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King County
Solid Waste Division
Department of Natural Resources and Parks
King Street Center
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Seattle, WA 98104-3855
206-477-4466
711 TTY Relay
www.kingcounty.gov/solidwaste

November 30, 2020

TO: Darshan Dhillon, Health & Environmental Investigator, Environmental Health Division, Public Health – Seattle and King County (PHSKC)

DS LB

VIA: Laura Belt, P.E., Engineer Supervisor, Solid Waste Division (SWD), Department of Natural Resources & Parks (DNRP)

DS ST

FM: Subrina Tahsin, Engineer II, SWD, DNRP

RE: Cedar Hills Regional Landfill Environmental Monitoring Report for the Third Quarter of 2020

The purpose of this memorandum is to transmit the latest quarterly environmental report for the Cedar Hills Regional Landfill (Landfill) for your review. This report includes environmental data collected from July 1st, 2020 through September 30th, 2020. The report contains groundwater monitoring results and evaluations as described in *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (Dec, 2013)*, storm water quality requirements under the *Industrial Stormwater General Permit*, and a compilation of other environmental data collected from the Landfill.

Also included with this submittal is a copy of the Area 5 Top Deck Monitoring Report for the Third Quarter of 2020. This report addresses the activities specified in "Determination Regarding Proposed Extended Use of Temporary Cover for Cedar Hills Landfill Area 5" memorandum dated December 19, 2006.

If you have any questions, please call Laura Belt at 206-477-5215 or me at 206-263-6921.

Enclosures

cc: Alan Noell, Ph.D., P.E., Solid Waste Program, Washington State Department of Ecology
Tim O'Connor LG, LHG, Hydrogeologist 3, Solid Waste Program, Washington State Department of Ecology
Yolanda Pon, Solid Waste Program Supervisor, Public Health - Seattle and King County (PHSKC)
Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD), Department of Natural Resources & Parks (DNRP)
Neil Fujii, P.E., FESS Manager, SWD, DNRP

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November 30, 2020

Alan Noell, Ph.D., P.E.
Solid Waste Program
Washington State Department of Ecology
Northwest Regional Office
3190 – 160th Avenue SE
Bellevue, WA 98008-5452

RE: Cedar Hills Regional Landfill Environmental Quarterly Report for the Third Quarter of 2020

Dear Mr. Noell:

The purpose of this letter is to transmit a copy of the Solid Waste Division's Environmental Monitoring Quarterly Report for the Cedar Hills Regional Landfill (Landfill). This report includes environmental data collected from July 1st, 2020 through September 30th, 2020. The report contains groundwater monitoring results and evaluations as described in *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill* (Dec, 2013), storm water quality requirements under the Industrial Stormwater General Permit, and a compilation of other environmental data collected from the Landfill.

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If you have any questions, please contact Laura Belt at 206-477-5215 or me at is 206-263-6921.

Sincerely,

DocuSigned by:
Subrina Tahsin
EF99840290E4443...
Subrina Tahsin
Engineer II

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Enclosures

cc: Tim O'Connor LG, LHG, Hydrogeologist 3, Solid Waste Program, Washington State Department of Ecology
Yolanda Pon, Environmental Health Services Supervisor, Environmental Health Division, Public Health - Seattle and King County (PHSKC)
Darshan Dhillon, Health & Environmental Investigator, Environmental Health Division, PHSKC
Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD), Department of Natural Resources and Parks (DNRP)
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Laura Belt, P.E., Engineer Supervisor, SWD, DNRP

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CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

THIRD Quarter 2020

King County
Department of
Natural Resources and Parks
Solid Waste Division

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November 2020

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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.

1st ——— 2nd ——— 3rd ✓ 4th ——— YEAR 2020	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)	☒	25, 35
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)	☒	26-28, 40-42
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	☐	
Trilinear diagrams	430, (5b)	☒	30, 31, 37, 38
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	☒	v

DocuSigned by:
Subrina Talusin
EF99840290E4443...

Signature of Report Author

November 25, 2020
Date

Cedar Hills Regional Landfill
Landfill

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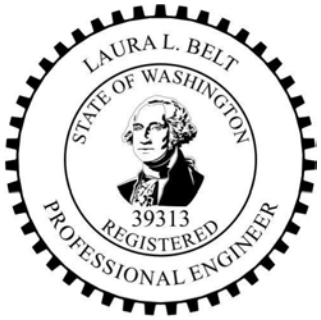
CERTIFICATION

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 Regional 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 Section	**Date:** November 25, 2020
Mailing Address: Solid Waste Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 701 Seattle, WA 98104-3855		**Telephone Number:** 206-477-5215
Signature: DocuSigned by: Laura Belt 62EB1763091846C...		



EXPIRES 8/10/2021

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KING COUNTY SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL

QUARTERLY ENVIRONMENTAL MONITORING REPORT

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King County Cedar Hills Regional Landfill
Summary of Quarterly Environmental Monitoring
Third Quarter of 2020

This summary discusses quarterly environmental monitoring results for groundwater, stormwater, 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 current monitoring results and how they compare to previous results from samples collected at CHRLF.

1.1 Groundwater

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

1.1.1 Regional Aquifer

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

Regional Aquifer analysis results for downgradient and crossgradient wells for this quarter are generally consistent with past results. Several upgradient wells continue to show elevated concentrations of several parameters indicating changing water quality upgradient 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. However, only total metals results (per WAC 173-351-430(2)(b)(ii)) were compared to primary

groundwater and drinking water quality standards, as listed in WAC 173-351-990 Appendix I and Title 40 CFR Subpart G Part 141. Dissolved iron and manganese were compared to secondary groundwater quality standards, as listed in WAC 173-351-990 Appendix II. Implementation of the most recent SAP resulted in a reduction in the total number of wells that are monitored. The remaining wells to be monitored were designated either as quarterly (all quarters of the year), or as semi-annual (second and fourth quarters of the year). This quarter, wells designated for quarterly monitoring were sampled, and are listed in Table 1.

Analytical Results

Analytical results can be viewed in Appendix B: Field and Analytical Test Results, and a discussion of groundwater criteria exceedances is below.

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-66, MW-68*, MW-81, MW-83, MW-84, MW-93, MW-94, MW-113, MW-114, MW-115	MW-72, MW-74R, MW-75, MW-80, MW-85, MW-87

*Also exceeded Primary Federal Ground Water Quality Criteria

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68, MW-113	MW-72, MW-75, MW-80, MW-87

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68, MW-93, MW-113	MW-72, MW-75, MW-80, MW-87

Exceedances of the Primary Ground Water Quality Criteria were observed for Trichloroethene as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-114*, MW-115	--

*Also exceeded Primary Federal Ground Water Quality Criteria

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

Trilinear Diagrams and Ion Balance

Trilinear Diagrams (Figures 5 and 6) indicate water quality type (hydrochemical facie) based on the dissolved ion distribution. The diagrams are useful to recognize spatial and temporal variability, potential analytical error, or change in hydrochemical facie. 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 (> 10%) in any regional wells.

Prediction Limits

Intra-well upper prediction limits (UPLs) are calculated annually and have been updated with data collected through the end of 2019. Calculated prediction limits and analytical results for Appendix I parameters are presented in Table 5 and summarized below. Newly installed Monitoring wells MW-113 through MW-115 do not yet have enough background data from sampling events to calculate prediction limits for analytical parameters.

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-84 (Total Barium), MW-93 (Total Barium, Total Arsenic, Total Vanadium)	MW-87 (Total Zinc)

MW-84

Prediction limit exceedances for Barium were reported previously for MW-84. Although these prediction limit exceedances are all below Primary and Secondary Federal Drinking Water Maximum Contaminant Levels (MCLs), the Solid Waste Division is currently undergoing a well redevelopment program that includes MW-84. The program was agreed to with Seattle/King County Department of Public Health (SKCDPH) and Ecology.

Volatile Detections

Volatile Organic Compound (VOC) detections in upgradient and cross-gradient regional aquifer wells this quarter are presented in Table 6. There continue to be regularly occurring detections of chlorinated solvents and their breakdown products within the monitoring network at CHRLF, all of which are associated with the upgradient Queen City Farms (QCF) Superfund site. These detections include the following:

- Cis-1,2-Dicholoroethene was detected in quarterly monitored well MW-59;
- Trichloroethene (TCE) was detected in quarterly monitored wells MW-83, MW-94 and the newly installed wells MW-114 and 115.
- Carbon Disulfide was detected at MW-113.
- M & P Xylene was detected at MW-115.

These upgradient well detections are consistent with past data including the newly installed wells (MW-113, MW-114 and MW-115) and continuing migration from QCF.

No other volatile detections occurred this quarter in regional monitoring wells.

1.1.2 Perched Zones

The East Perched Zone (EPZ) is a series of localized areas east of the Main Hill exhibiting shallow subsurface saturation that appears laterally and vertically discontinuous, predominantly within till and lacustrine silts.

The South Solid Waste Area (SSWA) Perched Zone contains perched groundwater that occurs both within pockets of 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, MW-50, MW-62, MW-102, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, MW-EB6). MW-101, which monitors the SSWA Perched Zone, was also sampled. Groundwater quality data from perched zones wells collected during the third quarter of 2020 are consistent with previous samples.

MW-105

MW-105 was installed on the south side of the east leachate lagoon to have a monitoring well in the shallowest perched groundwater zone to provide early leak detection. If specific conductance shows a statistically significant increasing trend or exceeds 500 μmhos/cm specific conductance (whichever condition is triggered first), then additional sampling (per the SAP) will be conducted and results assessed with respect to potential leakage from the lagoon.

This quarter, the conductivity at MW-105 was field measured at 163.8 μmhos/cm.

Analytical Results

Exceedances of regulatory standards for the perched zone wells are tabulated and presented in Table 7. All exceedances are consistent with past analyses and known impacts. MW-109 exceeded Primary Federal Ground Water Quality Criteria for arsenic for more than three consecutive quarters; MW-108, MW-110 exceeded for total Sodium for three consecutive quarters; MW-47 exceeded for Vinyl Chloride for three consecutive quarters. Exceedances for EPZ replacement monitoring wells MW-102 through MW-104 and MW-107 through MW-112 are also included in Table 7.

Trilinear Diagrams and Ion Balance

Trilinear plots for Perched Zone samples are all within the calcium-magnesium-bicarbonate hadrochemical facie, consistent with past samples (Figures 7 and 8). Ion balance calculations (Table 8) indicate no analytical error (> 10%) in any perched wells. EPZ replacement monitoring wells MW-102 through MW-104 and MW-107 to MW-112 have been added in Figure 7. Ion balance calculations (Table 8) indicate no analytical error (> 10%) in any perched wells.

Prediction Limits

As with the regional aquifer monitoring wells, perched zone prediction limits are derived from cumulative data through the end of 2019. Calculated prediction limits for Appendix I parameters along with analytical results are presented in Table 9.

This quarter there were no prediction limit exceedances for established perched wells. Monitoring wells MW-107 through MW-112 do not yet have enough background data from sampling events to calculate prediction limits for analytical parameters.

Volatile Detections

VOC detections in the perched zones are presented in Table 10. Multiple detections listed in the table are due to switching to Lower Limit of Quantitation (LLOQ) methodology, which lowered the detection limit for a variety of VOCs. These data points are qualified ‘JT’ in Table 10. Qualifier ‘JT’ indicates sample result present but unquantified or in other words above the MDL but below the LLOQ.

All other analytes are consistent with past analyses and known impacts.

1.2 Stormwater

1.2.1 CHRLF ISGP

CHRLF stormwater discharge is authorized by an Industrial Stormwater General Permit (ISGP) issued by the Washington State Department of Ecology (Ecology). The permit defines discharge benchmarks, applicable to all facilities, and effluent limits, applicable specifically to landfills. These values are listed in Table 15. Sampling stations SW-N4, SW-SL3 and SW-GS1 (see Figure 2) are the designated points for comparison to permit benchmarks and effluent limits.

ISGP required monitoring activities for the third quarter of 2020 are listed in Table 12. There were no benchmark or effluent limit exceedances at any sampling locations during the third quarter of 2020 (see Table 14). ISGP Discharge Monitoring Reports (DMRs) are included in Appendix B.

1.2.2 CHRLF CSWGP

Beginning in 2017, a Construction Stormwater General Permit (CSWGP) was issued for CHRLF (permit number WAR305034 with Ecology) for the Area 8 construction activities. A separate Stormwater Pollution Prevention Plan (SWPPP) was also created for this CSWGP permit. Four (4) discharge locations were monitored weekly for compliance with the CSWGP in accordance with the SWPPP by the contractor during the active phase of the project. The construction contractor also inspected the required construction site Best Management Practices (BMPs) and the CSWGP monitoring locations daily during construction activities.

The four locations monitored are listed as follows:

1. C-1 (NW end of the site, downstream of the NW siltation pond);
2. C-2 (NE end of the site, downstream of the N stormwater pond);
3. C-3 (SE portion of the site, downstream of the S stormwater lagoon and upstream of the bioswale); and,
4. C-4/CHL (SW part of the site, downstream from the SW siltation pond).

Area 8 was substantially completed during the second quarter of 2019, and construction stormwater monitoring by the contractor discontinued at the time of completion. The permit however remains active, with monitoring continued by SWD staff monthly.

There were no exceedances at any monitoring location during the third quarter of 2020 (see Table 14). Copies of required stormwater reports submitted to Ecology are included in Appendix B.

1.3 Landfill Gas

Compliance probes, interior 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 is monitored for landfill gas (LFG) migration around the perimeter of the landfill. Probes are monitored by the LFG crew monthly to monitor system performance and quarterly for compliance. The location map for the compliance probes can be viewed in Figure 4 and in Appendix B. The monitoring results for the compliance probes during this quarter are located in Appendix B.

Methane exceedances were observed at one compliance probe, GP-44A, during the third quarter of 2020 at 9.7% methane. Per King County standard practices, the LFG tech team returned to site the following morning and measured 8.6% methane. After purging the probe for 10 minutes, methane level has dropped to 2.4%. Again, after running the pump on the GEM5000 for nearly 15 minutes, methane level was down to 0.5%. GEM5000 is an instrument use to measure the landfill gas in percentage volume for methane, oxygen, carbon dioxide. The probe was monitored daily for 2 weeks to confirm that methane levels remained low. The two weeks supplemental Gas Probe Monitoring data for GP-44A can be viewed in Appendix-B.

1.3.2 Interior Probe Network

Additional probes on the landfill site, located interior to the compliance probes but outside of the waste footprint, are monitored monthly. These probes provide valuable information for optimizing the performance of the LFG collection system and help to prevent LFG migration. The location map and monitoring results for the interior probes during the third quarter of 2020 can be viewed in Appendix B.

1.3.3 On-Site Building Monitoring

As required by WAC 173-351-200, gas concentrations are monitored inside facility structures. Structures are monitored quarterly for methane. No detections of methane occurred this quarter. The location map and monitoring results for facility gas monitoring during the third quarter of 2020 are presented in Appendix B.

1.3.4 Supplemental Migration Monitoring

Detections above the regulatory limit in LFG probe GP-33C in September of 2011 prompted actions including monitoring frequency increase, 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 thirteen (13) borings targeting the potential zone of LFG migration in the native sediments. Eight (8) borings serve as LFG extraction wells and five (5) borings as monitoring probes. The extraction wells and migration probes are monitored twice a month.

This quarter, no methane was detected at levels above the detection limit. The location map and supplemental monitoring results are included in Appendix B. Review of historical data indicates the system has been effective in controlling LFG migration to the perimeter probes.

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 ISGP and CSWGP. The following is a brief description of the standards and analytical tools used to review each matrix.

2.1 Regulatory Standards

Stormwater monitoring results are compared to the ISGP Benchmark and Effluent Limits Criteria and CSWGP Benchmarks (Table 13). Groundwater monitoring results are compared to the groundwater quality criteria in WAC 173-200 (Table 15).

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. 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, which are 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.

To evaluate the groundwater data for CHRLF, one-sided UPLs are calculated based on intra-well comparisons. Intra-well comparisons present a more conservative approach to determining if a statistically significant release has occurred and is recommended 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. 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 five (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.

Note: 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 the most conservative.

UPLs for background data sets with less than 50 percent non-detects are evaluated for normality. UPLs with non-parametric data sets are based on the highest detected concentration for the respective data set. UPLs for either normally distributed or transformed-normal data sets are calculated based on the following equations for calculating parametric prediction limits with retesting (*EPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, 2009*):

Normal Distribution

$$UPL = x + \kappa s$$

or

Transformed Distribution:

$$UPL = y + \kappa s_y$$

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

For UPLs of constituents that had only ever had non-detects prior to implementing the LLOQ and are now detected, the MDL is being used until sufficient data is available to calculate at UPL.

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 that analytical parameter at the respective location is required to determine if the exceedance represents a statistically significant increase over background.

A 1-of-3 retesting plan is used for any exceedances of the intra-well UPLs at 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 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 unsuitable for evaluation purposes. A summary of suspect results can be found in Table 16.

2.4.1 Lower Limit of Quantification

Changes made in accordance with federal regulations for the guidance of analytical testing methodologies covered by SW-846 (Test Methods for Evaluating Solid Waste) were implemented in 2017 by the contract laboratory. One specific effect of these changes was to replace the MDL methodology with the 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-846.

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.

2.4.2 Analytical Uncertainty and Data Review

An important consideration when reviewing and evaluating analytical data is to examine the uncertainty associated with the measurement of each analyte. When a UPL or groundwater quality criteria exceedance, and the detection limit are similar in magnitude, uncertainty inherent in low level concentration results can call into question the actuality of both presence and/or exceedance of the limit or criteria. This uncertainty is partly due to the 'noise' that is intrinsic in analytical testing methods and laboratory protocol. Arsenic exceedances in groundwater provide an example of this scenario, as the UPL and detection limits for arsenic are both typically quite low (parts per billion), as is the groundwater quality criteria. This results in the analytical measurement being evaluated to be subject to both the uncertainty within the calculation of a UPL, and the 'noise' of the analytical testing method, which includes both method and laboratory specific elements. These factors must be considered when performing a review or statistical evaluation of analytical data before confirmation on a UPL or groundwater quality exceedance can be determined.

3. References

1) *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill*, December 2013 (SAP). King county, Department of Natural Resources and Parks, Solid Waste Division, prepared by Aspect Consulting LLC.
2) *Cedar Hills Regional Landfill Site Wide Hydrogeologic Report* Addendum, December 2013, King county, Department of Natural Resources and Parks, Solid Waste Division, prepared by Aspect Consulting LLC.
3) Hills Regional Landfill – EPZ Extraction Well Decommissioning Technical Memorandum, Phase 1 – Cedar Hills Regional Landfill, CONTRACT NO. E00286E12, Task No. 810, July 2018.
4) Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, EPA, 2009.

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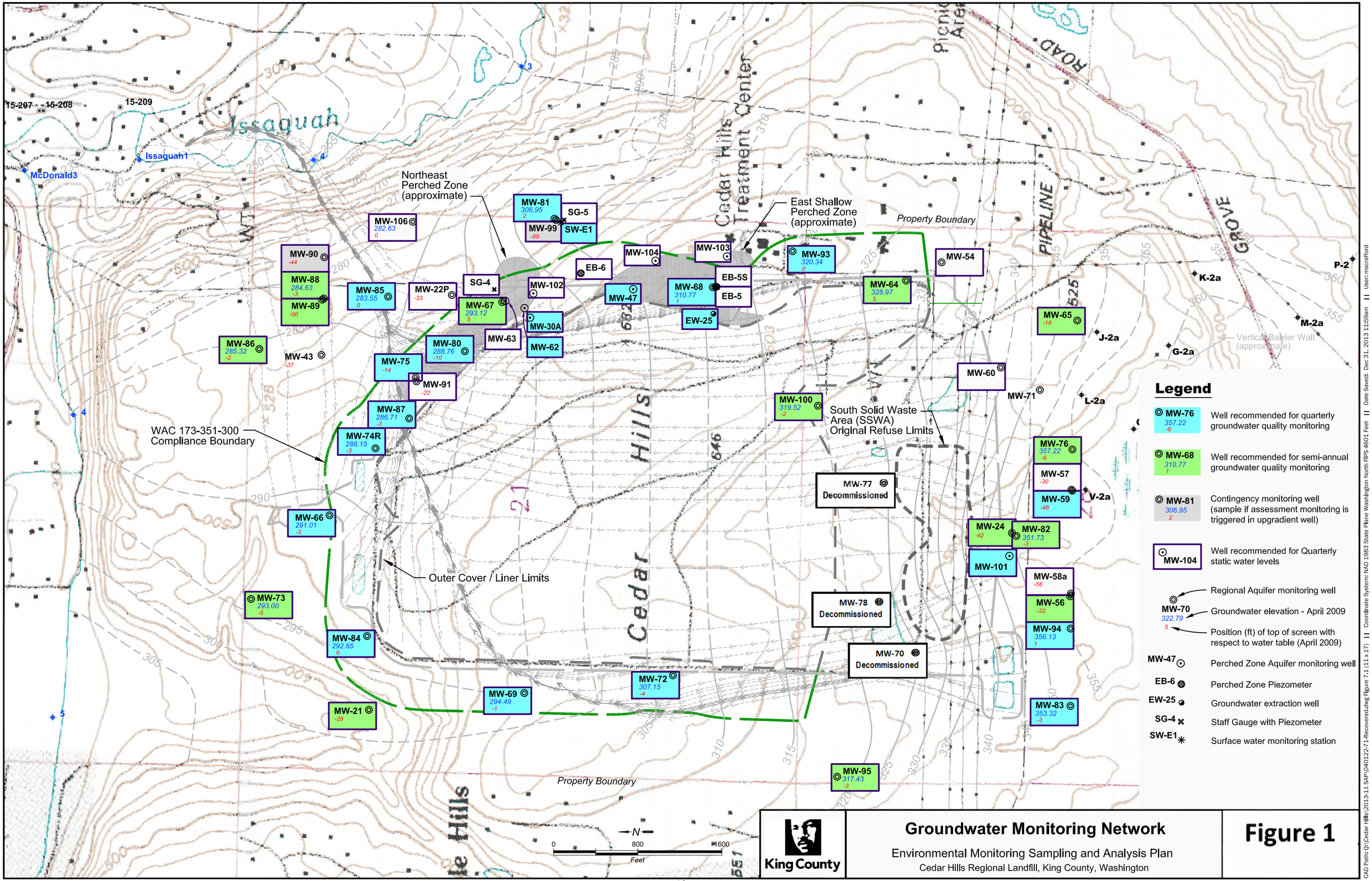

Legend

- MW-76 357.22 -6 — Well recommended for quarterly groundwater quality monitoring
- MW-68 310.77 1 — Well recommended for semi-annual groundwater quality monitoring
- MW-81 306.95 2 — Contingency monitoring well (sample if assessment monitoring is triggered in upgradient well)
- MW-104 — Well recommended for Quarterly static water levels
- MW-70 322.79 5 — Regional Aquifer monitoring well; Groundwater elevation - April 2009; Position (ft) of top of screen with respect to water table (April 2009)
- MW-47 — Perched Zone Aquifer monitoring well
- EB-6 — Perched Zone Piezometer
- EW-25 — Groundwater extraction well
- SG-4 — Staff Gauge with Piezometer
- SW-E1 — Surface water monitoring station

King County

Groundwater Monitoring Network

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

Figure 1

CAD Path: Q:\Cedar Hills\2013-11 SAP\(040122-71-Recovered.dwg Figure 7.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Dec 31, 2013 11:59am || User: mscrafford

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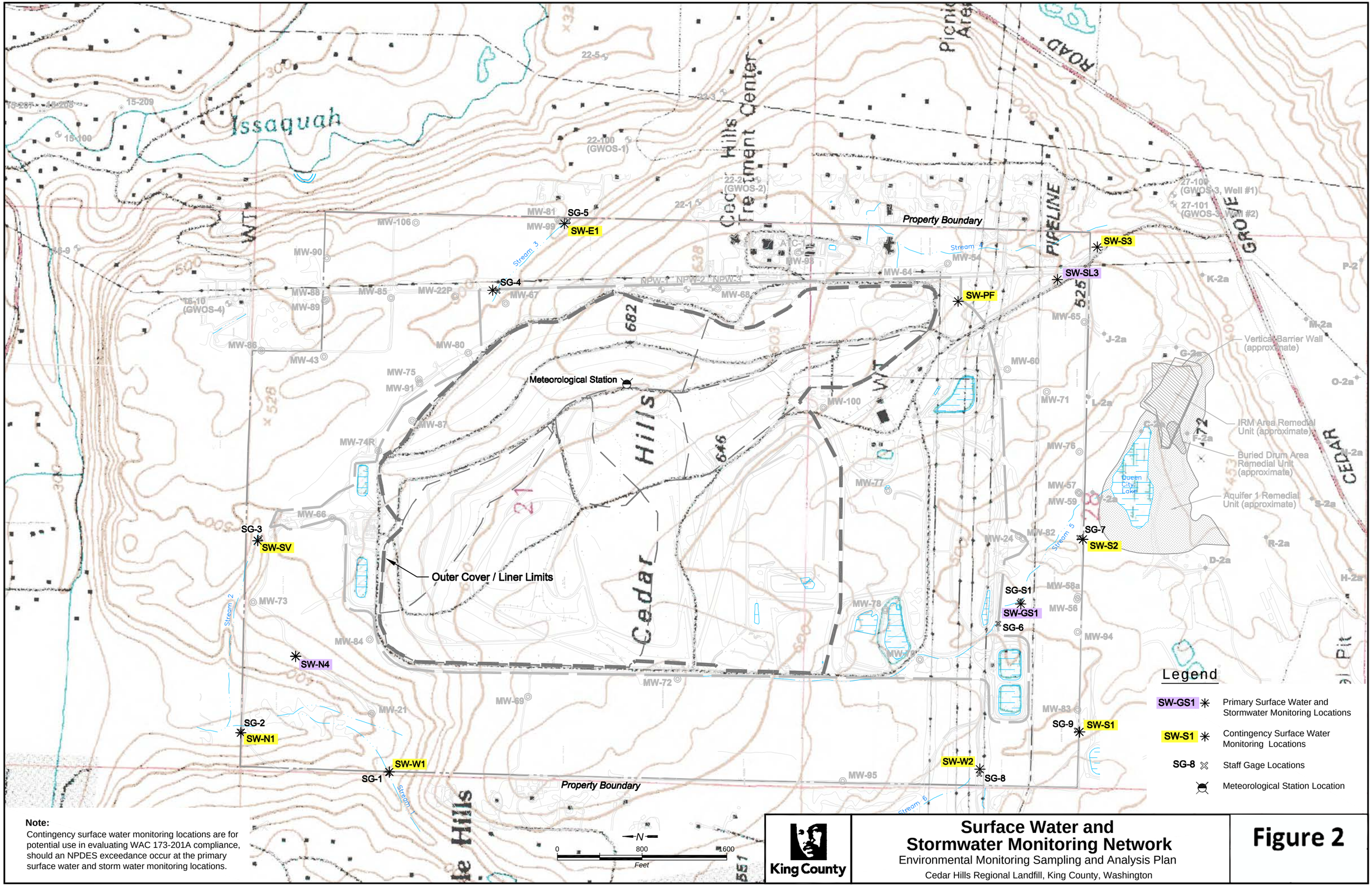

Note:
Contingency surface water monitoring locations are for potential use in evaluating WAC 173-201A compliance, should an NPDES exceedance occur at the primary surface water and storm water monitoring locations.

Legend

SW-GS1 ✳	Primary Surface Water and Stormwater Monitoring Locations
SW-S1 ✳	Contingency Surface Water Monitoring Locations
SG-8 ⊠	Staff Gage Locations
	Meteorological Station Location

King County

Surface Water and Stormwater Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

Figure 2

CAD Path: Q:\Cedar Hills\2012-01 Environmental Analysis Plan\0401228 1_2012.dwg Figure 8.1 (11 x 17) || Coordinate System: NAD 1927 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 25, 2012 11:47am || User: pbaker

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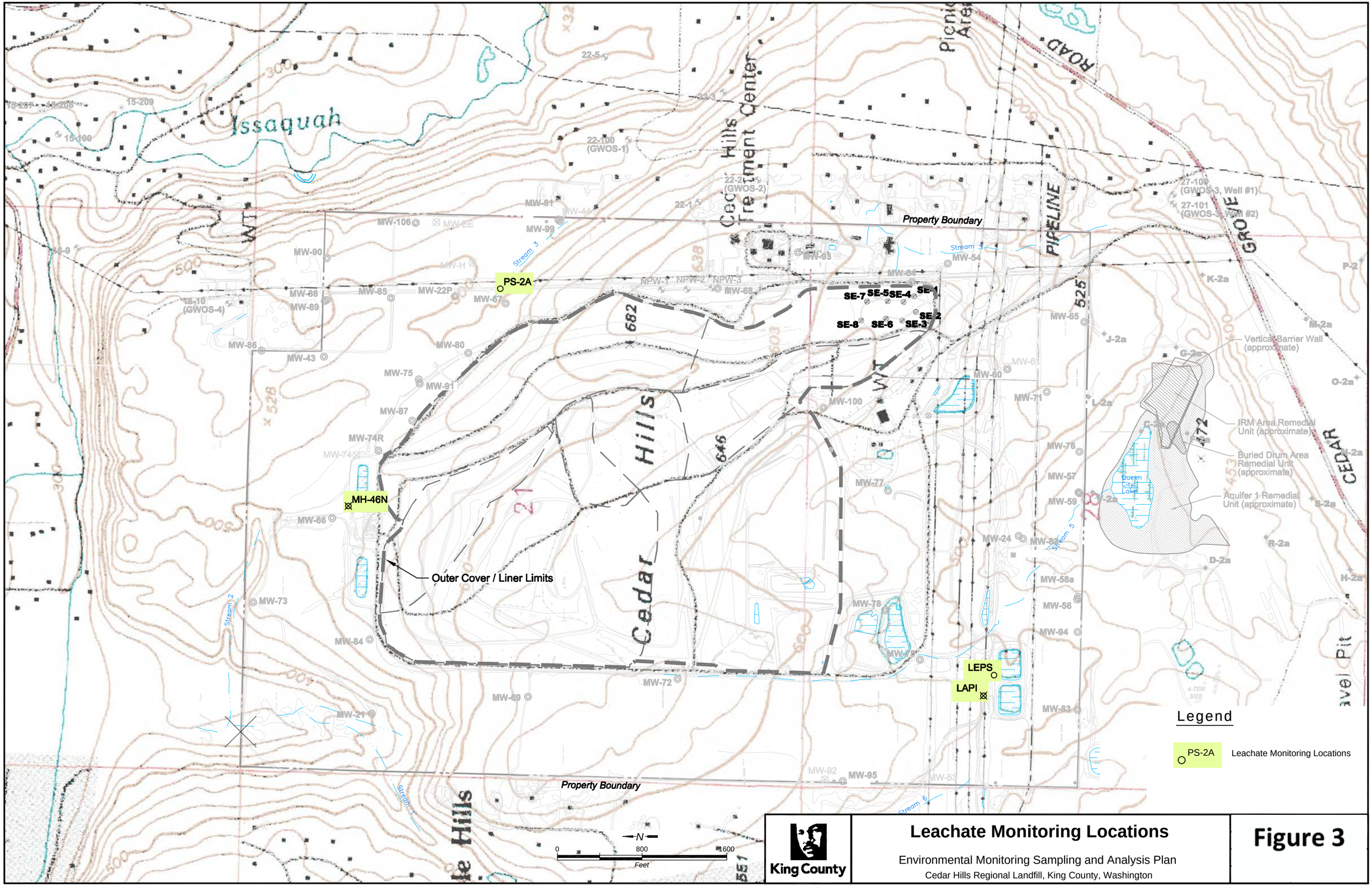

King County

Leachate Monitoring Locations

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

Figure 3

CAD Path: Q:\Cedar Hills\2012-01 Environmental Analysis Plan\040122-91.dwg Figure 10.1 (11 x 17) || Coordinate System: NAD 1927 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 27, 2012 12:21pm || User: pbaker

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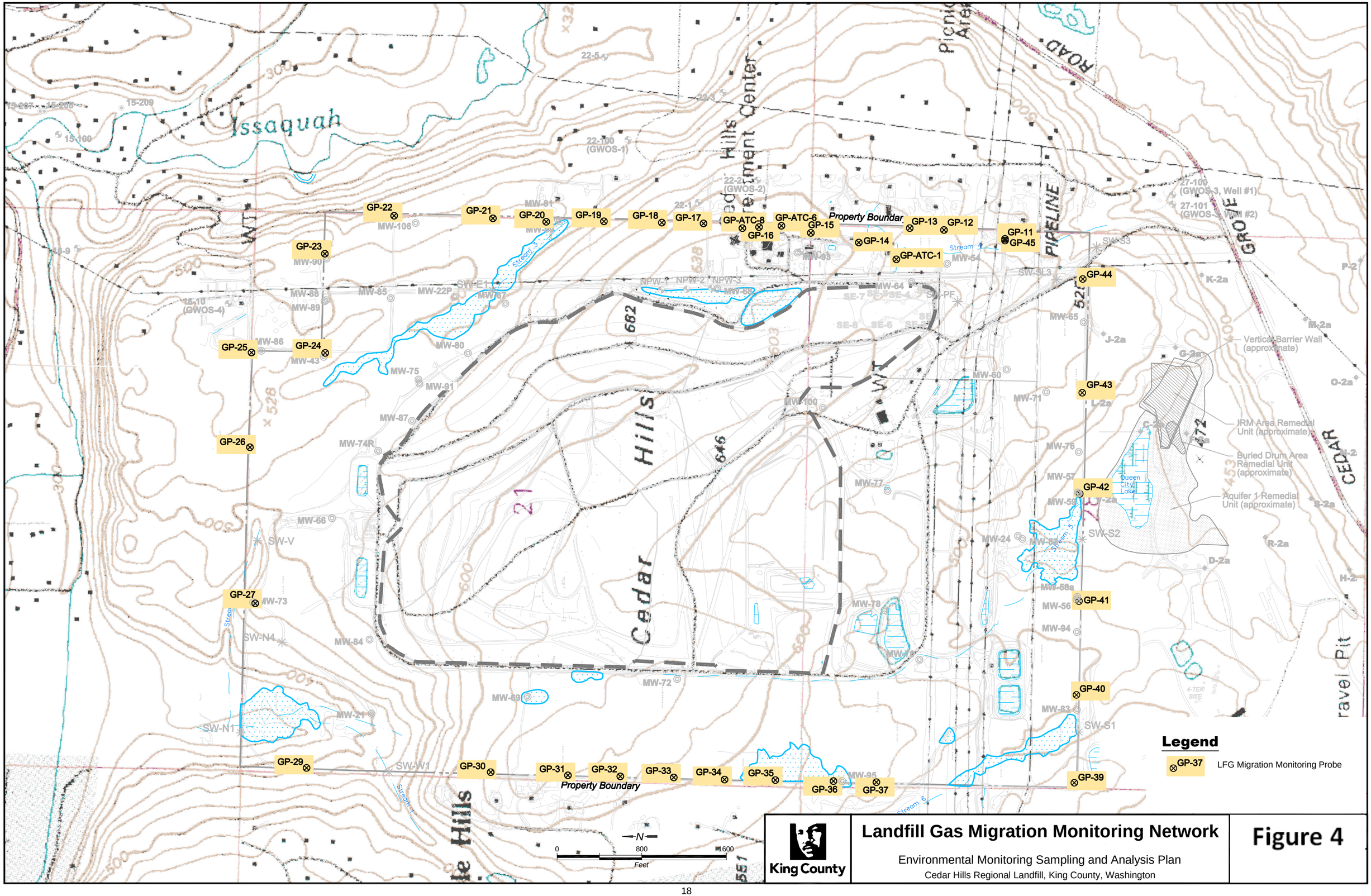

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TABLE 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well 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 43 (Downgradient)	5	325	30/4/85	Deep	Detection	WL only	Quarterly	None	
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 indicate slow movement of QCF contaminants through this area.
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
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 GW quality from off-site area east of facility. Retain as monitoring point for potential LFG impacts to GW. 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 indicate slow movement of QCF contaminants through this area.
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 GW 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.

TABLE 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well 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-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.
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.
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 southwest end of facility. Downgradient flow paths poorly defined and may by-pass facility.
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.
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.
MW-106 (Cross gradient)	4	203	2/19/09	Water Table	Detection	WL only	Quarterly	None	Defines east side flow paths.
MW-113 (Upgradient)	4	220	4/03/20	Water Table	Detection	Background	Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
MW-114 (Upgradient)	4	150	4/10/20	Water Table	Detection	Background	Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
MW-115 (Upgradient)	4	145	4/14/20	Water Table	Detection	Background	Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
NPW1	8	382	8/221990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
NPW3	6	376	6/51990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
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		Quarterly	Quarterly	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. Decommissioned 2nd quarter of 2018.
MW 25	3	43	3/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 27A	2	80	3/10/85	EPZ	Assessment	WL only	Quarterly	None	
MW 28	3	39	21/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 29	3	60	23/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW-30A	3	35	6/09/89	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-41S	3	51	7/12/83	EPZ	Assessment	WL only	Quarterly	None	
MW-41D	3	51	7/12/83	EPZ	Assessment		Quarterly		
MW 45	2	64	5/17/85	EPZ	Assessment	WL only	Quarterly	None	
MW-47	2	44	5/31/85	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well.
MW 48	2	63	5/24/85	EPZ	Assessment	WL only	Quarterly	None	
MW-50	2	40	6/03/85	EPZ	Assessment		Quarterly	Quarterly	
MW 55	2	67	10/02/86	EPZ	Assessment	WL only	Quarterly	None	

TABLE 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well 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-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 79	2	56	11/05/99	EPZ	Assessment	WL only	Quarterly		THIS WELL IS BROKEN; needs to be fixed. No statics are taken since it is still broken.
MW 98	2	23	3/09/01	EPZ	Assessment	WL only	Quarterly	None	
MW-102	2	50	1/27/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-103	2	35	1/28/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-104	2	32	1/29/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-107	2	39	6/07/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-108	2	17	6/08/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-109	2	13	6/09/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-110	2	19	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-111	2	14	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-112	2	17	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
South Solid Waste Area Perched Zone									
MW-101	2	54	2/06/06	SSWA	Assessment		Quarterly	Quarterly	Key SSWA perched zone compliance well
MW 105	2	30	1/30/09	EPZ	Assessment	Conductance only	Quarterly	Quarterly	Well located near leachate lagoons; FE measures conductance every quarter on this well as a check of the leachate lagoons

Notes:
(1) The following wells were decommissioned: MW-70, MW-77, MW-78, MW-96, MW-97, and EW-25 as of 2019.
(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

CEDAR HILLS REGIONAL LANDFILL

GROUNDWATER MONITORING ACTIVITIES 3rd QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	7/6/20	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	7/6/20	Groundwater Elevation Measurement	--	South half of landfill.
Static Water Levels	NA	7/6/20	Groundwater Elevation Measurement	--	East perched zone.
MW-21	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-22	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-24	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-25	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-27A	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-28	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-29	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-30A	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-30A	Perched	7/20/20	Groundwater Sampling Event	W30A200720-	
MW-41D	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-41S	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-43	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-45	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-47	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-47	Perched	7/13/20	Groundwater Sampling Event	W47-200219-	
MW-47	Perched	7/29/20	Groundwater Sampling Event	W47-200729-	Re-sample for dissolved gases
MW-48	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-50	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-50	Perched	7/13/20	Groundwater Sampling Event	W50-200713-	
MW-50	Perched	7/29/20	Groundwater Sampling Event	W50-200729-	Re-sample for dissolved gases
MW-54	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-55	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-56	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-57	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-58A	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-59	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-59	Regional	7/8/20	Groundwater Sampling Event	W59-200708-	
MW-60	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-62	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-62	Perched	7/8/20	Groundwater Sampling Event	W62-200708-	
MW-63	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-64	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-65	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-66	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-66	Regional	7/7/20	Groundwater Sampling Event	W66-200707-	
MW-67	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-68	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-68	Regional	7/20/20	Groundwater Sampling Event	W68-200720-	
MW-69	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-72	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-72	Regional	7/7/20	Groundwater Sampling Event	W72-200707-	
MW-73	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-74	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-74	Regional	7/8/20	Groundwater Sampling Event	W74R200708-	
MW-75	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-75	Regional	7/8/20	Groundwater Sampling Event	W75-200708-	
MW-76	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-80	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-80	Regional	7/20/20	Groundwater Sampling Event	W80-200720-	
MW-81	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-81	Regional	7/8/20	Groundwater Sampling Event	W81-200708-	
MW-81	Regional	7/8/20	Groundwater Sampling Event	W81-200708D	Field Duplicate

TABLE 2

CEDAR HILLS REGIONAL LANDFILL

GROUNDWATER MONITORING ACTIVITIES 3rd QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-82	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-83	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-83	Regional	7/7/20	Groundwater Sampling Event	W83-200707-	
MW-84	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-84	Regional	7/9/20	Groundwater Sampling Event	W84-200709-	
MW-85	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-85	Regional	7/9/20	Groundwater Sampling Event	W85-200709-	
MW-86	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-87	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-87	Regional	7/9/20	Groundwater Sampling Event	W87-200709-	
MW-88	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-89	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-90	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-91	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-93	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-93	Regional	7/9/20	Groundwater Sampling Event	W93-200709-	
MW-94	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-94	Regional	7/7/20	Groundwater Sampling Event	W94-200707-	
MW-95	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-98	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-99	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-100	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-101	SSWA	7/6/20	Groundwater Elevation Measurement	NA	
MW-101	SSWA	7/13/20	Groundwater Sampling Event	W101200713-	
MW-101	SSWA	7/29/20	Groundwater Sampling Event	W101200729-	Re-sample for dissolved gasses
MW-102	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-102	Perched	7/13/20	Groundwater Sampling Event	W102200713-	
MW-102	Perched	7/29/20	Groundwater Sampling Event	W102200729-	Re-sample for dissolved gasses
MW-103	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-103	Perched	7/21/20	Groundwater Sampling Event	W103200721-	
MW-104	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-104	Perched	7/20/20	Groundwater Sampling Event	W104200721-	
MW-105	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-106	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-107	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-107	Perched	7/20/20	Groundwater Sampling Event	W107200720-	
MW-108	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-108	Perched	7/21/20	Groundwater Sampling Event	W108200721-	
MW-109	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-109	Perched	7/21/20	Groundwater Sampling Event	W109200721-	
MW-110	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-110	Perched	7/20/20	Groundwater Sampling Event	W110200720-	
MW-111	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-111	Perched	7/20/20	Groundwater Sampling Event	W111200720-	
MW-112	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-112	Perched	7/20/20	Groundwater Sampling Event	W112200720-	
MW-113	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-113	Regional	7/9/20	Groundwater Sampling Event	W113200709-	
MW-114	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-115	Regional	7/6/20	Groundwater Elevation Measurement	NA	
MW-115	Regional	7/8/20	Groundwater Sampling Event	W115200708-	
MW-EB5	Perched	7/6/20	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	1/3/00	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	7/6/20 .	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	7/6/20	Groundwater Sampling Event	WEB6200722-	
WS-NPW-1	Regional	7/6/20	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	7/6/20	Groundwater Elevation Measurement	NA	
Field Blank		7/13/20	QA/QC Sample	W47-200713F	
Field Blank		7/29/20	QA/QC Sample	W47-200729F	

TABLE 3
CEDAR HILLS REGIONAL LANDFILL
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data collected from Jul 1, 2020 to Sept 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
pH (Field)	pH Units	MW-94	7/20/2020	W94-200707-	6.17
		MW-83	7/20/2020	W83-200707-	6.34
		MW-115	7/8/2020	W115200708-	6.33
Arsenic, Total	mg/L	MW-113	7/9/2020	W113200709-	0.000705
		MW-114	7/9/2020	W114200709-	0.000354
		MW-115	7/8/2020	W115200708-	0.000328
		MW-59	7/8/2020	W59-200708-	0.000417
		MW-66	7/7/2020	W66-200707-	0.000655
		MW-68	7/20/2020	W68-200720-	0.033
		MW-81	7/8/2020	W81-200708-	0.000514
		MW-83	7/7/2020	W83-200707-	0.000364
		MW-84	7/9/2020	W84-200709-	0.000307
		MW-93	7/9/2020	W93-200709-	0.00144
		MW-94	7/7/2020	W94-200707-	0.000127
Iron, Dissolved	mg/L	MW-113	7/9/2020	W113200709-	0.823
		MW-59	7/8/2020	W59-200708-	4.34
		MW-68	7/20/2020	W68-200720-	0.639
Manganese, Dissolved	mg/L	MW-113	7/9/2020	W113200709-	0.416
		MW-59	7/8/2020	W59-200708-	0.133
		MW-68	7/20/2020	W68-200720-	0.291 D
		MW-93	7/9/2020	W93-200709-	0.182
Trichloroethene	ug/L	MW-114	7/9/2020	W114200709-	9.97
		MW-115	7/8/2020	W115200708-	4.93
Downgradient Wells					
Arsenic, Total	mg/L	MW-72	7/7/2020	W72-200707-	0.00013
		MW-74R	7/8/2020	W74R200708-	0.000392
		MW-75	7/8/2020	W75-200708-	0.00046
		MW-80	7/20/2020	W80-200720-	0.00381
		MW-85	7/9/2020	W85-200709-	0.000689
		MW-87	7/9/2020	W87-200709-	0.000686
Iron, Dissolved	mg/L	MW-72	7/7/2020	W72-200707-	2.72
		MW-75	7/8/2020	W75-200708-	2.7
		MW-87	7/9/2020	W87-200709-	4.94
		MW-80	7/20/2020	W80-200720-	2.36
Manganese, Dissolved	mg/L	MW-72	7/7/2020	W72-200707-	0.365
		MW-75	7/8/2020	W75-200708-	0.232
		MW-87	7/9/2020	W87-200709-	0.543
		MW-80	7/20/2020	W80-200720-	0.344 D

See Data Qualifier List for Qualifier Information.

