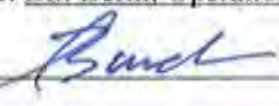
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Printed name: Bill Berni, Operations Manager

Signature: 

Date: 5/3/17

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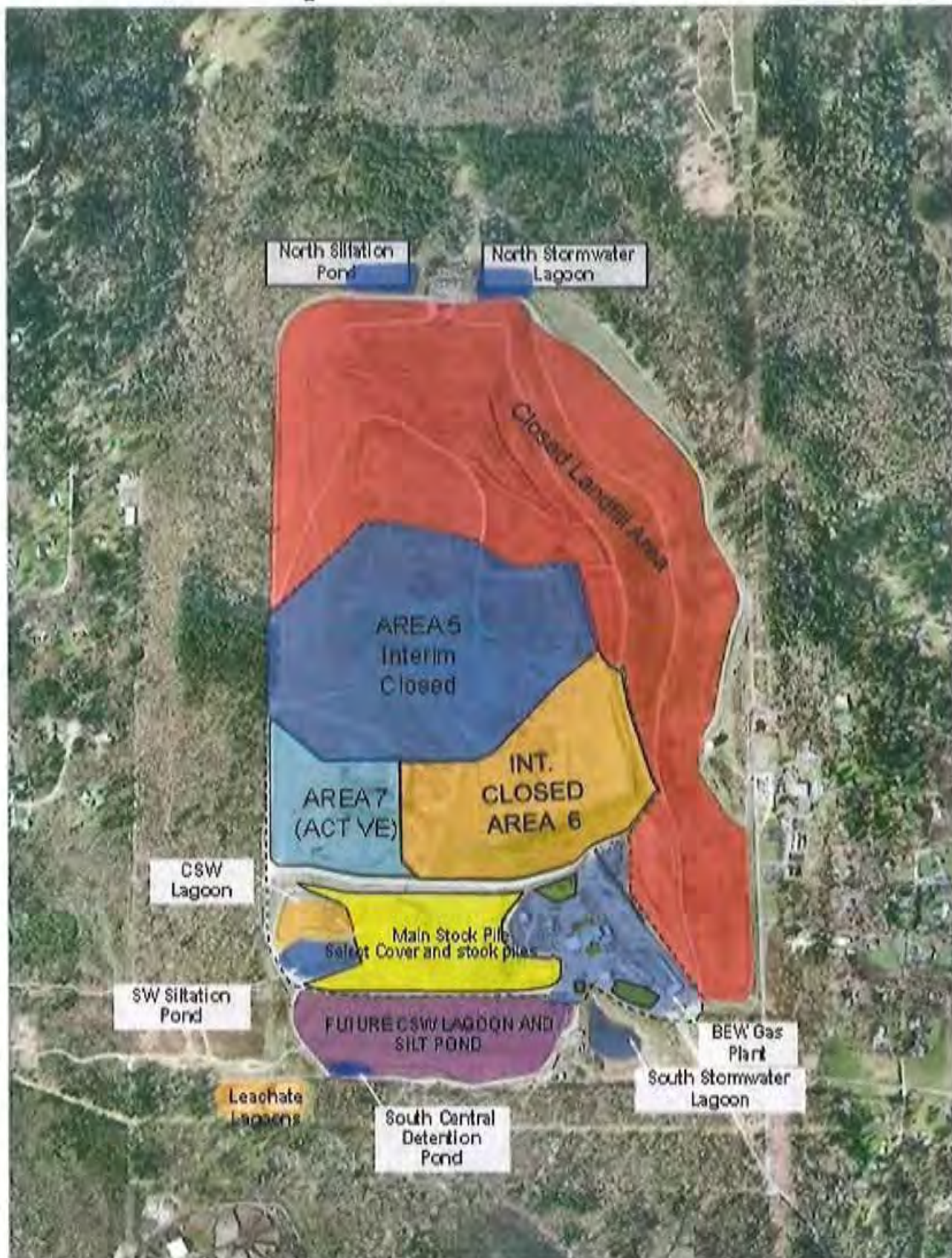
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Landfill Facility Site Inspections

ACTION CODES

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

I			X					
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5-								
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P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 16\2 June

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

SWPPP Modifications Necessary? (circle Y or N)

If Y, log changes in Appendix I of SWPPP.

Potential Pollutant Sources Y N

Site Map Y N

INSPECTION REPORT SIGNATURE PAGE

INSPECTOR / QUALIFIED PERSONNEL

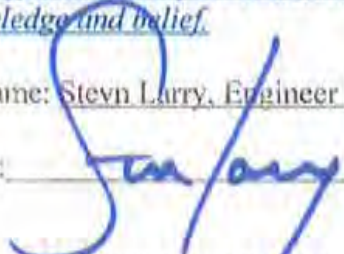
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☐ The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.