Exceedance Criteria: WAC 173-200-040 - Water Quality Standards for Groundwaters of the State of Washington

Table 4
Ion Balanace Calculations
Cedar Hills Regional Landfill
Quarterly Regional Aquifer Groundwater Monitoring

Data Collected from July 1, 2020 to September 30, 2020

			Quarterly Upgradient and Crossgradient Wells															
		Site ID	**MW-59**			**MW-66**			**MW-81**			**MW-83**			**MW-84**			**MW-93**	
		Date	7/8/20			7/7/20			7/8/20			7/7/20			7/9/20			7/9/20	
Cations	**Molecular Weight**	**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)
pH			6.8			6.7			6.9			6.3			6.7			6.8		
Conductance			218.3			209.9			166.0			607.0			196.5			329.7		
TDSobs			164.0			135.0			124.0			379.0			132.0			223.0		
Calcium	40.1	2	17.6	0.88	39.3	15.2	0.76	36.3	13.9	0.69	42.0	64.4	3.21	51.4	15.3	0.76	37.9	31.2	1.56	45.5
Magnesium	24.3	2	10.8	0.89	39.8	12.1	0.99568	47.7	7.7	0.64	38.5	28.1	2.31	37.0	11.1	0.913392	45.4	16.8	1.38	40.4
Potassium	39.1	1	1.2	0.031	1.4	1.1	0.03	1.3	0.88	0.022	1.4	3.6	0.09	1.5	1.2	0.03	1.5	1.6	0.04	1.2
Sodium	23.0	1	6.3	0.27	12.3	7.1	0.31	14.7	6.9	0.30	18.1	14.6	0.64	10.2	7.0	0.31	15.2	9.8	0.43	12.5
Iron	55.8	2	4.34	0.16	7.0	0.010	0.000358	0.017	0.01	0.000358	0.02	0.01	0.000358	0.0057	0.010	0.000358	0.018	0.010	0.000358	0.010
Manganese	54.9	2	0.13	0.004842	0.22	0.0001	3.64E-06	0.0002	0.0001	3.64E-06	0.0002	0.028	0.001023	0.0164	0.002	8.59E-05	0.004	0.1820	0.006626	0.1938
Ammonia-N	14.0	1	0.007	0.0005	0.02	0.0020	0.000143	0.007	0.0020	0.000143	0.009	0.009	0.000628	0.0100	0.002	0.000157	0.008	0.053	0.003812	0.112
Total Cations (meq/L)				**2.23**			**2.1**			**1.7**			**6.3**			**2.0**			**3.4**	
Anions																				
Alkalinity, Total			68.6			81.3			55.5			209.0			75.1			119.0		
Carbonate	60.0	2	0.024	0.000791	0.0	0.024	0.000816	0.0	0.024	0.000805	0.1	0.027	0.000916	0.0	0.022	0.000737	0.0	0.043	0.001437	0.043
Bicarbonate	61.0	1	83.64	1.37	68.0	99.14	1.62	78.8	67.66	1.11	69.9	254.92	4.18	68.7	91.58	1.50	77.3	145.09	2.38	71.4
Chloride	35.5	1	11.2	0.32	15.7	4.3	0.12	5.9	5.2	0.15	9.2	56.8	1.60	26.3	3.9	0.11	5.6	2.9	0.08	2.4
Nitrate-N	14.0	1	0.010	0.000714	0.04	0.44	0.032	1.5	1.46	0.10	6.6	1.24	0.09	1.5	0.12	0.01	0.5	0.0	0.00	0.1
Sulfate	96.1	2	15.8	0.33	16.3	13.6	0.28	13.7	10.9	0.23	14.3	10.2	0.21	3.5	15.5	0.32	16.6	41.7	0.87	26.1
Total Anions (meq/L)				**2.02**			**2.1**			**1.6**			**6.1**			**1.9**			**3.3**	
Total Ions (meq/L)				**4.2**			**4.2**			**3.2**			**12.3**			**4.0**			**6.7**	
Cation/Anion Ratio				**1.11**			**1.01**			**1.04**			**1.03**			**1.04**			**1.03**	
Percent Difference				**5.1**			**0.6**			**2.0**			**1.4**			**1.8**			**1.3**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			2.07			2.09			1.65			6.25			2.01			3.41		
Calcium				42.40			36.31			41.98			51.40			37.94			45.69	
Magnesium				42.90			47.66			38.55			36.98			45.38			40.57	
Sodium + Potassium				14.70			16.03			19.47			11.62			16.68			13.74	
sum (SO_4, Cl, HCO_3+CO_3)			2.02			2.03			1.48			5.99			1.93			3.33		
Sulfate				16.31			13.94			15.31			3.54			16.69			26.08	
Chloride				15.66			6.01			9.80			26.73			5.62			2.44	
Bicarbonate + Carbonate				68.02			80.04			74.89			69.73			77.69			71.48	

Table 4
Ion Balanace Calculations
Cedar Hills Regional Landfill
Quarterly Regional Aquifer Groundwater Monitoring

Data Collected from July 1, 2020 to September 30, 2020

			Quarterly Upgradient and Crossgradient Wells																
		Site ID	MW-94			MW-113			MW-114			MW-115			MW-68			MW-72		
		Date	7/7/20			7/9/20			7/9/20			7/8/20			7/20/20			7/7/2020		
Cations	**Molecular Weight**	**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)**
pH			6.2			7.3			6.7			6.3			6.7			6.7		
Conductance			334.5			381.4			288.6			285.8			280.5			357.0		
TDSobs			231.0			236.0			194.0			196.0			160.0			228.0		
Calcium	40.1	2	32.9	1.64	49.7	35.8	1.79	46.3	28.0	1.40	48.6	27.8	1.39	50.9	27.2	1.36	41.7	32.1	1.60	42.1
Magnesium	24.3	2	14.9	1.23	37.1	19.2	1.58	41.0	13.5	1.11	38.7	11.9	0.98	35.9	16.7	1.37	42.2	20.2	1.66	43.7
Potassium	39.1	1	2.4	0.06	1.9	2.1	0.05	1.4	2.3	0.06	2.1	1.9	0.05	1.8	1.8	0.04	1.4	2.0	0.05	1.3
Sodium	23.0	1	8.5	0.37	11.2	9.0	0.39	10.2	7.0	0.30	10.6	7.1	0.31	11.3	10.2	0.44	13.6	8.740	0.380169	9.986
Iron	55.8	2	0.010	0.000358	0.011	0.823	0.0294734	0.764	0.010	0.0003581	0.012	0.010	0.0003581	0.013	0.64	0.023	0.70	2.7200	0.097409	2.5586
Manganese	54.9	2	0.0001	3.64E-06	0.0001	0.4160	0.0151443	0.3926	0.0053	0.000194	0.0068	0.0401	0.0014598	0.0535	0.29	0.011	0.33	0.365	0.013288	0.349
Ammonia-N	14.0	1	0.002	0.000157	0.005	0.014	0.0010138	0.026	0.014	0.0009638	0.034	0.006	0.0004069	0.015	0.02	0.001	0.040		**0.0**	
Total Cations (meq/L)				**3.3**			**3.9**			**2.9**			**2.7**			**3.3**			**3.8**	
Anions																				
Alkalinity, Total			121.0			136.0			101.0			91.1			121.0			127.000		
Carbonate	60.0	2	0.011	0.000359	0.011	0.149	0.0049524	0.134	0.028	0.0009466	0.035	0.012	0.0003904	0.015	0.034	0.001134	0.04	0.04	0.00	0.0
Bicarbonate	61.0	1	147.60	2.42	74.4	165.62	2.71	73.7	123.16	2.02	74.9	111.12	1.82	68.4	147.55	2.42	86.3	154.9	2.54	71.4
Chloride	35.5	1	22.3	0.63	19.4	26.7	0.75	20.4	14.8	0.42	15.5	18.3	0.52	19.4	2.8	0.079	2.8	7.2	0.20	5.7
Nitrate-N	14.0	1	0.52	0.04	1.1	0.0	0.00	0.0	1.5	0.11	4.1	1.9	0.13	5.1	0.010	0.000714	0.025	0.0	0.00	0.0
Sulfate	96.1	2	7.9	0.16	5.1	10.2	0.21	5.8	7.2	0.15	5.6	9.2	0.19	7.2	14.5	0.30	10.8		**0.8**	
Total Anions (meq/L)				**3.2**			**3.7**			**2.7**			**2.7**			**2.8**			**3.6**	
Total Ions (meq/L)				**6.6**			**7.5**			**5.6**			**5.4**			**6.1**			7.362	
Cation/Anion Ratio				**1.02**			**1.05**			**1.07**			**1.02**			**1.16**			**1.071**	
Percent Difference				**0.8**			**2.3**			**3.2**			**1.2**			**7.5**			**3.426**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			3.30			3.81			2.87			2.72			3.22			3.70		
Calcium				49.75			46.87			48.65			50.91			42.15			43.35	
Magnesium				37.16			41.45			38.68			35.94			42.68			44.98	
Sodium + Potassium				13.09			11.68			12.67			13.15			15.17				
																			100.000	
sum (SO_4, Cl, HCO_3+CO_3)			3.21			3.69			2.59			2.53			2.80			3.55		
Sulfate				5.11			5.76			5.82			7.53			10.78			22.85	
Chloride				19.58			20.44			16.13			20.42			2.82			5.70	
Bicarbonate + Carbonate				75.31			73.80			78.05			72.05			86.40			71.45	

Table 4
Ion Balanace Calculations
Cedar Hills Regional Landfill
Quarterly Regional Aquifer Groundwater Monitoring

Data Collected from July 1, 2020 to September 30, 2020

			Quarterly Downgradient to Waste Cells and North End Facilities													
		Site ID	MW-74R			MW-75			MW-80			MW-85			MW-87	
		Date	7/8/20			7/8/20			7/20/20			7/9/20			7/9/20	
Cations	**Molecular Weight**	**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)**
pH			6.6			6.7			7.8			6.7			6.7		
Conductance			571.0			388.8			274.9			379.8			545.0		
TDSobs			354.0			267.0			219.0			245.0			405.0		
Calcium	40.1	2	47.1	2.35	39.4	31.7	1.58	38.9	32.4	1.62	44.4	34.1	1.70	43.2	45.9	2.29	40.7
Magnesium	24.3	2	36.3	2.99	50.0	23.3	1.92	47.1	18.1	1.49	40.9	21.4	1.76	44.7	31.5	2.59	46.0
Potassium	39.1	1	2.2	0.06	0.9	2.0	0.05	1.3	1.8	0.046	1.2	1.7	0.044	1.1	2.5	0.06	1.1
Sodium	23.0	1	13.2	0.57	9.6	9.5	0.41	10.1	9.1	0.40	10.8	10.0	0.433	11.0	11.1	0.48	8.6
Iron	55.8	2	0.010	0.000358	0.006	2.70	0.10	2.38	2.36	0.085	2.3	0.010	0.000358	0.0091	4.940	0.176912	3.141
Manganese	54.9	2	0.0001	3.64E-06	0.00006	0.23	0.008446	0.21	0.34	0.013	0.34	0.0001	3.64E-06	0.00009	0.5430	0.019768	0.3510
Ammonia-N	14.0	1	0.002	0.000143	0.002	0.010	0.000728	0.018	0.01	0.0009	0.025	0.002	0.000143	0.0036	0.070	0.005019	0.089
Total Cations (meq/L)				**6.0**			**4.1**			**3.6**			**3.9**			**5.6**	
Anions																	
Alkalinity, Total			221.0			110.0			115.0			141.0			107.0		
Carbonate	60.0	2	0.05	0.001763	0.03	0.03	0.001055	0.03	0.444	0.01479	0.47	0.038744	0.001291	0.03	0.034	0.001125	0.020
Bicarbonate	61.0	1	269.51	4.42	73.9	134.14	2.20	56.7	139.4	2.28	72.9	171.94	2.82	73.1	130.47	2.14	38.4
Chloride	35.5	1	27.0	0.76	12.7	11.7	0.33	8.5	4.3	0.12	3.9	11.0	0.31	8.0	14.4	0.41	7.3
Nitrate-N	14.0	1	0.24	0.017063	0.29	0.010	0.000714	0.018	0.01	0.000714	0.02	0.09	0.006711	0.2	0.0	0.00	0.0
Sulfate	96.1	2	37.5	0.78	13.1	64.6	1.35	34.7	34.2	0.71	22.7	34.6	0.72	18.7	145.0	3.02	54.2
Total Anions (meq/L)				**6.0**			**3.9**			**3.1**			**3.9**			**5.6**	
Total Ions (meq/L)				**11.9**			**7.9**			**6.8**			**7.8**			**11.2**	
Cation/Anion Ratio				**1.00**			**1.05**			**1.16**			**1.02**			**1.01**	
Percent Difference				**-0.1**			**2.4**			**7.5**			**1.1**			**0.6**	
Trilinear Diagram Data																	
sum (Ca, Mg, Na+K)			5.97			3.96			3.55			3.94			5.43		
Calcium				39.38			39.93			45.58			43.19			42.18	
Magnesium				50.05			48.40			41.99			44.70			47.74	
Sodium + Potassium				10.56			11.67			12.43			12.11			10.08	
sum (SO_4, Cl, HCO_3+CO_3)			5.96			3.87			3.13			3.85			5.56		
Sulfate				13.10			34.71			22.72			18.71			54.25	
Chloride				12.77			8.52			3.89			8.06			7.30	
Bicarbonate + Carbonate				74.13			56.77			73.39			73.23			38.45	

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Figure 5. Trilinear Diagram Up & Crossgradient Regional Wells

Cedar Hills Regional Landfill

Third Quarter 2020

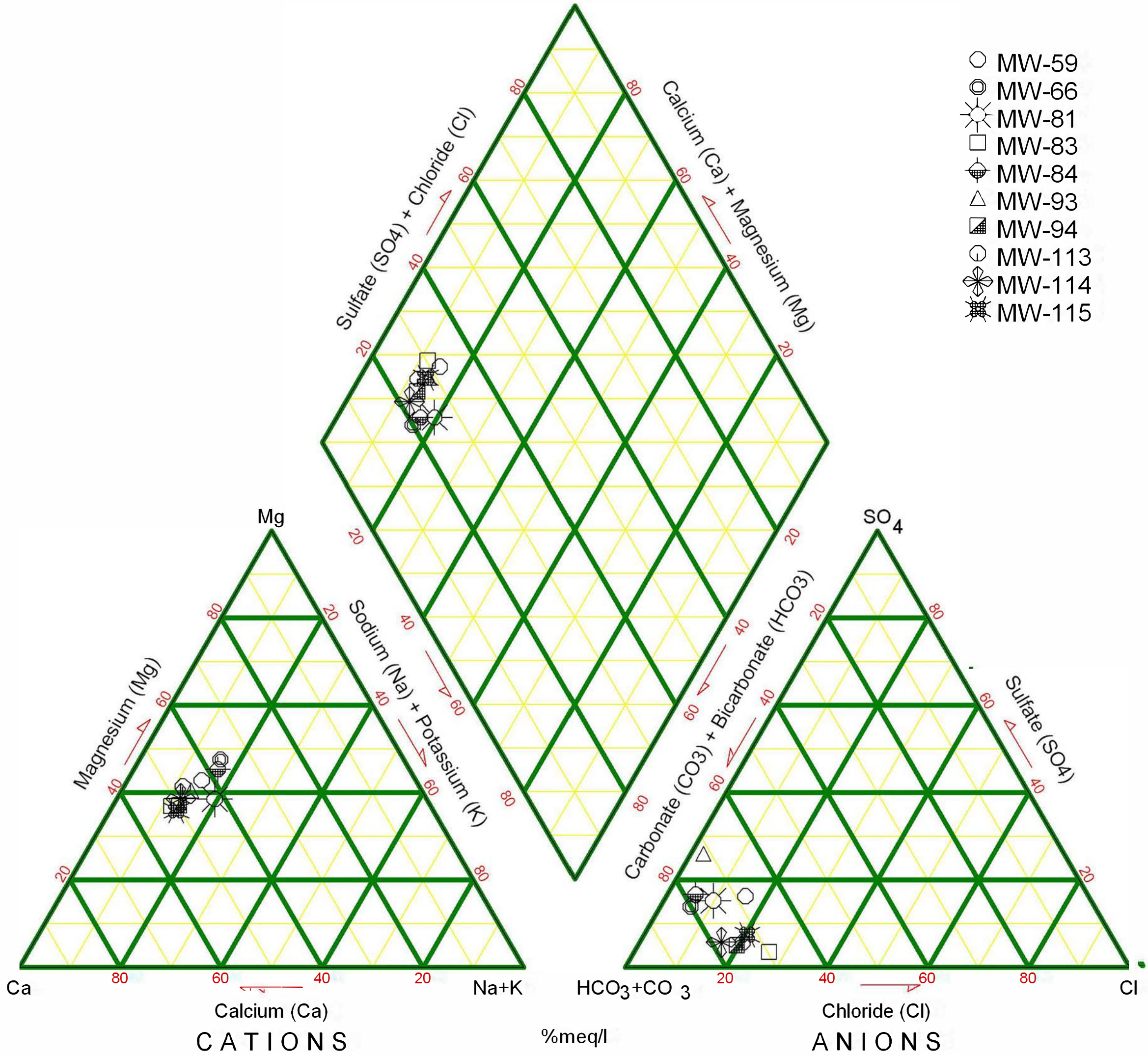

Figure 6. Trilinear Diagram Downgradient Regional Wells

Cedar Hills Regional Landfill

Third Quarter 2020

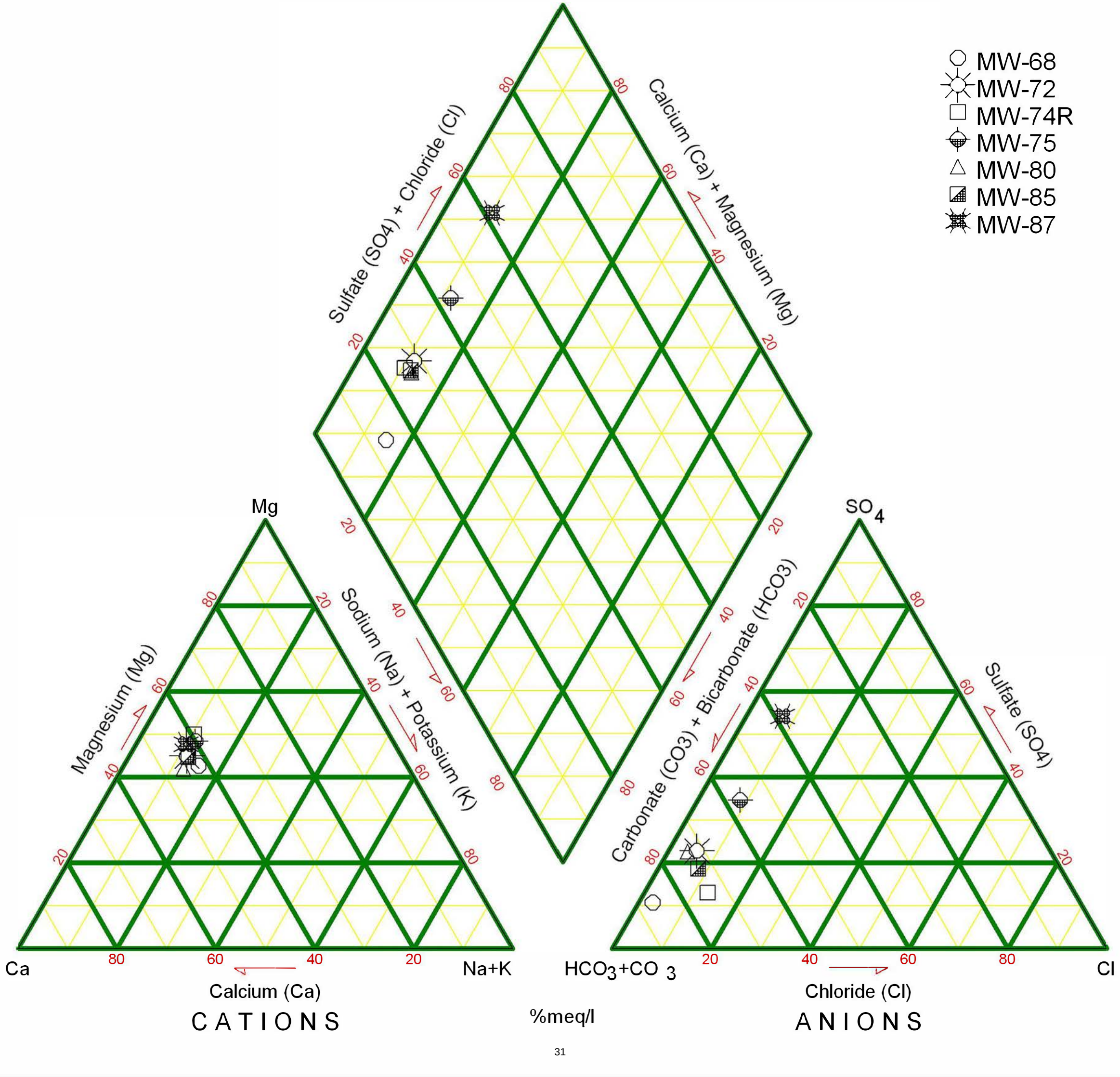

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TABLE 5
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES AND RESULTS
(Data Collected from July 1, 2020 to September 30, 2020)

Parameter		Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	*cis*-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	*ug/L*	ug/L	ug/L
Upgradient and Crossgradient Wells																					
MW-59	Limit	0.001	0.001	0.0055	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.00748	0.29	1.37	0.2	0.45	0.02
	Result	< 0.0003	0.000417	0.0042	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.000156	< 0.0005	< 0.00004	< 0.0001	0.000116	0.000935	< 0.01	1.22	< 0.1	< 0.1	< 0.01
MW-66	Limit	0.001	0.001	0.0065	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.861	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000655	0.00452	< 0.0001	< 0.00005	0.000201	< 0.00005	< 0.0002	< 0.0001	0.000178	0.00091	< 0.00004	< 0.0001	0.000759	0.000743	0.443	< 0.1	< 0.1	< 0.1	< 0.01
MW-81	Limit	0.001	0.001	0.0049	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.00253	0.00895	1.731459782	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000514	0.00347	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.000163	0.000822	< 0.00004	< 0.0001	0.00185	< 0.0005	1.46	< 0.1	< 0.1	< 0.1	< 0.01
MW-83	Limit	0.001	0.001	0.0115	0.001	0.002	0.005	0.003	0.00601	0.001	0.01	0.001	0.003	0.001	0.002	0.004	4.68	0.2	0.2	2.87	0.02
	Result	< 0.0003	0.000364	0.00935	< 0.0001	< 0.00005	0.000326	0.000237	0.00317	< 0.0001	0.00165	< 0.0005	< 0.00004	< 0.0001	0.000939	< 0.0005	1.24	< 0.1	< 0.1	2.2	< 0.01
MW-84	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	0.004	0.680	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000307	**0.00471**	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.000496	0.000636	< 0.00004	< 0.0001	0.000596	0.000526	0.123	< 0.1	< 0.1	< 0.1	< 0.01
MW-93	Limit	0.001	0.001430965	0.0095	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00231	0.0112	0.18	0.2	0.2	0.2	0.02
	Result	< 0.0003	**0.00144**	**0.0108**	< 0.0001	9.82E-05	0.000352	0.000141	0.001	0.000357	0.000479	< 0.0005	< 0.00004	< 0.0001	**0.00265**	0.00691	0.025	< 0.1	< 0.1	< 0.1	< 0.01
MW-94	Limit	0.001	0.001	0.0054	0.001	0.002	0.005	0.003	0.0051	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.72	0.2	0.2	3.81	0.02
	Result	< 0.0003	0.000127	0.0022	< 0.0001	< 0.00005	0.000525	0.000105	0.00114	< 0.0001	0.000716	< 0.0005	< 0.00004	< 0.0001	0.0013	< 0.0005	0.515	< 0.1	< 0.1	1.89	< 0.01
Downgradient Wells																					
MW-68	Limit	0.001	0.499	0.0191	0.001	0.002	0.005	0.003	0.0072851	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	0.033	0.0109	< 0.0001	< 0.00005	0.0002	0.000227	0.000942	< 0.0001	0.00046	< 0.0005	< 0.00004	< 0.0001	0.000669	0.000505	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-69*	Limit	0.001	0.004	0.0142	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-72	Limit	0.001	0.001	0.0162	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.0257499	0.15	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00013	0.0134	< 0.0001	< 0.00005	0.000283	< 0.00005	< 0.0002	< 0.0001	0.00014	< 0.0005	< 0.00004	< 0.0001	9.70E-05	0.000822	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-74R	Limit	0.001	0.001	0.0166	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.487	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000392	0.0133	< 0.0001	< 0.00005	0.000254	< 0.00005	0.000247	< 0.0001	0.00099	0.00061	< 0.00004	< 0.0001	0.000721	0.000726	0.239	< 0.1	< 0.1	< 0.1	< 0.01
MW-75	Limit	0.001	0.001	0.0134	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.05	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00046	0.0133	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.0001	< 0.0005	< 0.00004	< 0.0001	0.000181	0.0005	< 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	0.00381	0.0141	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.00015	< 0.0005	< 0.00004	< 0.0001	8.23E-05	0.00179	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-85	Limit	0.001	0.001	0.0072	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00132	0.003	0.001	0.002	0.004	1.630	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000689	0.00699	< 0.0001	< 0.00005	0.0002	< 0.00005	< 0.0002	< 0.0001	0.000212	0.00082	< 0.00004	< 0.0001	0.00104	0.0005	0.094	< 0.1	< 0.1	< 0.1	< 0.01
MW-87	Limit	0.001	0.059	0.0392	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.005	0.004	0.0803	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000686	0.0267	< 0.0001	8.96E-05	0.0002	0.000129	0.000715	< 0.0001	0.000302	< 0.0005	< 0.00004	< 0.0001	0.000161	**0.00492**	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

NOTE:
Results greater than Limit Value in **RED Bold**
* MW-69 - No sample collected; well was damaged.

TABLE 6

CEDAR HILLS REGIONAL LANDFILL

REGIONAL AQUIFER VOLATILE ORGANIC COMPOUND DETECTIONS

(Data Collected from July 1, 2020 through September 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Upgradient and Crossgradient Wells				
Acetone	MW-94	7/7/2020	W94-200707-	3.64
	MW-83	7/7/2020	W83-200707-	2.57
	MW-59	7/8/2020	W59-200708-	2.82
	MW-93	7/9/2020	W93-200709-	3.11
	MW-113	7/9/2020	W113200709-	3.58
Carbon Disulfide	MW-113	7/9/2020	W113200709-	0.256
cis-1,2,-Dichloroethene	MW-59	7/8/2020	W59-200708-	1.22
M & P Xylene	MW-115	7/8/2020	W115200708-	0.23
Trichloroethene	MW-114	7/9/2020	W114200709-	9.97
	MW-115	7/8/2020	W115200708-	4.93
	MW-83	7/7/2020	W83-200707-	2.2
	MW-94	7/7/2020	W94-200707-	1.89
Downgradient Wells				
No VOA detections in Downgradient Wells				

TABLE 7
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from July 1, 2020 through September 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-102	7/13/2020	W102200713-	6.48
		MW-102	7/29/2020	W102200729-	6.02
		MW-107	7/20/2020	W107200720-	5.48
		MW-108	7/21/2020	W108200721-	6.14
		MW-110	7/20/2020	W110200720-	6.22
		MW-111	7/20/2020	W111200720-	5.4
		MW-62	7/8/2020	W62-200708-	6.17
		MW-EB6	7/22/2020	WEB6200722-	6.23
1,1-Dichloroethane	µg/L	MW-30A	7/20/2020	W30A200720-	1.73
Arsenic, Total	mg/L	MW-102	7/13/2020	W102200713-	0.000313
		MW-103	7/21/2020	W103200721-	0.00555
		MW-104	7/21/2020	W104200721-	0.000997
		MW-107	7/20/2020	W107200720-	0.00103
		MW-108	7/21/2020	W108200721-	0.00171
		MW-109	7/21/2020	W109200721-	0.028
		MW-110	7/20/2020	W110200720-	0.00948
		MW-111	7/20/2020	W111200720-	0.00121
		MW-112	7/20/2020	W112200720-	0.00366
		MW-30A	7/20/2020	W30A200720-	0.000505
		MW-47	7/13/2020	W47-200713-	0.00117
		MW-50	7/13/2020	W50-200713-	0.00469
		MW-62	7/8/2020	W62-200708-	0.000151
		MW-EB6	7/22/2020	WEB6200722-	0.00413
Chromium	mg/L	MW-109	7/21/2020	W109200721-	0.0522
Iron, Dissolved	mg/L	MW-107	7/20/2020	W107200720-	0.595
		MW-109	7/21/2020	W109200721-	7.03
		MW-110	7/20/2020	W110200720-	1.25
		MW-47	7/13/2020	W47-200713-	1.28
Manganese, Dissolved	mg/L	MW-107	7/20/2020	W107200720-	1.31 D
		MW-109	7/21/2020	W109200721-	1.04 D
		MW-110	7/20/2020	W110200720-	4.52 D
		MW-112	7/20/2020	W112200720-	0.272 D
		MW-47	7/13/2020	W47-200713-	1.01
Sodium	mg/l	MW-104	7/21/2020	W104200721-	23.7
		MW-108	7/21/2020	W108200721-	21.8
		MW-109	7/21/2020	W109200721-	644 D
		MW-110	7/20/2020	W110200720-	60.5
Vinyl Chloride	µg/L	MW-107	7/20/2020	W107200720-	0.0441
		MW-109	7/21/2020	W109200721-	0.244
		MW-110	7/20/2020	W110200720-	0.21
		MW-47	7/13/2020	W47-200713-	5.68
South Solid Waste Area Perched Wells					
Arsenic, Total	mg/L	MW-101	7/13/2020	W101200713-	0.0111
Iron, Dissolved	mg/L	MW-101	7/13/2020	W101200713-	0.783
Manganese, Dissolved	mg/L	MW-101	7/13/2020	W101200713-	1.15
Vinyl Chloride	µg/L	MW-101	7/13/2020	W101200713-	0.067

See Data Qualifier List for Qualifier Information.
Exceedance Criteria: WAC 173-200-040 - Water Quality Standards for Groundwaters of the State of Washington

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Figure 7. Trilinear Diagram East Area Perched Zone Wells

Cedar Hills Regional Landfill

Third Quarter 2020

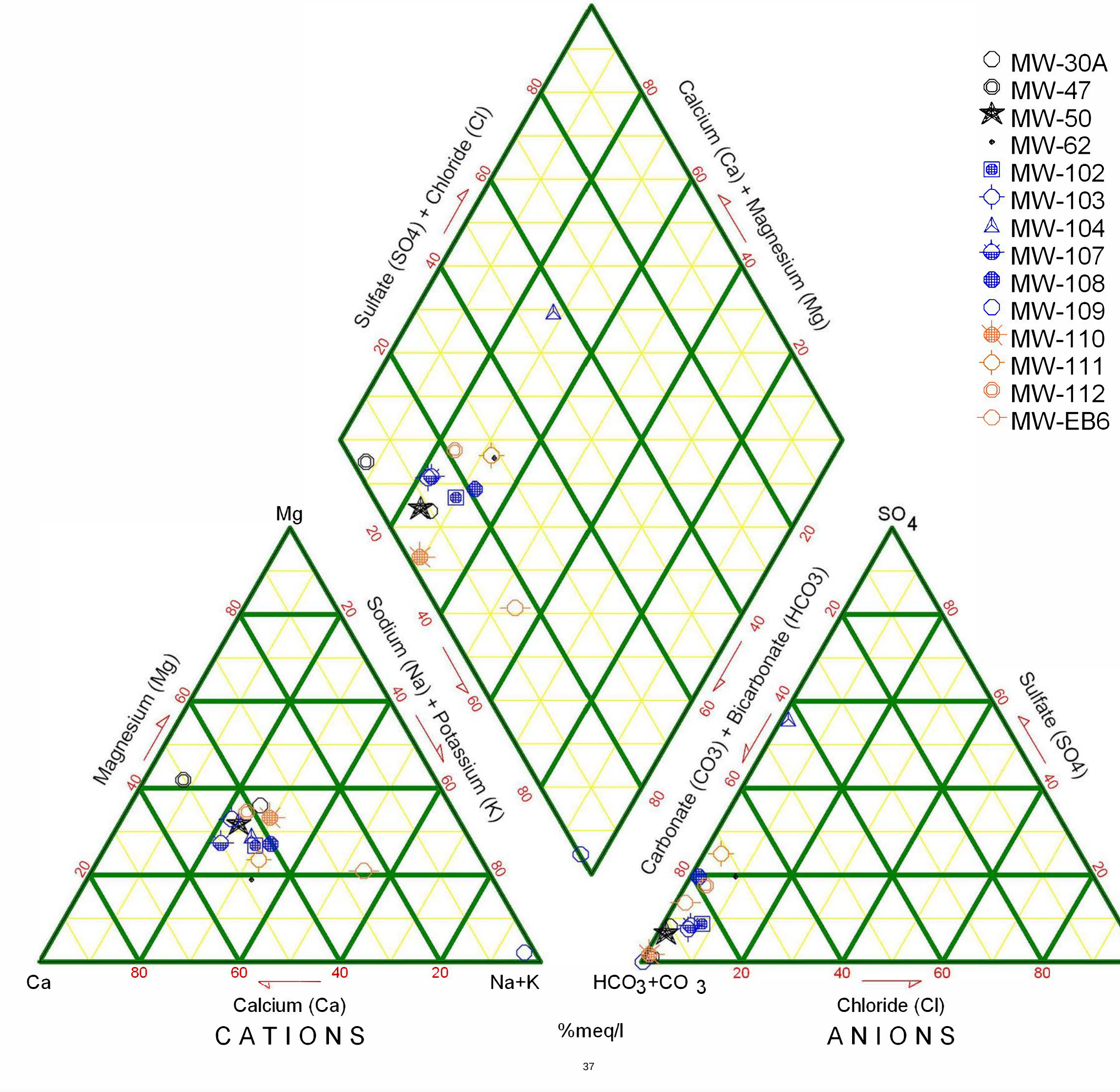

Figure 8. Trilinear Diagram SSW Area Perched Zone Wells

Cedar Hills Regional Landfill

Third Quarter 2020

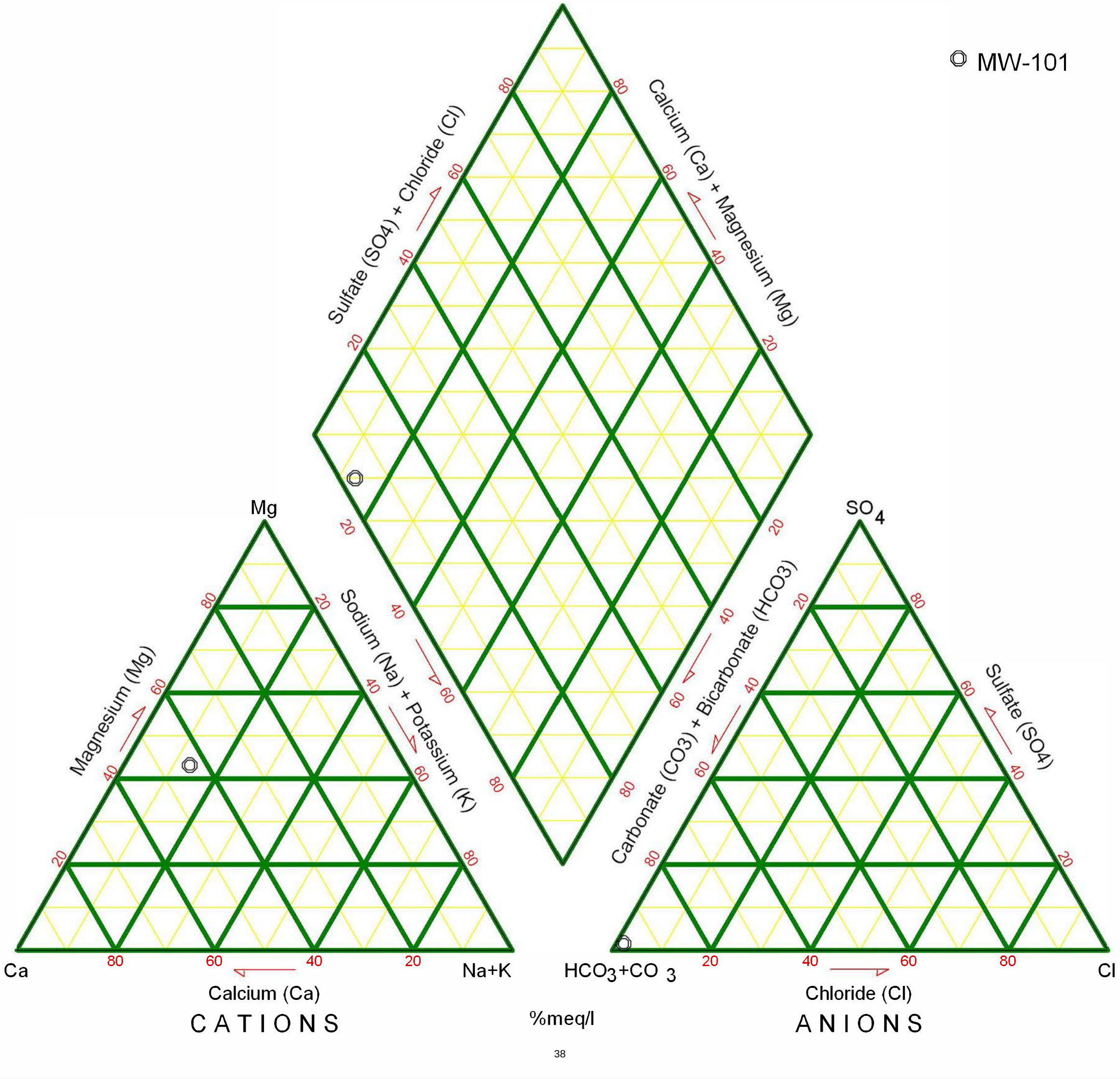

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Table 8
Ion Balance Calculations
Cedar Hills Regional Landfill
Perched Zones Groundwater Monitoring Wells