* 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: JULY 5, 2017

DULY AUTHORIZED REPRESENTATIVE

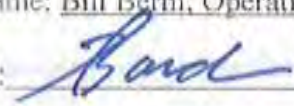
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Printed name: Bill Berni, Operations Manager

Signature:  Date: 7/5/17

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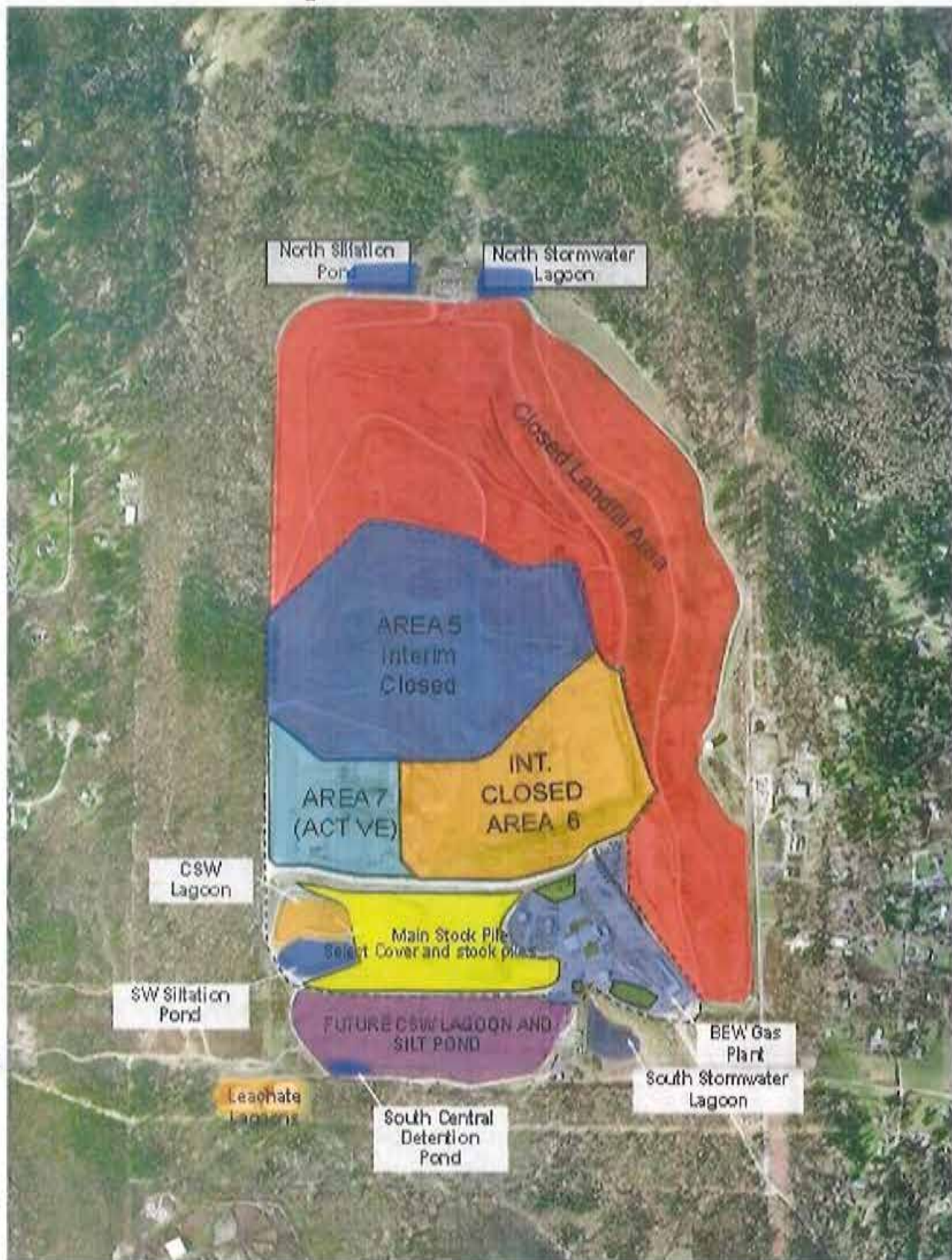
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SOLID WASTE INSPECTION REPORT

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: Thursday, May 25, 2017 Time In: 10:45 am Time Out: 12:55 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS:

1. Strong landfill gas (LFG) odors were detected behind and south of the tipping station. An open ditch with LFG collection pipeline was noticed behind active tipping phase.
2. Keep storm water drains free of garbage debris at all times.
3. In order to prevent landfill fires physically close the LFG wells with higher than 5% oxygen content.
4. Silt fence in the new contaminated storm water pond (CSW) pond need repair or replacement.
5. There was a large amount of sediment accumulated at the outlet of the CSW pond, which may block the outlet of the CSW pond. Therefore, sediments need to be removed

COMMENTS:

1. Weekly inspection records have been kept up-to-date.
2. Water level in the sand filter has been dropped to acceptable level and sandfilter was not overflowing.
3. There was very little water in the leak detection well; this indicates that the primary and secondary liners are not leaking.
4. Water level in the storm water pond has been dropped and plants in the pond have been exposed.
Looks good!
5. Safety training is provided to all of the workers and daily safety meetings are held to discuss existing and emerging safety risks.
6. Workers were wearing required PPE.
7. All of the monitoring wells are marked with identification numbers and secured with padlocks.
8. A lot of eagles and crows were perching on the active face of the landfill and on the storm water pond.
9. Aeration pumps were operating in the leachate ponds.
- 10 Perimeter fence was found to be in good repair.



Darshan Dhillon
HEI III

Scott Barden
Assitant 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**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: 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: Wednesday, June 14, 2017 Time In: 11:10 am Time Out: 12:55 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS:

1. Silt fence in Contaminated Storm Water (CSW) pond is still down and needs to be replaced.
2. Large amount of sediments have been accumulated at the outlet of CSW pond which needs to be removed.
3. Clean and maintain storm water drain located on the west slope of area 7.