Data Collected from July 1, 2020 to September 30, 2020

			East Perched Zone											
		Site ID	MW-30A			MW-47			MW-50			MW-62		
		Date	7/20/20			7/13/20			7/13/20			7/8/20		
Cations	**Molecular Weight**	**n**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**
pH			7.8			6.9			7.4			6.2		
Conductance			275			978			328			150		
TDSobs			195			635			221			117		
Calcium	40.1	2	19.9	0.99	37.8	118.0	5.89	49.9	31.5	1.57	44.4	13.6	0.68	48.1
Magnesium	24.3	2	11.5	0.95	36.1	59.7	4.91	41.7	13.6	1.12	31.6	3.3	0.27	19.0
Potassium	39.1	1	1.4	0.036	1.36	5.0	0.13	1.09	6.26	0.16	4.52	0.75	0.019	1.36
Sodium	23.0	1	14.9	0.65	24.7	17.9	0.78	6.6	15.8	0.69	19.4	10.2	0.44	31.5
Iron	55.8	2	0.010	0.0003581	0.0136	1.3	0.05	0.4	0.0	0.00	0.0	0.010	0.0004	0.025
Manganese	54.9	2	0.00014	5.133E-06	0.00020	1.0	0.04	0.3	0.0	0.00	0.0	0.0012	4.369E-05	0.0031
Ammonia-N	14.0	1	0.0030	0.0002142	0.0082	0.030	0.002	0.018	0.002	0.000	0.004	0.0052	0.0003712	0.026
Total Cations (meq/L)				**2.62**			**11.79**			**3.54**			**1.41**	
Anions														
Alkalinity, Total			75.2			541			154			43.3		
Carbonate	60.0	2	0.290	0.0096712	0.408	0.28	0.0092234	0.08	0.22	0.0072205	0.22	0.004	0.0001284	0.009
Bicarbonate	61.0	1	91.15	1.49	63.0	659.5	10.8	97.3	187.4	3.1	91.5	52.82	0.87	62.9
Chloride	35.5	1	0.9	0.027	1.1	5.3	0.1	1.34	1.98	0.1	1.66	3.82	0.108	7.83
Nitrate-N	14.0	1	9.9	0.71	29.8	0.010	0.0007139	0.006	0.074	0.0052831	0.157	2.29	0.16	11.9
Sulfate	96.1	2	6.5	0.14	5.7	6.9	0.143	1.29	10.40	0.217	6.45	11.50	0.24	17.4
Total Anions (meq/L)				**2.37**			**11.11**			**3.36**			**1.38**	
Total Ions (meq/L)				**5.0**			**22.9**			**6.9**			**2.8**	
Cation/Anion Ratio				**1.11**			**1.06**			**1.05**			**1.02**	
Percent Difference				**5.0**			**3.0**			**2.6**			**1.2**	
Trilinear Diagram Data														
sum (Ca, Mg, Na+K)				2.62			11.71			3.54			1.41	
Calcium					37.9			50.3			44.4			48.14
Magnesium					36.1			42.0			31.6			19.03
Sodium + Potassium					26.1			7.7			23.9			32.83
sum (SO_4, Cl, HCO_3+CO_3)				1.67			11.11			3.35			1.21	
Sulfate					8.2			1.3			6.5			19.7
Chloride					1.6			1.3			1.7			8.9
Bicarbonate + Carbonate					90.2			97.4			91.9			71.4

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

Data Collected from July 1, 2020 to September 30, 2020

			East Perched Zone													
	Site ID		MW-EB6			MW-102			MW-103			MW-104			MW-107		
	Date		7/22/2020			7/13/2020			7/21/2020			7/21/2020			7/20/2020		
Cations	**Molecular Weight**	**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)**
pH			6.2			6.5			7.8			7.1			5.5		
Conductance			85			168			275			394			166		
TDSobs			81			133			181			278			118		
Calcium	40.1	2	5.0	0.2470	24.5	13.9	0.69361	43.4	27.4	1.37	45.2	34.1	1.70	43.1	17.5	0.873	47.0
Magnesium	24.3	2	2.5	0.2090	20.7	5.2	0.42790	26.8	12.1	1.00	32.9	14.0	1.15	29.2	5.8	0.479	25.8
Potassium	39.1	1	0.9	0.0226	2.2	1.0	0.02634	1.6	3.0	0.08	2.49	3.7	0.09	2.39	2.4	0.061	3.3
Sodium	23.0	1	11.9	0.5176	51.3	10.3	0.44803	28.1	13.5	0.59	19.4	23.0	1.00	25.3	7.6	0.332	17.9
Iron	55.8	2	0.2	0.0072	0.7	0.020	0.00073	0.046	0.010	0.00	0.0	0.010	0.00	0.0	0.60	0.021	1.15
Manganese	54.9	2	0.02	0.0009	0.1	0.002	0.00006	0.004	0.034	0.00	0.0	0.005	0.00	0.0	1.31	0.048	2.57
Ammonia-N	14.0	1	0.1	0.0045	0.5	0.002	0.00014	0.009	0.002	0.000	0.005	0.004	0.000	0.008	0.63	0.045	2.43
Total Cations (meq/L)				**1.0**			**1.6**			**3.03**			**3.95**			**1.9**	
Anions																	
Alkalinity, Total			38.7			63.9			119			77.4			66.7		
Carbonate	60.0	2	0.0040	0.0001	0.0	0.0116	0.0004	0.02	0.46	0.015304	0.56	0.06	0.002139	0.06	0.001	0.000	0.0
Bicarbonate	61.0	1	47.21	0.774	84.3	77.93	1.2774	78.7	144.2	2.4	86.2	94.3	1.5	42.6	81.37	1.334	85.9
Chloride	35.5	1	0.6	0.018	1.9	4.2	0.1182	7.3	5.4	0.2	5.53	1.6	0.0	1.24	3.1	0.087	5.6
Nitrate-N	14.0	1	0.0	0.001	0.1	1.3	0.0935	5.8	0.0	0.002427	0.089	0.0	0.002927	0.081	0.0	0.001	0.1
Sulfate	96.1	2	6.0	0.125	13.7	6.5	0.1343	8.3	10.0	0.208	7.59	97.6	2.032	56.01	6.3	0.131	8.4
Total Anions (meq/L)				**0.9**			**1.6**			**2.74**			**3.63**			**1.6**	
Total Ions (meq/L)				**1.9**			**3.2**			**5.8**			**7.6**			**3.4**	
Cation/Anion Ratio				**1.10**			**0.98**			**1.10**			**1.09**			**1.20**	
Percent Difference				**4.7**			**-0.8**			**4.9**			**4.2**			**9.0**	
Trilinear Diagram Data																	
sum (Ca, Mg, Na+K)				1.00			1.60			3.03			3.95			1.74	
Calcium					24.79			43.46			45.2			43.1			50.05
Magnesium					20.98			26.81			32.9			29.2			27.45
Sodium + Potassium					54.23			29.72			21.9			27.7			22.51
sum (SO_4, Cl, HCO_3+CO_3)				0.92			1.53			2.74			3.63			1.55	
Sulfate					13.7			8.8			7.6			56.1			8.4
Chloride					1.9			7.7			5.5			1.2			5.6
Bicarbonate + Carbonate					84.4			83.5			86.9			42.7			86.0

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

Data Collected from July 1, 2020 to September 30, 2020

			East Perched Zone														SSWA		
	Site ID		MW-108			MW-109			MW-110			MW-111			MW-112			MW-101		
	Date		7/21/2020			7/21/2020			7/20/2020			7/20/2020			7/20/2020			7/13/2020		
Cations	**Molecular Weight**	**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)**
pH			6.1			7.0			6.2			5.4			7.8			6.9		
Conductance			249			2110			771			76			275			412		
TDSobs			201			1820			491			79			197			305		
Calcium	40.1	2	24.9	1.24251	40.2	13.1	0.65	2.1	71.2	3.553	36.5	7.1	0.3548	44.4	26.6	1.327	41.1	50.1	2.500	42.9
Magnesium	24.3	2	10.2	0.83933	27.2	8.0	0.66	2.2	38.4	3.160	32.5	2.3	0.1884	23.6	13.5	1.111	34.4	30.2	2.485	42.7
Potassium	39.1	1	1.6	0.03990	1.3	1.8	0.05	0.2	3.2	0.083	0.9	0.4	0.0091	1.1	2.9	0.074	2.3	2.6	0.068	1.2
Sodium	23.0	1	22.2	0.96565	31.3	662.0	28.80	94.5	62.3	2.710	27.9	5.7	0.2466	30.8	16.1	0.700	21.7	16.1	0.700	12.0
Iron	55.8	2	0.010	0.00036	0.012	7.0	0.25	0.8	1.3	0.045	0.5	0.010	0.0004	0.04	0.03	0.001	0.03	0.78	0.028	0.48
Manganese	54.9	2	0.000	0.00002	0.001	1.0	0.04	0.1	4.5	0.165	1.7	0.004	0.0002	0.02	0.27	0.010	0.31	1.15	0.042	0.72
Ammonia-N	14.0	1	0.002	0.00016	0.005	0.3	0.02	0.1	0.1	0.007	0.1	0.004	0.0002	0.03	0.04	0.003	0.09	0.01	0.001	0.02
Total Cations (meq/L)				**3.1**			**30.5**			**9.7**			**0.8**			**3.2**			**5.8**	
Anions																				
Alkalinity, Total			97.8			1300			397			22.9			114			236		
Carbonate	60.0	2	0.008	0.000	0.01	0.746	0.025	0.1	0.040	0.0013	0.0	0.0003	0.00001	0.0	0.440	0.015	0.5	0.124	0.004	0.1
Bicarbonate	61.0	1	119.30	1.955	77.3	1584.48	25.971	99.6	484.26	7.9375	97.5	27.94	0.4579	68.3	138.19	2.265	77.8	287.67	4.715	96.7
Chloride	35.5	1	1.5	0.041	1.6	2.2	0.061	0.2	2.0	0.0567	0.7	0.8	0.0219	3.3	4.1	0.116	4.0	2.6	0.074	1.5
Nitrate-N	14.0	1	0.6	0.046	1.8	0.1	0.004	0.01	0.01	0.0007	0.01	0.4	0.0315	4.7	0.0	0.001	0.0	0.0	0.001	0.0
Sulfate	96.1	2	23.4	0.487	19.3	0.3	0.007	0.03	6.8	0.1420	1.7	7.7	0.1595	23.8	24.7	0.514	17.7	3.9	0.081	1.7
Total Anions (meq/L)				**2.5**			**26.1**			**8.1**			**0.7**			**2.9**			**4.9**	
Total Ions (meq/L)				**5.6**			**56.5**			**17.9**			**1.5**			**6.1**			**10.7**	
Cation/Anion Ratio				**1.22**			**1.17**			**1.19**			**1.19**			**1.11**			**1.19**	
Percent Difference				**9.9**			**7.8**			**8.9**			**8.8**			**5.1**			**8.9**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				3.09			30.16			9.51			0.80			3.21			5.75	
Calcium					40.24			2.17			37.38			44.40			41.32			43.46
Magnesium					27.19			2.19			33.24			23.58			34.58			43.20
Sodium + Potassium					32.57			95.64			29.38			32.01			24.09			13.35
sum (SO_4, Cl, HCO_3+CO_3)				2.48			26.06			8.14			0.64			2.91			4.87	
Sulfate					19.6			0.0			1.7			24.9			17.7			1.7
Chloride					1.6			0.2			0.7			3.4			4.0			1.5
Bicarbonate + Carbonate					78.7			99.7			97.6			71.6			78.3			96.8

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TABLE 9
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
SMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALES
(Data Collected from July 1, 2020 - September 30, 2020)

Well	Parameter / nits	Total Antimony mg/L	Total Arsenic mg/L	Total Barium mg/L	Total Beryllium mg/L	Total Cadmium mg/L	Total Chromium mg/L	Total Cobalt mg/L	Total Copper mg/L	Total Lead mg/L	Total Nickel mg/L	Total Selenium mg/L	Total Silver mg/L	Total Thallium mg/L	Total Vanadium mg/L	Total Zinc mg/L	Nitrate as N mg/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	*cis* -1,2-Dichloroethene *ug/L*	*trans* -1,2-Dichloroethene ug/L	Trichloroethene ug/L	Vinyl Chloride ug/L
East Perched Zone Wells																								
MW-30A	Limit	0.001	0.001	0.0071	0.001	0.002	0.005	0.003	0.0103	0.001	0.01	0.001	0.003	0.001	0.00331	0.0188	17	4.56	2.00	0.20	9.46	0.20	1.55	0.03
	Result	0.0003	0.000505	0.00363	0.0001	0.00005	0.000621	0.00005	0.00041	0.0001	0.000743	0.0005	0.00004	0.0001	0.00228	0.000904	9.89	1.73	<0.1	<0.1	2.02	<0.1	0.839	0.01
MW-47	Limit	0.001	0.0113	0.0464	0.001	0.002	0.005	0.003	0.0105	0.00143	0.01	0.001	0.003	0.001	0.00307	0.168	0.05	1.02	2.00	0.44	6.64	0.41	0.23	8.46
	Result	0.0003	0.00117	0.0348	0.0001	0.00005	0.0002	0.000306	0.0002	0.0001	0.0013	0.0005	0.00004	0.0001	0.000231	0.0005	0.01	0.553	<0.1	<0.1	1.3	<0.1	0.10	5.68
MW-62	Limit	0.001	0.001	0.0036	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00212	0.004	7.970285	10.76	0.20	0.20	16.21	0.21	0.47	0.02
	Result	0.0003	0.000151	0.00228	0.0001	0.00005	0.000341	8.84E-05	0.0006	0.0001	0.000726	0.0005	0.00004	0.0001	0.000704	0.00164	2.29	<0.1	<0.1	<0.1	0.1	<0.1	0.1	0.01
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.014	0.0353	0.001	0.002	0.005	0.003	0.00416	0.00109	0.01	0.001	0.003	0.001	0.0039	0.00729	0.062	0.21	0.20	0.23	0.28	0.20	0.20	0.91
	Result	0.0003	0.0111	0.0197	0.0001	0.00005	0.00111	0.000276	0.000359	0.0001	0.00372	0.0005	0.00004	0.0001	0.000479	0.00124	0.014	<0.1	<0.1	<0.1	0.104	<0.1	0.10	0.067

NOTE:

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

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TABLE 10
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from July 1, 2020 through September 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-47	7/13/2020	W47-200713-	0.553
	MW-30A	7/20/2020	W30A200720-	1.73
	MW-110	7/20/2020	W110200720-	0.241
1, 2-Dichlorobenzene	MW-110	7/20/2020	W110200720-	1.35
1,2-Dichloroethane	MW-110	7/20/2020	W110200720-	0.235
1,2-Dichloropropane	MW-110	7/20/2020	W110200720-	0.193 JT
1,4-Dichlorobenzene	MW-107	7/20/2020	W107200720-	0.359
	MW-110	7/20/2020	W110200720-	0.277
Acetone	MW-102	7/13/2020	W102200713-	4.21 JT
	MW-110	7/20/2020	W110200720-	3.73 JT
	MW-47	7/13/2020	W47-200713-	3.08 JT
	MW-50	7/13/2020	W50-200713-	2.98 JT
Acrylonitrile	MW-62	7/8/2020	W62-200708-	0.0681 BDJT
Benzene	MW-110	7/20/2020	W110200720-	0.508
Carbon Disulfide	MW-110	7/20/2020	W110200720-	0.136 JT
Chlorobenzene	MW-107	7/20/2020	W107200720-	0.197 JT
	MW-110	7/20/2020	W110200720-	1.44
Chloroethane	MW-47	7/13/2020	W47-200713-	0.235
	MW-110	7/20/2020	W110200720-	0.206
Chloromethane	MW-47	7/13/2020	W47-200713-	0.265 JT
cis-1,2,-Dichloroethene	MW-102	7/13/2020	W102200713-	0.109 JT
	MW-110	7/20/2020	W110200720-	4.13
	MW-111	7/20/2020	W111200720-	0.126 JT
	MW-30A	7/20/2020	W30A200720-	2.02
	MW-47	7/13/2020	W47-200713-	1.3
Dichlorodifluoromethane	MW-47	7/13/2020	W47-200713-	5.88
	MW-107	7/20/2020	W107200720-	0.151 JT
Tetrachloroethene	MW-30A	7/20/2020	W30A200720-	0.115 JT
Toluene	MW-109	7/21/2020	W109200721-	8.14
Trans-1,2-Dichloroethene	MW-110	7/20/2020	W110200720-	0.303
Trichloroethene	MW-30A	7/20/2020	W30A200720-	0.839
	MW-110	7/20/2020	W110200720-	0.115 JT
	MW-111	7/20/2020	W111200720-	0.107 JT
Vinyl Chloride	MW-47	7/13/2020	W47-200713-	5.68
	MW-107	7/20/2020	W107200720-	0.0441
	MW-110	7/20/2020	W110200720-	0.21
	MW-109	7/21/2020	W109200721-	0.244
South Solid Waste Area Perched Wells				
cis-1,2,-Dichloroethene	MW-101	7/13/2020	W101200713-	0.104 JT
Vinyl Chloride	MW-101	7/13/2020	W101200713-	0.067

See Data Qualifier List for Qualifier Information.

TABLE 11
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from July 1, 2020 through September 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
2-Butanone	FIELD BLANK	07/13/20	W47-200713F	0.477 JT
Acrylonitrile	FIELD BLANK	07/13/20	W47-200713F	0.0978 BD
Chloroform	FIELD BLANK	07/13/20	W47-200713F	2.45
Toluene	FIELD BLANK	07/13/20	W47-200713F	0.199 JT

See Data Qualifier List for Qualifier Information.

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
1,1-Dichloroethane	VOA TRIP BLANK	07/07/20	VTRP200709Y	0.402
Acetone	VOA TRIP BLANK	07/07/20	VTRP200708Z	3.36 JT
Cis-1,2-Dichloroethene	VOA TRIP BLANK	07/07/20	VTRP200709Y	0.742

See Data Qualifier List for Qualifier Information.

Table 12

CEDAR HILLS REGIONAL LANDFILL

STORM AND SURFACE WATER MONITORING ACTIVITIES 3rd QUARTER 2020

Station ID	Date	Planned Acitvity	Sample ID	Comment
SW-GS1	7/1/2020	NPDES Permit Sample	SGS1200701P	
SW-GS1	9/24/2020	NPDES Permit Sample	SGS1200924P	
SW-N4	7/1/2020	NPDES Permit Sample	SN4-200701P	
SW-SL3	9/23/2020	NPDES Permit Sample	SSL3200923P	
SW-TD1	--	Area 5 Top Deck Monitoring	--	No flow - no sample taken.
SW-E1	--	East Perched Zone SW Monitoring	--	No flow - no sample taken.
Stream Gauges	7/6/2020	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	8/13/2020	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	9/23/2020	Monthly Stream Gauge Level Measurement	--	

TABLE 13
CEDAR HILLS REGIONAL LANDFILL.
STORMWATER PERMIT BENCHMARKS AND EFFLUENT LIMITS

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)

CONSTRUCTION STORMWATER GENERAL PERMIT
BENCHMARKS

Parameter	Units	Minimum Sampling Frequency	Benchmark
Turbidity	NTU	Weekly	25

TABLE 14
CEDAR HILLS REGIONAL LANDFILL
STORMWATER PERMIT CRITERIA EXCEEDANCES
(Data Collected from July 1, 2020 - September 30, 2020)

SUMMARY OF ISGP* EXCEEDANCES

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

*ISGP - Industrial General Stormwater Permit

SUMMARY OF CSWGP* EXCEEDANCES

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

*CSWGP - Construction Stormwater General Permit

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Table 15

Water Quality Standards for Groundwaters of the State of Washington

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

Table 15
Water Quality Standards for Groundwaters of the State of Washington

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
Azobenzene	103-33-3	0.7	ug/L
Benzene	71-43-2	1	ug/L

Table 15

Water Quality Standards for Groundwaters of the State of Washington

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 sufate	302-01-2/10034-93-2	0.03	ug/L
Lindane	58-89-9	0.06	ug/L
Methylene Chloride	75-09-2	5	ug/L
Mirex	2385-85-5	0.05	ug/L
Nitrofurazone	59-87-0	0.06	ug/L
N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
N-Nitrosodimethylamine	62-75-9	0.002	ug/L
N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
N-Nitrosodiphenylamine	86-30-6	17	ug/L
N-Nitroso-N-methylethylylamine	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	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 16
CEDAR HILLS REGIONAL LANDFILL
LAB DATA REVIEW - SUSPECT DATA
(Data Collected from July 01, 2020 - September 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	**Cause of Unuseability**
Acrylonitrile	ug/L	MW-62	7/13/2020	WG170600-1	0.277	Method blank contamination
Acrylonitrile	ug/L	MW-62	7/22/2020	WG170750-1	0.0806	Method blank contamination
Alkalinity, Bicarbonate	mg/l	MW-47	7/13/2020	W47-200713-	541	Field blank Contamination
Alkalinity, total (As CaCo3)	mg/l	MW-47	7/13/2020	W47-200713-	541	Field blank Contamination
Ammonia as N	mg/l	MW-47	7/13/2020	W47-200713-	0.0298	Field blank Contamination
Chloride	mg/l	MW-47	7/13/2020	W47-200713-	5.26	Field blank Contamination
D8-Toluene	ug/l	MW-47	7/13/2020	W47-200713-	9.88	Field blank Contamination
BromoluroBenzene	ug/l	MW-47	7/13/2020	W47-200713-	10.1	Field blank Contamination
BromoluroBenzene	ug/l	MW-107	7/20/2020	W107200720-	9.98	Voa Trip blank contamination
BromoluroBenzene	ug/l	MW-108	7/21/2020	W108200721-	10.4	Voa Trip blank contamination
BromoluroBenzene	ug/l	MW-112	7/20/2020	W112200720-	9.95	Voa Trip blank contamination
BromoluroBenzene	ug/l	MW-80	7/20/2020	W80-200720-	9.88	Voa Trip blank contamination
BromoluroBenzene	ug/l	MW-83	7/7/2020	W83-200707-	9.84	Voa Trip blank contamination
BromoluroBenzene	ug/l	MW-94	7/7/2020	W94-200707-	9.96	Voa Trip blank contamination

APPENDIX A

Potentiometric Surface Maps and Aquifer Flow Calculations

King County

Water and Land Resources Division

Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 704
Seattle, WA 98104-3855

206-477-4800 Fax 206-296-0192
TTY Relay: 711

TECHNICAL MEMORANDUM

October 27, 2020

TO: Subrina Tahsin, Engineer II, Facility Engineering and Science 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
Third Quarter 2020 Results
Cedar Hills Regional Landfill, King County, Washington
Project No. 1126980 – Task 25.106

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the third quarter of 2020 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations* (WLRD, 2020). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on July 2, 2020. These measurements were received by WLRD on September 4, 2020 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 regional aquifer groundwater conditions since the report submitted for the second quarter of 2020.

Groundwater Elevation Data

The SWD measured regional aquifer groundwater level measurements at 44 monitoring wells during the third quarter of 2020. These wells are completed in the regional aquifer as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater*

Velocity Calculation – Cedar Hills Landfill (Aspect, 2010) and in *Area 8 Development, Monitoring Well Replacement Report* (HDR, 2020). This recent report by HDR documents new construction of three wells, MW-113, MW-114, and MW-115, in the southern area of the Landfill.

Table A-1 lists the groundwater monitoring well identifications, locations, construction details, measured depth to groundwater levels, and calculated groundwater elevations for monitoring wells screened in the regional aquifer. A total of 26 wells had measured water levels within ten feet of the top of the screened interval and were used for mapping potentiometric surface contours.

Figure A-1 shows calculated groundwater elevations at well locations and interpreted groundwater potentiometric surface contours for the regional aquifer based on measurements taken on July 6, 2020.

Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on July 2, 2020, are shown in Figure A-1. Calculated groundwater elevations during the third quarter of 2020 indicate that groundwater in the regional aquifer generally flows to the:

- northeast and north-northeast in the *northern portion* of the Landfill,
- north and north-northwest beneath the *central portion* of the Landfill, and
- north beneath the *southern portion* of the Landfill with minor components of flow to the north-northwest and north-northeast.

Table A-2 lists the flow direction for each portion of the regional aquifer beneath the Landfill based on measurements taken on July 6, 2020 and mapping of groundwater elevation contours.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect 2010). Average effective porosities are 24 and 26 percent, respectively, for the same areas (Aspect 2010).

The hydraulic gradient is greatest under the southern portion of the Landfill (0.010 ft/ft) and slightly lower under the rest of the Landfill based on measurements made during the third quarter of 2020.

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill, are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

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

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

The mean horizontal groundwater velocities for the regional aquifer beneath the Landfill, are lowest under the southern portion of the Landfill (0.007 ft/d) and much greater under the rest of the Landfill (up to 2.33 ft/d under the central portion).

References

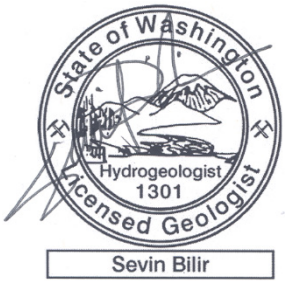
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

HDR Engineering, Inc. (HDR). 2020. Area 8 Development, Monitoring Well Replacement Report. Prepared in association with Udaloy Environmental Consulting (UEC). Cedar Hills Regional Landfill. Contract No. E00284E12. July.

King County Water and Land Resources Division (WLRD). 2020. Proposal for 2019 Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations; King County Closed Landfills (Cedar Falls, Enumclaw, Hobart and Vashon Island) and Cedar Hills Regional Landfill. February.

Thank you for the opportunity to provide hydrogeologic services to SWD. 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 A-1: Well Details and Groundwater Elevations – Third Quarter 2020

Table A-2: Groundwater Parameters – Third Quarter 2020

Figure A-1: Groundwater Potentiometric Surface Map – Third Quarter 2020 – Regional Aquifer

Table A-1: Well Details and Groundwater Elevations – Third Quarter 2020
Cedar Hills Regional Landfill
King County, Washington

							July 6, 2020	
	Well Identification	Easting[2] (ft)	Northing[2] (ft)	Top of Casing Elevation (ft MSL[3])	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Measured Depth to Water[1] (ft)	Groundwater Elevations (ft MSL)
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	226.14	341.01
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	265.40	331.15
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.29	292.99
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.19	296.24
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	332.28	314.79
	MW-69	1698061.86	172400.20	653.69	293.57	279.97	355.88	297.81
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	361.00	310.87
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	190.78	294.92
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	239.60	291.66
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	136.70	355.01
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	183.84	309.82
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	122.64	352.21
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	143.87	352.94
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	235.73	295.07
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	245.53	286.23
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.20	286.84
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	247.77	289.54
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	226.76	286.92
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.25	323.90
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	141.56	353.95
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.44	320.10
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.63	322.69
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	189.91	285.56
	MW-113[4]	1698238.80	168478.70	531.09	334.79	325.09	187.69	343.40
	MW-114[4]	1698892.70	167919.80	490.45	353.65	344.05	138.42	352.03
	MW-115[4]	1698960.70	167225.80	484.87	352.87	343.27	130.33	354.54
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	124.85	295.81
	MW-22P	1701844.34	173088.17	517.09	236.02	231.22	231.96	285.13
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	145.00	330.99
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	263.04	284.02
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	278.03	302.40
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	126.41	353.92
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	102.21	354.43
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	148.84	330.43
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	123.65	333.48
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	208.91	336.92
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	245.16	287.24
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.59	291.82
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	231.64	281.18
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	221.24	280.98
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	246.42	285.60
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.07	293.57
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	334.22	312.11
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	332.43	313.38

Notes:

1. Water level measurements made by SWD personnel.
2. Reference datum for northing and easting coordinates is the North American Datum of 1927 (NAD 27)
3. Elevations reported in feet (ft) above mean sea level (MSL) based on the National Geodetic Vertical Datum of 1929 (NGVD 29).
4. Newly constructed wells in 2020 (HDR, 2020)..

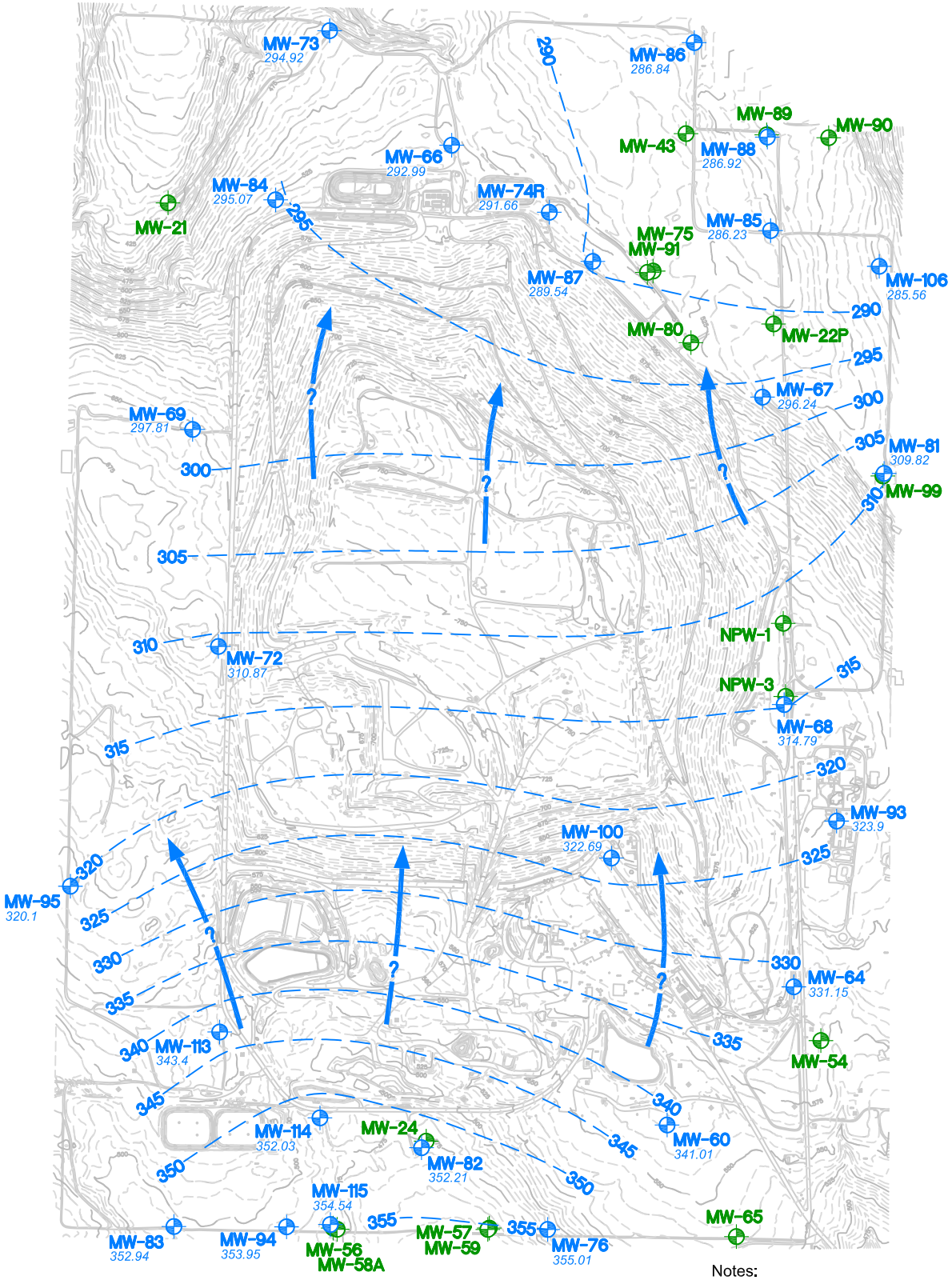
Table A-2: Groundwater Parameters – Third Quarter 2020
Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,3] (*K*) Range	(cm/s)	(ft/d)	Horizontal Hydraulic Gradient[2] (DH/DL) (ft/ft)	Effective Porosity[1] (n_{eff})	Horizontal Groundwater Velocity (*v*) (ft/d)	General Groundwater Flow Direction
Northern	Minimum	2.10E-03	6	0.008	24%	0.20	NNE, NE
	Maximum	4.20E-02	120			4.08	
	Mean	2.10E-02	60			2.04	
Central	Minimum	2.10E-03	6	0.009	24%	0.23	N, NNW
	Maximum	4.20E-02	120			4.66	
	Mean	2.10E-02	60			2.33	
Southern	Minimum	6.40E-06	0.018	0.010	26%	0.001	N, NNE, NNW
	Maximum	6.40E-04	1.8			0.073	
	Mean	6.40E-05	0.18			0.007	

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 A-1.
3. Mean hydraulic conductivity values are the geometric mean of the high and low values.

NNE, north-northeast; NNW, north-northwest; NE, northeast; N, north.



Legend

MW-X
XXX.XX
Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen.

MW-X
Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen.

300
Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.

?
Inferred Horizontal Groundwater Flow Path

0 1000 2000 Feet

Contour Interval 5 Feet

N

Notes:

1. Groundwater measurements made on July 6, 2020.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

King County

Groundwater Potentiometric Surface Map
Third Quarter 2020 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: October 2020	PROJECT NO. 1126980
DESIGNED BY: SB	
DRAWN BY: KK	FIGURE NO. A-1
REVISED BY: SB	

CH_3Q2020.dwg

APPENDIX B

Field and Analytical Test Results

Groundwater Field and Analytical Data

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Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-100	7/6/2020	620.32	297.63	322.69	
MW-101	7/6/2020	474.72	31.71	443.01	
MW-102	7/6/2020	552.48	45.61	506.87	
MW-103	7/6/2020	639.08	13.5	625.58	
MW-104	7/6/2020	629.68	24.42	605.26	
MW-105	7/6/2020	521.23	19.6	501.63	
MW-106	7/6/2020	475.47	189.91	285.56	
MW-107	7/6/2020	589.029	29.31	559.719	
MW-108	7/6/2020	612.258	16.25	596.008	
MW-109	7/6/2020	638.728	10.25	628.478	
MW-110	7/6/2020	641.742	7.34	634.403	
MW-111	7/6/2020	643.797	9.59	634.206	
MW-112	7/6/2020	638.929	11.98	626.949	
MW-113	7/6/2020	531.09	187.69	343.4	
MW-114	7/6/2020	490.45	138.42	352.03	
MW-115	7/6/2020	484.87	130.33	354.54	
MW-21	7/6/2020	420.66	124.85	295.81	
MW-22	7/6/2020	517.09	231.96	285.13	
MW-24	7/6/2020	475.99	145	330.99	
MW-25	7/6/2020	474.41	8.25	466.16	
MW-27A	7/6/2020	584.23	54.55	529.68	
MW-28	7/6/2020	527.75	28.18	499.57	
MW-29	7/6/2020	532.92	13.21	519.71	
MW-30A	7/6/2020	568.43	28.02	540.41	WATER IN ANNULUS
MW-41D	7/6/2020	462.32	26.92	435.4	
MW-41S	7/6/2020	462.44	7.09	455.35	
MW-43	7/6/2020	547.06	263.04	284.02	
MW-45	7/6/2020	488.4	15.25	473.15	
MW-47	7/6/2020	634.6	18.33	616.27	
MW-48	7/6/2020	594.49	46.22	548.27	
MW-50	7/6/2020	637.02	30.25	606.77	
MW-54	7/6/2020	580.43	278.03	302.4	
MW-55	7/6/2020	652.29	29.59	622.7	
MW-56	7/6/2020	480.33	126.41	353.92	
MW-57	7/6/2020	456.64	102.21	354.43	
MW-58A	7/6/2020	479.27	148.84	330.43	
MW-59	7/6/2020	457.13	123.65	333.48	
MW-60	7/6/2020	567.15	226.14	341.01	
MW-62	7/6/2020	556.21	52.19	504.02	PATH TO WELL NOT MOWED
MW-63	7/6/2020	515.88	16.78	499.10	AREA AROUND WELL NOT MOWED.
MW-64	7/6/2020	596.55	265.4	331.15	
MW-65	7/6/2020	545.83	208.91	336.92	
MW-66	7/6/2020	531.28	238.29	292.99	
MW-67	7/6/2020	516.43	220.19	296.24	
MW-68	7/6/2020	647.07	332.28	314.79	

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-69	7/6/2020	653.69	355.88	297.81	
MW-72	7/6/2020	671.87	361	310.87	
MW-73	7/6/2020	485.7	190.78	294.92	AREA AROUND WELL NOT MOWED.
MW-74R	7/6/2020	531.26	239.6	291.66	PATH TO WELL NOT MOWED
MW-75	7/6/2020	532.4	245.16	287.24	
MW-76	7/6/2020	491.71	136.7	355.01	
MW-79	7/6/2020	459.17		459.17	
MW-80	7/6/2020	530.41	238.59	291.82	
MW-81	7/6/2020	493.66	183.84	309.82	
MW-82	7/6/2020	474.85	122.64	352.21	
MW-83	7/6/2020	496.81	143.87	352.94	
MW-84	7/6/2020	530.8	253.73	277.07	
MW-85	7/6/2020	531.76	245.53	286.23	
MW-86	7/6/2020	536.04	249.2	286.84	
MW-87	7/6/2020	537.31	247.77	289.54	WASPS
MW-88	7/6/2020	513.68	226.76	286.92	
MW-89	7/6/2020	512.82	231.64	281.18	
MW-90	7/6/2020	502.22	221.24	280.98	AREA AROUND WELL NOT MOWED.
MW-91	7/6/2020	532.02	246.42	285.6	
MW-93	7/6/2020	632.15	308.25	323.9	
MW-94	7/6/2020	495.51	141.56	353.95	
MW-95	7/6/2020	571.54	251.44	320.1	
MW-98	7/6/2020	503.73	17.36	486.37	
MW-99	7/6/2020	493.64	200.07	293.57	
MW-EB5	7/6/2020	645.36	39.25	606.11	
MW-EB5S	7/6/2020	645.77	10.02	635.75	
MW-EB6	7/6/2020	589.61	27.11	562.5	
WS-NPW-1	7/6/2020	646.33	334.22	312.11	
WS-NPW-3	7/6/2020	645.81	332.43	313.38	

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (^{o}C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV	Turbidity (Field) NTU
MW-101	7/13/2020	W101200713-	6.94	412.3	11.6	2.8			5.4
MW-101	7/29/2020	W101200729-	7.09	439.3	14.9	3.75			5.5
MW-102	7/13/2020	W102200713-	6.48	168.2	10.69	1.25	3.57	215.6	9.28
MW-102	7/29/2020	W102200729-	6.02	180.5	10.9	1.5	10.09	300.1	26.7
MW-103	7/21/2020	W103200721-	7.81	274.9	12.8	0.75	1.79	162.3	8.06
MW-104	7/21/2020	W104200721-	7.14	393.8	11.78	0.5	2.57	11.5	4.92
MW-107	7/20/2020	W107200720-	5.48	166.2	12.65	1	1.02	204.4	1.87
MW-108	7/21/2020	W108200721-	6.14	248.5	13.42	0.75	4.96	268.7	2.58
MW-109	7/21/2020	W109200721-	6.98	2110	14.5	1.5	0.97	-70.7	16.3
MW-110	7/20/2020	W110200720-	6.22	771	14.59	1	0.6	39.6	11.8
MW-111	7/20/2020	W111200720-	5.4	76.3	15.25	1	5.86	305.2	7.29
MW-112	7/20/2020	W112200720-	7.81	274.9	12.8	0.75	1.79	162.3	8.06
MW-113	7/9/2020	W113200709-	7.26	381.4	10.41	4.5	0.79	-67.3	0.89
MW-114	7/9/2020	W114200709-	6.67	288.6	9.85	2.5	4.38	357	1.92
MW-115	7/8/2020	W115200708-	6.33	285.8	9.54	4	3.78	231.6	1.84
MW-30A	7/20/2020	W30A200720-	7.81	274.9	12.8	0.75	1.79	162.3	8.06
MW-47	7/13/2020	W47-200713-	6.93	978.1	11.5	20			0.25
MW-47	7/29/2020	W47-200729-	6.66	901.6	12	20			1.53
MW-50	7/13/2020	W50-200713-	7.37	327.8	12.11	1.25	4.96	202.5	2.76
MW-50	7/29/2020	W50-200729-	7.22	326.8	12.35	1.25	7.6	275.1	12.3
MW-59	7/8/2020	W59-200708-	6.76	218.3	9.79	4	0.79	54.1	1.33
MW-62	7/8/2020	W62-200708-	6.17	150.3	13.81	1			4.38
MW-66	7/7/2020	W66-200707-	6.7	209.9	10.08	3.1	5.38	312.6	0.57
MW-68	7/20/2020	W68-200720-	6.67	280.5	10.57	4.3	0.63	-11.5	5.52
MW-72	7/7/2020	W72-200707-	6.67	357	10.29	6.5	0.76	-38.9	18.7
MW-74R	7/8/2020	W74R200708-	6.6	571	10.28	3	4.51	341	0.54
MW-75	7/8/2020	W75-200708-	6.68	388.8	9.81	5.1	0.49	-45.7	0.68

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (^{o}C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV	Turbidity (Field) NTU
MW-80	7/20/2020	W80-200720-	7.81	274.9	12.8	0.75	1.79	162.3	8.06
MW-81	7/8/2020	W81-200708-	6.86	166	10.09	3.4	5.56	136.4	0.36
MW-83	7/7/2020	W83-200707-	6.34	607	10.61	4	1.38	220.6	1.05
MW-84	7/9/2020	W84-200709-	6.69	196.5	10.42	3.25	0.77	215.9	1.67
MW-85	7/9/2020	W85-200709-	6.66	379.8	9.6	3.5	2.82	336.2	0.31
MW-87	7/9/2020	W87-200709-	6.72	545	12.46	6	0.66	-37.6	2.23
MW-93	7/9/2020	W93-200709-	6.78	329.7	11.2	4	1.53	242.8	7.84
MW-94	7/7/2020	W94-200707-	6.17	334.5	9.79	3.5	4.62	242.1	3.59
MW-EB6	7/22/2020	WEB6200722-	6.23	85.16	11.3	1.6			6.2

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --Groundwater Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Alkalinity, Total ($CaCO_3$) (mg/L)	Ammonia, (NH_3) (mg/L)	Chloride (mg/L)	Nitrate-Nitrogen, (NO_3 as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO4) (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-101	W101200713-	7/13/2020	236	0.0146	2.63	0.014 T	467	3.88	305	3.98	325	5.9
MW-102	W102200713-	7/13/2020	63.9	0.002 U	4.19	1.31	174	6.45	133	0.83 T	139 B	6.2
MW-103	W103200721-	7/21/2020	119	0.002 U	5.38	0.034 T	280	10	181	0.66 T	195	27.6
MW-104	W104200721-	7/21/2020	77.4	0.0043 T	1.6	0.041	384	97.6	278	0.6 T	301	1.4
MW-107	W107200720-	7/20/2020	66.7	0.634	3.08	0.015 T	172	6.28	118	4.01	130	4.6
MW-108	W108200721-	7/21/2020	97.8	0.0022 T	1.45	0.638	263	23.4	201	0.5 T	211	0.5 U
MW-109	W109200721-	7/21/2020	1300	0.258	2.17	0.05 U	2240	0.32 T	1820	59.5	1810	0.8 T
MW-110	W110200720-	7/20/2020	397	0.0913	2.01	0.01 U	774	6.82	491	2.8	518	16
MW-111	W111200720-	7/20/2020	22.9	0.0035 T	0.776	0.441	80.2	7.66	78.7	0.64 T	92.7	16.7
MW-112	W112200720-	7/20/2020	114	0.0421	4.13	0.01 U	289	24.7	197	0.62 T	201	0.5 GU
MW-113	W113200709-	7/9/2020	136	0.0142	26.7	0.01 U	390	10.2	236	1.67	227	0.6 T
MW-114	W114200709-	7/9/2020	101	0.0135	14.8	1.53	287	7.23	194	0.62 T	180	7.2
MW-115	W115200708-	7/8/2020	91.1	0.0057 T	18.3	1.89	290	9.15	196 H	1 S	172	0.5 U
MW-30A	W30A200720-	7/20/2020	75.2	0.003 T	0.943	9.89	252	6.53	195	0.65 T	203	0.5 U
MW-47	W47-200713-	7/13/2020	541	0.0298	5.26	0.01 U	1030	6.89	635	3.63	664	2.9
MW-50	W50-200713-	7/13/2020	154	0.002 U	1.98	0.074	330	10.4	221	1.1	202	3.1
MW-59	W59-200708-	7/8/2020	68.6	0.007 T	11.2	0.01 T	210	15.8	164 H	0.5 SU	129	0.92 T
MW-62	W62-200708-	7/8/2020	43.3	0.0052 T	3.82	2.29	152	11.5	117 H	0.85 T	96.7	0.5 U
MW-66	W66-200707-	7/7/2020	81.3	0.002 U	4.33	0.443	213	13.6	135 H	0.5 U	119	1 U
MW-68	W68-200720-	7/20/2020	121	0.0182	2.8	0.01 U	285	14.5	160	0.5 U	185	2.2
MW-72	W72-200707-	7/7/2020	127	0.0188	7.18	0.01 U	356	39	228 H	0.5 U	230	9.4
MW-74R	W74R200708-	7/8/2020	221	0.002 U	27	0.239	580	37.5	354 H	0.5 SU	343	0.5 U
MW-75	W75-200708-	7/8/2020	110	0.0102	11.7	0.01 U	391	64.6	267 H	0.5 SU	251	0.5 T
MW-80	W80-200720-	7/20/2020	115	0.0126	4.32	0.01 U	321	34.2	219	0.5 U	229	2.4
MW-81	W81-200708-	7/8/2020	55.5	0.002 U	5.15	1.46	169	10.9	124 H	0.5 SU	100	0.5 U
MW-83	W83-200707-	7/7/2020	209	0.0088 T	56.8	1.24	620	10.2	379 H	6.18	393	0.5 U
MW-84	W84-200709-	7/9/2020	75.1	0.0022 T	3.85	0.123	203	15.5	132	0.5 U	114	0.5 U
MW-85	W85-200709-	7/9/2020	141	0.002 U	11	0.094	387	34.6	245	0.5 U	230	0.5 U
MW-87	W87-200709-	7/9/2020	107	0.0703	14.4	0.01 U	545	145	405	0.51 T	389	5
MW-93	W93-200709-	7/9/2020	119	0.0534	2.88	0.025 T	335	41.7	223	0.82 T	217	6.6
MW-94	W94-200707-	7/7/2020	121	0.0022 T	22.3	0.515	342	7.89	231 H	2.66	221	0.5 U
MW-EB6	WEB6200722-	7/22/2020	38.7	0.0636	0.624	0.01 U	97.6	6.02	80.7	0.86 T	97.3	15

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Antimony, dissolved (mg/L)	Antimony, total (mg/L)	Arsenic, dissolved (mg/L)	Arsenic, total (mg/L)	Barium, dissolved (mg/L)	Barium, total (mg/L)	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)
MW-101	7/13/2020	W101200713-	0.0003 U	0.0003 U	0.0123	0.0111	0.0187	0.0197	0.0001 U	0.0001 U	5E-05 U	5E-05 U	50.1	50
MW-102	7/13/2020	W102200713-	0.0003 U	0.0003 U	0.000213	0.000313	0.00449	0.00712	0.0001 U	0.0001 U	5E-05 U	5E-05 U	13.9	14
MW-103	7/21/2020	W103200721-	0.0003 U	0.0003 U	0.00548	0.00555	0.0111	0.0149	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.4	27.2
MW-104	7/21/2020	W104200721-	0.000403	0.00039	0.000805	0.000997	0.0173	0.0178	0.0001 U	0.0001 U	5E-05 U	5E-05 U	34.1	33.6
MW-107	7/20/2020	W107200720-	0.0003 U	0.0003 U	0.00099	0.00103	0.00721	0.00752	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.5	17.8
MW-108	7/21/2020	W108200721-	0.0003 U	0.0003 U	0.00167	0.00171	0.0105	0.0107	0.0001 U		5E-05 U	5E-05 U	24.9	25.9
MW-109	7/21/2020	W109200721-	0.0003 U	0.0003 U	0.0269	0.028	0.0325	0.0427	0.000282	0.000365	5E-05 U	5E-05 U	13.1	14.3
MW-110	7/20/2020	W110200720-	0.0003 U	0.0003 U	0.00943	0.00948	0.0311	0.0333	0.0001 U	0.0001 U	5E-05 U	5.41E-05	71.2	70.7
MW-111	7/20/2020	W111200720-	0.0003 U	0.0003 U	0.000939	0.00121	0.00425	0.00611	0.0001 U	0.0001 U	5E-05 U	5E-05 U	7.11	7.14
MW-112	7/20/2020	W112200720-	0.0003 U	0.0003 U	0.00363	0.00366	0.00854	0.00849	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.6	26.9
MW-113	7/9/2020	W113200709-	0.0003 U	0.0003 U	0.000674	0.000705	0.00201	0.00229	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	35.8	36.5
MW-114	7/9/2020	W114200709-	0.0003 U	0.0003 U	0.000288	0.000354	0.00123	0.00216	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	28	26.4
MW-115	7/8/2020	W115200708-	0.0003 U	0.0003 U	0.000311	0.000328	0.000684	0.000756	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	27.8	28.2
MW-30A	7/20/2020	W30A200720-	0.0003 U	0.0003 U	0.000468	0.000505	0.00333	0.00363	0.0001 U	0.0001 U	5E-05 U	5E-05 U	19.9	20.2
MW-47	7/13/2020	W47-200713-	0.0003 U	0.0003 U	0.000903	0.00117	0.0356	0.0348	0.0001 U	0.0001 U	5E-05 U	5E-05 U	118	119
MW-50	7/13/2020	W50-200713-	0.000374	0.00039	0.00452	0.00469	0.0109	0.0122	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.5	31.3
MW-59	7/8/2020	W59-200708-	0.0003 U	0.0003 U	0.000415	0.000417	0.00426	0.0042	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	17.6	17.4
MW-62	7/8/2020	W62-200708-	0.0003 U	0.0003 U	0.000144	0.000151	0.0024	0.00228	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	13.6	13.3
MW-66	7/7/2020	W66-200707-	0.0003 U	0.0003 U	0.000641	0.000655	0.00428	0.00452	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	15.2	15.8
MW-68	7/20/2020	W68-200720-	0.0003 U	0.0003 U	0.01	0.033	0.0104	0.0109	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.2	27.1
MW-72	7/7/2020	W72-200707-	0.0003 U	0.0003 U	7.47E-05	0.00013	0.0121	0.0134	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	32.1	32
MW-74R	7/8/2020	W74R200708-	0.0003 U	0.0003 U	0.000379	0.000392	0.0131	0.0133	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	47.1	49
MW-75	7/8/2020	W75-200708-	0.0003 U	0.0003 U	0.000449	0.00046	0.013	0.0133	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	31.7	31.6
MW-80	7/20/2020	W80-200720-	0.0003 U	0.0003 U	0.00378	0.00381	0.0142	0.0141	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.4	32.4
MW-81	7/8/2020	W81-200708-	0.0003 U	0.0003 U	0.000516	0.000514	0.0032	0.00347	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	13.9	14
MW-83	7/7/2020	W83-200707-	0.0003 U	0.0003 U	0.000376	0.000364	0.00925	0.00935	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	64.4	64.6
MW-84	7/9/2020	W84-200709-	0.0003 U	0.0003 U	0.000321	0.000307	0.00479	0.00471	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	15.3	15.1
MW-85	7/9/2020	W85-200709-	0.0003 U	0.0003 U	0.000691	0.000689	0.00728	0.00699	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	34.1	34.9
MW-87	7/9/2020	W87-200709-	0.0003 U	0.0003 U	0.000505	0.000686	0.0264	0.0267	0.0001 DU	0.0001 DU	6.97E-05	8.96E-05	45.9	46.3
MW-93	7/9/2020	W93-200709-	0.0003 U	0.0003 U	0.00137	0.00144	0.00809	0.0108	0.0001 DU	0.0001 DU	6.07E-05	9.82E-05	31.2	32
MW-94	7/7/2020	W94-200707-	0.0003 U	0.0003 U	0.000129	0.000127	0.00218	0.0022	0.0001 DU	0.0001 DU	5E-05 U	5E-05 U	32.9	33.6
MW-EB6	7/22/2020	WEB6200722-	0.0003 U	0.0003 U	0.00384	0.00413	0.0045	0.00621	0.0001 U	0.0001 U	5E-05 U	7.02E-05	4.95	5.41

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	, dissolved (mg/L)	, total (mg/L)	Manganese, dissolved (mg/L)
MW-101	7/13/2020	W101200713-	0.0002 U	0.00111	0.00021	0.000276	0.0002 U	0.000359	0.783	0.987	0.0001 U	0.0001 U	30.2	30.3	1.15
MW-102	7/13/2020	W102200713-	0.000216	0.00117	5E-05 U	0.000305	0.000372	0.00121	0.0203	0.452	0.0001 U	0.000249	5.2	5.28	0.00159
MW-103	7/21/2020	W103200721-	0.0002 U	0.000886	5E-05 U	0.000231	0.000453	0.00119	0.01 U	0.274	0.0001 U	0.000318	12.1	12.2	0.000814
MW-104	7/21/2020	W104200721-	0.000867	0.00118	5E-05 U	7.14E-05	0.00037	0.000771	0.01 U	0.129	0.0001 U	0.0001 U	14	13.5	0.00486
MW-107	7/20/2020	W107200720-	0.000225	0.000317	0.00152	0.00149	0.00121	0.00136	0.595	0.682	0.0001 U	0.0001 U	5.82	5.81	1.31 D
MW-108	7/21/2020	W108200721-	0.000442	0.000621	5E-05 U	6.19E-05	0.000239	0.000452	0.01 U	0.122	0.0001 U	0.0001 U	10.2	10.1	0.000485
MW-109	7/21/2020	W109200721-	0.0464	0.0522	0.000423	0.000757	0.00723	0.0215	7.03	8.67	0.000471	0.00143	8.03	8.55	1.04 D
MW-110	7/20/2020	W110200720-	0.0002 U	0.000559	0.00471	0.00476	0.0002 U	0.00102	1.25	1.5	0.0001 U	0.000165	38.4	38	4.52 D
MW-111	7/20/2020	W111200720-	0.00204	0.00241	5E-05 U	0.000132	0.000344	0.000969	0.01 U	0.334	0.0001 U	0.0001 U	2.29	2.36	0.00423 D
MW-112	7/20/2020	W112200720-	0.0002 U	0.0002 U	8.47E-05	8.76E-05	0.0002 U	0.0002 U	0.0251	0.0266	0.0001 U	0.0001 U	13.5	13.6	0.272 D
MW-113	7/9/2020	W113200709-	0.0002 U	0.0002 U	0.000191	0.000206	0.0002 U	0.0002 U	0.823	0.848	0.0001 U	0.0001 U	19.2	20.1	0.416
MW-114	7/9/2020	W114200709-	0.0002 U	0.000429	0.000643	0.00109	0.000216	0.000567	0.01 U	0.269	0.0001 U	0.0001 U	13.5	13.5	0.00533
MW-115	7/8/2020	W115200708-	0.0002 U	0.0002 U	0.000258	0.000265	0.000237	0.000272	0.01 U	0.0279	0.0001 U	0.0001 U	11.9	12.4	0.0401
MW-30A	7/20/2020	W30A200720-	0.000583	0.000621	5E-05 U	5E-05 U	0.000722	0.00041	0.01 U	0.072	0.0001 U	0.0001 U	11.5	11.4	0.000141 D
MW-47	7/13/2020	W47-200713-	0.0002 U	0.0002 U	0.000328	0.000306	0.0002 U	0.0002 U	1.28	1.82	0.0001 U	0.0001 U	59.7	59	1.01
MW-50	7/13/2020	W50-200713-	0.000338	0.000666	5E-05 U	0.000263	0.0012	0.00128	0.01 U	0.164	0.0001 U	0.000102	13.6	13.7	0.00115
MW-59	7/8/2020	W59-200708-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	4.34	4.35	0.0001 U	0.0001 U	10.8	10.7	0.133
MW-62	7/8/2020	W62-200708-	0.000226	0.000341	7.60E-05	8.84E-05	0.000316	0.0006	0.01 U	0.0352	0.0001 U	0.0001 U	3.26	3.29	0.0012
MW-66	7/7/2020	W66-200707-	0.0002 U	0.000201	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.0159	0.0001 U	0.0001 U	12.1	12.5	0.0001 U
MW-68	7/20/2020	W68-200720-	0.0002 U	0.0002 U	0.000213	0.000227	0.0002 U	0.000942	0.639	1.25	0.0001 U	0.0001 U	16.7	15.6	0.291 D
MW-72	7/7/2020	W72-200707-	0.0002 U	0.000283	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.72	4.59	0.0001 U	0.0001 U	20.2	19.7	0.365
MW-74R	7/8/2020	W74R200708-	0.0002 U	0.000254	5E-05 U	5E-05 U	0.000201	0.000247	0.01 U	0.0216	0.0001 U	0.0001 U	36.3	37.7	0.0001 U
MW-75	7/8/2020	W75-200708-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.7	2.74	0.0001 U	0.0001 U	23.3	22.8	0.232
MW-80	7/20/2020	W80-200720-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.36	2.35	0.0001 U	0.0001 U	18.1	17.6	0.344 D
MW-81	7/8/2020	W81-200708-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	7.74	7.78	0.0001 U
MW-83	7/7/2020	W83-200707-	0.000272	0.000326	0.000251	0.000237	0.00331	0.00317	0.01 U	0.01 U	0.0001 U	0.0001 U	28.1	26.7	0.0281
MW-84	7/9/2020	W84-200709-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	11.1	11.5	0.00236
MW-85	7/9/2020	W85-200709-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	21.4	21.8	0.0001 U
MW-87	7/9/2020	W87-200709-	0.0002 U	0.0002 U	0.000133	0.000129	0.00028	0.000715	4.94	5.17	0.0001 U	0.0001 U	31.5	30.7	0.543
MW-93	7/9/2020	W93-200709-	0.0002 U	0.000352	7.05E-05	0.000141	0.000324	0.001	0.01 U	0.143	0.0001 U	0.000357	16.8	16.9	0.182
MW-94	7/7/2020	W94-200707-	0.0002 U	0.000525	9.96E-05	0.000105	0.00117	0.00114	0.01 U	0.01 U	0.0001 U	0.0001 U	14.9	15.1	0.0001 U
MW-EB6	7/22/2020	WEB6200722-	0.0002 U	0.000931	0.000513	0.000653	0.00341	0.00785	0.202	0.708	0.000141	0.000539	2.54	2.9	0.0234

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)
MW-101	7/13/2020	W101200713-	1.14	5E-05 U	5E-05 U	0.00307	0.00372	2.64	2.65	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.1	16.5
MW-102	7/13/2020	W102200713-	0.0101	5E-05 U	5E-05 U	0.00046	0.000848	1.03	1.07	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.3	10
MW-103	7/21/2020	W103200721-	0.16	5E-05 U	5E-05 U	0.000116	0.000722	2.95	2.97	0.0005 U	0.0005 U	4E-05 U	4E-05 U	13.5	13.5
MW-104	7/21/2020	W104200721-	0.0355	5E-05 U	5E-05 U	0.00033	0.00081	3.69	3.61	0.0005 U	0.0005 U	4E-05 U	4E-05 U	23	23.7
MW-107	7/20/2020	W107200720-	1.3 D	5E-05 DU	5E-05 DU	0.00345	0.00343	2.38	2.39	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.63	7.31
MW-108	7/21/2020	W108200721-	0.00213	5E-05 U	5E-05 U	0.000394	0.000533	1.56	1.59	0.0005 U	0.0005 U	4E-05 U	4E-05 U	22.2	21.8
MW-109	7/21/2020	W109200721-	1.17 D	5E-05 U	5E-05 U	0.00385	0.0054	1.8	1.83	0.000556	0.000667	4E-05 U	4E-05 U	662 D	644 D
MW-110	7/20/2020	W110200720-	4.27 D	5E-05 DU	5E-05 DU	0.00572	0.00614	3.24	3.23	0.0005 U	0.0005 U	4E-05 U	4E-05 U	62.3	60.5
MW-111	7/20/2020	W111200720-	0.00711 D	5E-05 DU	5E-05 DU	0.00163	0.00199	0.357	0.402	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.67	5.72
MW-112	7/20/2020	W112200720-	0.263 D	5E-05 DU	5E-05 DU	0.00028	0.000297	2.88	2.93	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.1	15.8
MW-113	7/9/2020	W113200709-	0.434	5E-05 U	5E-05 U	0.000564	0.000627	2.07	2.16	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	9.02	9.59
MW-114	7/9/2020	W114200709-	0.0153	5E-05 U	5E-05 U	0.000394	0.000575	2.32	2.22	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	7	7.02
MW-115	7/8/2020	W115200708-	0.0412	5E-05 U	5E-05 U	0.000835	0.00084	1.92	1.95	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	7.11	7.51
MW-30A	7/20/2020	W30A200720-	0.000939 D	5E-05 DU	5E-05 DU	0.000668	0.000743	1.4	1.4	0.0005 U	0.0005 U	4E-05 U	4E-05 U	14.9	14.5
MW-47	7/13/2020	W47-200713-	1.03	5E-05 U	5E-05 U	0.00109	0.0013	5.01	4.92	0.0005 U	0.0005 U	4E-05 U	4E-05 U	17.9	17.4
MW-50	7/13/2020	W50-200713-	0.0139	5E-05 U	5E-05 U	0.000347	0.000769	6.26	6.2	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.8	16.4
MW-59	7/8/2020	W59-200708-	0.132	5E-05 U	5E-05 U	0.000245	0.000156	1.21	1.16	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	6.29	6.47
MW-62	7/8/2020	W62-200708-	0.00225	5E-05 U	5E-05 U	0.00065	0.000726	0.75	0.746	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	10.2	10.3
MW-66	7/7/2020	W66-200707-	0.000419	5E-05 U	5E-05 U	0.000165	0.000178	1.1	1.14	0.00088	0.00091	4E-05 DU	4E-05 DU	7.05	7.49
MW-68	7/20/2020	W68-200720-	0.3 D	5E-05 DU	5E-05 DU	0.000428	0.00046	1.75	1.71	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.2	9.82
MW-72	7/7/2020	W72-200707-	0.378	5E-05 U	5E-05 U	0.000103	0.00014	1.99	1.98	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	8.74	8.52
MW-74R	7/8/2020	W74R200708-	0.000263	5E-05 U	5E-05 U	0.000895	0.00099	2.2	2.28	0.000659	0.00061	4E-05 DU	4E-05 DU	13.2	13.5
MW-75	7/8/2020	W75-200708-	0.233	5E-05 U	5E-05 U	0.0001 U	0.0001 U	1.99	1.97	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	9.46	9.38
MW-80	7/20/2020	W80-200720-	0.338 D	5E-05 DU	5E-05 DU	0.000121	0.00015	1.78	1.75	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.09	8.92
MW-81	7/8/2020	W81-200708-	0.000148	5E-05 U	5E-05 U	0.000175	0.000163	0.875	0.88	0.000799	0.000822	4E-05 DU	4E-05 DU	6.88	6.87
MW-83	7/7/2020	W83-200707-	0.0236	5E-05 U	5E-05 U	0.00165	0.00165	3.58	3.55	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	14.6	14.1
MW-84	7/9/2020	W84-200709-	0.00242	5E-05 U	5E-05 U	0.000551	0.000496	1.17	1.15	0.000655	0.000636	4E-05 DU	4E-05 DU	7.03	7.2
MW-85	7/9/2020	W85-200709-	0.0001 U	5E-05 U	5E-05 U	0.000213	0.000212	1.72	1.76	0.000834	0.00082	4E-05 DU	4E-05 DU	9.96	10.4
MW-87	7/9/2020	W87-200709-	0.542	5E-05 U	5E-05 U	0.00028	0.000302	2.52	2.39	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	11.1	10.6
MW-93	7/9/2020	W93-200709-	0.196	5E-05 U	5E-05 U	0.000237	0.000479	1.59	1.59	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	9.83	9.85
MW-94	7/7/2020	W94-200707-	0.000179	5E-05 U	5E-05 U	0.000574	0.000716	2.42	2.49	0.0005 U	0.0005 U	4E-05 DU	4E-05 DU	8.51	8.51
MW-EB6	7/22/2020	WEB6200722-	0.0303	5E-05 U	5E-05 U	0.00185	0.0023	0.885	1	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.9	13.1

Environmental Monitoring Data

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Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-101	7/13/2020	W101200713-	0.0001 U	0.0001 U	0.000319	0.000479	0.000855	0.00124
MW-102	7/13/2020	W102200713-	0.0001 U	0.0001 U	0.00103	0.00175	0.000889	0.0015
MW-103	7/21/2020	W103200721-	0.0001 U	0.0001 U	0.00169	0.00211	0.00127	0.00297
MW-104	7/21/2020	W104200721-	0.0001 U	0.0001 U	0.00174	0.0023	0.00173	0.00289
MW-107	7/20/2020	W107200720-	0.0001 U	0.0001 U	0.000319	0.000429	0.00217	0.0025
MW-108	7/21/2020	W108200721-	0.0001 U	0.0001 U	0.00342	0.00372	0.00107	0.00158
MW-109	7/21/2020	W109200721-	0.0001 U	0.0001 U	0.136 D	0.151 D	0.000981	0.0027
MW-110	7/20/2020	W110200720-	0.0001 U	0.0001 U	0.000433	0.000958	0.00228	0.00347
MW-111	7/20/2020	W111200720-	0.0001 U	0.0001 U	0.00136	0.0021	0.00098	0.00224
MW-112	7/20/2020	W112200720-	0.0001 U	0.0001 U	0.000598	0.000619	0.0005 U	0.0005 U
MW-113	7/9/2020	W113200709-	0.0001 U	0.0001 U	0.000147	0.000152	0.0005 U	0.0005 U
MW-114	7/9/2020	W114200709-	0.0001 U	0.0001 U	0.000855	0.00137	0.000536	0.00094
MW-115	7/8/2020	W115200708-	0.0001 U	0.0001 U	0.00054	0.000596	0.0005 U	0.000561
MW-30A	7/20/2020	W30A200720-	0.0001 U	0.0001 U	0.00216	0.00228	0.00122	0.000904
MW-47	7/13/2020	W47-200713-	0.0001 U	0.0001 U	0.000232	0.000231	0.0005 U	0.0005 U
MW-50	7/13/2020	W50-200713-	0.0001 U	0.0001 U	0.00327	0.00367	0.000667	0.000945
MW-59	7/8/2020	W59-200708-	0.0001 U	0.0001 U	0.000113	0.000116	0.000807	0.000935
MW-62	7/8/2020	W62-200708-	0.0001 U	0.0001 U	0.000667	0.000704	0.00125	0.00164
MW-66	7/7/2020	W66-200707-	0.0001 U	0.0001 U	0.000729	0.000759	0.0005 U	0.000743
MW-68	7/20/2020	W68-200720-	0.0001 U	0.0001 U	0.000256	0.000669	0.00123	0.000505
MW-72	7/7/2020	W72-200707-	0.0001 U	0.0001 U	0.000166	9.70E-05	0.0005 U	0.000822
MW-74R	7/8/2020	W74R200708-	0.0001 U	0.0001 U	0.000696	0.000721	0.0005 U	0.000726
MW-75	7/8/2020	W75-200708-	0.0001 U	0.0001 U	0.000174	0.000181	0.0005 U	0.0005 U
MW-80	7/20/2020	W80-200720-	0.0001 U	0.0001 U	8.94E-05	8.23E-05	0.00124	0.00179
MW-81	7/8/2020	W81-200708-	0.0001 U	0.0001 U	0.00181	0.00185	0.000592	0.0005 U
MW-83	7/7/2020	W83-200707-	0.0001 U	0.0001 U	0.000949	0.000939	0.000626	0.0005 U
MW-84	7/9/2020	W84-200709-	0.0001 U	0.0001 U	0.000627	0.000596	0.00161	0.000526
MW-85	7/9/2020	W85-200709-	0.0001 U	0.0001 U	0.00105	0.00104	0.0005 U	0.0005 U
MW-87	7/9/2020	W87-200709-	0.0001 U	0.0001 U	0.000151	0.000161	0.00469	0.00492
MW-93	7/9/2020	W93-200709-	0.0001 U	0.0001 U	0.0026	0.00265	0.00357	0.00691
MW-94	7/7/2020	W94-200707-	0.0001 U	0.0001 U	0.00136	0.0013	0.0005 U	0.0005 U
MW-EB6	7/22/2020	WEB6200722-	0.0001 U	0.0001 U	0.00169	0.00246	0.0034	0.00437

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane ug/l 630-20-6	1,1,1-Trichloroethane ug/l 71-55-6	1,1,2,2-Tetrachloroethane ug/l 79-34-5	1,1,2-Trichloroethane ug/l 79-00-5	1,1-Dichloroethane ug/l 75-34-3	1,1-Dichloroethene ug/l 75-35-4	1,2,3-Trichloropropane ug/l 96-18-4	1,2-Dibromo-3-Chloropropane ug/l 96-12-8	1,2-Dibromoethane ug/l 106-93-4	1,2-Dichlorobenzene ug/l 95-50-1	1,2-Dichloroethane ug/l 107-06-2	1,2-Dichloropropane ug/l 78-87-5
MW-101	W101200713-	7/13/2020	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	0.1 U
MW-102	W102200713-	7/13/2020	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	0.1 U
MW-103	W103200721-	7/21/2020	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	0.1 U
MW-104	W104200721-	7/21/2020	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	0.1 U
MW-107	W107200720-	7/20/2020	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	0.1 U
MW-108	W108200721-	7/21/2020	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	0.1 U
MW-109	W109200721-	7/21/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1 U	1 U	1 U	1 U
MW-110	W110200720-	7/20/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.241	0.1 U	0.1 U	2.5 U	0.1 U	1.35	0.235	0.193 JT
MW-111	W111200720-	7/20/2020	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	0.1 U
MW-112	W112200720-	7/20/2020	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	0.1 U
MW-113	W113200709-	7/9/2020	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	0.1 U
MW-114	W114200709-	7/9/2020	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	0.1 U
MW-115	W115200708-	7/8/2020	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	0.1 U
MW-30A	W30A200720-	7/20/2020	0.25 U	0.1 U	0.1 U	0.1 U	1.73	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	W47-200713-	7/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.553	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-50	W50-200713-	7/13/2020	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	0.1 U
MW-59	W59-200708-	7/8/2020	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	0.1 U
MW-62	W62-200708-	7/8/2020	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	0.1 U
MW-66	W66-200707-	7/7/2020	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	0.1 U
MW-68	W68-200720-	7/20/2020	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	0.1 U
MW-72	W72-200707-	7/7/2020	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	0.1 U
MW-74R	W74R200708-	7/8/2020	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	0.1 U
MW-75	W75-200708-	7/8/2020	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	0.1 U
MW-80	W80-200720-	7/20/2020	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	0.1 U
MW-81	W81-200708-	7/8/2020	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	0.1 U
MW-83	W83-200707-	7/7/2020	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	0.1 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane ug/l 630-20-6	1,1,1-Trichloroethane ug/l 71-55-6	1,1,2,2-Tetrachloroethane ug/l 79-34-5	1,1,2-Trichloroethane ug/l 79-00-5	1,1-Dichloroethane ug/l 75-34-3	1,1-Dichloroethene ug/l 75-35-4	1,2,3-Trichloropropane ug/l 96-18-4	1,2-Dibromo-3-Chloropropane ug/l 96-12-8	1,2-Dibromoethane ug/l 106-93-4	1,2-Dichlorobenzene ug/l 95-50-1	1,2-Dichloroethane ug/l 107-06-2	1,2-Dichloropropane ug/l 78-87-5
MW-84	W84-200709-	7/9/2020	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	0.1 U
MW-85	W85-200709-	7/9/2020	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	0.1 U
MW-87	W87-200709-	7/9/2020	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	0.1 U
MW-93	W93-200709-	7/9/2020	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	0.1 U
MW-94	W94-200707-	7/7/2020	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	0.1 U
MW-EB6	WEB6200722-	7/22/2020	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	0.1 U
VOA TRIP BLANK	VTRP200707Y	7/6/2020	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	0.1 U
VOA TRIP BLANK	VTRP200707Z	7/6/2020	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	0.1 U
VOA TRIP BLANK	VTRP200708Y	7/7/2020	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	0.1 U
VOA TRIP BLANK	VTRP200708Z	7/7/2020	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	0.1 U
VOA TRIP BLANK	VTRP200709Y	7/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.402	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200709X	7/8/2020	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	0.1 U
VOA TRIP BLANK	VTRP200709Z	7/8/2020	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	0.1 U
VOA TRIP BLANK	VTRP200713Y	7/8/2020	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	0.1 U
VOA TRIP BLANK	VTRP200713X	7/9/2020	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	0.1 U
VOA TRIP BLANK	VTRP200713Z	7/9/2020	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	0.1 U
VOA TRIP BLANK	VTRP200715X	7/14/2020	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	0.1 U
VOA TRIP BLANK	VTRP200715Y	7/14/2020	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	0.1 U
VOA TRIP BLANK	VTRP200715Z	7/14/2020	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	0.1 U
VOA TRIP BLANK	VTRP200720X	7/16/2020	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	0.1 U
VOA TRIP BLANK	VTRP200720Y	7/16/2020	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	0.1 U
VOA TRIP BLANK	VTRP200720Z	7/16/2020	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	0.1 U
VOA TRIP BLANK	VTRP200721Y	7/20/2020	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	0.1 U
VOA TRIP BLANK	VTRP200721Z	7/20/2020	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	0.1 U
VOA TRIP BLANK	VTRP200722X	7/21/2020	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	0.1 U
VOA TRIP BLANK	VTRP200812Y	8/11/2020	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	0.1 U
VOA TRIP BLANK	VTRP200812Z	8/11/2020	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	0.1 U
VOA TRIP BLANK	VTRP200909Y	9/8/2020	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	0.1 U
VOA TRIP BLANK	VTRP200909Z	9/8/2020	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	0.1 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,4-Dichlorobenzene ug/l 106-46-7	2-Butanone ug/l 78-93-3	2-Hexanone ug/l 591-78-6	4-Methyl-2-Pentanone ug/l 108-10-1	Acetone ug/l 67-64-1	Acrylonitrile ug/l 107-13-1	Benzene ug/l 71-43-2	Bromochloromethane ug/l 74-97-5	Bromochloromethane ug/l 75-27-4	Bromoform ug/l 75-25-2	Bromomethane ug/l 74-83-9	Carbon Disulfide ug/l 75-15-0	Carbon Tetrachloride ug/l 56-23-5
MW-101	W101200713-	7/13/2020	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-102	W102200713-	7/13/2020	0.1 U	0.25 U	0.5 U	2.5 U	4.21 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-103	W103200721-	7/21/2020	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	0.1 U	0.25 U
MW-104	W104200721-	7/21/2020	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	0.1 U	0.25 U
MW-107	W107200720-	7/20/2020	0.359	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	0.1 U	0.25 U
MW-108	W108200721-	7/21/2020	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	0.1 U	0.25 U
MW-109	W109200721-	7/21/2020	1 U	2.5 U	5 U	25 U	25 U	0.35 U	1 U	1 U	2.5 U	5 U	1 U	1 U	2.5 U
MW-110	W110200720-	7/20/2020	0.277	0.25 U	0.5 U	2.5 U	3.73 JT	0.035 U	0.508	0.1 U	0.25 U	0.5 U	0.1 U	0.136 JT	0.25 U
MW-111	W111200720-	7/20/2020	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	0.1 U	0.25 U
MW-112	W112200720-	7/20/2020	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	0.1 U	0.25 U
MW-113	W113200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	3.58 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.256	0.25 U
MW-114	W114200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-115	W115200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-30A	W30A200720-	7/20/2020	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	0.1 U	0.25 U
MW-47	W47-200713-	7/13/2020	0.1 U	0.25 U	0.5 U	2.5 U	3.08 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-50	W50-200713-	7/13/2020	0.1 U	0.25 U	0.5 U	2.5 U	2.98 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-59	W59-200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.82 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-62	W62-200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.0681 BDJT	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-66	W66-200707-	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-68	W68-200720-	7/20/2020	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	0.1 U	0.25 U
MW-72	W72-200707-	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-74R	W74R200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-75	W75-200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-80	W80-200720-	7/20/2020	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	0.1 U	0.25 U
MW-81	W81-200708-	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-83	W83-200707-	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	2.57 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,4-Dichlorobenzene ug/l 106-46-7	2-Butanone ug/l 78-93-3	2-Hexanone ug/l 591-78-6	4-Methyl-2-Pentanone ug/l 108-10-1	Acetone ug/l 67-64-1	Acrylonitrile ug/l 107-13-1	Benzene ug/l 71-43-2	Bromochloromethane ug/l 74-97-5	Bromochloromethane ug/l 75-27-4	Bromoform ug/l 75-25-2	Bromomethane ug/l 74-83-9	Carbon Disulfide ug/l 75-15-0	Carbon Tetrachloride ug/l 56-23-5
MW-84	W84-200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-85	W85-200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-87	W87-200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-93	W93-200709-	7/9/2020	0.1 U	1 U	0.5 U	2.5 U	3.11 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-94	W94-200707-	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	3.64 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-EB6	WEB6200722-	7/22/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200707Y	7/6/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200707Z	7/6/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200708Y	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200708Z	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	3.36 JT	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200709Y	7/7/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200709X	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200709Z	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200713Y	7/8/2020	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200713X	7/9/2020	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200713Z	7/9/2020	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 DU	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200715X	7/14/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200715Y	7/14/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200715Z	7/14/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200720X	7/16/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200720Y	7/16/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200720Z	7/16/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200721Y	7/20/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200721Z	7/20/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200722X	7/21/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200812Y	8/11/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200812Z	8/11/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200909Y	9/8/2020	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	0.1 U	0.25 U
VOA TRIP BLANK	VTRP200909Z	9/8/2020	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	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Chlorbenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3	Chloroform ug/l 67-66-3	Chloromethane ug/l 74-87-3	cis-1,2-Dichloroethene ug/l 156-59-2	cis-1,3-Dichloropropene ug/l 10061-01-5	Dibromomethane ug/l 74-95-3	Dichlorodifluoromethane ug/l 75-71-8	Ethylbenzene ug/l 100-41-4	M & P Xylene ug/l MPX	Methyl Iodide ug/l 74-88-4
MW-101	W101200713-	7/13/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.104 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	W102200713-	7/13/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.109 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	W103200721-	7/21/2020	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	0.1 U	0.1 U	0.1 U
MW-104	W104200721-	7/21/2020	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	0.1 U	0.1 U	0.1 U
MW-107	W107200720-	7/20/2020	0.197 JT	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.151 JT	0.1 U	0.1 U	0.1 U
MW-108	W108200721-	7/21/2020	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	0.1 U	0.1 U	0.1 U
MW-109	W109200721-	7/21/2020	1 U	5 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
MW-110	W110200720-	7/20/2020	1.44	0.5 U	0.206	0.1 U	0.25 U	4.13	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-111	W111200720-	7/20/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.126 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	W112200720-	7/20/2020	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	0.1 U	0.1 U	0.1 U
MW-113	W113200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-114	W114200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-115	W115200708-	7/8/2020	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	0.1 U	0.23	0.2 U
MW-30A	W30A200720-	7/20/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	2.02	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	W47-200713-	7/13/2020	0.1 U	0.5 U	0.235	0.1 U	0.265 JT	1.3	0.25 U	0.1 U	5.88	0.1 U	0.1 U	0.1 U
MW-50	W50-200713-	7/13/2020	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	0.1 U	0.1 U	0.1 U
MW-59	W59-200708-	7/8/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.22	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
MW-62	W62-200708-	7/8/2020	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	0.1 U	0.1 U	0.2 U
MW-66	W66-200707-	7/7/2020	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	0.1 U	0.1 U	0.2 U
MW-68	W68-200720-	7/20/2020	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	0.1 U	0.1 U	0.1 U
MW-72	W72-200707-	7/7/2020	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	0.1 U	0.1 U	0.2 U
MW-74R	W74R200708-	7/8/2020	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	0.1 U	0.1 U	0.2 U
MW-75	W75-200708-	7/8/2020	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	0.1 U	0.1 U	0.2 U
MW-80	W80-200720-	7/20/2020	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	0.1 U	0.1 U	0.1 U
MW-81	W81-200708-	7/8/2020	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	0.1 U	0.1 U	0.2 U
MW-83	W83-200707-	7/7/2020	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	0.1 U	0.1 U	0.2 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Chlorbenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3	Chloroform ug/l 67-66-3	Chloromethane ug/l 74-87-3	cis-1,2-Dichloroethene ug/l 156-59-2	cis-1,3-Dichloropropene ug/l 10061-01-5	Dibromomethane ug/l 74-95-3	Dichlorodifluoromethane ug/l 75-71-8	Ethylbenzene ug/l 100-41-4	M & P Xylene ug/l MPX	Methyl Iodide ug/l 74-88-4
MW-84	W84-200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-85	W85-200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-87	W87-200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-93	W93-200709-	7/9/2020	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	0.1 U	0.1 U	0.2 U
MW-94	W94-200707-	7/7/2020	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	0.1 U	0.1 U	0.2 U
MW-EB6	WEB6200722-	7/22/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200707Y	7/6/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200707Z	7/6/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200708Y	7/7/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200708Z	7/7/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200709Y	7/7/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.742	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200709X	7/8/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200709Z	7/8/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200713Y	7/8/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200713X	7/9/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200713Z	7/9/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200715X	7/14/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200715Y	7/14/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200715Z	7/14/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200720X	7/16/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200720Y	7/16/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200720Z	7/16/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200721Y	7/20/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200721Z	7/20/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200722X	7/21/2020	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	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200812Y	8/11/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200812Z	8/11/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200909Y	9/8/2020	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	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	VTRP200909Z	9/8/2020	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	0.1 U	0.1 U	0.2 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6	Styrene ug/l 100-42-5	Tetrhachloroethene ug/l 127-18-4	Toluene ug/l 108-88-3	Trans-1,2-Dichloroethene ug/l 156-60-5	Trans-1,3-Dichloropropene ug/l 10061-02-6	Trans-1,4-Dichloro-2-Butene ug/l 110-57-6	Trichloroethene ug/l 79-01-6	Trichlorofluoromethane ug/l 75-69-4	Vinyl Acetate ug/l 108-05-4	Vinyl Chloride ug/l 75-01-4
MW-101	W101200713-	7/13/2020	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	0.1 U	0.1 U	0.067
MW-102	W102200713-	7/13/2020	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	0.1 U	0.1 U	0.01 U
MW-103	W103200721-	7/21/2020	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	0.1 U	0.1 U	0.01 U
MW-104	W104200721-	7/21/2020	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	0.1 U	0.1 U	0.01 U
MW-107	W107200720-	7/20/2020	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	0.1 U	0.1 U	0.0441
MW-108	W108200721-	7/21/2020	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	0.1 U	0.1 U	0.01 U
MW-109	W109200721-	7/21/2020	25 U	1 U	1 U	1 U	8.14	1 U	5 U	5 U	1 U	1 U	1 U	0.244
MW-110	W110200720-	7/20/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.303	0.5 U	0.5 U	0.115 JT	0.1 U	0.1 U	0.21
MW-111	W111200720-	7/20/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.107 JT	0.1 U	0.1 U	0.01 U
MW-112	W112200720-	7/20/2020	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	0.1 U	0.1 U	0.01 U
MW-113	W113200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-114	W114200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	9.97	0.1 U	0.1 U	0.01 U
MW-115	W115200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	4.93	0.1 U	0.1 U	0.01 U
MW-30A	W30A200720-	7/20/2020	2.5 U	0.1 U	0.1 U	0.115 JT	0.1 U	0.1 U	0.5 U	0.5 U	0.839	0.1 U	0.1 U	0.01 U
MW-47	W47-200713-	7/13/2020	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	0.1 U	0.1 U	5.68
MW-50	W50-200713-	7/13/2020	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	0.1 U	0.1 U	0.01 U
MW-59	W59-200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-62	W62-200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-66	W66-200707-	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	W68-200720-	7/20/2020	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	0.1 U	0.1 U	0.01 U
MW-72	W72-200707-	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-74R	W74R200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	W75-200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-80	W80-200720-	7/20/2020	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	0.1 U	0.1 U	0.01 U
MW-81	W81-200708-	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-83	W83-200707-	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	2.2	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6	Styrene ug/l 100-42-5	Tetrhachloroethene ug/l 127-18-4	Toluene ug/l 108-88-3	Trans-1,2-Dichloroethene ug/l 156-60-5	Trans-1,3-Dichloropropene ug/l 10061-02-6	Trans-1,4-Dichloro-2-Butene ug/l 110-57-6	Trichloroethene ug/l 79-01-6	Trichlorofluoromethane ug/l 75-69-4	Vinyl Acetate ug/l 108-05-4	Vinyl Chloride ug/l 75-01-4
MW-84	W84-200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-85	W85-200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	W87-200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	W93-200709-	7/9/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	W94-200707-	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	1.89	0.1 U	0.1 U	0.01 U
MW-EB6	WEB6200722-	7/22/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200707Y	7/6/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200707Z	7/6/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200708Y	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200708Z	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200709Y	7/7/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200709X	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200709Z	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200713Y	7/8/2020	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200713X	7/9/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200713Z	7/9/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200715X	7/14/2020	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	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200715Y	7/14/2020	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	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200715Z	7/14/2020	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	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200720X	7/16/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200720Y	7/16/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200720Z	7/16/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200721Y	7/20/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200721Z	7/20/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200722X	7/21/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200812Y	8/11/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200812Z	8/11/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200909Y	9/8/2020	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	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200909Z	9/8/2020	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	0.1 U	0.1 U	0.01 U