COMMENTS:

1. Workers were wearing required PPE
2. Safety training is provided to workers on a regular basis.
3. Strong compost smell was detected (may be coming from Cedar Grove Composting site).
4. Aerations pumps were working in the leachate ponds.
5. New contractor started excavating area 8.
6. No water was found in the leak detection well.
7. CSW pond has been drained.
8. No pillowing war detected in the CSW pond.
9. Daily and weekly inspection records have been kept up-to-date.



Darshan Dhillon
HEI III

Scott Barden
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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**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

Cedar Hills Area 5 Maintenance

for the period 04/01/2017 to 06/30/2017

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	0000017754	CLOSED	Monthly Gas System PM	04/12/2017	N
	CHAREA5	0000017754	CLOSED	Monthly Stormwater PM	04/12/2017	N
	CHAREA5	0000017754	CLOSED	Monthly Cover System PM	04/12/2017	N
	CHAREA5	0000017891	CLOSED	Monthly Gas System PM	05/12/2017	N
	CHAREA5	0000017891	CLOSED	Monthly Stormwater PM	05/12/2017	N
	CHAREA5	0000017891	CLOSED	Monthly Cover System PM	05/12/2017	N
	CHAREA5	0000018023	CLOSED	Monthly Gas System PM	06/26/2017	N
	CHAREA5	0000018023	CLOSED	Monthly Stormwater PM	06/26/2017	N
	CHAREA5	0000018023	CLOSED	Monthly Cover System PM	06/26/2017	N
	CHAREA5E	0000017687	CLOSED	Monthly Header PM	04/20/2017	N
	CHAREA5E	0000017824	CLOSED	Monthly Header PM	05/11/2017	N
	CHAREA5E	0000017958	CLOSED	Monthly Header PM	06/13/2017	N
	CHAREA5W	0000017688	CLOSED	Monthly Header PM	04/12/2017	N
	CHAREA5W	0000017825	CLOSED	Monthly Header PM	05/11/2017	N
	CHAREA5W	0000017957	CLOSED	Monthly Header PM	06/13/2017	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 04/01/2017 to 06/30/2017

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	0000035557	CLOSED	PMM	04/06/2017	Y
Cedar Hills	0000035934	CLOSED	PMM	05/02/2017	N
Cedar Hills	0000036493	CLOSED	PMM	06/29/2017	Y

Control Structures

Cedar Hills	0000035559	CLOSED	PMS	04/06/2017	N
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Trash Racks

Cedar Hills	0000035658	CLOSED	PMW	04/06/2017	N
Cedar Hills	0000035754	CLOSED	PMW	04/12/2017	N
Cedar Hills	0000035821	CLOSED	PMW	04/20/2017	N
Cedar Hills	0000035869	CLOSED	PMW	04/25/2017	Y
Cedar Hills	0000035937	CLOSED	PMW	05/02/2017	N
Cedar Hills	0000036021	CLOSED	PMW	05/09/2017	Y
Cedar Hills	0000036078	CLOSED	PMW	05/16/2017	Y
Cedar Hills	0000036132	CLOSED	PMW	05/22/2017	Y
Cedar Hills	0000036191	CLOSED	PMW	05/30/2017	Y
Cedar Hills	0000036294	CLOSED	PMW	06/07/2017	Y
Cedar Hills	0000036381	CLOSED	PMW	06/12/2017	Y
Cedar Hills	0000036416	CLOSED	PMW	06/19/2017	Y
Cedar Hills	0000036471	CLOSED	PMW	06/29/2017	N

Ditches

Cedar Hills	0000035557	CLOSED	PMM	04/06/2017	Y
Cedar Hills	0000035558	CLOSED	PMQ	04/06/2017	N
Cedar Hills	0000035658	CLOSED	PMW	04/06/2017	N
Cedar Hills	0000035754	CLOSED	PMW	04/12/2017	N
Cedar Hills	0000035821	CLOSED	PMW	04/20/2017	N
Cedar Hills	0000035869	CLOSED	PMW	04/25/2017	Y
Cedar Hills	0000035934	CLOSED	PMM	05/02/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000035937	CLOSED	PMW	05/02/2017	N
	Cedar Hills	0000036021	CLOSED	PMW	05/09/2017	Y
	Cedar Hills	0000036078	CLOSED	PMW	05/16/2017	Y
	Cedar Hills	0000036132	CLOSED	PMW	05/22/2017	Y
	Cedar Hills	0000036191	CLOSED	PMW	05/30/2017	Y
	Cedar Hills	0000036294	CLOSED	PMW	06/07/2017	Y
	Cedar Hills	0000036381	CLOSED	PMW	06/12/2017	Y
	Cedar Hills	0000036416	CLOSED	PMW	06/19/2017	Y
	Cedar Hills	0000036471	CLOSED	PMW	06/29/2017	N
	Cedar Hills	0000036493	CLOSED	PMM	06/29/2017	Y

Pipes/Culverts

Cedar Hills	0000035558	CLOSED	PMQ	04/06/2017	N
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Ponds/Lagoons

Cedar Hills	0000035558	CLOSED	PMQ	04/06/2017	N
Cedar Hills	0000035559	CLOSED	PMS	04/06/2017	N
Cedar Hills	0000035658	CLOSED	PMW	04/06/2017	N
Cedar Hills	0000035754	CLOSED	PMW	04/12/2017	N
Cedar Hills	0000035821	CLOSED	PMW	04/20/2017	N
Cedar Hills	0000035869	CLOSED	PMW	04/25/2017	Y
Cedar Hills	0000035937	CLOSED	PMW	05/02/2017	N
Cedar Hills	0000036021	CLOSED	PMW	05/09/2017	Y
Cedar Hills	0000036078	CLOSED	PMW	05/16/2017	Y
Cedar Hills	0000036132	CLOSED	PMW	05/22/2017	Y
Cedar Hills	0000036191	CLOSED	PMW	05/30/2017	Y
Cedar Hills	0000036294	CLOSED	PMW	06/07/2017	Y
Cedar Hills	0000036381	CLOSED	PMW	06/12/2017	Y
Cedar Hills	0000036416	CLOSED	PMW	06/19/2017	Y
Cedar Hills	0000036471	CLOSED	PMW	06/29/2017	N

General

Cedar Hills	0000035558	CLOSED	PMQ	04/06/2017	N
Cedar Hills	0000035658	CLOSED	PMW	04/06/2017	N
Cedar Hills	0000035754	CLOSED	PMW	04/12/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000035821	CLOSED	PMW	04/20/2017	N
	Cedar Hills	0000035869	CLOSED	PMW	04/25/2017	Y
	Cedar Hills	0000035937	CLOSED	PMW	05/02/2017	N
	Cedar Hills	0000036021	CLOSED	PMW	05/09/2017	Y
	Cedar Hills	0000036078	CLOSED	PMW	05/16/2017	Y
	Cedar Hills	0000036132	CLOSED	PMW	05/22/2017	Y
	Cedar Hills	0000036191	CLOSED	PMW	05/30/2017	Y
	Cedar Hills	0000036294	CLOSED	PMW	06/07/2017	Y
	Cedar Hills	0000036381	CLOSED	PMW	06/12/2017	Y
	Cedar Hills	0000036416	CLOSED	PMW	06/19/2017	Y
	Cedar Hills	0000036471	CLOSED	PMW	06/29/2017	N

Leachate System

Cedar Hills	0000035558	CLOSED	PMQ	04/06/2017	N
CHPS1	0000035687	CLOSED	PMW	04/04/2017	N
CHPS1	0000035734	CLOSED	PMW	04/11/2017	N
CHPS1	0000035800	CLOSED	PMW	04/18/2017	N
CHPS1	0000035856	CLOSED	PMW	04/25/2017	N
CHPS1	0000035948	CLOSED	PMW	05/01/2017	N
CHPS1	0000036006	CLOSED	PMW	05/07/2017	N
CHPS1	0000036056	CLOSED	PMW	05/14/2017	Y
CHPS1	0000036100	CLOSED	PMW	05/22/2017	Y
CHPS1	0000036180	CLOSED	PMW	05/29/2017	Y
CHPS1	0000036266	CLOSED	PMW	06/05/2017	Y
CHPS1	0000036348	CLOSED	PMW	06/12/2017	N
CHPS1	0000036406	CLOSED	PMW	06/19/2017	N
CHPS1	0000036457	CLOSED	PMW	06/26/2017	Y
CHPS2	0000035688	CLOSED	PMW	04/04/2017	N
CHPS2	0000035733	CLOSED	PMW	04/11/2017	N
CHPS2	0000035799	CLOSED	PMW	04/18/2017	N
CHPS2	0000035857	CLOSED	PMW	04/25/2017	N
CHPS2	0000035949	CLOSED	PMW	05/01/2017	N
CHPS2	0000036009	CLOSED	PMW	05/07/2017	N
CHPS2	0000036055	CLOSED	PMW	05/14/2017	N
CHPS2	0000036102	CLOSED	PMW	05/22/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS2	0000036181	CLOSED	PMW	05/29/2017	N
	CHPS2	0000036263	CLOSED	PMW	06/05/2017	N
	CHPS2	0000036349	CLOSED	PMW	06/12/2017	N
	CHPS2	0000036407	CLOSED	PMW	06/19/2017	N
	CHPS2	0000036454	CLOSED	PMW	06/26/2017	N
	CHPS3	0000035689	CLOSED	PMW	04/04/2017	N
	CHPS3	0000035732	CLOSED	PMW	04/11/2017	N
	CHPS3	0000035798	CLOSED	PMW	04/18/2017	N
	CHPS3	0000035950	CLOSED	PMW	05/01/2017	N
	CHPS3	0000036008	CLOSED	PMW	05/07/2017	N
	CHPS3	0000036054	CLOSED	PMW	05/14/2017	N
	CHPS3	0000036104	CLOSED	PMW	05/22/2017	N
	CHPS3	0000036182	CLOSED	PMW	06/20/2017	N
	CHPS3	0000036455	CLOSED	PMW	06/26/2017	Y
	CHPS4	0000035690	CLOSED	PMW	04/04/2017	N
	CHPS4	0000035731	CLOSED	PMW	04/11/2017	Y
	CHPS4	0000035797	CLOSED	PMW	04/18/2017	N
	CHPS4	0000035858	CLOSED	PMW	04/25/2017	Y
	CHPS4	0000035951	CLOSED	PMW	05/01/2017	N
	CHPS4	0000036007	CLOSED	PMW	05/07/2017	Y
	CHPS4	0000036053	CLOSED	PMW	05/14/2017	Y
	CHPS4	0000036105	CLOSED	PMW	05/22/2017	Y
	CHPS4	0000036183	CLOSED	PMW	05/29/2017	N
	CHPS4	0000036264	CLOSED	PMW	06/05/2017	N
	CHPS4	0000036350	CLOSED	PMW	06/12/2017	Y
	CHPS4	0000036405	CLOSED	PMW	06/19/2017	N
	CHPS4	0000036458	CLOSED	PMW	06/26/2017	Y
	LEPS	0000035552	CLOSED	PMM	04/04/2017	Y
	LEPS	0000035552	CLOSED	PMM	04/04/2017	Y
	LEPS	0000035684	CLOSED	PMW	04/04/2017	Y
	LEPS	0000035738	CLOSED	PMW	04/11/2017	N
	LEPS	0000035804	CLOSED	PMW	04/18/2017	N
	LEPS	0000035852	CLOSED	PMW	04/25/2017	N
	LEPS	0000035913	CLOSED	PMM	05/01/2017	Y
	LEPS	0000035944	CLOSED	PMW	05/01/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	LEPS	0000036004	CLOSED	PMW	05/07/2017	Y
	LEPS	0000036049	CLOSED	PMW	05/14/2017	N
	LEPS	0000036108	CLOSED	PMW	05/22/2017	N
	LEPS	0000036176	CLOSED	PMW	05/29/2017	N
	LEPS	0000036206	CLOSED	PMM	06/01/2017	Y
	LEPS	0000036206	CLOSED	PMM	06/01/2017	Y
	LEPS	0000036261	CLOSED	PMW	06/05/2017	N
	LEPS	0000036344	CLOSED	PMW	06/12/2017	N
	LEPS	0000036403	CLOSED	PMW	06/19/2017	N
	LEPS	0000036461	CLOSED	PMW	06/26/2017	N
	LEPS	0000036462	CLOSED	PMW	06/26/2017	Y
	LEPS	0000036489	CLOSED	PMM	06/29/2017	Y
	LEPS	0000036489	CLOSED	PMM	06/29/2017	Y