Storm and Surface Water Field and Analytical Data

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Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill ---Surface Water Elevation-Staff Gage Measurements
Contact Person: Sendy 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)	Comments
SW-G1	SW-W1	7/6/2020	415.38	418.84		0.37	415.75	
SW-G1	SW-W1	8/13/2020	415.38	418.84		0.45	415.83	
SW-G1	SW-W1	9/23/2020	415.38	418.84		0.58	415.96	
SW-G2	SW-N1	7/6/2020	355.68	358.21		0.05	355.73	
SW-G2	SW-N1	8/13/2020	355.68	358.21	4.29		353.92	
SW-G2	SW-N1	9/23/2020	355.68	358.21	4.92		353.29	
SW-G3	SW -V	7/6/2020	466.46	469.88				DRY @ 5.39
SW-G3	SW -V	8/13/2020	466.46	469.88				DRY @ 5.51
SW-G3	SW -V	9/23/2020	466.46	469.88				DRY @ 5.25
SW-G4	Upstream of SW-E1	7/6/2020	502.41	505.85	4.85		501.00	
SW-G4	Upstream of SW-E1	8/13/2020	502.41	505.85				DRY @ 6.36
SW-G4	Upstream of SW-E1	9/23/2020	502.41	505.85				DRY @ 6.11
SW-G5	SW-E1	7/6/2020	486.92	490.34	2.98		487.36	
SW-G5	SW-E1	8/13/2020	486.92	490.34				DRY @ 5.38
SW-G5	SW-E1	9/23/2020	486.92	490.34				DRY @ 5.11
SW-G6	Upstream of SW-GS1	7/6/2020	490.72	494.12	4.54		489.58	
SW-G6	Upstream of SW-GS1	8/13/2020	490.72	494.12				DRY @ 7.34
SW-G6	Upstream of SW-GS1	9/23/2020	490.72	494.12				DRY @ 7.08
SW-G7	SW-S2	7/6/2020	453.03	456.41		0.68	453.71	
SW-G7	SW-S2	8/13/2020	453.03	456.41				DRY @ 7.71
SW-G7	SW-S2	9/23/2020	453.03	456.41				DRY @ 5.70
SW-G8	Upstream of SW-S1	7/6/2020	510.61	515.56		0.1	510.71	
SW-G8	Upstream of SW-S1	8/13/2020	510.61	515.56				DRY @ 4.87
SW-G8	Upstream of SW-S1	9/23/2020	510.61	515.56				DRY @ 4.65
SW-G9	SW-S1	7/6/2020	490.93	494.35		0.34	491.27	
SW-G9	SW-S1	8/13/2020	490.93	494.35	5.42		488.93	
SW-G9	SW-S1	9/23/2020	490.93	494.35				DRY @ 6.25

Environmental Monitoring Data

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill ---Surface Water Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	pH (Field) (std. Units)	Spec. Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)	Turbidity (Field) (NTU)	Dissolved Oxygen, (Field) (mg/L)
SW-GS1	SGS1200701P	7/1/2020	6.51		15.9		
SW-GS1	SGS1200924P	9/24/2020	6.2		15.63	4.86	
SW-N4	SN4-200701P	7/1/2020	7.12		16.4		
SW-SL3	SSL3200923P	9/23/2020	7.02		18.67		

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Surface Water ISGP Analytes
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Zinc, total (mg/L)
SW-GS1	SGS1200701P	7/1/2020	0.0103	2 U	1 U	0.000809
SW-GS1	SGS1200924P	9/24/2020	0.0257	2 U	1.1	0.00155
SW-N4	SN4-200701P	7/1/2020	0.0075 T	2 U	3	0.0129
SW-SL3	SSL3200923P	9/23/2020	0.0058 T	2 U	3.4	0.00308

Data Collected from July 01, 2020 to September 30, 2020
Cedar Hills Landfill ---Surface Water VOAs Analytes
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	3-,4-Methylphenol mixture 15831-10-4 (ug/L)	Alpha-Terpineol 98-55-5 (ug/L)	Benzoic Acid 65-85-0 (ug/L)	Phenol 108-95-2 (ug/L)
SW-GS1	SGS1200701P	7/1/2020	0.476 U	0.476 U	9.52 U	0.476 U
SW-GS1	SGS1200924P	9/24/2020	0.481 U	0.481 U	9.62 U	0.481 U
SW-N4	SN4-200701P	7/1/2020	0.476 U	0.476 U	9.52 U	0.476 U
SW-SL3	SSL3200923P	9/23/2020	0.49 U	0.49 U	9.8 U	0.49 U

Washington Department of Ecology
Electronic Submission Cover Letter

WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1749334 - 11/17/2020 8:01:05 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 Tuesday November 17 2020

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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3wOexilWffOJRTJXmE75yLspmjFDkDePhqhOph6U0299edgG0p3jA6T3GnsslbfIDQRBGfN930i0CBNBy4YamP1VMkmQnCDXGEmzkVMSzEc=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 07/01/2020 - 09/30/2020 **Outfall:** GS1 - Discharge to unnamed stream (wetland) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol [3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-] Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
1-W	**7/1/20**	A	No	2.19	<2	<1	0.0103	<0.476	<9.52	<0.476	<0.476	0.809
13-Th	**9/24/20**	4.86	No	A	<2	1.1	0.0257	<0.481	<9.62	<0.481	<0.481	1.55
Minimum												
Average		4.9		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	<1	0.0103	<0.476	<9.52	<0.476	<0.476	0.809
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	1.1	0.0257	<0.476	<9.62	<0.481	<0.481	1.55
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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

Week	Monitoring Point	pH Standard Units Quarterly Grab
		GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
1-W	**7/1/20**	6.51
13-Th	**9/24/20**	6.2
Minimum		6.2
		>= 6.0 (RO)
Average		
Maximum		6.51
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 07/01/2020 - 09/30/2020 **Outfall:** N4 - Discharge to unnamed stream (McDonald Cr) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		N4	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
1-W	7/1/20	A	No	2.91	<2	3	0.0075	<0.476	<9.52	<0.476	<0.476	12.9
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	3.4	0.0058	<0.49	<9.8	<0.49	<0.49	3.08
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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

Week	Monitoring Point	pH Standard Units Quarterly Grab
		N4
	Limit Set	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
1-W	7/1/20	7.12
Minimum		7.12
		>= 6.0 (RO)
Average		
Maximum		7.12
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 07/01/2020 - 09/30/2020 **Outfall:** SL3 - Discharge to unnamed stream (ditch) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol [3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-] Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
13-W	**9/23/20**	A	No	A	<2	3.4	0.0058	<0.49	<9.8	<0.49	<0.49	3.08
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	3.4	0.0058	<0.49	<9.8	<0.49	<0.49	3.08
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: A - Consistent Attainment Of Benchmark, 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 — **Signature**

11/17/2020 8:01:04 AM — **Date**

Week	Monitoring Point	pH Standard Units Quarterly Grab
		SL3
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
13-W	**9/23/20**	7.02
Minimum		7.02
		>= 6.0 (RO)
Average		
Maximum		7.02
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1734993 - 8/7/2020 4:17:06 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Friday August 7 2020

Attestation Agreed to at Signing:

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

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

For Ecology Use Only



CGsd4TyTrvJIatWz40JiAD7vo6qLzMDRHlkMNoxcipNK5V6m10F8Qgyi1cTXRYO31zIM8oY/eHlCrk3hNGNflRV7c5vRSrM
HjkygMuYxaNw=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 07/01/2020 - 07/31/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-W	**7/1/20**	M	M
1-Th	**7/2/20**	M	M
1-F	**7/3/20**	M	M
1-Sa	**7/4/20**	M	M
2-Su	**7/5/20**	M	M
2-M	**7/6/20**	M	M
2-T	**7/7/20**	M	M
2-W	**7/8/20**	M	M
2-Th	**7/9/20**	M	M
2-F	**7/10/20**	M	M
2-Sa	**7/11/20**	M	M
3-Su	**7/12/20**	M	M
3-M	**7/13/20**	M	M
3-T	**7/14/20**	M	M
3-W	**7/15/20**	M	M
3-Th	**7/16/20**	M	M
3-F	**7/17/20**	M	M
3-Sa	**7/18/20**	M	M
4-Su	**7/19/20**		M
4-M	**7/20/20**	6.0	M
4-T	**7/21/20**		M
4-W	**7/22/20**		M
4-Th	**7/23/20**		M
4-F	**7/24/20**		M
4-Sa	**7/25/20**		M
5-Su	**7/26/20**	M	M
5-M	**7/27/20**	M	M
5-T	**7/28/20**	M	M
5-W	**7/29/20**	M	M
5-Th	**7/30/20**	M	M
5-F	**7/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		6.0	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule. Some of the construction work is currently scheduled for August - September 2020 with the remaining construction work to be completed in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond

	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 07/01/2020 - 07/31/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-W	**7/1/20**	M	M
1-Th	**7/2/20**	M	M
1-F	**7/3/20**	M	M
1-Sa	**7/4/20**	M	M
2-Su	**7/5/20**	M	M
2-M	**7/6/20**	M	M
2-T	**7/7/20**	M	M
2-W	**7/8/20**	M	M
2-Th	**7/9/20**	M	M
2-F	**7/10/20**	M	M
2-Sa	**7/11/20**	M	M
3-Su	**7/12/20**	M	M
3-M	**7/13/20**	M	M
3-T	**7/14/20**	M	M
3-W	**7/15/20**	M	M
3-Th	**7/16/20**	M	M
3-F	**7/17/20**	M	M
3-Sa	**7/18/20**	M	M
4-Su	**7/19/20**		M
4-M	**7/20/20**	C	M
4-T	**7/21/20**		M
4-W	**7/22/20**		M
4-Th	**7/23/20**		M
4-F	**7/24/20**		M
4-Sa	**7/25/20**		M
5-Su	**7/26/20**	M	M
5-M	**7/27/20**	M	M
5-T	**7/28/20**	M	M
5-W	**7/29/20**	M	M
5-Th	**7/30/20**	M	M
5-F	**7/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule. Some of the construction work is currently scheduled for August - September 2020 with the remaining construction work to be completed in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond

	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 07/01/2020 - 07/31/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-W	**7/1/20**	M	M	M	M
1-Th	**7/2/20**	M	M	M	M
1-F	**7/3/20**	M	M	M	M
1-Sa	**7/4/20**	M	M	M	M
2-Su	**7/5/20**	M	M	M	M
2-M	**7/6/20**	M	M	M	M
2-T	**7/7/20**	M	M	M	M
2-W	**7/8/20**	M	M	M	M
2-Th	**7/9/20**	M	M	M	M
2-F	**7/10/20**	M	M	M	M
2-Sa	**7/11/20**	M	M	M	M
3-Su	**7/12/20**	M	M	M	M
3-M	**7/13/20**	M	M	M	M
3-T	**7/14/20**	M	M	M	M
3-W	**7/15/20**	M	M	M	M
3-Th	**7/16/20**	M	M	M	M
3-F	**7/17/20**	M	M	M	M
3-Sa	**7/18/20**	M	M	M	M
4-Su	**7/19/20**		M		M
4-M	**7/20/20**	C	M	M	M
4-T	**7/21/20**		M		M
4-W	**7/22/20**		M		M
4-Th	**7/23/20**		M		M
4-F	**7/24/20**		M		M
4-Sa	**7/25/20**		M		M
5-Su	**7/26/20**	M	M	M	M
5-M	**7/27/20**	M	M	M	M
5-T	**7/28/20**	M	M	M	M
5-W	**7/29/20**	M	M	M	M
5-Th	**7/30/20**	M	M	M	M
5-F	**7/31/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	M	C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule. Some of the construction work is currently scheduled for August - September 2020 with the remaining construction work to be completed in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles

	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

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.

Joan Kenton
Signature

8/7/2020 4:17:09 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1739931 - 9/15/2020 11:42:44 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Tuesday September 15 2020

Attestation Agreed to at Signing:

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

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

For Ecology Use Only



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+m5jSrVfGSx3/Hur44yuuB/G5vToYMbyLU8nVBhzoYI3cNTRjuxK2F59wohD9PNcWVhKO2qf57/SWviL/DI=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 08/01/2020 - 08/31/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-Sa	**8/1/20**	M	M
2-Su	**8/2/20**	M	M
2-M	**8/3/20**	M	M
2-T	**8/4/20**	M	M
2-W	**8/5/20**	M	M
2-Th	**8/6/20**	M	M
2-F	**8/7/20**	M	M
2-Sa	**8/8/20**	M	M
3-Su	**8/9/20**	M	M
3-M	**8/10/20**	M	M
3-T	**8/11/20**	M	M
3-W	**8/12/20**	M	M
3-Th	**8/13/20**	M	M
3-F	**8/14/20**	M	M
3-Sa	**8/15/20**	M	M
4-Su	**8/16/20**		M
4-M	**8/17/20**	C	M
4-T	**8/18/20**		M
4-W	**8/19/20**		M
4-Th	**8/20/20**		M
4-F	**8/21/20**		M
4-Sa	**8/22/20**		M
5-Su	**8/23/20**		M
5-M	**8/24/20**	C	M
5-T	**8/25/20**		M
5-W	**8/26/20**		M
5-Th	**8/27/20**		M
5-F	**8/28/20**		M
5-Sa	**8/29/20**		M
6-Su	**8/30/20**		M
6-M	**8/31/20**	C	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which the time the site will become inactive and temporarily stabilized. In accordance with section S4.B.2. of the permit, the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles

	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 08/01/2020 - 08/31/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-Sa	**8/1/20**	M	M
2-Su	**8/2/20**	M	M
2-M	**8/3/20**	M	M
2-T	**8/4/20**	M	M
2-W	**8/5/20**	M	M
2-Th	**8/6/20**	M	M
2-F	**8/7/20**	M	M
2-Sa	**8/8/20**	M	M
3-Su	**8/9/20**	M	M
3-M	**8/10/20**	M	M
3-T	**8/11/20**	M	M
3-W	**8/12/20**	M	M
3-Th	**8/13/20**	M	M
3-F	**8/14/20**	M	M
3-Sa	**8/15/20**	M	M
4-Su	**8/16/20**		M
4-M	**8/17/20**	C	M
4-T	**8/18/20**		M
4-W	**8/19/20**		M
4-Th	**8/20/20**		M
4-F	**8/21/20**		M
4-Sa	**8/22/20**		M
5-Su	**8/23/20**		M
5-M	**8/24/20**	C	M
5-T	**8/25/20**		M
5-W	**8/26/20**		M
5-Th	**8/27/20**		M
5-F	**8/28/20**		M
5-Sa	**8/29/20**		M
6-Su	**8/30/20**		M
6-M	**8/31/20**	C	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which the time the site will become inactive and temporarily stabilized. In accordance with section S4.B.2. of the permit, the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles

	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike
	6	Check Dams
	6	Sediment Trap
	6	Silt Fence
	6	Straw Wattles
	6	Temporary Sediment Pond
	6	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 08/01/2020 - 08/31/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-Sa	**8/1/20**	M	M	M	M
2-Su	**8/2/20**	M	M	M	M
2-M	**8/3/20**	M	M	M	M
2-T	**8/4/20**	M	M	M	M
2-W	**8/5/20**	M	M	M	M
2-Th	**8/6/20**	M	M	M	M
2-F	**8/7/20**	M	M	M	M
2-Sa	**8/8/20**	M	M	M	M
3-Su	**8/9/20**	M	M	M	M
3-M	**8/10/20**	M	M	M	M
3-T	**8/11/20**	M	M	M	M
3-W	**8/12/20**	M	M	M	M
3-Th	**8/13/20**	M	M	M	M
3-F	**8/14/20**	M	M	M	M
3-Sa	**8/15/20**	M	M	M	M
4-Su	**8/16/20**		M		M
4-M	**8/17/20**	C	M	C	M
4-T	**8/18/20**		M		M
4-W	**8/19/20**		M		M
4-Th	**8/20/20**		M		M
4-F	**8/21/20**		M		M
4-Sa	**8/22/20**		M		M
5-Su	**8/23/20**		M		M
5-M	**8/24/20**	C	M	C	M
5-T	**8/25/20**		M		M
5-W	**8/26/20**		M		M
5-Th	**8/27/20**		M		M
5-F	**8/28/20**		M		M
5-Sa	**8/29/20**		M		M
6-Su	**8/30/20**		M		M
6-M	**8/31/20**	C	M	C	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	M	C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which the time the site will become inactive and temporarily stabilized. In accordance with section S4.B.2. of the permit, the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence

	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike
	6	Check Dams
	6	Sediment Trap
	6	Silt Fence
	6	Straw Wattles
	6	Temporary Sediment Pond
	6	Triangular Silt Dike

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.

Joan Kenton
Signature

9/15/2020 11:42:43 AM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1744672 - 10/15/2020 1:56:48 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Thursday October 15 2020

Attestation Agreed to at Signing:

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

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

For Ecology Use Only



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Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 09/01/2020 - 09/30/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-T	**9/1/20**		M
1-W	**9/2/20**	C	M
1-Th	**9/3/20**		M
1-F	**9/4/20**		M
1-Sa	**9/5/20**		M
2-Su	**9/6/20**		M
2-M	**9/7/20**		M
2-T	**9/8/20**	C	M
2-W	**9/9/20**		M
2-Th	**9/10/20**		M
2-F	**9/11/20**		M
2-Sa	**9/12/20**		M
3-Su	**9/13/20**		M
3-M	**9/14/20**	C	M
3-T	**9/15/20**		M
3-W	**9/16/20**		M
3-Th	**9/17/20**		M
3-F	**9/18/20**		M
3-Sa	**9/19/20**		M
4-Su	**9/20/20**		M
4-M	**9/21/20**		M
4-T	**9/22/20**		M
4-W	**9/23/20**		M
4-Th	**9/24/20**	C	M
4-F	**9/25/20**		M
4-Sa	**9/26/20**		M
5-Su	**9/27/20**		M
5-M	**9/28/20**	C	M
5-T	**9/29/20**		M
5-W	**9/30/20**		M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which time the site will become inactive and temporarily stabilized. This construction project is on-going with the remaining work scheduled for 2021. In accordance with section S4.B.2. of the permit, while the site is temporarily stabilized the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles

	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 09/01/2020 - 09/30/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-T	**9/1/20**		M
1-W	**9/2/20**	C	M
1-Th	**9/3/20**		M
1-F	**9/4/20**		M
1-Sa	**9/5/20**		M
2-Su	**9/6/20**		M
2-M	**9/7/20**		M
2-T	**9/8/20**	C	M
2-W	**9/9/20**		M
2-Th	**9/10/20**		M
2-F	**9/11/20**		M
2-Sa	**9/12/20**		M
3-Su	**9/13/20**		M
3-M	**9/14/20**	C	M
3-T	**9/15/20**		M
3-W	**9/16/20**		M
3-Th	**9/17/20**		M
3-F	**9/18/20**		M
3-Sa	**9/19/20**		M
4-Su	**9/20/20**		M
4-M	**9/21/20**		M
4-T	**9/22/20**		M
4-W	**9/23/20**		M
4-Th	**9/24/20**	C	M
4-F	**9/25/20**		M
4-Sa	**9/26/20**		M
5-Su	**9/27/20**		M
5-M	**9/28/20**	C	M
5-T	**9/29/20**		M
5-W	**9/30/20**		M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which time the site will become inactive and temporarily stabilized. This construction project is on-going with the remaining work scheduled for 2021. In accordance with section S4.B.2. of the permit, while the site is temporarily stabilized the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles

	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 09/01/2020 - 09/30/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-T	**9/1/20**		M		M
1-W	**9/2/20**	C	M	C	M
1-Th	**9/3/20**		M		M
1-F	**9/4/20**		M		M
1-Sa	**9/5/20**		M		M
2-Su	**9/6/20**		M		M
2-M	**9/7/20**		M		M
2-T	**9/8/20**	C	M	C	M
2-W	**9/9/20**		M		M
2-Th	**9/10/20**		M		M
2-F	**9/11/20**		M		M
2-Sa	**9/12/20**		M		M
3-Su	**9/13/20**		M		M
3-M	**9/14/20**	C	M	C	M
3-T	**9/15/20**		M		M
3-W	**9/16/20**		M		M
3-Th	**9/17/20**		M		M
3-F	**9/18/20**		M		M
3-Sa	**9/19/20**		M		M
4-Su	**9/20/20**		M		M
4-M	**9/21/20**		M		M
4-T	**9/22/20**		M		M
4-W	**9/23/20**		M		M
4-Th	**9/24/20**	C	M	C	M
4-F	**9/25/20**		M		M
4-Sa	**9/26/20**		M		M
5-Su	**9/27/20**		M		M
5-M	**9/28/20**	C	M	C	M
5-T	**9/29/20**		M		M
5-W	**9/30/20**		M		M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	M	C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities resumed at the site the week of August 17, 2020 and returned to a weekly inspection frequency. Construction work for 2020 is scheduled to end in October 2020 at which time the site will become inactive and temporarily stabilized. This construction project is on-going with the remaining work scheduled for 2021. In accordance with section S4.B.2. of the permit, while the site is temporarily stabilized the inspection frequency will be reduced to once every calendar month and will continue on this schedule until construction activities recommence in 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence

	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

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.

Joan Kenton — **Signature**

10/15/2020 1:56:50 PM — **Date**

Leachate Field and Analytical Data

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Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Leachate Monitoring Activities 3rd Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-46N	7/15/2020	Monthly Characterization Sample	L46N200715M	
LS-46N	8/12/2020	Monthly Characterization Sample	L46N200812M	
LS-46N	9/9/2020	Monthly Characterization Sample	L46N200909M	
LS-A567	7/16/2020	Special Investigation	L567200716I	
LS-A567	8/13/2020	Special Investigation	L567200813I	
LS-A567	9/10/2020	Special Investigation	L567200910I	
LS-A567	9/10/2020	Special Investigation	L56720091OI2	
LS-A8	7/16/2020	Special Investigation	LA8-200716I	
LS-A8	7/16/2020	QA/QC Sample	LA8-200716D	
LS-A8	8/13/2020	Special Investigation	LA81200813I	
LS-A8	9/10/2020	Special Investigation	LA81200910I	
LS-A8	9/10/2020	Special Investigation	LA8120091OI2	
LS-FB	7/7/2020	QA/QC Sample	LEPS200707F	
LS-FB	9/10/2020	QA/QC Sample	LP4-200910F	
LS-LEPS	7/7/2020	Permit	LEPS200707P	
LS-LEPS	7/15/2020	Permit	LEPS200715P	
LS-LEPS	7/15/2020	Monthly Characterization Sample	LEPS200715M	
LS-LEPS	7/21/2020	Permit	LEPS200721P	
LS-LEPS	7/25/2020	Permit	LEPS200728P	
LS-LEPS	8/5/2020	Permit	LEPS200805P	
LS-LEPS	8/12/2020	Monthly Characterization Sample	LEPS200812M	
LS-LEPS	8/12/2020	Permit	LEPS200812P	
LS-LEPS	8/18/2020	Permit	LEPS200818P	
LS-LEPS	8/25/2020	Permit	LEPS200825P	
LS-LEPS	9/2/2020	Permit	LEPS200902P	
LS-LEPS	9/9/2020	Monthly Characterization Sample	LEPS200909M	
LS-LEPS	9/10/2020	Special Investigation	LEPS200910I2	
LS-LEPS	9/9/2020	Permit	LEPS200909P	
LS-LEPS	9/15/2020	Permit	LEPS200915P	
LS-LEPS	9/22/2020	Permit	LEPS200922P	
LS-PS1A	7/16/2020	Special Investigation	LP1A200716I	
LS-PS1A	8/13/2020	Special Investigation	LP1A200813I	
LS-PS1A	8/13/2020	QA/QC Sample	LP1A200813D	
LS-PS1A	9/10/2020	Special Investigation	LP1A200910I	
LS-PS1A	9/10/2020	Special Investigation	LP1A200910I2	
LS-PS2A	7/15/2020	Monthly Characterization Sample	LP2A200715M	
LS-PS2A	8/12/2020	Monthly Characterization Sample	LP2A200812M	
LS-PS2A	9/9/2020	Monthly Characterization Sample	LP2A200909M	
LS-PS4	7/16/2020	Special Investigation	LP4-200716I	
LS-PS4	8/13/2020	Special Investigation	LP4-200813I	
LS-PS4	9/10/2020	Special Investigation	LP4-200910I	

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Leachate Monitoring Activities 3rd Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-PS4	9/10/2020	Special Investigation	LP4-200910I2	
LS-PS4	9/10/2020	QA/QC Sample	LP4-200910D2	
LS-V1A	7/15/2020	Monthly Characterization Sample	LV1A200715M	
LS-V1A	8/12/2020	Special Investigation	LV1A200812M	
LS-V1A	9/9/2020	Monthly Characterization Sample	LV1A200909M	
LS-V1A	9/10/2020	Special Investigation	LV1A200910I2	
FIELD BLANK	9/10/2020	QA/QC Sample	LP4-200910F	

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)
LS-A567	7/16/2020	L567200716I	8.17	23330	31.4
LS-A567	8/13/2020	L567200813I	8.28	22464	32.5
LS-A567	9/10/2020	L567200910I2	8.15	24980	37
LS-A567	9/10/2020	L567200910I	8.15	24980	37
LS-A81	7/16/2020	LA8-200716I	5.72	28998	22.9
LS-A81	8/13/2020	LA81200813I	5.76	27670	16.4
LS-A81	9/10/2020	LA81200910I2	5.54	31361	27.5
LS-A81	9/10/2020	LA81200910I	5.54	31361	27.5
LS-LEPS	7/7/2020	LEPS200707P	8.4	8106	19.7
LS-LEPS	7/15/2020	LEPS200715M	8.33	8760	20.5
LS-LEPS	7/15/2020	LEPS200715P	8.33	8760	20.5
LS-LEPS	7/21/2020	LEPS200721P	8.3	9320	23
LS-LEPS	8/5/2020	LEPS200805P	8.22	10140	23.9
LS-LEPS	8/12/2020	LEPS200812M	8.45	11087	19.2
LS-LEPS	8/12/2020	LEPS200812P	8.45	11087	19.2
LS-LEPS	8/18/2020	LEPS200818P	8.04	10400	21
LS-LEPS	8/25/2020	LEPS200825P	10.1	11480	20.3
LS-LEPS	9/2/2020	LEPS200902P	8.3	12870	19.4
LS-LEPS	9/9/2020	LEPS200909M	8.39	13006	20.3
LS-LEPS	9/9/2020	LEPS200909P	8.39	13006	20.3
LS-LEPS	9/10/2020	LEPS200910I2	8.42	12979	20.1
LS-LEPS	9/15/2020	LEPS200915P	8.37	12430	18.7
LS-LEPS	9/22/2020	LEPS200922P	8.57	11560	18.4
LS-LEPS	9/28/2020	LEPS200928P	8.37	8905	22
LS-MH46N	7/15/2020	L46N200715M	7.09	7050	26.2
LS-MH46N	8/12/2020	L46N200812M	6.75	11110	23.9
LS-MH46N	9/9/2020	L46N200909M	7.12	12046	27.2
LS-PS1A	7/16/2020	LP1A200716I	7.64	3176	18.4
LS-PS1A	8/13/2020	LP1A200813I	7.97	8781	16.7
LS-PS1A	9/10/2020	LP1A200910I	7.85	11218	17.4
LS-PS1A	9/10/2020	LP1A200910I2	7.85	11218	17.4
LS-PS2A	7/15/2020	LP2A200715M	6.11	232.3	15.7
LS-PS2A	8/12/2020	LP2A200812M	7.46	864.8	14.1
LS-PS2A	9/9/2020	LP2A200909M	6.55	1131	14.2
LS-PS4	7/16/2020	LP4-200716I	7.84	2014	20.5
LS-PS4	8/13/2020	LP4-200813I	8.26	2596	16.5
LS-PS4	9/10/2020	LP4-200910I	7.51	3798	17.4
LS-PS4	9/10/2020	LP4-200910I2	7.51	3798	17.4
LS-V1A	7/15/2020	LV1A200715M	8.47	8827	21.7
LS-V1A	8/12/2020	LV1A200812M	8.46	12897	21.7

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)
LS-V1A	9/9/2020	LV1A200909M	8.41	13277	23
LS-V1A	9/10/2020	LV1A200910I2	8.23	20739	26
FIELD BLANK	9/10/2020	LP4-200910F	6.78	1	22.1
LS-PS1A	1/9/2020	LP1A200109I	6.62	163.6	9.6
LS-PS1A	1/9/2020	LP1A200109I2	6.62	163.6	9.6
LS-PS1A	2/11/2020	LP1A200211I	6.98	805	11.4
LS-PS1A	2/11/2020	LP1A200211I2	6.98	805	11.4
LS-PS1A	3/19/2020	LP1A200319I	7.5	1484	11.1
LS-PS1A	3/19/2020	LP1A200319I2	7.5	1484	11.1
LS-PS2A	1/8/2020	LP2A200108M	6.39	152.5	8.6
LS-PS2A	2/5/2020	LP2A200205M	6.69	183.7	10.2
LS-PS2A	3/18/2020	PS2A200318M	7.79	627	9.6
LS-PS4	1/9/2020	LP4-200109D	7	866	10.8
LS-PS4	1/9/2020	LP4-200109I	7	866	10.8
LS-PS4	1/9/2020	LP4-200109I2	7	866	10.8
LS-PS4	2/11/2020	LP4-200211I	7.14	1005	12.6
LS-PS4	2/11/2020	LP4-200211I2	7.14	1005	12.6
LS-PS4	3/19/2020	LP4-200319I	7.14	1962	13
LS-PS4	3/19/2020	LP4-200319I2	7.14	1962	13
LS-V1A	1/9/2020	LV1A200109I2	7.66	4324	14.3
LS-V1A	1/9/2020	LV1A200109M	7.66	4324	14.3
LS-V1A	2/6/2020	LV1A200206M	7.12	2660	13.7
LS-V1A	2/11/2020	LV1A200211I2	7.86	1150	7.8
LS-V1A	3/18/2020	LV1A200318M	8.04	11440	15.7
LS-V1A	3/19/2020	LV1A200319I2	7.91	11281	14.4
FIELD BLANK	1/17/2020	LEPS200117F	9.6	0.65	3.1
FIELD BLANK	2/11/2020	LA81200211F	9.82	252.3	6.9
FIELD BLANK	3/19/2020	L567200319F	9.54	6.9	8.7

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Carbonate (mg/l)	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-A567	7/16/2020	L567200716I	303	9450	1480	3070	8550 S	2470				20 U	0.2 U
LS-A567	8/13/2020	L567200813I	782	10100	2020	3000	8040 S	2700				20 U	0.5 U
LS-A567	9/10/2020	L567200910I	193 J	10000	2570	3020	8400 S	2720				20 U	0.2 U
LS-A81	7/16/2020	LA8-200716I	1 U	11600	1750	40800	61300 S	2850				400 U	0.05 U
LS-A81	8/13/2020	LA81200813I	1 U	13400	2520	43800	72200 S	3090				200 U	0.05 U
LS-A81	9/10/2020	LA81200910I	1 U	12200	2650	46500	76900 S	3040				200 U	0.05 U
LS-LEPS	7/7/2020	LEPS200707P											
LS-LEPS	7/15/2020	LEPS200715M		3330	506	535	2460	862	12000	330000	0.01 SU	2 U	0.05 U
LS-LEPS	7/15/2020	LEPS200715P											
LS-LEPS	7/21/2020	LEPS200721P											
LS-LEPS	7/28/2020	LEPS200728P											
LS-LEPS	8/5/2020	LEPS200805P											
LS-LEPS	8/12/2020	LEPS200812M		4370	1090	1400	4280 S	1120	22000	140000	0.008 SU	5 U	0.1 U
LS-LEPS	8/12/2020	LEPS200812P											
LS-LEPS	8/18/2020	LEPS200818P											
LS-LEPS	8/25/2020	LEPS200825P											
LS-LEPS	9/2/2020	LEPS200902P											
LS-LEPS	9/9/2020	LEPS200909M		4910	1030	1840	5260 S	1370	3000	140000	0.016 ST	10 U	0.1 U
LS-LEPS	9/15/2020	LEPS200915P											
LS-LEPS	9/22/2020	LEPS200922P											
LS-MH46N	7/15/2020	L46N200715M		2520	422	50.8	1310	1300	1 U	1 U	0.01 ST	5 U	0.05 U
LS-MH46N	8/12/2020	L46N200812M		2920	597	99.9	1690	1650	1 U	1 U	0.01 SU	20 U	0.1 T
LS-MH46N	9/9/2020	L46N200909M		3260	642	106	1830	1730	1 U	2	0.011 ST	5 U	0.05 U
LS-PS1A	7/16/2020	LP1A200716I	1 U	989	177	46.3	425	337				0.4 U	0.857
LS-PS1A	8/13/2020	LP1A200813I	1 U	3330	942 J	115	1340	1140				1 U	0.18 T
LS-PS1A	9/10/2020	LP1A200910I	1 U	3630	827	99.2	1510	1310				1 U	0.1 U
LS-PS2A	7/15/2020	LP2A200715M		40.2	4.39	59.7	25.1	10	1 U	2300	0.008 U	0.119	3.05
LS-PS2A	8/12/2020	LP2A200812M		9.52	59.3 J	71	62.7	49.5	1 U	2500	0.002 U	0.075 T	3.74

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Carbonate (mg/l)	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-PS2A	9/9/2020	LP2A200909M		76.7	31.7	7.21	60.8	85.2	1 U	22	0.002 U	0.031 T	8.9
LS-PS4	7/16/2020	LP4-200716I	1 U	727	160	147	447	147				0.41 T	0.345
LS-PS4	8/13/2020	LP4-200813I	1 U	1310	253	641	1250	245				1 U	0.742
LS-PS4	9/10/2020	LP4-200910I	1 U	1260	300	804	1730	244				0.4 U	0.638
LS-V1A	7/15/2020	LV1A200715M		4470	771	2550	5430 S	1090	71000	1600000	0.014 ST	20 U	0.1 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Specific Conductance (umho/cm)	Sulfate (SO4) (mg/L)	Sulfide Total (mg/L)	Total Fats, Oils and Grease (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Total Volatile Solids (mg/L)	Volatile Suspended Solids (mg/L)
LS-A567	7/16/2020	L567200716I	22900	56.6	13.9		2310 S	1940 S	140	5510 H	111
LS-A567	8/13/2020	L567200813I	24400	58.9	0.9 T		2250 S	2620 S	21.2	5410 H	18.3
LS-A567	9/10/2020	L567200910I	25100	62.9	1.08		2180 S	2670 S	16	6270	12.9
LS-A81	7/16/2020	LA8-200716I	26800	1430	3.38		2520 S	17700 S	70	23100 H	44
LS-A81	8/13/2020	LA81200813I	28300	1430	1.5		2920 S	21200 S	243 J	19600 H	160 J
LS-A81	9/10/2020	LA81200910I	29900	1560	0.683		2800 S	21600 S	197	19900	127
LS-LEPS	7/7/2020	LEPS200707P									
LS-LEPS	7/15/2020	LEPS200715M	8730	55.6	0.274	3.3 T	705	413 S	756	2230 H	684
LS-LEPS	7/15/2020	LEPS200715P									
LS-LEPS	7/21/2020	LEPS200721P									
LS-LEPS	7/28/2020	LEPS200728P									
LS-LEPS	8/5/2020	LEPS200805P									
LS-LEPS	8/12/2020	LEPS200812M	11100	6.07	7.3	5.4 T	938 S	1120 S	740	2910 H	580
LS-LEPS	8/12/2020	LEPS200812P									
LS-LEPS	8/18/2020	LEPS200818P									
LS-LEPS	8/25/2020	LEPS200825P									
LS-LEPS	9/2/2020	LEPS200902P									
LS-LEPS	9/9/2020	LEPS200909M	13000	4.64	7.48	5.6 U	1070 S	2840 S	516	4140	353
LS-LEPS	9/15/2020	LEPS200915P									
LS-LEPS	9/22/2020	LEPS200922P									
LS-MH46N	7/15/2020	L46N200715M	9090	1.7 T	1.46	2.9 T	536	328	0.5 U	1100 H	0.5 U
LS-MH46N	8/12/2020	L46N200812M	11000	2.8 T	0.878	2.6 T	648	512 S	0.71 T	1780 H	0.71 T
LS-MH46N	9/9/2020	L46N200909M	11900	3.9 T	1.25	3.4 T	694	554	0.5 U	2040	0.5 U
LS-PS1A	7/16/2020	LP1A200716I	3200	23.2	0.0444		211	97	6.13	424 H	5.6
LS-PS1A	8/13/2020	LP1A200813I	9940	57.9	2.43		714 J	415	4.83	1070 H	4.17
LS-PS1A	9/10/2020	LP1A200910I	11100	66.1	4.8		791	451 S	2.5	1300	2.13
LS-PS2A	7/15/2020	LP2A200715M	235	33.2	0.015 T	1.8 U	5.29	8.18	2	52.7 H	1.5
LS-PS2A	8/12/2020	LP2A200812M	847	212	0.028 T	1.9 U	40.5 J	21.2	53.3	161 H	21.3