Landfill Cover

CHAPONDS	0000017752	CLOSED	PMV	04/12/2017	N
CHAPONDS	0000017889	CLOSED	PMV	05/12/2017	N
CHAPONDS	0000018021	CLOSED	PMV	06/26/2017	N
CHAREA4	0000017753	CLOSED	PMV	04/12/2017	N
CHAREA4	0000017890	CLOSED	PMV	05/12/2017	N
CHAREA4	0000018022	CLOSED	PMV	06/26/2017	N
CHAREA5	0000017754	CLOSED	PMV	04/12/2017	N
CHAREA5	0000017891	CLOSED	PMV	05/12/2017	N
CHAREA5	0000018023	CLOSED	PMV	06/26/2017	N
CHAREA6	0000017755	CLOSED	PMV	04/12/2017	N
CHAREA6	0000017892	CLOSED	PMV	05/12/2017	N
CHAREA6	0000018024	CLOSED	PMV	06/26/2017	N
CHAREAS23	0000017757	CLOSED	PMV	04/12/2017	N
CHAREAS23	0000017894	CLOSED	PMV	05/12/2017	N
CHAREAS23	0000018026	CLOSED	PMV	06/26/2017	N
CHCENTRALPIT	0000017758	CLOSED	PMV	04/12/2017	N
CHCENTRALPIT	0000017895	CLOSED	PMV	05/12/2017	N
CHCENTRALPIT	0000018027	CLOSED	PMV	06/26/2017	N
CHEMH	0000017759	CLOSED	PMV	04/12/2017	N
CHEMH	0000017896	CLOSED	PMV	05/12/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHEMH	0000018028	CLOSED	PMV	06/26/2017	N
	CHNFLARESTN	0000017763	CLOSED	PMV	04/12/2017	N
	CHNFLARESTN	0000017900	CLOSED	PMV	05/12/2017	N
	CHNFLARESTN	0000018032	CLOSED	PMV	06/26/2017	N
	CHSEPA	0000017760	CLOSED	PMV	04/12/2017	N
	CHSEPA	0000017897	CLOSED	PMV	05/12/2017	N
	CHSEPA	0000018029	CLOSED	PMV	06/26/2017	N
	CHSSWA	0000017761	CLOSED	PMV	04/12/2017	N
	CHSSWA	0000017898	CLOSED	PMV	05/12/2017	N
	CHSSWA	0000018030	CLOSED	PMV	06/26/2017	N
	CHSTOCKPILE	0000017751	CLOSED	PMV	04/12/2017	N
	CHSTOCKPILE	0000017888	CLOSED	PMV	05/12/2017	N
	CHSTOCKPILE	0000018020	CLOSED	PMV	06/26/2017	N
	CHSWMH	0000017762	CLOSED	PMV	04/12/2017	N
	CHSWMH	0000017899	CLOSED	PMV	05/12/2017	N
	CHSWMH	0000018031	CLOSED	PMV	06/26/2017	N

Landfill Gas

CHAREA5E	0000017682	CLOSED	PMW	04/14/2017	N
CHAREA5E	0000017731	CLOSED	PMW	04/20/2017	N
CHAREA5E	0000017819	CLOSED	PMW	05/10/2017	N
CHAREA5E	0000017868	CLOSED	PMW	05/17/2017	N
CHAREA5E	0000017914	CLOSED	PMW	06/04/2017	N
CHAREA5E	0000017972	CLOSED	PMW	06/18/2017	N
CHAREA5W	0000017683	CLOSED	PMW	04/14/2017	N
CHAREA5W	0000017732	CLOSED	PMW	04/20/2017	N
CHAREA5W	0000017820	CLOSED	PMW	05/10/2017	N
CHAREA5W	0000017869	CLOSED	PMW	05/17/2017	N
CHAREA5W	0000017915	CLOSED	PMW	06/05/2017	N
CHAREA5W	0000017971	CLOSED	PMW	06/19/2017	N
CHAREA6	0000017684	CLOSED	PMW	04/13/2017	N
CHAREA6	0000017733	CLOSED	PMW	04/25/2017	N
CHAREA6	0000017821	CLOSED	PMW	05/04/2017	N
CHAREA6	0000017870	CLOSED	PMW	05/22/2017	N
CHAREA6	0000017954	CLOSED	PMW	06/07/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA6	0000018002	CLOSED	PMW	06/22/2017	N
	CHAREAS23	0000017635	CLOSED	PMW	04/11/2017	N
	CHAREAS23	0000017702	CLOSED	PMW	04/26/2017	N
	CHAREAS23	0000017772	CLOSED	PMW	05/03/2017	N
	CHAREAS23	0000017838	CLOSED	PMW	05/31/2017	N
	CHAREAS23	0000017916	CLOSED	PMW	06/07/2017	N
	CHAREAS23	0000017977	CLOSED	PMW	06/08/2017	N
	CHCMH	0000017659	CLOSED	PMW	04/18/2017	N
	CHCMH	0000017714	CLOSED	PMW	04/11/2017	N
	CHCMH	0000017795	CLOSED	PMW	05/08/2017	N
	CHCMH	0000017851	CLOSED	PMW	05/19/2017	N
	CHCMH	0000017904	CLOSED	PMW	06/08/2017	N
	CHCMH	0000017904	CLOSED	PMW	06/09/2017	N
	CHCMH	0000017904	CLOSED	PMW	06/10/2017	N
	CHCMH	0000017973	CLOSED	PMW	06/21/2017	N
	CHCMH	0000017973	CLOSED	PMW	06/23/2017	N
	CHCMH	0000017973	CLOSED	PMW	06/30/2017	N
	CHEMH	0000017647	CLOSED	PMW	04/06/2017	N
	CHEMH	0000017706	CLOSED	PMW	04/19/2017	N
	CHEMH	0000017783	CLOSED	PMW	05/17/2017	N
	CHEMH	0000017843	CLOSED	PMW	05/17/2017	N
	CHEMH	0000017913	CLOSED	PMW	06/20/2017	N
	CHEMH	0000017970	CLOSED	PMW	06/20/2017	N
	CHSEPA	0000017648	CLOSED	PMW	04/06/2017	N
	CHSEPA	0000017707	CLOSED	PMW	04/19/2017	N
	CHSEPA	0000017784	CLOSED	PMW	05/01/2017	N
	CHSEPA	0000017844	CLOSED	PMW	05/16/2017	N
	CHSEPA	0000017921	CLOSED	PMW	06/20/2017	N
	CHSEPA	0000017979	CLOSED	PMW	06/20/2017	N

Landfill Roads

CHACTIVEAREA	0000017742	CLOSED	PMR	04/12/2017	N
CHACTIVEAREA	0000017879	CLOSED	PMR	05/12/2017	N
CHACTIVEAREA	0000018011	CLOSED	PMR	06/26/2017	N
CHMAINGATE	0000017743	CLOSED	PMR	04/12/2017	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHMAINGATE	0000017880	CLOSED	PMR	05/12/2017	N
	CHMAINGATE	0000018012	CLOSED	PMR	06/26/2017	N
	CHPSR	0000017744	CLOSED	PMR	04/12/2017	N
	CHPSR	0000017881	CLOSED	PMR	05/12/2017	N
	CHPSR	0000018013	CLOSED	PMR	06/26/2017	N
	CHSTOCKPILE	0000017751	CLOSED	PMR	04/12/2017	N
	CHSTOCKPILE	0000017888	CLOSED	PMR	05/12/2017	N
	CHSTOCKPILE	0000018020	CLOSED	PMR	06/26/2017	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

A hand-drawn graph on lined paper. The graph consists of a series of horizontal and vertical grid lines. A straight line is drawn starting from the bottom-left quadrant and extending upwards to the right, crossing the horizontal axis. The text "NO EXCESSANCE" is written diagonally across the line, following its slope.

A graph on a grid with 10 horizontal and 5 vertical lines. A smooth, downward-sloping curve is drawn, starting near the top-left corner and ending near the bottom-right corner. The curve passes through the intersection of the third vertical line from the left and the fifth horizontal line from the top.

A graph on a grid showing a decreasing curve. The curve starts at the top left and ends at the bottom right, passing through the center of the grid.

The graph illustrates the relationship between the rate of change of a function and the function itself. The horizontal axis represents the 'Rate of change of the function', and the vertical axis represents 'The function'. The curve starts at a high value on the vertical axis and decreases as it moves to the right, approaching the horizontal axis asymptotically.

A graph on a grid showing a decreasing, concave-up curve. The curve starts at the top left and ends at the bottom right, passing through the center of the grid.