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Specific Conductance (umho/cm)	Sulfate (SO4) (mg/L)	Sulfide Total (mg/L)	Total Fats, Oils and Grease (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Total Volatile Solids (mg/L)	Volatile Suspended Solids (mg/L)
LS-PS2A	9/9/2020	LP2A200909M	1120	240	0.022 T	1.9 U	28.7	22.5	4	227	2
LS-PS4	7/16/2020	LP4-200716I	2020	27.2	0.128		135	90.6	54.2	407 H	35.3
LS-PS4	8/13/2020	LP4-200813I	3760	28	0.18 T		303	357	40.8	790 H	33.2
LS-PS4	9/10/2020	LP4-200910I	3790	45.6	1.05		299	437	197	1400	158
LS-V1A	7/15/2020	LV1A200715M	11900	64.9	0.653	2.4 T	1040 S	1450 S	130	3290 H	106

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, dissolved (mg/L)	Aluminum, total (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)
LS-A567	7/16/2020	L567200716I	1.27 U	56.1	0.076 U	5.26	0.653	6.85	0.798	8.04
LS-A567	8/13/2020	L567200813I	0.545	0.577	0.0176	0.017	0.336	0.333	0.452	0.45
LS-A567	9/10/2020	L567200910I	0.551	0.774	0.0162	0.0137	0.307	0.324	0.457	0.471
LS-A81	7/16/2020	LA8-200716I	1.34 U	1.77	0.0803 U	0.0757 U	0.092	0.114	0.747	0.684
LS-A81	8/13/2020	LA81200813I	0.551	1.49	0.0468	0.0464	0.117	0.133	0.602	0.678
LS-A81	9/10/2020	LA81200910I	0.271	1.82	0.0537	0.0499	0.0878	0.113	0.34	0.499
LS-LEPS	7/7/2020	LEPS200707P		0.425		0.016		0.142		0.0865
LS-LEPS	7/15/2020	LEPS200715M	0.216		0.0173		0.162		0.0614	
LS-LEPS	7/15/2020	LEPS200715P		0.706		0.0171		0.164		0.0975
LS-LEPS	7/21/2020	LEPS200721P		0.644		0.0171		0.173		0.0891
LS-LEPS	7/28/2020	LEPS200728P		0.541		0.0179		0.167		0.093
LS-LEPS	8/5/2020	LEPS200805P		0.614		0.0213		0.204		0.0861
LS-LEPS	8/12/2020	LEPS200812M	0.365		0.0216		0.215		0.0329	
LS-LEPS	8/12/2020	LEPS200812P		0.717		0.0204		0.214		0.0816
LS-LEPS	8/18/2020	LEPS200818P		0.813		0.0221		0.219		0.08
LS-LEPS	8/25/2020	LEPS200825P		1.49		0.0276		0.248		0.0895
LS-LEPS	9/2/2020	LEPS200902P		0.701		0.0254		0.246		0.0843
LS-LEPS	9/9/2020	LEPS200909M	0.426		0.0212		0.252		0.0381	
LS-LEPS	9/15/2020	LEPS200915P		0.682		0.0234		0.237		0.0596
LS-LEPS	9/22/2020	LEPS200922P		0.66		0.0237		0.231		0.0618
LS-MH46N	7/15/2020	L46N200715M		0.0529 U		0.00317 U		0.0864		0.358
LS-MH46N	8/12/2020	L46N200812M		0.0499 U		0.00299 U		0.0984		0.492
LS-MH46N	9/9/2020	L46N200909M		0.0523 U		0.00314 U		0.1		0.478
LS-PS1A	7/16/2020	LP1A200716I	0.052 U	0.0524 U	0.00847	0.00907	0.0543	0.0562	0.0883	0.0925
LS-PS1A	8/13/2020	LP1A200813I	0.0654	0.072	0.036	0.0369	0.211	0.211	0.311	0.307
LS-PS1A	9/10/2020	LP1A200910I	0.152	0.076	0.0383	0.0349	0.253	0.249	0.291	0.283
LS-PS2A	7/15/2020	LP2A200715M		0.0513 U		0.00308 U		0.00245		0.00607
LS-PS2A	8/12/2020	LP2A200812M		0.066		0.00405		0.011		0.0112
LS-PS2A	9/9/2020	LP2A200909M		0.0496 U		0.00345		0.00511		0.018
LS-PS4	7/16/2020	LP4-200716I	0.0511 U	0.161	0.0326	0.0373	0.35	0.42	0.0556	0.0907
LS-PS4	8/13/2020	LP4-200813I	0.109	0.418	0.0392	0.0382	0.333	0.335	0.0684	0.0744
LS-PS4	9/10/2020	LP4-200910I	0.0968	3.68	0.0438	0.0441	0.315	0.311	0.0519	0.0999
LS-V1A	7/15/2020	LV1A200715M	0.308	0.689	0.0232	0.0243	0.235	0.24	0.133	0.181
LS-V1A	8/12/2020	LV1A200812M	0.291	2.83	0.0275	0.0289	0.247	0.255	0.117	0.197
LS-V1A	9/9/2020	LV1A200909M	0.358	1.34	0.0309	0.0273	0.302	0.326	0.107	0.331

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium, total (mg/L)
LS-A567	7/16/2020	L567200716I	0.0253 U	5.43	0.0127 U	5.13	111	2190	0.466	5.77
LS-A567	8/13/2020	L567200813I	0.000997 U	0.000998 U	0.000498 U	0.000499 U	52	51	0.254	0.255
LS-A567	9/10/2020	L567200910I	0.00101 U	0.000992 U	0.000505 U	0.000496 U	50.6	56.6	0.258	0.254
LS-A81	7/16/2020	LA8-200716I	0.0268 U	0.0252 U	0.0134 U	0.0126 U	3150	3000	0.363	0.344
LS-A81	8/13/2020	LA81200813I	0.000962 U	0.000959 U	0.000481 U	0.000684	3420	3450	0.322	0.338
LS-A81	9/10/2020	LA81200910I	0.000972 U	0.000963 U	0.000486 U	0.000782	3520	3470	0.247	0.292
LS-LEPS	7/7/2020	LEPS200707P		0.00102 U		0.000508 U		89.9		0.101
LS-LEPS	7/15/2020	LEPS200715M	0.00102 U		0.00051 U		82		0.113	
LS-LEPS	7/15/2020	LEPS200715P		0.00101 U		0.000506 U		95.2		0.115
LS-LEPS	7/21/2020	LEPS200721P		0.00101 U		0.000503 U		90.4		0.122
LS-LEPS	7/28/2020	LEPS200728P		0.00105 U		0.000524 U		89.8		0.119
LS-LEPS	8/5/2020	LEPS200805P		0.00103 U		0.000516 U		83.7		0.14
LS-LEPS	8/12/2020	LEPS200812M	0.000993 U		0.000497 U		45.5		0.147	
LS-LEPS	8/12/2020	LEPS200812P		0.00102 U		0.00051 U		89.9		0.146
LS-LEPS	8/18/2020	LEPS200818P		0.000983 U		0.000492 U		85.7		0.16
LS-LEPS	8/25/2020	LEPS200825P		0.00103 U		0.000514 U		97.9		0.192
LS-LEPS	9/2/2020	LEPS200902P		0.000999 U		0.0005 U		96.4		0.175
LS-LEPS	9/9/2020	LEPS200909M	0.00101 U		0.000507 U		55.9		0.167	
LS-LEPS	9/15/2020	LEPS200915P		0.000974 DU		0.000487 U		71.1		0.164
LS-LEPS	9/22/2020	LEPS200922P		0.00105 U		0.000525 U		69.2		0.16
LS-MH46N	7/15/2020	L46N200715M		0.00106 U		0.000529 U		77.2		0.0826
LS-MH46N	8/12/2020	L46N200812M		0.000998 U		0.000499 U		88		0.103
LS-MH46N	9/9/2020	L46N200909M		0.00105 U		0.000523 U		89.6		0.112
LS-PS1A	7/16/2020	LP1A200716I	0.00104 U	0.00105 U	0.00052 U	0.000524 U	32.4	34	0.0164	0.0168
LS-PS1A	8/13/2020	LP1A200813I	0.00101 U	0.00101 U	0.000505 U	0.000506 U	72.5	72	0.0529	0.0536
LS-PS1A	9/10/2020	LP1A200910I	0.001 U	0.00101 U	0.000502 U	0.000505 U	69.5	71.8	0.0603	0.0591
LS-PS2A	7/15/2020	LP2A200715M		0.00103 U		0.000513 U		15.1		0.00205 U
LS-PS2A	8/12/2020	LP2A200812M		0.000996 U		0.000498 U		20.2		0.00199 U
LS-PS2A	9/9/2020	LP2A200909M		0.000991 U		0.000496 U		53.8		0.002
LS-PS4	7/16/2020	LP4-200716I	0.00102 U	0.00102 U	0.000511 U	0.000512 U	52.4	55.8	0.0123	0.0103
LS-PS4	8/13/2020	LP4-200813I	0.00101 U	0.00101 U	0.000503 U	0.000504 U	42.5	43.5	0.0247	0.0263
LS-PS4	9/10/2020	LP4-200910I	0.001 U	0.001 U	0.0005 U	0.000501 U	53.2	59.7	0.0197	0.0286
LS-V1A	7/15/2020	LV1A200715M	0.00103 U	0.00103 U	0.000514 U	0.000513 U	138	144	0.152	0.158
LS-V1A	8/12/2020	LV1A200812M	0.00102 U	0.000997 U	0.000508 U	0.000499 U	156	177	0.157	0.169
LS-V1A	9/9/2020	LV1A200909M	0.000975 U	0.000988 U	0.000488 U	0.000494 U	607	687 D	0.233	0.293

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)
LS-A567	7/16/2020	L567200716I	0.137	5.51	0.0507 DU	0.167 D	15.3	1370	0.0253 U	5.36
LS-A567	8/13/2020	L567200813I	0.0745	0.0744	0.0299	0.109	3.05	3.51	0.00185	0.0032
LS-A567	9/10/2020	L567200910I	0.0735	0.0733	0.0844	0.427	3.37	8.06	0.00395	0.00835
LS-A81	7/16/2020	LA8-200716I	0.258	0.258	0.0536 DU	0.0504 DU	341	324	0.0268 U	0.0252 U
LS-A81	8/13/2020	LA81200813I	0.278	0.273	0.0088	0.0235	400	394	0.00156	0.00649
LS-A81	9/10/2020	LA81200910I	0.288	0.292	0.0051	0.0267	282	352	0.00115	0.00828
LS-LEPS	7/7/2020	LEPS200707P		0.0258		0.00562		8.53		0.00112
LS-LEPS	7/15/2020	LEPS200715M	0.0267		0.00204 DU		7.48		0.00102 U	
LS-LEPS	7/15/2020	LEPS200715P		0.0283		0.00686		9.38		0.00142
LS-LEPS	7/21/2020	LEPS200721P		0.03		0.00531		9.23		0.00131
LS-LEPS	7/28/2020	LEPS200728P		0.0288		0.00614		8.68		0.00134
LS-LEPS	8/5/2020	LEPS200805P		0.0354		0.00562		11.5		0.0014
LS-LEPS	8/12/2020	LEPS200812M	0.034		0.00199 U		2.55		0.000993 U	
LS-LEPS	8/12/2020	LEPS200812P		0.0365		0.00687		12.9		0.00149
LS-LEPS	8/18/2020	LEPS200818P		0.0395		0.00594		13.6		0.00201
LS-LEPS	8/25/2020	LEPS200825P		0.0469		0.0121		16.3		0.0027
LS-LEPS	9/2/2020	LEPS200902P		0.0427		0.00634		15.2		0.00239
LS-LEPS	9/9/2020	LEPS200909M	0.0389		0.00203 U		3.28		0.00101 U	
LS-LEPS	9/15/2020	LEPS200915P		0.0416 D		0.00867		12.2		0.00274 D
LS-LEPS	9/22/2020	LEPS200922P		0.0398		0.0094		11.2		0.00302
LS-MH46N	7/15/2020	L46N200715M		0.0285		0.00212 DU		2.01		0.00106 U
LS-MH46N	8/12/2020	L46N200812M		0.0339		0.002 U		2.54		0.000998 U
LS-MH46N	9/9/2020	L46N200909M		0.0359		0.00209 U		2.39		0.00105 U
LS-PS1A	7/16/2020	LP1A200716I	0.00785	0.00803	0.00309 D	0.00561 D	0.549	0.691	0.00104 U	0.00105 U
LS-PS1A	8/13/2020	LP1A200813I	0.0273	0.0275	0.00202 U	0.00258	1.36	2.45	0.00101 U	0.00101 U
LS-PS1A	9/10/2020	LP1A200910I	0.0307	0.0307	0.00201 U	0.00252	0.772	2.9	0.001 U	0.00101 U
LS-PS2A	7/15/2020	LP2A200715M		0.000513 U		0.0113 D		0.77		0.00103 U
LS-PS2A	8/12/2020	LP2A200812M		0.00151		0.0109		1.71		0.000996 U
LS-PS2A	9/9/2020	LP2A200909M		0.002		0.00844		1.3		0.000991 U
LS-PS4	7/16/2020	LP4-200716I	0.00506	0.00468	0.00233 D	0.00622 D	1.21	8.76	0.00102 U	0.00102 U
LS-PS4	8/13/2020	LP4-200813I	0.00772	0.00804	0.00215	0.00547	2.12	3.41	0.00101 U	0.00101 U
LS-PS4	9/10/2020	LP4-200910I	0.00763	0.00923	0.002 U	0.0216	9.15	22.5	0.001 U	0.00238
LS-V1A	7/15/2020	LV1A200715M	0.0358	0.0369	0.00335 D	0.0103 D	8.95	12.5	0.00103 U	0.00169
LS-V1A	8/12/2020	LV1A200812M	0.039	0.0424	0.00203 U	0.0141	12.3	20.3	0.00102 U	0.00324
LS-V1A	9/9/2020	LV1A200909M	0.0773	0.0857	0.00195 U	0.011	22.9	69.1	0.000975 U	0.00392

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
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)
LS-LEPS	7/15/2020	LEPS200715M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	8/12/2020	LEPS200812M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	9/9/2020	LEPS200909M	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
LS-MH46N	7/15/2020	L46N200715M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	8/12/2020	L46N200812M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	9/9/2020	L46N200909M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	7/15/2020	LP2A200715M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	8/12/2020	LP2A200812M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	9/9/2020	LP2A200909M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	7/15/2020	LV1A200715M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	8/12/2020	LV1A200812M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	9/9/2020	LV1A200909M	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2020	VTRP200715Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2020	VTRP200715Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	8/11/2020	VTRP200812Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	8/11/2020	VTRP200812Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	9/8/2020	VTRP200909Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	9/8/2020	VTRP200909Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dibromo-3-Chloropropane 96-12-8 (ug/L)	1,2-Dibromo-ethane 106-93-4 (ug/L)	1,2-Dichloro-benzene 95-50-1 (ug/L)	1,2-Dichloro-ethane 107-06-2 (ug/L)	1,2-Dichloro-propane 78-87-5 (ug/L)	1,3 Dichloro-benzene 541-73-1 (ug/L)	1,3-Dichloro-propane 142-28-9 (ug/L)	1,4-Dichloro-benzene 106-46-7 (ug/L)	2,2-Dichloro-propane 594-20-7 (ug/L)	2-Butanone 78-93-3 (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1350
LS-LEPS	8/12/2020	LEPS200812M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2090 D
LS-LEPS	9/9/2020	LEPS200909M	250 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2490
LS-MH46N	7/15/2020	L46N200715M	25 U	1 U	1.89 JT	1 U	1 U	1 U	1 U	7.15	1 U	2.5 U
LS-MH46N	8/12/2020	L46N200812M	25 U	1 U	2.38	1 U	1 U	1 U	1 U	9.55	1 U	2.5 U
LS-MH46N	9/9/2020	L46N200909M	25 U	1 U	1.73 JT	1 U	1 U	1 U	1 U	6.56	1 U	2.5 U
LS-PS2A	7/15/2020	LP2A200715M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	8/12/2020	LP2A200812M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	9/9/2020	LP2A200909M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-V1A	7/15/2020	LV1A200715M	25 U	1 U	1 U	1.98 JT	1 U	1 U	1 U	1 U	1 U	4900 D
LS-V1A	8/12/2020	LV1A200812M	25 U	1 U	1 U	2.61	1 U	1 U	1 U	1 U	1 U	4830 D
LS-V1A	9/9/2020	LV1A200909M	250 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	13600 D
VOA TRIP BLANK	7/14/2020	VTRP200715X	2.5 U	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	7/14/2020	VTRP200715Y	2.5 U	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	7/14/2020	VTRP200715Z	2.5 U	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	8/11/2020	VTRP200812Y	2.5 U	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	8/11/2020	VTRP200812Z	2.5 U	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	9/8/2020	VTRP200909Y	2.5 U	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	9/8/2020	VTRP200909Z	2.5 U	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

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Site	Date	Sample ID	2-Hexanone 591-78-6 (ug/L)	2-Methyl-1-propanol 78-83-1 (ug/L)	3-Chloro-propene 107-05-1 (ug/L)	4-Methyl-2-Pentanone 108-10-1 (ug/L)	Acetone 67-64-1 (ug/L)	Acetonitrile 75-05-8 (ug/L)	Acrolein 107-02-8 (ug/L)	Acrylonitrile 107-13-1 (ug/L)	Benzene 71-43-2 (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	5 U	50 U	1 U	25 U	1430 D	50 U	25 U	0.35 U	1 U
LS-LEPS	8/12/2020	LEPS200812M	5 U	50 U	1 U	25 U	3590 D	50 U	25 U	0.35 U	1 U
LS-LEPS	9/9/2020	LEPS200909M	50 U	500 U	10 U	250 U	3840	500 U	250 U	3.5 U	10 U
LS-MH46N	7/15/2020	L46N200715M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	2.87
LS-MH46N	8/12/2020	L46N200812M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.57
LS-MH46N	9/9/2020	L46N200909M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	7/15/2020	LP2A200715M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	8/12/2020	LP2A200812M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	9/9/2020	LP2A200909M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-V1A	7/15/2020	LV1A200715M	10.8	183	1 U	41.2 JT	5820 D	51.1 JT	25 U	0.35 U	1 U
LS-V1A	8/12/2020	LV1A200812M	10.4	294	1 U	39.9 JT	6370 D	54.6 JT	25 U	0.35 U	1 U
LS-V1A	9/9/2020	LV1A200909M	66.9 JT	1250	10 U	250 U	14800 D	500 U	250 U	3.5 U	10 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	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	7/14/2020	VTRP200715Y	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	7/14/2020	VTRP200715Z	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	8/11/2020	VTRP200812Y	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	8/11/2020	VTRP200812Z	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	9/8/2020	VTRP200909Y	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	9/8/2020	VTRP200909Z	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

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Site	Date	Sample ID	Bromochloro-methane 74-97-5 (ug/L)	Bromodichloro-methane 75-27-4 (ug/L)	Bromoform 75-25-2 (ug/L)	Bromo-methane 74-83-9 (ug/L)	Carbon Disulfide 75-15-0 (ug/L)	Carbon Tetrachloride 56-23-5 (ug/L)	Chloro-benzene 108-90-7 (ug/L)	Chloro-dibromo-methane 124-48-1 (ug/L)	Chloroethane 75-00-3 (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	8/12/2020	LEPS200812M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	9/9/2020	LEPS200909M	10 U	25 U	50 U	10 U	10 U	25 U	10 U	50 U	10 U
LS-MH46N	7/15/2020	L46N200715M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1.71 JT	5 U	1 U
LS-MH46N	8/12/2020	L46N200812M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.18	5 U	1 U
LS-MH46N	9/9/2020	L46N200909M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1.59 JT	5 U	1 U
LS-PS2A	7/15/2020	LP2A200715M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	8/12/2020	LP2A200812M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	9/9/2020	LP2A200909M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	7/15/2020	LV1A200715M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	8/12/2020	LV1A200812M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	9/9/2020	LV1A200909M	10 U	25 U	50 U	10 U	10 U	25 U	10 U	50 U	10 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	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	7/14/2020	VTRP200715Y	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	7/14/2020	VTRP200715Z	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	8/11/2020	VTRP200812Y	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	8/11/2020	VTRP200812Z	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	9/8/2020	VTRP200909Y	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	9/8/2020	VTRP200909Z	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

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Site	Date	Sample ID	Chloroform 67-66-3 (ug/L)	Chloro-methane 74-87-3 (ug/L)	Chloroprene 126-99-8 (ug/L)	cis-1,2-Dichloro-ethene 156-59-2 (ug/L)	cis-1,3-Dichloro-propene 10061-01-5 (ug/L)	Dibromo-methane 74-95-3 (ug/L)	Dichloro-difluoro-methane 75-71-8 (ug/L)	Ethylbenzene 100-41-4 (ug/L)	m & p Xylenes mpx (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	8/12/2020	LEPS200812M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	9/9/2020	LEPS200909M	10 U	25 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U
LS-MH46N	7/15/2020	L46N200715M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	30.9	29.8
LS-MH46N	8/12/2020	L46N200812M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	41.5	41.3
LS-MH46N	9/9/2020	L46N200909M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	24.9	23.6
LS-PS2A	7/15/2020	LP2A200715M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	8/12/2020	LP2A200812M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	9/9/2020	LP2A200909M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-V1A	7/15/2020	LV1A200715M	5.77	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.03 JT	2.55
LS-V1A	8/12/2020	LV1A200812M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.1 JT	2.7
LS-V1A	9/9/2020	LV1A200909M	10 U	25 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	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	7/14/2020	VTRP200715Y	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	7/14/2020	VTRP200715Z	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	8/11/2020	VTRP200812Y	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	8/11/2020	VTRP200812Z	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	9/8/2020	VTRP200909Y	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	9/8/2020	VTRP200909Z	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

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Site	Date	Sample ID	Methyl Iodide 74-88-4 (ug/L)	Methyl Methacrylate 80-62-6 (ug/L)	Methylacrylo-nitrile 126-98-7 (ug/L)	Methylene Chloride 75-09-2 (ug/L)	o-Xylene 95-47-6 (ug/L)	Proprionitrile 107-12-0 (ug/L)	Styrene 100-42-5 (ug/L)	Tetrachloro-ethene 127-18-4 (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	8/12/2020	LEPS200812M	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	9/9/2020	LEPS200909M	20 U	25 U	10 U	250 U	10 U	50 U	10 U	10 U
LS-MH46N	7/15/2020	L46N200715M	2 U	2.5 U	1 U	25 U	4.5	5 U	1.18 JT	1 U
LS-MH46N	8/12/2020	L46N200812M	2 U	2.5 U	1 U	25 U	4.8	5 U	1.43 JT	1 U
LS-MH46N	9/9/2020	L46N200909M	2 U	2.5 U	1 U	25 U	2.27	5 U	1.16 JT	1 U
LS-PS2A	7/15/2020	LP2A200715M	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-PS2A	8/12/2020	LP2A200812M	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-PS2A	9/9/2020	LP2A200909M	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-V1A	7/15/2020	LV1A200715M	2 U	2.5 U	1 U	25 U	1.59 JT	5 U	1.04 JT	1 U
LS-V1A	8/12/2020	LV1A200812M	2 U	2.5 U	1 U	25 U	1.63 JT	5 U	1 U	1 U
LS-V1A	9/9/2020	LV1A200909M	20 U	25 U	10 U	250 U	10 U	50 U	10 U	10 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2020	VTRP200715Y	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2020	VTRP200715Z	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	8/11/2020	VTRP200812Y	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	8/11/2020	VTRP200812Z	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	9/8/2020	VTRP200909Y	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	9/8/2020	VTRP200909Z	0.2 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U

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Site	Date	Sample ID	Toluene 108-88-3 (ug/L)	trans-1,2-Dichloro-ethene 156-60-5 (ug/L)	trans-1,3-Dichloro-propene 10061-02-6 (ug/L)	trans-1,4-Dichloro-2-butene 110-57-6 (ug/L)	Trichloro-ethene 79-01-6 (ug/L)	Trichloro-fluoro-methane 75-69-4 (ug/L)	Vinyl Acetate 108-05-4 (ug/L)	Vinyl Chloride 75-01-4 (ug/L)
LS-LEPS	7/15/2020	LEPS200715M	2.64	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-LEPS	8/12/2020	LEPS200812M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	9/9/2020	LEPS200909M	10 U	10 U	50 U	50 U	10 U	10 U	10 U	1 U
LS-MH46N	7/15/2020	L46N200715M	8.19	1 U	5 U	5 U	1 U	1 U	1 U	2.77 D
LS-MH46N	8/12/2020	L46N200812M	5.3	1 U	5 U	5 U	1 U	1 U	1 U	3.46
LS-MH46N	9/9/2020	L46N200909M	2.37	1 U	5 U	5 U	1 U	1 U	1 U	1.83
LS-PS2A	7/15/2020	LP2A200715M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-PS2A	8/12/2020	LP2A200812M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	9/9/2020	LP2A200909M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	7/15/2020	LV1A200715M	5.83	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-V1A	8/12/2020	LV1A200812M	6.27	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	9/9/2020	LV1A200909M	16.7 JT	10 U	50 U	50 U	10 U	10 U	10 U	1 U
VOA TRIP BLANK	7/14/2020	VTRP200715X	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	7/14/2020	VTRP200715Y	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	7/14/2020	VTRP200715Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	8/11/2020	VTRP200812Y	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	8/11/2020	VTRP200812Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	9/8/2020	VTRP200909Y	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	9/8/2020	VTRP200909Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

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Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Chemical_Name CAS_RN Sample ID	2,4,5-T 93-76-5 ug/l	2,4,5-TP SILVEX 93-72-1 ug/l	2,4-D 94-75-7 ug/l	4,4'DDD 72-54-8 ug/l	4,4'DDE 72-55-9 ug/l	4,4'DDT 50-29-3 ug/l	ALDRIN 309-00-2 ug/l	ALPHA BHC 319-84-6 ug/l	ALPHA CHLORDANE 5103-71-9 ug/l	AROCLOR 1016 12674-11-2 ug/l	AROCLOR 1221 11104-28-2 ug/l
LS-LEPS	7/15/2020	LEPS200715M	0.5 U	2 U	2.62	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-LEPS	8/12/2020	LEPS200812M	0.5 U	2.4 U	2.97	0.05 GU	0.05 GU	0.05 GU	0.05 GU	0.05 U	0.05 GU	0.025 U	0.025 U
LS-LEPS	9/9/2020	LEPS200909M	0.5 U	0.5 U	2.56	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.025 U	0.025 U
LS-MH46N	7/15/2020	L46N200715M	0.5 U	0.981	2.33	0.025 U	0.025 U	0.025 U	0.025 U	0.05 U	0.025 U	0.025 U	0.1 U
LS-MH46N	8/12/2020	L46N200812M	0.5 U	1.31	3.2	0.05 GU	0.05 GU	0.05 GU	0.05 GU	0.05 U	0.05 GU	0.025 U	0.0878 J
LS-MH46N	9/9/2020	L46N200909M	0.5 U	1.1	2.64	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.0758 J
LS-PS2A	7/15/2020	LP2A200715M	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	0.025 U
LS-PS2A	8/12/2020	LP2A200812M	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	0.025 U
LS-PS2A	9/9/2020	LP2A200909M	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	0.025 U
LS-V1A	7/15/2020	LV1A200715M	0.5 U	2.5 U	3.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-V1A	8/12/2020	LV1A200812M	0.5 U	2.4 U	5.06	0.05 GU	0.05 GU	0.05 GU	0.05 GU	0.05 U	0.05 GU	0.025 U	0.025 U
LS-V1A	9/9/2020	LV1A200909M	0.5 U	1 U	11.3	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.025 U	0.15 U

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate PCB Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

		Chemical_Name	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	BETA BHC	DELTA BHC	DIELDRIN	DINOSEB	ENDOSULFAN I	ENDOSULFAN II
		CAS_RN	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	959-98-8	33213-65-9
Site	Date	Sample ID	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
LS-LEPS	7/15/2020	LEPS200715M	0.025 U	0.0301	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.1 U	0.025 U
LS-LEPS	8/12/2020	LEPS200812M	0.025 U	0.075 U	0.025 U	0.0635	0.025 U	0.05 U	0.1 U	0.05 GU	1 U	0.05 U	0.05 U
LS-LEPS	9/9/2020	LEPS200909M	0.025 U	0.056	0.025 U	0.025 U	0.025 U	0.15 GU	0.106 GJ	0.05 U	0.5 U	0.2 U	0.05 U
LS-MH46N	7/15/2020	L46N200715M	0.025 U	0.127	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1 U	0.1 U	0.025 U
LS-MH46N	8/12/2020	L46N200812M	0.025 U	0.178	0.025 U	0.025 U	0.025 U	0.05 U	0.05 U	0.05 GU	0.5 U	0.05 U	0.05 U
LS-MH46N	9/9/2020	L46N200909M	0.025 U	0.173	0.025 U	0.025 U	0.025 U	0.05 GU	0.05 GU	0.05 U	1 U	0.1 U	0.05 U
LS-PS2A	7/15/2020	LP2A200715M	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	0.01 U	0.01 U
LS-PS2A	8/12/2020	LP2A200812M	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	0.01 U	0.01 U
LS-PS2A	9/9/2020	LP2A200909M	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	0.01 U	0.01 U
LS-V1A	7/15/2020	LV1A200715M	0.025 U	0.0889	0.025 U	0.0434	0.025 U	0.05 U	0.05 U	0.025 U	0.5 U	0.075 U	0.025 U
LS-V1A	8/12/2020	LV1A200812M	0.025 U	0.134	0.025 U	0.0485	0.025 U	0.05 U	0.05 U	0.05 GU	1 U	0.05 U	0.05 U
LS-V1A	9/9/2020	LV1A200909M	0.025 U	0.135	0.025 U	0.0407 J	0.025 U	0.125 GU	0.25 GU	0.125 U	0.5 U	0.125 U	0.125 U

Environmental Monitoring Data

Data Collected from July 1, 2020 to September 30, 2020
Cedar Hills Landfill ---Leachate PCB Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Chemical_Name CAS_RN Sample ID	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 (GAMMA BHC) 58-89-9 ug/l	METHOXYCHLOR 72-43-5 ug/l	Total Aroclors T_AROCLOR ug/l	TOXAPHENE 8001-35-2 ug/l	trans-Chlordane 5103-74-2 ug/l
LS-LEPS	7/15/2020	LEPS200715M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.0301	2.5 U	0.025 U
LS-LEPS	8/12/2020	LEPS200812M	0.05 U	0.05 U	0.05 GU	0.05 U	0.05 GU	0.05 GU	0.05 U	0.25 U	0.0635	5 U	0.05 GU
LS-LEPS	9/9/2020	LEPS200909M	0.05 U	0.05 U	0.05 GU	0.05 U	0.05 U	0.05 U	0.15 U	0.25 U	0.056	5 U	0.05 GU
LS-MH46N	7/15/2020	L46N200715M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.05 U	0.125 U	0.127	2.5 U	0.025 U
LS-MH46N	8/12/2020	L46N200812M	0.05 U	0.05 U	0.05 GU	0.05 U	0.05 GU	0.05 GU	0.05 U	0.25 U	0.2658	5 U	0.05 GU
LS-MH46N	9/9/2020	L46N200909M	0.05 U	0.05 U	0.05 GU	0.05 U	0.05 U	0.05 U	0.1 U	0.25 U	0.2488	5 U	0.05 GU
LS-PS2A	7/15/2020	LP2A200715M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
LS-PS2A	8/12/2020	LP2A200812M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
LS-PS2A	9/9/2020	LP2A200909M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
LS-V1A	7/15/2020	LV1A200715M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.05 U	0.125 U	0.1323	2.5 U	0.025 U
LS-V1A	8/12/2020	LV1A200812M	0.05 U	0.05 U	0.05 GU	0.05 U	0.05 GU	0.05 GU	0.05 U	0.25 U	0.1825	5 U	0.1 GU
LS-V1A	9/9/2020	LV1A200909M	0.125 U	0.125 U	0.125 GU	0.125 U	0.125 U	0.125 U	0.125 U	0.625 U	0.1757	12.5 U	0.125 GU

Landfill Gas Monitoring Data

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Compliance Probes

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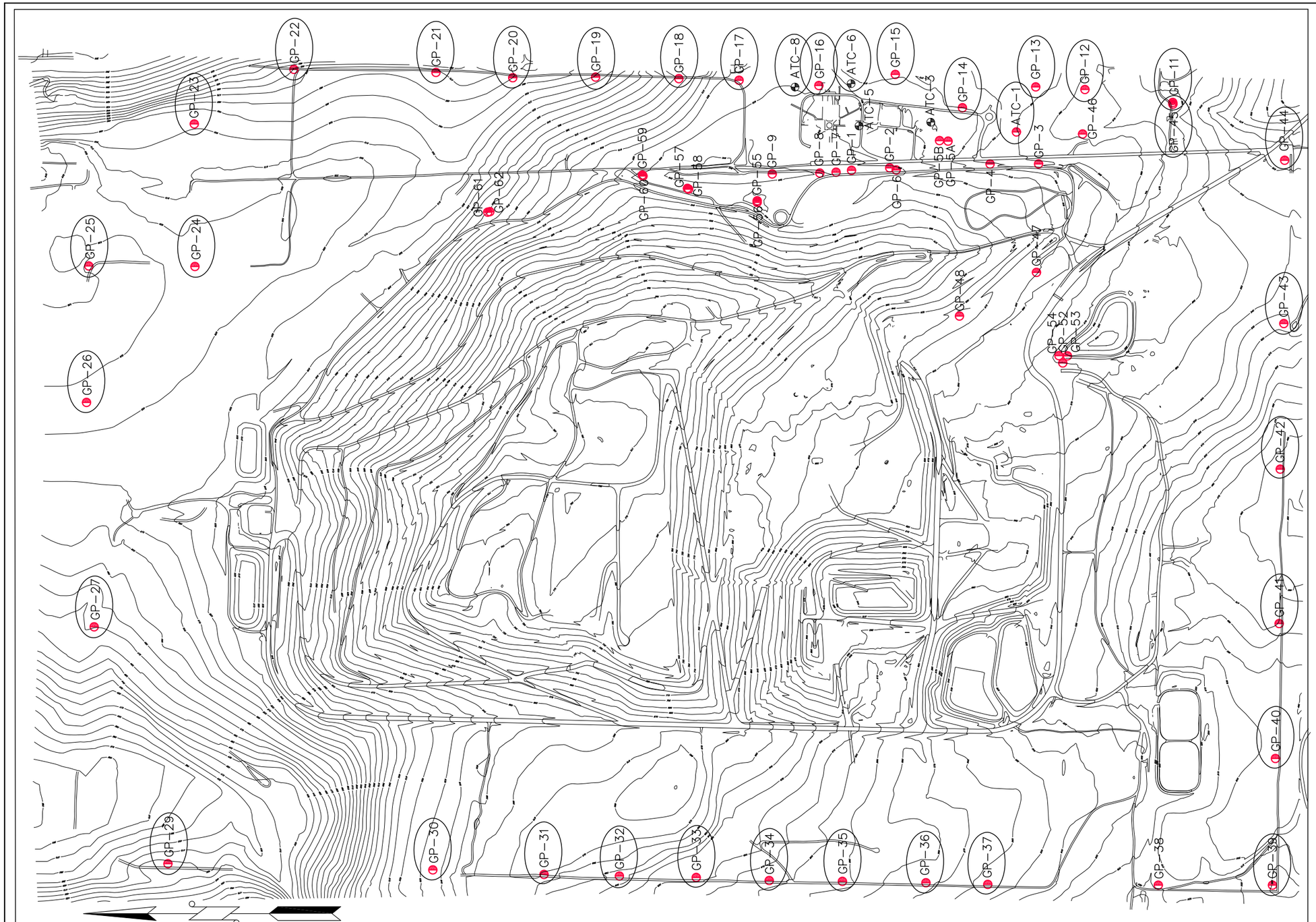

Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
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

B-84

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

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
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	7/15/2020 9:39	0	0.1	19.8	0	-0.12	None
ATC-1S	7/15/2020 9:37	0	2.3	11.5	0	0.02	None
ATC-6D	7/15/2020 11:29	0	0.3	19.7	0	0.02	None
ATC-6S	7/15/2020 11:28	0	2	18.2	0	0.01	None
ATC-8D	7/15/2020 11:11	0	4.2	16.3	0	0.08	None
ATC-8S	7/15/2020 11:10	0	0.2	19.1	0	0.12	None
GP-11A	7/15/2020 9:20	0	1.7	15.3	0	0.17	None
GP-11B	7/15/2020 9:22	0	0.1	19.6	0	-0.12	None
GP-11C	7/15/2020 9:24	0	0.1	19.6	0	0.02	None
GP-11D	7/15/2020 9:25	0	0.1	19.4	0	0.07	None
GP-12A	7/15/2020 9:58	0	0.1	20.8	0	0	None
GP-12B	7/15/2020 10:00	0	0.1	20.8	0	-0.04	None
GP-12C	7/15/2020 10:02	0	0.2	19.5	0	-6.53	None
GP-12D	7/15/2020 10:04	0	0.2	20.8	0	-0.15	None
GP-13A	7/15/2020 10:16	0	3	18.1	0	-0.06	None
GP-13B	7/15/2020 10:18	0	0.1	20.8	0	-0.02	None
GP-13C	7/15/2020 10:19	0	0.1	20.8	0	-47.51	None
GP-13D	7/15/2020 10:21	0	0.1	20.9	0	-0.71	None
GP-14A	7/15/2020 10:26	0	0.1	20.8	0	-0.22	None
GP-14B	7/15/2020 10:28	0	0.1	20.9	0	-0.17	None
GP-15A	7/15/2020 10:51	0	0.1	20.5	0	0	None
GP-15C	7/15/2020 10:53	0	0.8	15.2	0	0.03	None
GP-15D	7/15/2020 10:55	0	0.1	20.5	0	-1.06	None
GP-16A	7/15/2020 11:19	0	5	14.8	0	0.06	None
GP-16B	7/15/2020 11:21	0	0.1	20.3	0	0.79	None
GP-16C	7/15/2020 11:22	0	0.1	20.3	0	-0.54	None
GP-17A	7/15/2020 13:30	0	0	0	0	0	NR H2O
GP-17B	7/15/2020 13:32	0	0.6	17.3	0	0.16	None
GP-17C	7/15/2020 13:33	0	0	20.2	0	-0.21	None
GP-18A	7/15/2020 13:37	0	1.9	13.6	0	0.16	None
GP-18B	7/15/2020 13:39	0	0.3	12.8	0	0.2	None
GP-18C	7/15/2020 13:40	0	0.2	16.7	0	-0.22	None
GP-19A	7/15/2020 13:45	0	0	20.6	0	0.18	None
GP-19B	7/15/2020 13:47	0	0	20.6	0	0.15	None
GP-19C	7/15/2020 13:49	0	0.5	15.8	0	0.67	None
GP-20A	7/15/2020 13:53	0	0.4	19	0	0.18	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	7/15/2020 13:55	0	0.2	17.9	0	0.13	None
GP-20C	7/15/2020 13:57	0	0.1	6.6	0	0.49	None
GP-21A	7/15/2020 14:00	0	0	20.8	0	0.15	None
GP-21B	7/15/2020 14:02	0	0.1	9.4	0	0.13	None
GP-21C	7/15/2020 14:03	0	0	0	0	0	NR H2O
GP-22A	7/15/2020 14:07	0	2.9	11.4	0	0.17	None
GP-22C	7/15/2020 14:09	0	1.4	1	0	0.18	None
GP-23A	7/15/2020 14:15	0	0	20.6	0	0.18	None
GP-23B	7/15/2020 14:16	0	0	20.7	0	0.19	None
GP-23C	7/15/2020 14:18	0	0	20.7	0	0.18	None
GP-24A	7/15/2020 14:22	0	6.3	9.2	0	0.16	None
GP-24B	7/15/2020 14:24	0	0.3	19.9	0	0.15	None
GP-25	7/15/2020 14:28	0	5.1	12.8	0	0.17	None
GP-26	7/15/2020 14:32	0	0.8	18.3	0	0.19	None
GP-27	7/15/2020 14:36	0	8.9	6.9	0	0.15	None
GP-29A	7/15/2020 14:42	0	1.5	17.9	0	0.16	None
GP-29B	7/15/2020 14:44	0	0.6	20.2	0	0.14	None
GP-30A	7/15/2020 7:19	0.1	3.2	17.5	2	-0.02	None
GP-30B	7/15/2020 7:20	0.1	0.2	20.7	2	-0.57	None
GP-31A	7/15/2020 7:25	0	0	0	0	0	NR WAER
GP-31B	7/15/2020 7:27	0.1	0.3	16.8	2	-0.24	None
GP-31C	7/15/2020 7:29	0.1	0.1	20.8	2	0.14	None
GP-32A	7/15/2020 7:33	0.1	0.1	20.9	2	0.55	None
GP-32B	7/15/2020 7:34	0.1	0.1	20.8	2	0.26	None
GP-32C	7/15/2020 7:37	0.1	0.2	20.8	2	0.13	None
GP-33A	7/15/2020 7:41	0.1	2.9	16.9	2	0.26	None
GP-33B	7/15/2020 7:42	0.1	0.1	21	2	0.19	None
GP-33C	7/15/2020 7:44	0.1	0.1	21	2	-0.71	None
GP-34A	7/15/2020 7:48	0	0	0	0	0	NR WATER
GP-34B	7/15/2020 7:50	0.1	0.1	20.7	2	0.15	None
GP-34C	7/15/2020 7:51	0.1	0.1	20.7	2	-0.45	None
GP-35A	7/15/2020 7:55	0.1	0.2	20.7	2	0.15	None
GP-35B	7/15/2020 7:57	0.1	0.1	20.8	2	0.21	None
GP-35C	7/15/2020 7:58	0.1	0.1	20.8	2	0.04	None
GP-36A	7/15/2020 8:03	0.1	0.3	4.5	2	0.2	None
GP-36B	7/15/2020 8:05	0.1	0.1	20.7	2	0.18	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-36C	7/15/2020 8:07	0.1	0.3	9.1	2	-0.35	None
GP-37A	7/15/2020 8:11	0	0	0	0	0	NR WATER
GP-37B	7/15/2020 8:12	0.1	0.1	20.7	2	0.08	None
GP-37C	7/15/2020 8:14	0	0.6	1.9	0	-0.26	None
GP-39	7/15/2020 8:20	0	2.4	17.4	0	0.14	None
GP-40	7/15/2020 8:25	0	0.1	15.1	0	0.64	None
GP-41A	7/15/2020 8:35	0	6.6	13.4	0	0.15	None
GP-41B	7/15/2020 8:37	0	0.2	20.5	0	0.45	None
GP-41C	7/15/2020 8:39	0	0.1	20.6	0	0.02	None
GP-42A	7/15/2020 8:46	0	0	0	0	0	NR WATER
GP-42B	7/15/2020 8:47	0	1.1	16	0	-0.06	None
GP-43A	7/15/2020 8:51	0	0.6	16.9	0	0.31	None
GP-43B	7/15/2020 8:53	0	0.1	20.5	0	-0.12	None
GP-43C	7/15/2020 8:54	0	0.1	20.5	0	0.03	None
GP-44A	7/15/2020 9:03	0	0.1	20.4	0	0.13	None
GP-44B	7/15/2020 9:05	0	0.2	20.3	0	-0.36	None
GP-44C	7/15/2020 9:06	0	0.1	20.4	0	0.09	None
GP-45D	7/15/2020 9:17	0	0.1	19.9	0	0.15	None
GP-45I	7/15/2020 9:15	0	0.1	20.1	0	0.1	None
GP-45S	7/15/2020 9:14	0	0.1	20.2	0	-0.23	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
August 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	8/13/2020 8:43	0	0.2	21	0	-0.03	None
ATC-1S	8/13/2020 8:41	0	2.3	19.6	0	0.04	None
ATC-6D	8/13/2020 10:21	0	0.4	20.6	0	-0.17	None
ATC-6S	8/13/2020 10:20	0	2.4	19.4	0	0.07	None
ATC-8D	8/13/2020 10:08	0	2.9	18.5	0	0.42	None
ATC-8S	8/13/2020 10:07	0	0.2	20.1	0	0.04	None
GP-11A	8/13/2020 10:35	0	1.7	19.2	0	0.02	None
GP-11B	8/13/2020 10:37	0	0.2	21	0	-0.09	None
GP-11C	8/13/2020 10:38	0	0.2	21	0	-0.36	None
GP-11D	8/13/2020 10:40	0	0.2	21	0	0.08	None
GP-12A	8/13/2020 9:00	0	0.8	20.6	0	-0.06	None
GP-12B	8/13/2020 9:02	0	0.2	21	0	-0.02	None
GP-12C	8/13/2020 9:04	0	0.2	21	0	-0.09	None
GP-12D	8/13/2020 9:06	0	0.3	21	0	-0.15	None
GP-13A	8/13/2020 8:49	0	2.6	19.6	0	-0.08	None
GP-13B	8/13/2020 8:51	0	0.2	21	0	-0.07	None
GP-13C	8/13/2020 8:53	0	0.2	21	0	-0.08	None
GP-13D	8/13/2020 8:56	0	0.2	21	0	-1.45	None
GP-14A	8/13/2020 9:13	0	0.2	21	0	-0.08	None
GP-14B	8/13/2020 9:15	0	0.2	21	0	-0.26	None
GP-15A	8/13/2020 9:37	0	0.2	21	0	-0.06	None
GP-15C	8/13/2020 9:39	0	0.3	20.7	0	-0.09	None
GP-15D	8/13/2020 9:40	0	0.2	21	0	0.39	None
GP-16A	8/13/2020 10:11	0	4	18.1	0	0.02	None
GP-16B	8/13/2020 10:13	0	0.2	20.3	0	-1.88	None
GP-16C	8/13/2020 10:14	0	0.2	20.3	0	-1.31	None
GP-17A	8/13/2020 10:07	0	3.9	10.5	0	0.04	None
GP-17B	8/13/2020 10:08	0	0.1	20.2	0	-1.25	None
GP-17C	8/13/2020 10:10	0	0.1	20.2	0	-1.26	None
GP-18A	8/13/2020 10:13	0	3	16.3	0	0.08	None
GP-18B	8/13/2020 10:14	0	0.3	14.1	0	0.11	None
GP-18C	8/13/2020 10:15	0	0.2	18.3	0	-1.28	None
GP-19A	8/13/2020 10:17	0	1.4	17.5	0	0.09	None
GP-19B	8/13/2020 10:19	0	0.6	15.9	0	-0.03	None
GP-19C	8/13/2020 10:20	0	0.1	20.4	0	-0.04	None
GP-20A	8/13/2020 10:23	0	0.5	20	0	0.07	None
GP-20B	8/13/2020 10:24	0	0.3	18.1	0	0.07	None
GP-20C	8/13/2020 10:25	0	0.6	18	0	0.38	None
GP-21A	8/13/2020 10:28	0	3.5	12.8	0	-0.02	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	7/15/2020 9:39	0	0.1	19.8	0	-0.12	None
ATC-1S	7/15/2020 9:37	0	2.3	11.5	0	0.02	None
ATC-6D	7/15/2020 11:29	0	0.3	19.7	0	0.02	None
ATC-6S	7/15/2020 11:28	0	2	18.2	0	0.01	None
ATC-8D	7/15/2020 11:11	0	4.2	16.3	0	0.08	None
ATC-8S	7/15/2020 11:10	0	0.2	19.1	0	0.12	None
GP-11A	7/15/2020 9:20	0	1.7	15.3	0	0.17	None
GP-11B	7/15/2020 9:22	0	0.1	19.6	0	-0.12	None
GP-11C	7/15/2020 9:24	0	0.1	19.6	0	0.02	None
GP-11D	7/15/2020 9:25	0	0.1	19.4	0	0.07	None
GP-12A	7/15/2020 9:58	0	0.1	20.8	0	0	None
GP-12B	7/15/2020 10:00	0	0.1	20.8	0	-0.04	None
GP-12C	7/15/2020 10:02	0	0.2	19.5	0	-6.53	None
GP-12D	7/15/2020 10:04	0	0.2	20.8	0	-0.15	None
GP-13A	7/15/2020 10:16	0	3	18.1	0	-0.06	None
GP-13B	7/15/2020 10:18	0	0.1	20.8	0	-0.02	None
GP-13C	7/15/2020 10:19	0	0.1	20.8	0	-47.51	None
GP-13D	7/15/2020 10:21	0	0.1	20.9	0	-0.71	None
GP-14A	7/15/2020 10:26	0	0.1	20.8	0	-0.22	None
GP-14B	7/15/2020 10:28	0	0.1	20.9	0	-0.17	None
GP-15A	7/15/2020 10:51	0	0.1	20.5	0	0	None
GP-15C	7/15/2020 10:53	0	0.8	15.2	0	0.03	None
GP-15D	7/15/2020 10:55	0	0.1	20.5	0	-1.06	None
GP-16A	7/15/2020 11:19	0	5	14.8	0	0.06	None
GP-16B	7/15/2020 11:21	0	0.1	20.3	0	0.79	None
GP-16C	7/15/2020 11:22	0	0.1	20.3	0	-0.54	None
GP-17A	7/15/2020 13:30	0	0	0	0	0	NR H2O
GP-17B	7/15/2020 13:32	0	0.6	17.3	0	0.16	None
GP-17C	7/15/2020 13:33	0	0	20.2	0	-0.21	None
GP-18A	7/15/2020 13:37	0	1.9	13.6	0	0.16	None
GP-18B	7/15/2020 13:39	0	0.3	12.8	0	0.2	None
GP-18C	7/15/2020 13:40	0	0.2	16.7	0	-0.22	None
GP-19A	7/15/2020 13:45	0	0	20.6	0	0.18	None
GP-19B	7/15/2020 13:47	0	0	20.6	0	0.15	None
GP-19C	7/15/2020 13:49	0	0.5	15.8	0	0.67	None
GP-20A	7/15/2020 13:53	0	0.4	19	0	0.18	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	7/15/2020 13:55	0	0.2	17.9	0	0.13	None
GP-20C	7/15/2020 13:57	0	0.1	6.6	0	0.49	None
GP-21A	7/15/2020 14:00	0	0	20.8	0	0.15	None
GP-21B	7/15/2020 14:02	0	0.1	9.4	0	0.13	None
GP-21C	7/15/2020 14:03	0	0	0	0	0	NR H2O
GP-22A	7/15/2020 14:07	0	2.9	11.4	0	0.17	None
GP-22C	7/15/2020 14:09	0	1.4	1	0	0.18	None
GP-23A	7/15/2020 14:15	0	0	20.6	0	0.18	None
GP-23B	7/15/2020 14:16	0	0	20.7	0	0.19	None
GP-23C	7/15/2020 14:18	0	0	20.7	0	0.18	None
GP-24A	7/15/2020 14:22	0	6.3	9.2	0	0.16	None
GP-24B	7/15/2020 14:24	0	0.3	19.9	0	0.15	None
GP-25	7/15/2020 14:28	0	5.1	12.8	0	0.17	None
GP-26	7/15/2020 14:32	0	0.8	18.3	0	0.19	None
GP-27	7/15/2020 14:36	0	8.9	6.9	0	0.15	None
GP-29A	7/15/2020 14:42	0	1.5	17.9	0	0.16	None
GP-29B	7/15/2020 14:44	0	0.6	20.2	0	0.14	None
GP-30A	7/15/2020 7:19	0.1	3.2	17.5	2	-0.02	None
GP-30B	7/15/2020 7:20	0.1	0.2	20.7	2	-0.57	None
GP-31A	7/15/2020 7:25	0	0	0	0	0	NR WAER
GP-31B	7/15/2020 7:27	0.1	0.3	16.8	2	-0.24	None
GP-31C	7/15/2020 7:29	0.1	0.1	20.8	2	0.14	None
GP-32A	7/15/2020 7:33	0.1	0.1	20.9	2	0.55	None
GP-32B	7/15/2020 7:34	0.1	0.1	20.8	2	0.26	None
GP-32C	7/15/2020 7:37	0.1	0.2	20.8	2	0.13	None
GP-33A	7/15/2020 7:41	0.1	2.9	16.9	2	0.26	None
GP-33B	7/15/2020 7:42	0.1	0.1	21	2	0.19	None
GP-33C	7/15/2020 7:44	0.1	0.1	21	2	-0.71	None
GP-34A	7/15/2020 7:48	0	0	0	0	0	NR WATER
GP-34B	7/15/2020 7:50	0.1	0.1	20.7	2	0.15	None
GP-34C	7/15/2020 7:51	0.1	0.1	20.7	2	-0.45	None
GP-35A	7/15/2020 7:55	0.1	0.2	20.7	2	0.15	None
GP-35B	7/15/2020 7:57	0.1	0.1	20.8	2	0.21	None
GP-35C	7/15/2020 7:58	0.1	0.1	20.8	2	0.04	None
GP-36A	7/15/2020 8:03	0.1	0.3	4.5	2	0.2	None
GP-36B	7/15/2020 8:05	0.1	0.1	20.7	2	0.18	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-36C	7/15/2020 8:07	0.1	0.3	9.1	2	-0.35	None
GP-37A	7/15/2020 8:11	0	0	0	0	0	NR WATER
GP-37B	7/15/2020 8:12	0.1	0.1	20.7	2	0.08	None
GP-37C	7/15/2020 8:14	0	0.6	1.9	0	-0.26	None
GP-39	7/15/2020 8:20	0	2.4	17.4	0	0.14	None
GP-40	7/15/2020 8:25	0	0.1	15.1	0	0.64	None
GP-41A	7/15/2020 8:35	0	6.6	13.4	0	0.15	None
GP-41B	7/15/2020 8:37	0	0.2	20.5	0	0.45	None
GP-41C	7/15/2020 8:39	0	0.1	20.6	0	0.02	None
GP-42A	7/15/2020 8:46	0	0	0	0	0	NR WATER
GP-42B	7/15/2020 8:47	0	1.1	16	0	-0.06	None
GP-43A	7/15/2020 8:51	0	0.6	16.9	0	0.31	None
GP-43B	7/15/2020 8:53	0	0.1	20.5	0	-0.12	None
GP-43C	7/15/2020 8:54	0	0.1	20.5	0	0.03	None
GP-44A	7/15/2020 9:03	0	0.1	20.4	0	0.13	None
GP-44B	7/15/2020 9:05	0	0.2	20.3	0	-0.36	None
GP-44C	7/15/2020 9:06	0	0.1	20.4	0	0.09	None
GP-45D	7/15/2020 9:17	0	0.1	19.9	0	0.15	None
GP-45I	7/15/2020 9:15	0	0.1	20.1	0	0.1	None
GP-45S	7/15/2020 9:14	0	0.1	20.2	0	-0.23	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
August 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	8/13/2020 8:43	0	0.2	21	0	-0.03	None
ATC-1S	8/13/2020 8:41	0	2.3	19.6	0	0.04	None
ATC-6D	8/13/2020 10:21	0	0.4	20.6	0	-0.17	None
ATC-6S	8/13/2020 10:20	0	2.4	19.4	0	0.07	None
ATC-8D	8/13/2020 10:08	0	2.9	18.5	0	0.42	None
ATC-8S	8/13/2020 10:07	0	0.2	20.1	0	0.04	None
GP-11A	8/13/2020 10:35	0	1.7	19.2	0	0.02	None
GP-11B	8/13/2020 10:37	0	0.2	21	0	-0.09	None
GP-11C	8/13/2020 10:38	0	0.2	21	0	-0.36	None
GP-11D	8/13/2020 10:40	0	0.2	21	0	0.08	None
GP-12A	8/13/2020 9:00	0	0.8	20.6	0	-0.06	None
GP-12B	8/13/2020 9:02	0	0.2	21	0	-0.02	None
GP-12C	8/13/2020 9:04	0	0.2	21	0	-0.09	None
GP-12D	8/13/2020 9:06	0	0.3	21	0	-0.15	None
GP-13A	8/13/2020 8:49	0	2.6	19.6	0	-0.08	None
GP-13B	8/13/2020 8:51	0	0.2	21	0	-0.07	None
GP-13C	8/13/2020 8:53	0	0.2	21	0	-0.08	None
GP-13D	8/13/2020 8:56	0	0.2	21	0	-1.45	None
GP-14A	8/13/2020 9:13	0	0.2	21	0	-0.08	None
GP-14B	8/13/2020 9:15	0	0.2	21	0	-0.26	None
GP-15A	8/13/2020 9:37	0	0.2	21	0	-0.06	None
GP-15C	8/13/2020 9:39	0	0.3	20.7	0	-0.09	None
GP-15D	8/13/2020 9:40	0	0.2	21	0	0.39	None
GP-16A	8/13/2020 10:11	0	4	18.1	0	0.02	None
GP-16B	8/13/2020 10:13	0	0.2	20.3	0	-1.88	None
GP-16C	8/13/2020 10:14	0	0.2	20.3	0	-1.31	None
GP-17A	8/13/2020 10:07	0	3.9	10.5	0	0.04	None
GP-17B	8/13/2020 10:08	0	0.1	20.2	0	-1.25	None
GP-17C	8/13/2020 10:10	0	0.1	20.2	0	-1.26	None
GP-18A	8/13/2020 10:13	0	3	16.3	0	0.08	None
GP-18B	8/13/2020 10:14	0	0.3	14.1	0	0.11	None
GP-18C	8/13/2020 10:15	0	0.2	18.3	0	-1.28	None
GP-19A	8/13/2020 10:17	0	1.4	17.5	0	0.09	None
GP-19B	8/13/2020 10:19	0	0.6	15.9	0	-0.03	None
GP-19C	8/13/2020 10:20	0	0.1	20.4	0	-0.04	None
GP-20A	8/13/2020 10:23	0	0.5	20	0	0.07	None
GP-20B	8/13/2020 10:24	0	0.3	18.1	0	0.07	None
GP-20C	8/13/2020 10:25	0	0.6	18	0	0.38	None
GP-21A	8/13/2020 10:28	0	3.5	12.8	0	-0.02	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
August 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-21C	8/13/2020 10:30	0	1.3	2.4	0	-1.1	None
GP-22A	8/13/2020 11:21	0	3	21	0	0.04	None
GP-22C	8/13/2020 11:23	0	1.1	5.1	0	-1.06	None
GP-23A	8/13/2020 11:14	0	0.1	20.7	0	0.06	None
GP-23B	8/13/2020 11:15	0	0.1	20.7	0	0.1	None
GP-23C	8/13/2020 11:17	0	0.1	20.7	0	0.11	None
GP-24A	8/13/2020 10:35	0	6	13.9	0	0.1	None
GP-24B	8/13/2020 10:36	0	0.2	20.3	0	-0.53	None
GP-25	8/13/2020 10:44	0	4.1	17.4	0	0.19	None
GP-26	8/13/2020 10:49	0	0.5	19.8	0	-0.87	None
GP-27	8/13/2020 10:53	0	9.8	9.5	0	0.09	None
GP-29A	8/13/2020 11:00	0	2.8	16.6	0	0.11	None
GP-29B	8/13/2020 11:01	0	0.4	20.1	0	0.14	None
GP-30A	8/13/2020 8:16	0	2.1	19.4	0	-0.06	None
GP-30B	8/13/2020 8:18	0	1.4	20.3	0	-0.78	None
GP-31A	8/13/2020 8:21	0	10.9	6	0	-0.04	None
GP-31B	8/13/2020 8:22	0	0.3	19.5	0	-0.74	None
GP-31C	8/13/2020 8:24	0	0.1	21	0	-0.09	None
GP-32A	8/13/2020 8:26	0	0.1	21	0	0	None
GP-32B	8/13/2020 8:27	0	0.2	21	0	-0.02	None
GP-32C	8/13/2020 8:28	0	0.3	21	0	-0.01	None
GP-33A	8/13/2020 8:30	0	2.9	18.7	0	-0.01	None
GP-33B	8/13/2020 8:32	0	0.8	18.2	0	0	None
GP-33C	8/13/2020 8:33	0	0.1	21	0	-1.07	None
GP-34A	8/13/2020 8:39	0	0	0	0	0	NR-H2O
GP-34B	8/13/2020 8:40	0	0.1	21	0	-0.08	None
GP-34C	8/13/2020 8:42	0	0.1	21	0	-1.32	None
GP-35A	8/13/2020 8:46	0	4.5	14.5	0	0.03	None
GP-35B	8/13/2020 8:48	0	0.1	21	0	0.01	None
GP-35C	8/13/2020 8:50	0	0.1	21	0	0	None
GP-36A	8/13/2020 8:54	0	1.2	20.5	0	-0.73	None
GP-36B	8/13/2020 8:55	0	4	15.4	0	0.01	None
GP-36C	8/13/2020 8:56	0	0.3	20.9	0	-1.39	None
GP-37A	8/13/2020 9:02	0	0.2	20.5	0	0.2	None
GP-37B	8/13/2020 9:09	0	0.1	21	0	0.1	None
GP-37C	8/13/2020 9:11	0	0.6	2.7	0	-1.41	None
GP-39	8/13/2020 11:26	0	1.3	19.4	0	0.1	None
GP-40	8/13/2020 9:17	0	0.1	14.8	0	0.04	None
GP-41A	8/13/2020 11:35	0	5.2	14.1	0	0.1	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
August 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-41B	8/13/2020 11:36	0	0.7	6.5	0	0.12	None
GP-41C	8/13/2020 11:38	0	0.1	20.5	0	0.05	None
GP-42A	8/13/2020 9:23	0	5.2	14.1	0	0.02	None
GP-42B	8/13/2020 9:25	0	1	18.1	0	-0.5	None
GP-43A	8/13/2020 9:32	0	0.2	20.8	0	0.02	None
GP-43B	8/13/2020 9:34	0	0.1	21	0	0.02	None
GP-43C	8/13/2020 9:35	0	0.1	20.9	0	-0.02	None
GP-44A	8/13/2020 9:44	9.7	11.2	3.1	0	0.02	None
GP-44B	8/13/2020 9:47	0	0.3	19.8	0	0.04	None
GP-44C	8/13/2020 9:48	0	0.1	20.8	0	0.09	None
GP-45D	8/13/2020 10:46	0	0.1	21	0	0.1	None
GP-45I	8/13/2020 10:44	0	0.2	21	0	0.04	None
GP-45S	8/13/2020 10:43	0	0.2	21	0	0.05	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
September 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	9/15/2020 13:05	0.0	0.1	20.6	0	0.18	None
ATC-1S	9/15/2020 13:03	0.0	1.8	19.0	0	0.18	None
ATC-6D	9/16/2020 13:23	0.0	0.2	20.5	0	0.09	None
ATC-6S	9/16/2020 13:21	0.0	0.7	20.4	0	0.09	None
ATC-8D	9/16/2020 13:13	0.0	0.8	20.1	0	0.1	None
ATC-8S	9/16/2020 13:12	0.0	0.1	20.6	0	0.07	None
GP-11A	9/15/2020 12:51	0.0	0.9	20.2	0	0.16	None
GP-11B	9/15/2020 12:52	0.0	0.1	20.8	0	-0.07	None
GP-11C	9/15/2020 12:54	0.0	0.1	20.8	0	-0.28	None
GP-11D	9/15/2020 12:55	0.0	0.1	20.7	0	0.18	None
GP-12A	9/15/2020 13:11	0.0	0.2	20.7	0	0	None
GP-12B	9/15/2020 13:12	0.0	0.1	20.9	0	0.03	None
GP-12C	9/15/2020 13:13	0.0	0.1	20.5	0	0.03	None
GP-12D	9/15/2020 13:14	0.0	0.1	20.9	0	-0.03	None
GP-13A	9/15/2020 13:19	0.0	0.6	20.5	0	0	None
GP-13B	9/15/2020 13:20	0.0	0.1	20.9	0	0	None
GP-13C	9/15/2020 13:21	0.0	0.1	21.0	0	0.01	None
GP-13D	9/15/2020 13:22	0.0	0.0	21.0	0	-1.4	None
GP-14A	9/15/2020 13:28	0.0	0.1	21.0	0	-0.09	None
GP-14B	9/15/2020 13:29	0.0	0.0	21.0	0	-0.13	None
GP-15A	9/16/2020 12:58	0.0	0.3	20.3	0	0.06	None
GP-15C	9/16/2020 13:00	0.0	0.4	18.7	0	0.12	None
GP-15D	9/16/2020 13:01	0.0	0.1	20.6	0	-0.11	None
GP-16A	9/16/2020 13:15	0.0	1.1	20.1	0	0.11	None
GP-16B	9/16/2020 13:16	0.0	0.1	20.7	0	-0.52	None
GP-16C	9/16/2020 13:18	0.0	0.1	20.7	0	0.03	None
GP-17A	9/16/2020 15:16	0.0	3.3	16.1	0	0.07	None
GP-17B	9/16/2020 15:17	0.0	0.7	17.4	0	0.08	None
GP-17C	9/16/2020 15:20	0.0	0.1	20.5	0	0.07	None
GP-18A	9/16/2020 15:24	0.0	2.6	17.9	0	0.11	None
GP-18B	9/16/2020 15:25	0.0	0.3	15.1	0	0.13	None
GP-18C	9/16/2020 15:26	0.0	0.1	20.0	0	0.12	None
GP-19A	9/16/2020 15:30	0.0	1.1	18.8	0	0.09	None
GP-19B	9/16/2020 15:32	0.0	0.5	16.4	0	0.09	None
GP-19C	9/16/2020 15:33	0.0	0.1	20.5	0	0.11	None
GP-20A	9/16/2020 15:36	0.0	0.4	20.4	0	0.01	None
GP-20B	9/16/2020 15:37	0.0	0.2	18.0	0	0.01	None
GP-20C	9/16/2020 15:38	0.0	0.2	7.9	0	0	None
GP-21A	9/16/2020 15:41	0.0	0.2	20.2	0	0.01	None
GP-21B	9/16/2020 15:42	0.0	0.1	10.4	0	-0.01	None
GP-21C	9/16/2020 15:43	0.0	0.1	20.4	0	0.01	None

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Location ID	Date/Time	CH4 (% Vol	CO2 (% Vol	O2 (% Vol	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	9/16/2020 15:46	0.0	2.1	18.4	0	0.02	None
GP-22C	9/16/2020 15:47	0.0	1.3	2.8	0	0.14	None
GP-23A	9/16/2020 16:09	0.0	0.1	20.6	0	0	None
GP-23B	9/16/2020 16:10	0.0	0.0	20.8	0	0	None
GP-23C	9/16/2020 16:11	0.0	0.0	20.8	0	0.02	None
GP-24A	9/16/2020 16:14	0.0	4.3	16.2	0	0.02	None
GP-24B	9/16/2020 16:15	0.0	0.3	20.7	0	-0.01	None
GP-25	9/16/2020 16:18	0.0	2.5	19.1	0	0.02	None
GP-26	9/16/2020 16:21	0.0	0.3	20.4	0	0.07	None
GP-27	9/16/2020 16:24	0.0	6.9	14.4	0	0.02	None
GP-29A	9/16/2020 16:28	0.0	1.5	19.3	0	0.02	None
GP-29B	9/16/2020 16:29	0.0	0.3	20.2	0	0.02	None
GP-30A	9/15/2020 11:27	0.0	0.3	20.2	0	0	None
GP-30B	9/15/2020 11:28	0.0	0.1	20.1	0	-0.54	None
GP-31A	9/15/2020 11:33	0.0	6.0	12.7	0	0.01	None
GP-31B	9/15/2020 11:34	0.0	0.2	18.7	0	-0.56	None
GP-31C	9/15/2020 11:36	0.0	1.1	18.0	0	0.02	None
GP-32A	9/15/2020 11:38	0.0	0.1	20.3	0	0.04	None
GP-32B	9/15/2020 11:39	0.0	0.2	20.3	0	0.04	None
GP-32C	9/15/2020 11:41	0.0	0.2	20.2	0	0.03	None
GP-33A	9/15/2020 11:44	0.0	2.1	18.7	0	0.05	None
GP-33B	9/15/2020 11:45	0.0	0.4	19.9	0	-0.02	None
GP-33C	9/15/2020 11:46	0.0	0.1	20.4	0	-1.14	None
GP-34A	9/15/2020 11:49	0.0	9.0	7.6	0	0.07	None
GP-34B	9/15/2020 11:51	0.0	0.2	20.3	0	0.07	None
GP-34C	9/15/2020 11:52	0.0	0.1	20.5	0	-1.11	None
GP-35A	9/15/2020 11:55	0.0	3.8	16.9	0	0.07	None
GP-35B	9/15/2020 11:56	0.0	0.1	20.5	0	0.04	None
GP-35C	9/15/2020 11:57	0.0	0.1	20.5	0	0.08	None
GP-36A	9/15/2020 12:00	0.0	0.3	20.5	0	-1.33	None
GP-36B	9/15/2020 12:02	0.0	3.5	18.0	0	0	None
GP-36C	9/15/2020 12:03	0.0	0.5	15.6	0	-0.02	None
GP-37A	9/15/2020 12:06	0.0	1.6	18.1	0	0.09	None
GP-37B	9/15/2020 12:07	0.0	0.4	18.5	0	0.1	Flo fail at 40 seconds
GP-37C	9/15/2020 12:09	0.0	0.2	20.1	0	-1.02	None
GP-39	9/15/2020 12:14	0.0	0.8	19.3	0	0.08	None
GP-40	9/15/2020 12:18	0.0	0.1	16.0	0	0.12	None
GP-41A	9/15/2020 12:22	0.0	5.1	14.6	0	0.11	None
GP-41B	9/15/2020 12:23	0.0	0.7	6.5	0	0.13	None
GP-41C	9/15/2020 12:24	0.0	0.1	20.5	0	0.12	None
GP-42A	9/15/2020 12:27	0.0	3.9	15.5	0	0.13	None

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Location ID	Date/Time	CH4 (% Vol	CO2 (% Vol	O2 (% Vol	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-42B	9/15/2020 12:28	0.0	0.2	20.5	0	-0.43	None
GP-43A	9/15/2020 12:31	0.0	0.3	20.4	0	0.14	Flo fail at 35 seconds
GP-43B	9/15/2020 12:32	0.0	0.1	20.6	0	0.14	None
GP-43C	9/15/2020 12:34	0.0	0.1	20.6	0	0.13	None
GP-44A	9/15/2020 12:41	0.0	8.4	9.2	0	0.13	None
GP-44B	9/15/2020 12:42	0.0	0.2	20.5	0	-0.43	None
GP-44C	9/15/2020 12:43	0.0	0.1	20.7	0	0.14	None
GP-45D	9/15/2020 12:50	0.0	0.1	20.8	0	-0.27	None
GP-45I	9/15/2020 12:49	0.0	0.1	20.8	0	0.13	None
GP-45S	9/15/2020 12:47	0.0	0.1	20.7	0	0.15	None

Interior Probes

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CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
July 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	7/15/2020 11:00	0	0.1	20.2	0	0.03	None
ATC-3S	7/15/2020 10:58	0	0.1	20.4	0	-0.81	None
GP-1A	7/9/2020 21:35	0.0	1.1	20.6	0.0	-0.03	None
GP-1B	7/9/2020 21:37	0.0	0.2	21.0	0.0	-0.03	None
GP-2A	7/9/2020 21:16	0.0	9.7	9.0	0.0	0.05	None
GP-2B	7/9/2020 21:18	0.0	0.3	21.0	0.0	0.03	None
GP-3	7/9/2020 21:01	0.0	14.9	8.5	0.0	-0.01	None
GP-46D	7/9/2020 20:53	0.0	0.2	21.0	0.0	-0.04	None
GP-46I	7/9/2020 20:55	11.4	0.8	8.0	>>>>	0.66	None
GP-46S	7/9/2020 20:57	0.0	0.2	19.0	0.0	0.0	None
GP-47D	7/15/2020 13:07	0	0.6	18.6	0	0.07	None
GP-47I	7/15/2020 13:05	7.1	8.9	8.6	>>>>	0.04	None
GP-47S	7/15/2020 13:03	0	0.1	20.5	0	0.05	None
GP-48D	7/9/2020 20:48	0.4	1.2	18.5	8.0	0.31	None
GP-48I	7/9/2020 20:46	0.0	0.3	21.0	0.0	-0.08	None
GP-48S	7/9/2020 20:45	0.0	0.7	16.0	0.0	-0.01	None
GP-4A	7/9/2020 21:08	0.0	0.2	21.0	0.0	0.09	None
GP-4B	7/9/2020 21:10	0.0	0.2	21.0	0.0	0	None
GP-52	7/15/2020 13:19	0	4.3	10.3	0	0.12	None
GP-53	7/15/2020 13:16	0	0.2	19.9	0	0.14	None
GP-54	7/15/2020 13:21	0	0.1	20.6	0	0.05	None
GP-55	7/9/2020 20:20	0.0	0.4	20.7	0.0	-0.02	None
GP-56	7/9/2020 20:22	0.0	2.1	15.9	0.0	0.01	None
GP-57	7/9/2020 20:15	34.5	18.1	6.1	>>>>	-9.11	None
GP-58	7/9/2020 20:16	3.0	17.0	8.3	60.0	-44.71	None
GP-59	7/9/2020 20:09	1.8	2.3	12.2	36.0	0.04	None
GP-5A	7/15/2020 10:46	0	0	20.8	0	-1.23	None
GP-5BA	7/15/2020 10:38	0	0.2	20.6	0	0.01	None
GP-5BB	7/15/2020 10:40	0	0.1	20.8	0	-1.32	None
GP-5BC	7/15/2020 10:41	0	0.1	20.8	0	-1.28	None
GP-5BD	7/15/2020 10:43	0	0.1	20.8	0	-1.05	None
GP-60	7/9/2020 20:11	0.0	0.2	20.8	0.0	0.04	None
GP-61	7/9/2020 19:57	0.0	1.4	20.0	0.0	0.13	None
GP-62	7/9/2020 19:59	0.0	2.9	18.4	0.0	0.1	None
GP-6A	7/9/2020 21:21	0.0	0.2	21.0	0.0	0.03	None
GP-6B	7/9/2020 21:23	0.0	0.2	21.0	0.0	0.02	None

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	7/9/2020 21:24	0.0	0.2	21.0	0.0	0.07	None
GP-6D	7/9/2020 21:26	0.0	0.2	21.0	0.0	-0.28	None
GP-6E	7/9/2020 21:27	0.0	0.2	21.0	0.0	-0.03	None
GP-6F	7/9/2020 21:29	0.0	0.2	21.0	0.0	-0.01	None
GP-6G	7/9/2020 21:30	0.0	1.5	13.2	0.0	-0.02	None
GP-6H	7/9/2020 21:32	0.0	0.2	21.0	0.0	-0.30	None
GP-7	7/9/2020 21:41	0.0	0.2	21.0	0.0	-0.05	None
GP-8	7/9/2020 21:43	0.0	0.2	21.0	0.0	-0.11	None
GP-9	7/9/2020 20:05	0.0	0.3	20.7	0.0	-0.07	None
GP-B4-1	7/9/2020 21:04	0.0	1.3	19.5	0.0	-0.41	None
GP-B4-2	7/9/2020 21:05	0.0	0.3	21.0	0.0	0.03	None

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	8/13/2020 9:54	0.0	0.2	20.9	0.0	0.00	None
ATC-3S	8/13/2020 9:51	0.0	0.5	20.7	0.0	-1.07	None
GP-1A	8/12/2020 21:28	0.0	0.7	20.8	8	0.03	None
GP-1B	8/12/2020 21:30	0.0	0.1	21.0	8	0.02	None
GP-2A	8/12/2020 21:52	0.0	7.3	14.2	8	0.07	None
GP-2B	8/12/2020 21:54	0.0	0.1	21.0	8	-0.01	None
GP-3	8/12/2020 22:17	0.0	14.2	11.9	8	-0.02	None
GP-46D	8/12/2020 22:25	0.0	0.1	21.0	8	-0.75	None
GP-46I	8/12/2020 22:24	2.9	0.2	18.7	58	-0.39	None
GP-46S	8/12/2020 22:21	0.0	0.2	20.6	8	-0.16	None
GP-47D	8/13/2020 8:31	0.0	0.6	20.7	0.0	-0.03	None
GP-47I	8/13/2020 8:29	0.0	0.6	20.7	0.0	-1.20	None
GP-47S	8/13/2020 8:27	0.0	0.2	21.0	0.0	-1.35	None
GP-48D	8/12/2020 22:37	0.0	0.1	21.0	8	-0.63	None
GP-48I	8/12/2020 22:36	0.0	0.2	21.0	8	-0.11	None
GP-48S	8/12/2020 22:34	0.0	0.3	19.1	8	-0.03	None
GP-4A	8/12/2020 22:03	0.0	7.4	16.2	8	0.01	None
GP-4B	8/12/2020 22:06	0.0	0.2	21.0	8	-0.04	None
GP-52	8/13/2020 8:19	0.0	0.5	20.8	0.0	-0.05	None
GP-53	8/13/2020 8:21	0.0	0.6	19.9	0.0	-0.15	None
GP-54	8/13/2020 8:17	0.0	0.2	21.0	0.0	-0.08	None
GP-55	8/12/2020 21:12	2.4	2.5	18.9	48	-0.49	None
GP-56	8/12/2020 21:10	0.0	2.1	17.0	8	0.03	None
GP-57	8/12/2020 21:03	29.2	15.8	8.6	>>>>	-9.73	None
GP-58	8/12/2020 21:06	1.2	31.1	0.1	24	-0.91	None
GP-59	8/12/2020 20:58	0.0	0.2	20.8	6	-0.67	None
GP-5A	8/13/2020 9:31	0.0	0.2	21.0	0.0	-1.69	None
GP-5BA	8/13/2020 9:23	0.0	0.4	21.0	0.0	-0.06	None
GP-5BB	8/13/2020 9:25	0.0	0.2	21.0	0.0	-1.76	None
GP-5BC	8/13/2020 9:27	0.0	0.2	21.0	0.0	-1.77	None
GP-5BD	8/13/2020 9:28	0.0	0.5	21.0	0.0	-1.71	None
GP-60	8/12/2020 20:56	0.0	0.1	20.8	6	-0.04	None
GP-61	8/12/2020 20:42	0.0	0.1	20.6	6	-0.01	None
GP-62	8/12/2020 20:40	0.0	2.1	17.9	6	-0.05	None
GP-6A	8/12/2020 21:35	0.0	0.1	21.0	8	-1.23	None
GP-6B	8/12/2020 21:36	0.0	0.1	21.0	8	-0.62	None

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	8/13/2020 9:54	0.0	0.2	20.9	0.0	0.00	None
ATC-3S	8/13/2020 9:51	0.0	0.5	20.7	0.0	-1.07	None
GP-1A	8/12/2020 21:28	0.0	0.7	20.8	8	0.03	None
GP-1B	8/12/2020 21:30	0.0	0.1	21.0	8	0.02	None
GP-2A	8/12/2020 21:52	0.0	7.3	14.2	8	0.07	None
GP-2B	8/12/2020 21:54	0.0	0.1	21.0	8	-0.01	None
GP-3	8/12/2020 22:17	0.0	14.2	11.9	8	-0.02	None
GP-46D	8/12/2020 22:25	0.0	0.1	21.0	8	-0.75	None
GP-46I	8/12/2020 22:24	2.9	0.2	18.7	58	-0.39	None
GP-46S	8/12/2020 22:21	0.0	0.2	20.6	8	-0.16	None
GP-47D	8/13/2020 8:31	0.0	0.6	20.7	0.0	-0.03	None
GP-47I	8/13/2020 8:29	0.0	0.6	20.7	0.0	-1.20	None
GP-47S	8/13/2020 8:27	0.0	0.2	21.0	0.0	-1.35	None
GP-48D	8/12/2020 22:37	0.0	0.1	21.0	8	-0.63	None
GP-48I	8/12/2020 22:36	0.0	0.2	21.0	8	-0.11	None
GP-48S	8/12/2020 22:34	0.0	0.3	19.1	8	-0.03	None
GP-4A	8/12/2020 22:03	0.0	7.4	16.2	8	0.01	None
GP-4B	8/12/2020 22:06	0.0	0.2	21.0	8	-0.04	None
GP-52	8/13/2020 8:19	0.0	0.5	20.8	0.0	-0.05	None
GP-53	8/13/2020 8:21	0.0	0.6	19.9	0.0	-0.15	None
GP-54	8/13/2020 8:17	0.0	0.2	21.0	0.0	-0.08	None
GP-55	8/12/2020 21:12	2.4	2.5	18.9	48	-0.49	None
GP-56	8/12/2020 21:10	0.0	2.1	17.0	8	0.03	None
GP-57	8/12/2020 21:03	29.2	15.8	8.6	>>>>	-9.73	None
GP-58	8/12/2020 21:06	1.2	31.1	0.1	24	-0.91	None
GP-59	8/12/2020 20:58	0.0	0.2	20.8	6	-0.67	None
GP-5A	8/13/2020 9:31	0.0	0.2	21.0	0.0	-1.69	None
GP-5BA	8/13/2020 9:23	0.0	0.4	21.0	0.0	-0.06	None
GP-5BB	8/13/2020 9:25	0.0	0.2	21.0	0.0	-1.76	None
GP-5BC	8/13/2020 9:27	0.0	0.2	21.0	0.0	-1.77	None
GP-5BD	8/13/2020 9:28	0.0	0.5	21.0	0.0	-1.71	None
GP-60	8/12/2020 20:56	0.0	0.1	20.8	6	-0.04	None
GP-61	8/12/2020 20:42	0.0	0.1	20.6	6	-0.01	None
GP-62	8/12/2020 20:40	0.0	2.1	17.9	6	-0.05	None
GP-6A	8/12/2020 21:35	0.0	0.1	21.0	8	-1.23	None
GP-6B	8/12/2020 21:36	0.0	0.1	21.0	8	-0.62	None