[illegible]

[illegible]

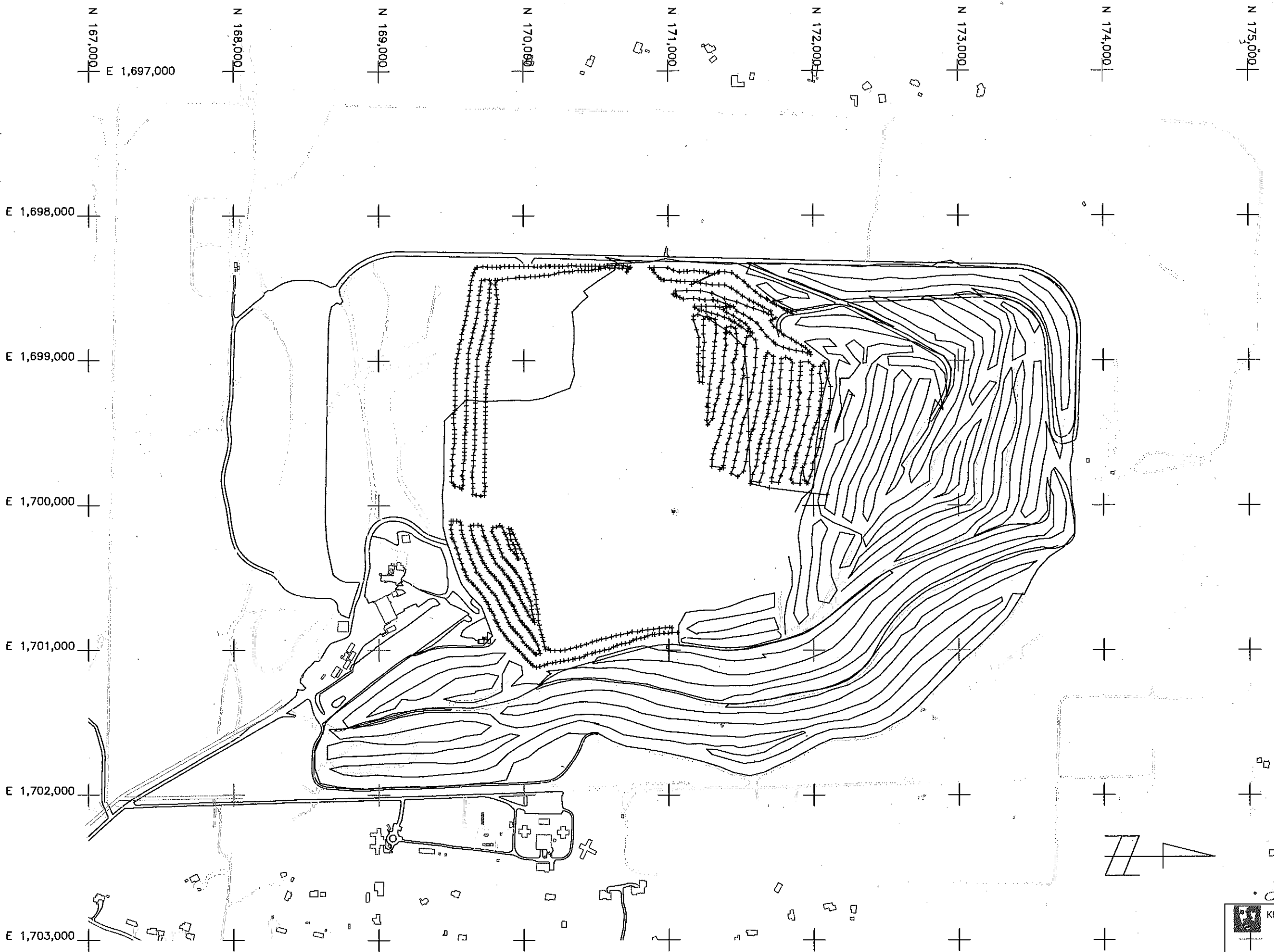
A graph of a linear function on a coordinate plane. The x-axis is labeled 'x' and the y-axis is labeled 'y'. The line passes through the points (0, 3) and (3, 0).

A coordinate plane with a grid. The x-axis and y-axis are labeled from -4 to 4. A line is graphed passing through the points (0, 3) and (3, 0). The line has a negative slope of -1 and a y-intercept of 3.

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

JUNE 2017

Scale 1"=800'



KING COUNTY DEPARTMENT OF NATURAL RESOURCES
 AND PARKS
 Christie True, Director
 SOLID WASTE DIVISION

CEDAR HILLS QUARTERLY
 GAS EMISSIONS MONITORING

APPROVED _____ DATE _____
 RECOMMENDED _____ DATE 06-30-17
 DESIGNED PJM DRAWN PJM
 PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

DATE	REVISION	BY

KING COUNTY SOLID WASTE
 201 S JACKSON ST., SUITE 701
 SEATTLE, WA 98104-2685

KING COUNTY SOLID WASTE
 201 S JACKSON ST., SUITE 701
 SEATTLE, WA 98104-2685

CEDAR HILLS REGIONAL LANDFILL
 SCALE: 1" = 800'
 CONTOUR INTERVAL: 5 FT.
 DATE OF PHOTOGRAPH: 01-17-00

PHOTOGRAPHED BY:
 S. D. L. LLC
 10000 1st Ave. S.
 Burien, WA 98148
 (206) 834-8777

PROJECT NO. 06-10
 SHEET 1

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#: 0000017902

Date In: 06/03/2017 18:40

Date Promised: 06/04/2017 18:40

Date Out: 00:00

WO Status: A Last WO#: 0000017901

WO Priority: Last WO Date: 05/26/2017

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
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PM SERVICE

Type	Cycle	Next Due	Description
I	A - SET AN ANNUAL DATE	07/15/2017	Annual Inspection
Q	0 - MONTHS	06/30/2017	Quarterly Inspection
S	0 - MONTHS	07/15/2017	Scheduled Inspection
X	0 - MONTHS	05/10/2017	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	710	0.00000	
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	762	0.00000	
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	763	0.00000	

NOTES

Work Order Task List

Repair Code: PMQ 85

Equipment: CEDAR HILLS

Work Order: 0000017902

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

6-14-17 3.5 hours BL

6-19-17 7 hours

6-20-17 10 hours

6-21-17 10 hours

6-22-17 7 hours

6-27-17 10 hours

6-29-17 5 hours

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#: 0000017754

Date In: 04/10/2017 10:49

Date Promised: 04/11/2017 10:49

Date Out: 00:00

WO Status: A Last WO#: 0000017618

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 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	04/10/2017	Gas System
T	0 - MONTHS	04/10/2017	Stormwater
V	0 - MONTHS	04/10/2017	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	750 RB	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	750 RB	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	750 RB	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: 4/12/17

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#: 0000017891

Date In: 05/07/2017 10:36

Date Promised: 05/08/2017 10:36

Date Out: 00:00

WO Status: A Last WO#: 0000017754

WO Priority: Last WO Date: 04/10/2017

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: 2D: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	04/10/2017	Gas System
T	0 - MONTHS	04/10/2017	Stormwater
V	0 - MONTHS	04/10/2017	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: 5/12/17

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#: 0000018023

Date In: 06/06/2017 12:02

Date Promised: 06/07/2017 12:02

Date Out: 00:00

WO Status: A Last WO#: 0000017891

WO Priority: Last WO Date: 05/07/2017

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	05/10/2017	Gas System
T	0 - MONTHS	05/10/2017	Stormwater
V	0 - MONTHS	05/10/2017	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	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: 6-26-17

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#: 0000017755

Date In: 04/10/2017 10:50

Date Promised: 04/11/2017 10:50

Date Out: 00:00

WO Status: A Last WO#: 0000017733

WO Priority: Last WO Date: 04/10/2017

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	04/10/2017	Gas System
S	0 - MONTHS	03/28/2017	Scheduled Inspection
T	0 - MONTHS	04/10/2017	Stormwater
V	0 - MONTHS	04/10/2017	Cover System
W	W - WEEKS	03/17/2017	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PHG BS	PM Service PM Gas System Billable Scheduled, Target	0	750 RB	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	750 RB	0.00000	Gas
PHV BS	PM Service PM Cover System Billable Scheduled, Target	0	750 RB	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: 4/12/17

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: UO Engine:
 Model: UD
 Class: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017892

Date In: 05/07/2017 10:37

Date Promised: 05/08/2017 10:37

Date Out: 00:00

WO Status: A Last WO#: 0000017870

WO Priority: Last WO Date: 05/07/2017

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	04/10/2017	Gas System
S	0 - MONTHS	04/28/2017	Scheduled Inspection
T	0 - MONTHS	04/10/2017	Stormwater
V	0 - MONTHS	04/10/2017	Cover System
W	W - WEEKS	03/31/2017	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	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: 5/2/17

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#: 0000018024

Date In: 06/06/2017 12:02

Date Promised: 06/07/2017 12:02

Date Out: 00:00

WO Status: A Last WO#: 0000018002

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

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
G	0 - MONTHS	05/10/2017	Gas System
S	0 - MONTHS	05/28/2017	Scheduled Inspection
T	0 - MONTHS	05/10/2017	Stormwater
V	0 - MONTHS	05/10/2017	Cover System
W	W - WEEKS	05/12/2017	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: 6-26-17

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: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017661

Date In: 04/03/2017 08:00

Date Promised: 04/04/2017 08:00

Date Out: 00:00

WO Status: A Last WO#: 0000017525

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 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	04/10/2017	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	762.35	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PHV BS

Equipment: CHAREA5TD

Work Order: 0000017661

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
4-24	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					

Section # 1 1.5 hrs

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#: 0000017797

Date In: 05/07/2017 08:30

Date Promised: 05/08/2017 08:30

Date Out: 00:00

WO Status: A Last WO#: 0000017661

WO Priority: Last WO Date: 04/03/2017

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	05/10/2017	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	761		0.00000 Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA5TD

Work Order: 0000017797

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Visually inspect Header	/				STANDING WATER NW CORNER
	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	/				

5-24-17

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#: 0000017933

Date In: 06/05/2017 13:31

Date Promised: 06/06/2017 13:31

Date Out: 00:00

WO Status: A Last WO#: 0000017797

WO Priority: Last WO Date: 05/07/2017

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	06/10/2017	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	LB	0.00000 Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA5TD

Work Order: 0000017933

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	/				

6/16/17

45 min.

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: ZZZZZZZ2GS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017689

Date In: 04/03/2017 09:01

Date Promised: 04/04/2017 09:01

Date Out: 00:00

WO Status: A Last WO#: 0000017553

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
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	763	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS

Equipment: CHAREA6TD

Work Order: 0000017689

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
4/11	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	/				

35 m

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: ZZZZZZZG5: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000017826**

Date In: 05/07/2017 09:01

Date Promised: 05/08/2017 09:01

Date Out: 00:00

WO Status: A Last WO#: 0000017689

WO Priority: Last WO Date: 04/03/2017

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	05/10/2017	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	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PHV BS

Equipment: CHAREAGTD

Work Order: 0000017826

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
5-22	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	✓				

Section # 2

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: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000017959

Date In: 06/05/2017 14:55

Date Promised: 06/06/2017 14:55

Date Out: 00:00

WO Status: A Last WO#: 0000017826

WO Priority: Last WO Date: 05/07/2017

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
V	0 - MONTHS	05/10/2017	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	761 <i>DMS</i>	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV 85

Equipment: CHAREA6TD

Work Order: 0000017959

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					

6-22-17

30min