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	8/12/2020 21:38	0.0	4.9	17.7	8	-0.64	None
GP-6D	8/12/2020 21:40	0.0	0.1	21.0	8	-1.1	None
GP-6E	8/12/2020 21:42	0.0	1.1	14.5	8	-0.68	None
GP-6F	8/12/2020 21:43	0.0	0.1	21.0	8	-0.59	None
GP-6G	8/12/2020 21:45	0.0	0.1	21.0	8	-0.63	None
GP-6H	8/12/2020 21:47	0.0	0.1	21.0	8	-0.99	None
GP-7	8/12/2020 21:22	0.0	0.1	21.0	8	-1.03	None
GP-8	8/12/2020 21:18	0.0	0.1	21.0	8	-1.21	None
GP-9	8/12/2020 20:49	0.0	0.1	20.7	6	-0.89	None
GP-B4-1	8/12/2020 22:11	0.0	1.8	18.7	8	-1.23	None
GP-B4-2	8/12/2020 22:13	0.0	0.1	21.0	8	-0.66	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
September 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	9/16/2020 12:56	0.3	15.7	4.1	6	0.05	None
ATC-3S	9/16/2020 12:54	0.0	0.1	20.5	0	-0.1	None
GP-1A	9/16/2020 20:51	0.0	1.2	20.6	0.0	-0.02	None
GP-1B	9/16/2020 20:53	0.0	0.2	21.0	0.0	-0.02	None
GP-2A	9/16/2020 21:13	0.0	6.2	14.8	0.0	0.00	None
GP-2B	9/16/2020 21:15	0.0	0.2	21.0	0.0	0.01	None
GP-3	9/16/2020 21:27	0.0	16.7	6.4	0.0	0.03	None
GP-46D	9/16/2020 20:45	0.0	0.1	21.0	0.0	-0.58	None
GP-46I	9/16/2020 20:42	0.2	0.2	21.0	4.0	-0.43	None
GP-46S	9/16/2020 20:41	0.0	0.1	20.6	0.0	-0.02	None
GP-47D	9/16/2020 12:27	0.0	0.3	20.3	0	0.08	None
GP-47I	9/16/2020 12:26	2.1	1.5	18.4	42	0.13	None
GP-47S	9/16/2020 12:25	0.0	0.1	20.6	0	0.07	None
GP-48D	9/16/2020 20:36	0.0	0.2	21.0	0.0	-0.46	None
GP-48I	9/16/2020 20:34	0.0	0.2	21.0	0.0	0.00	None
GP-48S	9/16/2020 20:33	0.0	0.3	19.4	0.0	-0.09	None
GP-4A	9/16/2020 21:18	0.0	6.6	15.8	0.0	0.00	None
GP-4B	9/16/2020 21:20	0.0	0.2	21.0	0.0	0.01	None
GP-52	9/16/2020 12:17	0.0	1.0	19.2	0	0.01	None
GP-53	9/16/2020 12:18	0.0	0.4	19.3	0	0.05	None
GP-54	9/16/2020 12:20	0.0	0.1	20.8	0	0.01	None
GP-55	9/16/2020 20:09	0.0	0.6	20.6	0.0	0.00	None
GP-56	9/16/2020 20:11	0.0	2.5	17.7	0.0	-0.02	None
GP-57	9/16/2020 20:04	28.3	20.9	3.8	>>>>	0.04	None
GP-58	9/16/2020 20:05	0.0	16.3	6.8	0.0	0.01	None
GP-59	9/16/2020 19:59	0.0	0.3	20.8	0.0	-0.04	None
GP-5A	9/16/2020 12:45	0.0	0.1	20.5	0	-0.38	None
GP-5BA	9/16/2020 12:46	0.0	0.2	20.2	0	0.13	None
GP-5BB	9/16/2020 12:47	0.0	0.1	20.6	0	-0.38	None
GP-5BC	9/16/2020 12:49	0.0	0.1	20.6	0	-0.36	None
GP-5BD	9/16/2020 12:50	0.0	0.1	20.6	0	-0.27	None
GP-60	9/16/2020 20:01	0.0	0.2	20.9	0.0	0.02	None
GP-61	9/16/2020 19:46	1.2	0.3	20.6	24.0	-0.07	None
GP-62	9/16/2020 19:49	1.1	2.8	18.4	22.0	-0.02	None
GP-6A	9/16/2020 20:56	0.0	0.2	21.0	0.0	-1.11	None
GP-6B	9/16/2020 20:57	0.0	0.2	21.0	0.0	-0.63	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
September 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	9/16/2020 20:59	0.0	4.5	18.0	0.0	-0.65	None
GP-6D	9/16/2020 21:01	0.0	0.2	21.0	0.0	-1.15	None
GP-6E	9/16/2020 21:03	0.0	0.5	19.0	0.0	-0.50	None
GP-6F	9/16/2020 21:05	0.0	0.2	21.0	0.0	-0.64	None
GP-6G	9/16/2020 21:07	0.0	0.2	21.0	0.0	-0.59	None
GP-6H	9/16/2020 21:10	0.0	0.2	21.0	0.0	-1.17	None
GP-7	9/16/2020 20:16	0.0	0.2	21.0	0.0	-0.72	None
GP-8	9/16/2020 20:14	0.0	0.2	21.0	0.0	-0.73	None
GP-9	9/16/2020 19:54	0.0	0.2	20.8	0.0	-0.65	None
GP-B4-1	9/16/2020 21:22	0.0	2.4	18.4	0.0	-1.40	None
GP-B4-2	9/16/2020 21:24	0.0	0.2	21.0	0.0	-0.67	None

On-Site Building Monitoring

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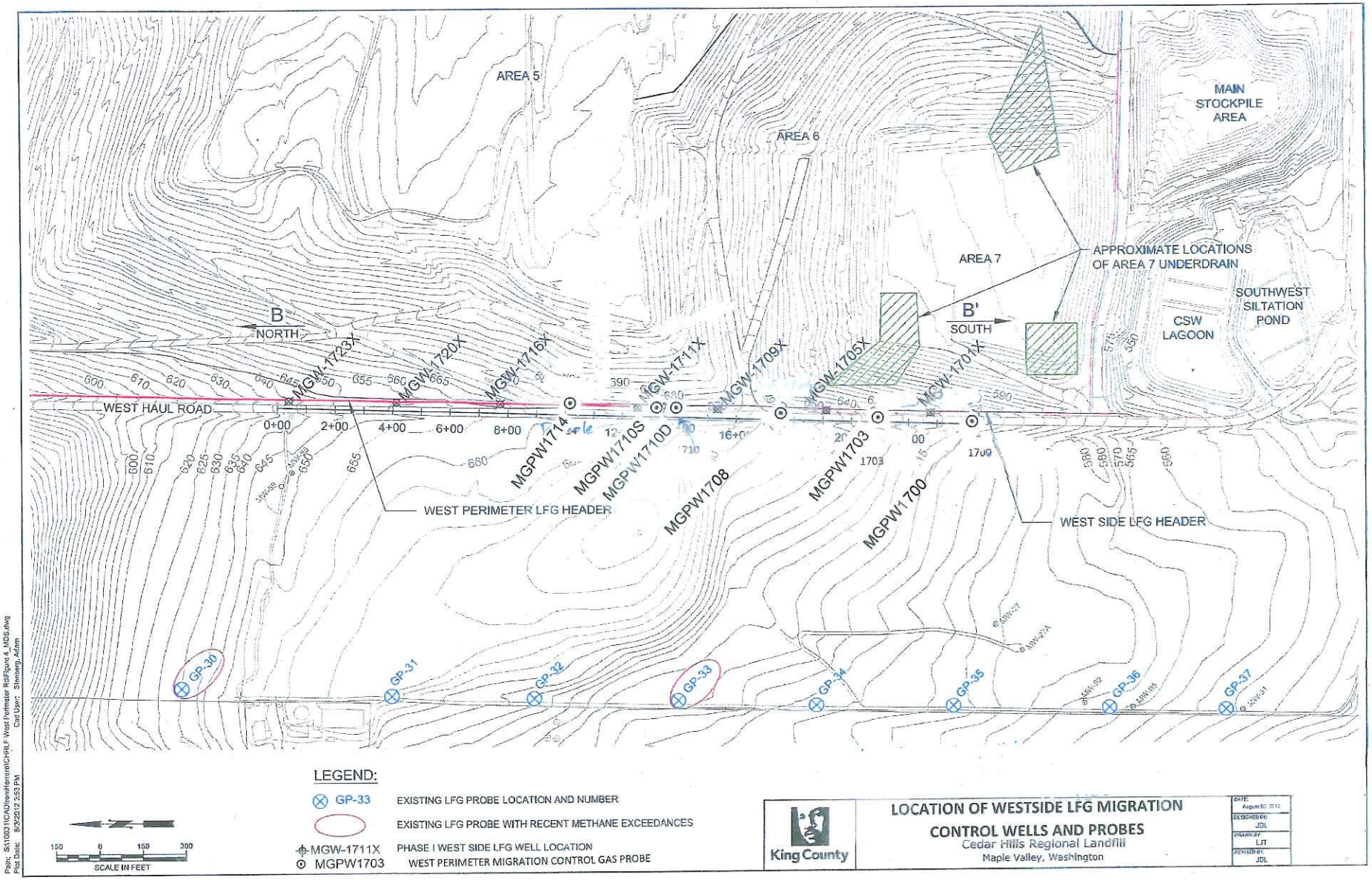
AREA 5
AREA 6
AREA 7
MAIN STOCKPILE AREA
APPROXIMATE LOCATIONS OF AREA 7 UNDERDRAIN
SOUTHWEST SILTATION POND
CSW LAGOON
B
NORTH
B'
SOUTH
WEST HAUL ROAD
MGW-1723X
MGW-1720X
MGW-1716X
MGW-1711X
MGW-1709X
MGW-1705X
MGW-1701X
MGPW1714
MGPW1710S
MGPW1710D
MGPW1708
MGPW1703
MGPW1700
WEST PERIMETER LFG HEADER
WEST SIDE LFG HEADER
GP-30
GP-31
GP-32
GP-33
GP-34
GP-35
GP-36
GP-37
LEGEND:
GP-33 EXISTING LFG PROBE LOCATION AND NUMBER
EXISTING LFG PROBE WITH RECENT METHANE EXCEEDANCES
MGW-1711X PHASE I WEST SIDE LFG WELL LOCATION
MGPW1703 WEST PERIMETER MIGRATION CONTROL GAS PROBE
150 0 150 300
SCALE IN FEET
King County
LOCATION OF WESTSIDE LFG MIGRATION
CONTROL WELLS AND PROBES
Cedar Hills Regional Landfill
Maple Valley, Washington
DESIGNED BY: JDL
DRAWN BY: LJT
REVISED BY: JDL

CEDAR HILLS REGIONAL LANDFILL

West Perimeter Landfill Gas Migration Control Probes

Third Quarter 2020 Monitoring Data

			Barometric				Static	
Probe ID	**Date**	**Time**	**Pressure in Hg**	**CH4 %vol**	**CO2 %vol**	**O2 %vol**	**Pressure in INWC**	**Comments**
MGPW 1700	7/7/2020 0:00	5:47pm	30.0	0.0	0	20.6	0.2	
MGPW 1700	7/29/2020 0:00	6:28pm	29.9	0.0	0.2	20.60	0.17	
MGPW 1700	8/11/2020 0:00	8:47am	29.9	0.0	0.2	20.90	0.05	
MGPW 1700	8/24/2020 0:00	11:38am	39.9	0.0	0.2	20.50	0.39	
MGPW 1700	9/11/2020 0:00	3:00pm	30.0	0.0	0.1	21.00	0	
MGPW 1700	9/26/2020 0:00	8:40am	30.0	0.0	0.1	20.00	-0.01	
MGPW 1708	7/7/2020 0:00	5:38pm	30.0	0.0	0.0	20.60	-0.98	
MGPW 1708	7/29/2020 0:00	6:25pm	29.9	0.0	0.2	20.8	-0.54	
MGPW 1708	8/11/2020 0:00	8:35am	29.9	0.0	0.2	21	-0.54	
MGPW 1708	8/24/2020 0:00	12:23pm	29.9	0.0	0.2	20.7	-0.53	
MGPW 1708	9/11/2020 0:00	3:05pm	30.0	0.0	0.1	21.00	-0.59	
MGPW 1708	9/26/2020 0:00	8:45am	30.0	0.0	0.3	20.00	-2.71	
MGPW 1710S	7/7/2020 0:00	5:32pm	30.0	0.0	0.0	20.50	-0.95	
MGPW 1710S	7/29/2020 0:00	6:21pm	29.9	0.0	0.2	20.7	-0.61	
MGPW 1710S	8/11/2020 0:00	8:25am	29.9	0.0	0.2	20.9	-0.64	
MGPW 1710S	8/24/2020 0:00	12:11pm	29.9	0.0	0.1	20.8	-0.45	
MGPW 1710S	9/11/2020 0:00	3:08pm	30.0	0.0	0.1	21.00	-0.58	
MGPW 1710S	9/26/2020 0:00	8:50am	30.0	0.0	0.2	20.20	-2.37	
MGPW 1710D	7/7/2020 0:00	5:33pm	30.0	0.0	0.0	20.70	-0.85	
MGPW 1710D	7/29/2020 0:00	6:22pm	29.9	0.0	0.2	20.7	-0.58	
MGPW 1710D	8/11/2020 0:00	8:28am	29.9	0.0	0.1	21	-0.59	
MGPW 1710D	8/24/2020 0:00	12:06pm	29.9	0.0	0	20.8	-0.58	
MGPW 1710D	9/11/2020 0:00	3:12pm	30.0	0.0	0.1	21	-0.59	
MGPW 1710D	9/26/2020 0:00	8:55am	30.0	0.0	0.2	20.3	-2.7	
MGPW 1714	7/7/2020 0:00	5:29pm	30.0	0.0	0.0	19.80	-0.84	
MGPW 1714	7/29/2020 0:00	6:18pm	29.9	0.0	0.2	20.60	-0.55	
MGPW 1714	8/11/2020 0:00	8:20am	29.9	0.0	0.2	20.90	-0.67	
MGPW 1714	8/24/2020 0:00	11:58am	29.9	0.0	0.1	20.80	-0.67	
MGPW 1714	9/11/2020 0:00	3:16pm	30.0	0.0	0.1	20.90	-0.59	
MGPW 1714	9/26/2020 0:00	9:00am	30.0	0.0	0.4	20.30	-2.57	

Migration Probes

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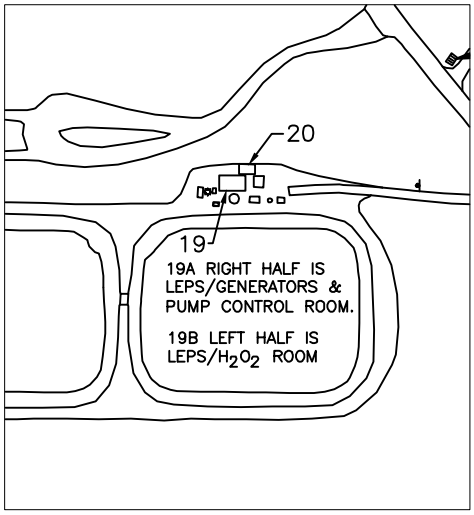
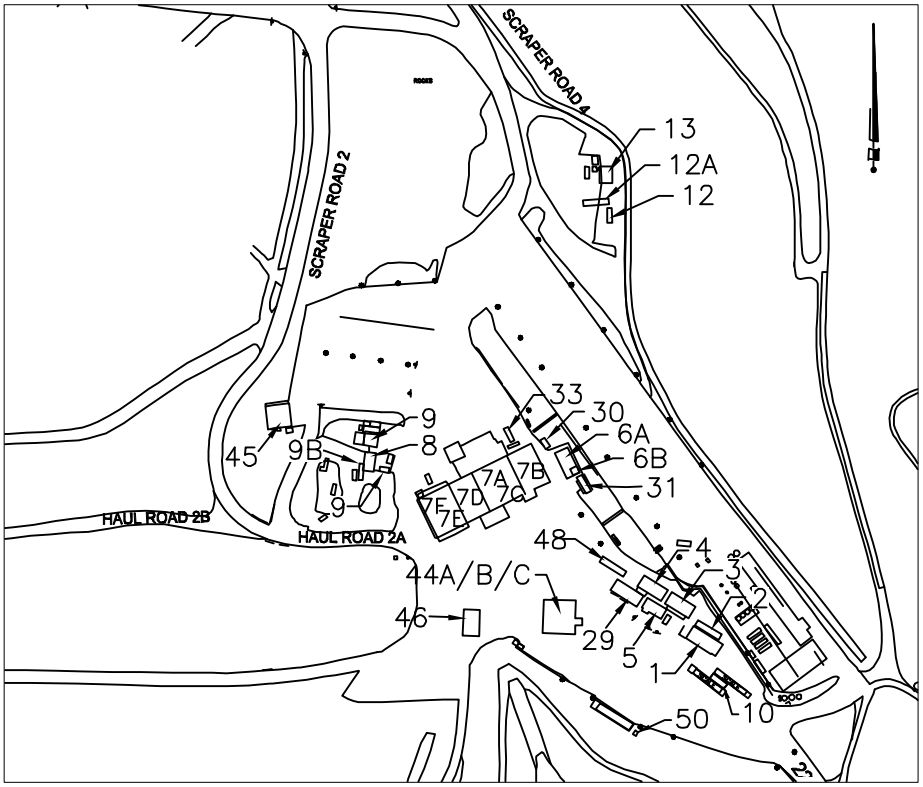
Aeration Ponds



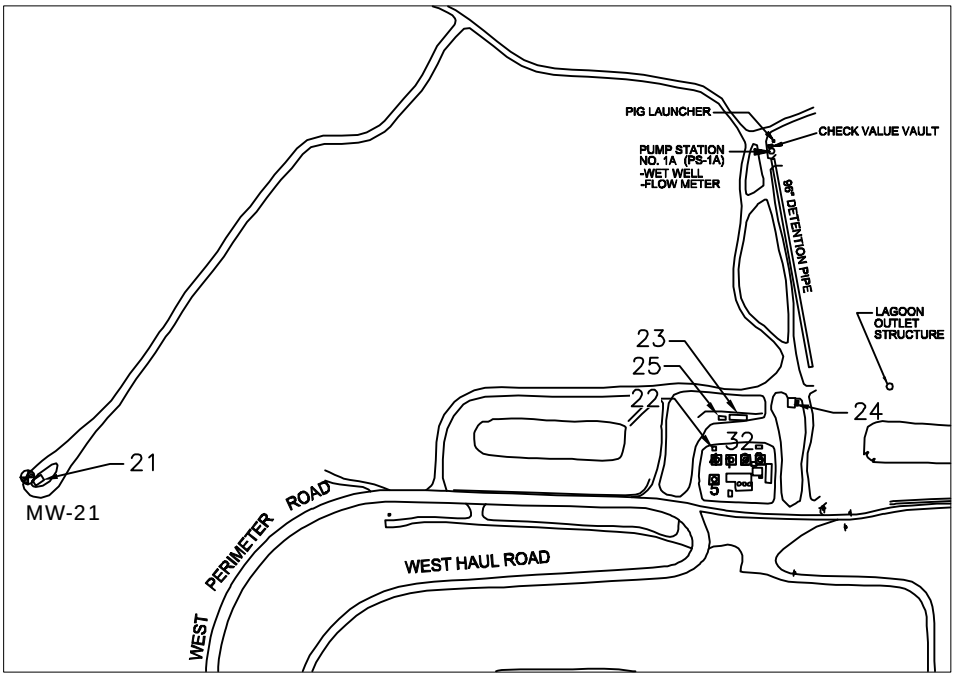
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores–Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H_2O_2 room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012

King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE: February 2012	PROJECT NO.
DESIGNED BY:	
DRAWN BY:	FIGURE NO.
REVISED BY: -	

THIRD QUARTER
BUILDING MONITORING

King County

INSTRUMENT: Place check by instrument used : SEM 5000 **x**

WEATHER: cloudy

DATE: 07/23/20

TECH: LD

ENVIS ID	BLDG #		DESCRIPTION	CH_4 (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 07/23/20	1		FRONT OFFICE	**0**		29.93	9PM
GCR- 07/23/20	2		CONF ROOM	**0**			
GAO- 07/23/20	3		PAYROLL OFFICE	**0**			
GEO- 07/23/20	4		ENGR. OFFICE	**0**			
GLRC- 07/23/20	5		LUNCHROOM	**0**			
GSPC 07/23/20			SPOC	**0**			
GELO- 07/23/20	A	6A	DRY STORAGE	**0**			
GELO- 07/23/20	B	6B	ELECTRICIAN OFFICE	**0**			
GAP- 07/23/20			ACCOUNT PAYABLE	**0**			
GSO- 07/23/20	A	7A	SHOP OFFICE	**0**			
GPR- 07/23/20	B	7B	PARTS ROOM	**0**			
GMS- 07/23/20	C	7C	SHOP PIT AREA/BAY	**0**			
GTB- 07/23/20	D	7D	SHOP TIRE BAY	**0**			
GEW- 07/23/20	E	7E	EAST WELD SHOP	**0**			
GWW- 07/23/20	F	7F	WEST WELD SHOP	**0**			
GCS- 07/23/20		8	CARPENTER'S	**0**			
GSS- 07/23/20		9	WASTEWATER	**N/A**	building removed		
GSS- 07/23/20	B	9B	CARPENTER/STORAGE	**0**			
GSH- 07/23/20		10	SCALEHOUSE	**0**			
GB13- 07/23/20		13	WW COMPRESSOR	**0**			
GB16- 07/23/20		16	GENERATOR	**0**			
GB19- 07/23/20		19	LEPS (P.S.# 5)	**N/A**			
GB19- 07/23/20	B	19B	LEPS/H2O2 ROOM	**N/A**			
GB20- 07/23/20		20	LEPS ELEC PANALS	**N/A**			
GB21- 07/23/20		21	STORAGE(OLD PS 1)	**0**			
GB22- 07/23/20		22	STORAGE/N FLARE	**N/A**	building removed		
GB23- 07/23/20		23	LFGAS	**0**			
GB24- 07/23/20		24	NE GENERATOR BLDG	**0**			
GBWW- 07/23/20		30	WOMEN BRK RM	**0**			
GPWT- 07/23/20		PW	PRESSURE WASH RM	**0**			
GBRR- 07/23/20		RR	TRUCKWASH RR W	**0**			
GBSS- 07/23/20		SS	TRUCKWASH RR E	**0**			
GBZZ- 07/23/20		29	MANAGERS TRAILER	**0**			
GBPT- 07/23/20			CCG FASTER	**N/A**	unknown location		
GCLS- 07/23/20			CHLORINE SHED	**0**			

Data Qualifiers

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) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/1/20 0:00	8.59	155.8	9.56	11.9	29.18	0
7/1/20 0:15	7.575	157.2	11.58	11.82	29.18	0
7/1/20 0:30	8.59	157.4	12.23	11.76	29.18	0
7/1/20 0:45	9.5	166.2	8.25	11.74	29.18	0
7/1/20 1:00	8.85	157.8	9.07	11.66	29.16	0
7/1/20 1:15	9.36	158.9	9.93	11.6	29.16	0
7/1/20 1:30	8.07	162.6	10.81	11.52	29.16	0
7/1/20 1:45	9.07	170.3	8.59	11.46	29.16	0
7/1/20 2:00	8.26	161.1	11.55	11.41	29.18	0
7/1/20 2:15	7.11	157.8	11.15	11.36	29.18	0
7/1/20 2:30	9.57	159	8.5	11.39	29.18	0
7/1/20 2:45	9.85	163.1	9.72	11.38	29.18	0
7/1/20 3:00	7.652	163.8	9.06	11.32	29.16	0
7/1/20 3:15	7.779	155.1	11.48	11.25	29.16	0
7/1/20 3:30	8.72	148	9.28	11.18	29.16	0
7/1/20 3:45	9.38	142	8.9	11.13	29.16	0
7/1/20 4:00	9.54	143.4	10.35	11.06	29.16	0
7/1/20 4:15	7.651	148.7	9.5	11	29.16	0
7/1/20 4:30	7.226	157.2	9.42	10.88	29.16	0
7/1/20 4:45	9.25	149.6	9.1	10.73	29.16	0
7/1/20 5:00	8.36	140.3	7.669	10.6	29.15	0
7/1/20 5:15	9.92	146.4	7.958	10.54	29.15	0.01
7/1/20 5:30	8.62	139.7	7.555	10.44	29.15	0
7/1/20 5:45	8.83	146.4	7.588	10.52	29.15	0
7/1/20 6:00	8.84	149.3	8.78	10.65	29.16	0
7/1/20 6:15	10.85	144.5	8.29	10.73	29.16	0
7/1/20 6:30	9.24	148.8	11.34	10.92	29.16	0
7/1/20 6:45	9.96	144.9	11.87	11.07	29.16	0
7/1/20 7:00	10.27	167.5	7.937	11.14	29.13	0
7/1/20 7:15	11.93	164.1	8.38	11.28	29.13	0
7/1/20 7:30	11.84	170.7	8.22	11.32	29.13	0
7/1/20 7:45	9.86	165.7	9.87	11.01	29.13	0
7/1/20 8:00	8.33	164.8	9.82	11.15	29.16	0
7/1/20 8:15	8.19	159.6	9.94	11.36	29.16	0
7/1/20 8:30	9.55	162.5	10.46	11.48	29.16	0
7/1/20 8:45	10.88	166.5	7.706	11.77	29.16	0
7/1/20 9:00	12.41	171.8	9.12	11.62	29.14	0
7/1/20 9:15	9.71	175.9	9.98	11.03	29.14	0
7/1/20 9:30	9.75	172.1	8.27	11.45	29.14	0
7/1/20 9:45	8.34	163.5	12.36	12.21	29.14	0
7/1/20 10:00	11.04	161.7	12.7	12.11	29.15	0
7/1/20 10:15	9.88	172.3	10.33	12.61	29.15	0
7/1/20 10:30	11.2	162.2	12.41	13.47	29.15	0
7/1/20 10:45	10.25	163.5	13.41	13.23	29.15	0
7/1/20 11:00	9.7	167.9	12.16	13.36	29.13	0
7/1/20 11:15	10.31	175	10.15	13.66	29.13	0
7/1/20 11:30	11.25	179.4	12.94	14.01	29.13	0
7/1/20 11:45	10.71	159.4	18.19	14.56	29.13	0
7/1/20 12:00	12.07	174.5	24.3	14.13	29.13	0
7/1/20 12:15	8.96	218.2	9.39	13.65	29.13	0
7/1/20 12:30	5.947	207.3	13.7	13.95	29.13	0
7/1/20 12:45	4.853	190.3	15.54	14.17	29.13	0
7/1/20 13:00	4.104	223.1	20.92	14.11	29.14	0
7/1/20 13:15	3.82	203.8	15.08	14.49	29.14	0
7/1/20 13:30	4.847	190	23.45	14.99	29.14	0
7/1/20 13:45	12.34	197.7	7.258	14.27	29.14	0
7/1/20 14:00	8.57	189.8	10.76	14.27	29.12	0
7/1/20 14:15	5.393	176.2	13.22	14.91	29.12	0
7/1/20 14:30	3.686	161	27.2	14.81	29.12	0
7/1/20 14:45	3.387	185.2	17.39	15.06	29.12	0
7/1/20 15:00	4.495	176.1	17.06	15.64	29.12	0
7/1/20 15:15	7.69	166.7	11.37	15.81	29.12	0
7/1/20 15:30	9.59	172.1	8.87	15.45	29.12	0
7/1/20 15:45	8.32	189.1	13.67	15.68	29.12	0
7/1/20 16:00	13.67	200.1	7.345	15.34	29.1	0
7/1/20 16:15	9.98	205.3	6.937	14.56	29.1	0.01
7/1/20 16:30	6.533	194	11.5	14.34	29.1	0
7/1/20 16:45	5.568	190.1	9.13	14.19	29.1	0.01
7/1/20 17:00	5.428	174.1	8.45	14.17	29.12	0
7/1/20 17:15	5.099	155.1	17.78	14.18	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/1/20 17:30	4.145	138.6	19.5	14.13	29.12	0
7/1/20 17:45	3.455	178	8.19	14.12	29.12	0
7/1/20 18:00	3.154	168.7	7.613	14.08	29.12	0.01
7/1/20 18:15	2.741	176.8	8.89	14.12	29.12	0
7/1/20 18:30	2.606	190.6	9.01	14.14	29.12	0
7/1/20 18:45	7.253	235	9.99	13.97	29.12	0
7/1/20 19:00	9.06	228.9	8.3	13.67	29.12	0
7/1/20 19:15	7.152	227	7.924	13.65	29.12	0
7/1/20 19:30	7.102	221.1	6.347	13.7	29.12	0
7/1/20 19:45	9.43	210.1	9.88	13.74	29.12	0
7/1/20 20:00	6.949	207.1	7.888	13.72	29.12	0
7/1/20 20:15	7.969	196	9.45	13.66	29.12	0
7/1/20 20:30	10	191.2	9.33	13.71	29.12	0
7/1/20 20:45	11.23	192	8.6	13.65	29.12	0
7/1/20 21:00	12.7	204.5	8.16	13.39	29.12	0
7/1/20 21:15	14.23	203.1	7.956	12.64	29.12	0
7/1/20 21:30	11.27	183.5	12.79	12.04	29.12	0
7/1/20 21:45	9.1	168.7	8.24	12.03	29.12	0
7/1/20 22:00	9.2	164.6	10.05	12.19	29.15	0
7/1/20 22:15	9.24	161.4	9.17	12.28	29.15	0
7/1/20 22:30	10.25	162.3	8.36	12.38	29.15	0
7/1/20 22:45	12.59	170.5	7.846	12.31	29.15	0
7/1/20 23:00	11.22	171.4	8.51	12.15	29.15	0
7/1/20 23:15	10.99	164.3	9.88	12.08	29.15	0
7/1/20 23:30	11.52	160.5	7.854	11.97	29.15	0
7/1/20 23:45	10.65	148.9	8.85	11.78	29.15	0
7/2/20 0:00	10.48	153.6	10.3	11.71	29.13	0
7/2/20 0:15	10.6	161.1	11.6	11.82	29.13	0
7/2/20 0:30	10.53	157.1	9.57	11.79	29.13	0
7/2/20 0:45	12.13	164.7	8.48	11.63	29.13	0
7/2/20 1:00	9.84	165.2	9.05	11.53	29.14	0
7/2/20 1:15	10.67	167.8	10.42	11.63	29.14	0
7/2/20 1:30	11.43	167.8	8.3	11.56	29.14	0
7/2/20 1:45	10.57	163.9	9.78	11.13	29.14	0
7/2/20 2:00	9.93	178.3	11.08	11.02	29.15	0.02
7/2/20 2:15	8.41	164.3	9.88	10.94	29.15	0.01
7/2/20 2:30	8.98	171	9.11	11.05	29.15	0
7/2/20 2:45	8.38	172.1	7.853	11.13	29.15	0
7/2/20 3:00	8.39	165.1	8.05	11.16	29.15	0
7/2/20 3:15	9.34	165.4	6.927	11.22	29.15	0
7/2/20 3:30	9.71	161.9	8.75	11.26	29.15	0
7/2/20 3:45	9.79	162.3	8.22	11.27	29.15	0
7/2/20 4:00	10.05	164.5	9.13	11.23	29.16	0
7/2/20 4:15	10.73	161.1	8.79	11.19	29.16	0
7/2/20 4:30	9.04	153.7	9.81	11.07	29.16	0
7/2/20 4:45	8.1	151.9	9.3	11.01	29.16	0
7/2/20 5:00	9.16	146.7	7.727	10.82	29.17	0
7/2/20 5:15	9.44	156	9.61	10.85	29.17	0
7/2/20 5:30	9.38	158.8	8.08	10.85	29.17	0
7/2/20 5:45	9.54	154.2	8.59	10.83	29.17	0
7/2/20 6:00	9.95	144.3	6.986	10.76	29.17	0
7/2/20 6:15	8.62	154.7	11.05	10.98	29.17	0
7/2/20 6:30	9.78	161.5	6.636	11.27	29.17	0
7/2/20 6:45	8.64	154.8	8.8	11.5	29.17	0
7/2/20 7:00	8.34	158.1	10.25	11.54	29.2	0
7/2/20 7:15	9.7	161	8.33	11.64	29.2	0
7/2/20 7:30	9.88	159.9	8.53	11.7	29.2	0
7/2/20 7:45	9.12	159.4	8.52	11.74	29.2	0
7/2/20 8:00	10.39	159.9	8.98	11.8	29.19	0
7/2/20 8:15	10.66	146.8	9	11.88	29.19	0
7/2/20 8:30	10.56	146	8.53	12.04	29.19	0
7/2/20 8:45	10.05	148.2	8.77	12.16	29.19	0
7/2/20 9:00	9.65	155.6	9.13	12.29	29.18	0
7/2/20 9:15	9.25	163	7.395	12.38	29.18	0
7/2/20 9:30	9.1	161	9.94	12.45	29.18	0
7/2/20 9:45	6.82	144	11.95	12.51	29.18	0
7/2/20 10:00	7.353	133.8	8.69	12.64	29.2	0
7/2/20 10:15	6.087	131	6.546	12.72	29.2	0
7/2/20 10:30	6.334	133.4	9.03	12.89	29.2	0
7/2/20 10:45	3.245	145	15.59	13.34	29.2	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/2/20 11:00	4.207	165.9	10.37	13.56	29.21	0
7/2/20 11:15	7.43	168.1	10.42	13.68	29.21	0
7/2/20 11:30	6.468	186.6	10.84	13.9	29.21	0
7/2/20 11:45	5.735	178.5	10.66	14.15	29.21	0
7/2/20 12:00	6.256	178.3	9.54	14.26	29.2	0
7/2/20 12:15	7.07	187.9	12.27	14.34	29.2	0
7/2/20 12:30	6.728	194.6	10.55	14.47	29.2	0
7/2/20 12:45	7.156	220.7	11.02	14.35	29.2	0
7/2/20 13:00	3.4	246.1	15.52	14.77	29.22	0
7/2/20 13:15	3.98	174.8	23.12	15.5	29.22	0
7/2/20 13:30	3.45	153.6	29.91	15.65	29.22	0
7/2/20 13:45	3.716	176.4	24.93	15.85	29.22	0
7/2/20 14:00	4.987	189.1	20.35	16.03	29.22	0
7/2/20 14:15	5.792	190.5	24.74	16.33	29.22	0
7/2/20 14:30	5.872	210.1	19.48	16.47	29.22	0
7/2/20 14:45	7.54	205.3	18.26	16.39	29.22	0
7/2/20 15:00	5.274	227.8	18.84	16.33	29.22	0
7/2/20 15:15	5.374	239.2	23.83	16.84	29.22	0
7/2/20 15:30	4.685	223.1	25.74	17.06	29.22	0
7/2/20 15:45	8.55	200.7	15.33	17.21	29.22	0
7/2/20 16:00	10.97	203.5	9.05	17.11	29.19	0
7/2/20 16:15	7.932	238.6	17.06	16.96	29.19	0
7/2/20 16:30	6.911	242.7	13.5	16.8	29.19	0
7/2/20 16:45	5.084	234.5	14.82	16.52	29.19	0
7/2/20 17:00	4.839	220.2	16.81	16.56	29.2	0
7/2/20 17:15	4.59	255.5	15.35	16.97	29.2	0
7/2/20 17:30	6.755	246.3	10.39	16.43	29.2	0
7/2/20 17:45	6.831	250.4	9.56	16.43	29.2	0
7/2/20 18:00	6.95	255.8	11.95	16.29	29.2	0
7/2/20 18:15	5.784	270.4	16.71	16.09	29.2	0
7/2/20 18:30	4.166	255.2	12.28	16.02	29.2	0
7/2/20 18:45	7.183	243.3	6.13	15.66	29.2	0
7/2/20 19:00	3.802	236.4	12.52	15.48	29.2	0
7/2/20 19:15	3.051	229.5	9.42	15.51	29.2	0
7/2/20 19:30	4.269	241.8	7.246	15.29	29.2	0
7/2/20 19:45	5.262	244.9	5.633	14.99	29.2	0
7/2/20 20:00	5.514	241.7	4.153	14.84	29.18	0
7/2/20 20:15	5.522	250.3	5.652	14.73	29.18	0
7/2/20 20:30	3.556	247.1	7.837	14.56	29.18	0
7/2/20 20:45	1.329	218.5	11.47	14.5	29.18	0
7/2/20 21:00	1.2	143.2	21.19	14.3	29.21	0
7/2/20 21:15	1.213	97.9	4.726	14.28	29.21	0
7/2/20 21:30	2.366	167.1	29.43	14.15	29.21	0
7/2/20 21:45	3.496	207.9	18.7	14.22	29.21	0
7/2/20 22:00	2.659	231.6	12.54	14.25	29.2	0
7/2/20 22:15	1.572	203.1	18.21	14.19	29.2	0
7/2/20 22:30	1.051	176.7	23.98	14.07	29.2	0
7/2/20 22:45	0.86	103.5	3.3	13.53	29.2	0
7/2/20 23:00	2.952	179.9	35.79	13.64	29.18	0
7/2/20 23:15	3.342	185.5	17.6	13.61	29.18	0
7/2/20 23:30	4.464	192.4	11.63	13.44	29.18	0
7/2/20 23:45	4.308	209.1	6.928	13.54	29.18	0
7/3/20 0:00	1.467	226.5	42.47	13.52	29.18	0
7/3/20 0:15	1.048	92.2	6.985	13.13	29.18	0
7/3/20 0:30	1.506	183.9	36.6	13.27	29.18	0
7/3/20 0:45	2.537	224.9	7.804	13.53	29.18	0
7/3/20 1:00	2.58	233.8	3.142	13.44	29.19	0
7/3/20 1:15	2.743	238.3	5.841	13.29	29.19	0
7/3/20 1:30	3.037	215.1	8.77	13.18	29.19	0
7/3/20 1:45	2.885	188	5.232	12.72	29.19	0
7/3/20 2:00	3.652	183	3.35	12.57	29.19	0
7/3/20 2:15	2.583	189.2	5.825	12.61	29.19	0
7/3/20 2:30	1.101	180.7	2.208	12.54	29.19	0
7/3/20 2:45	0.069	169.8	1.57	12.41	29.19	0
7/3/20 3:00	0.764	103.6	8.04	12.23	29.19	0
7/3/20 3:15	1.851	108.2	9.63	12.2	29.19	0
7/3/20 3:30	2.802	125.5	3.169	12.21	29.19	0
7/3/20 3:45	1.834	158.4	22.59	12.29	29.19	0
7/3/20 4:00	2.193	151.1	12.26	12.16	29.2	0
7/3/20 4:15	3.009	164.6	9.65	12.21	29.2	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/3/20 4:30	1.779	154.5	12.32	12.18	29.2	0
7/3/20 4:45	2.353	178.8	17.22	12.25	29.2	0
7/3/20 5:00	3.041	201	5.624	12.32	29.23	0
7/3/20 5:15	1.846	159.5	19.63	12.2	29.23	0
7/3/20 5:30	3.254	166.1	6.871	12.32	29.23	0
7/3/20 5:45	3.758	155.6	9.69	12.46	29.23	0
7/3/20 6:00	4.263	143.8	8.07	12.58	29.24	0
7/3/20 6:15	4.951	154	12.28	12.69	29.24	0
7/3/20 6:30	5.855	182.3	8.94	12.62	29.24	0
7/3/20 6:45	5.993	175.2	8.87	12.63	29.24	0
7/3/20 7:00	6.758	175.2	7.79	12.72	29.25	0
7/3/20 7:15	6.459	162.7	10.2	12.99	29.25	0
7/3/20 7:30	7.678	171.3	12.13	13.18	29.25	0
7/3/20 7:45	7.584	169.4	11.2	13.03	29.25	0
7/3/20 8:00	6.325	176.1	9.34	12.95	29.26	0
7/3/20 8:15	7.741	190.5	8.8	13.06	29.26	0
7/3/20 8:30	6.478	176.3	10.92	13.11	29.26	0
7/3/20 8:45	6.821	181.8	11.58	13.24	29.26	0
7/3/20 9:00	6.541	177.8	11.91	13.4	29.28	0
7/3/20 9:15	6.572	179.2	7.894	13.39	29.28	0
7/3/20 9:30	5.528	181.7	11.47	13.66	29.28	0
7/3/20 9:45	4.525	186.9	16.67	13.99	29.28	0
7/3/20 10:00	4.769	192.8	19.4	14.19	29.27	0
7/3/20 10:15	4.849	200.8	20.73	13.97	29.27	0
7/3/20 10:30	4.609	236.7	17.98	13.93	29.27	0
7/3/20 10:45	3.697	241.2	24.7	14.05	29.27	0
7/3/20 11:00	2.991	239.8	41.24	14.71	29.28	0
7/3/20 11:15	4.648	164.8	43.79	14.8	29.28	0
7/3/20 11:30	4.586	176.9	24.84	15.03	29.28	0
7/3/20 11:45	3.911	201.8	25.92	15.08	29.28	0
7/3/20 12:00	5.395	199.1	19.02	15.32	29.29	0
7/3/20 12:15	5.463	184.1	14.03	15.55	29.29	0
7/3/20 12:30	7.317	254.3	40.24	15.41	29.29	0
7/3/20 12:45	5.223	266.5	15.94	15.25	29.29	0
7/3/20 13:00	3.257	258.6	28.15	15.67	29.3	0
7/3/20 13:15	6.399	274.7	16.37	15.3	29.3	0
7/3/20 13:30	4.902	279.7	18.18	15.47	29.3	0
7/3/20 13:45	3.146	289.5	15.22	15.56	29.3	0
7/3/20 14:00	3.605	219.3	21.2	15.68	29.3	0
7/3/20 14:15	2.073	232.9	49.44	15.83	29.3	0
7/3/20 14:30	1.487	26.43	70.26	16.6	29.3	0
7/3/20 14:45	2.964	115.1	17.99	16.45	29.3	0
7/3/20 15:00	2.095	228.5	55.16	16.81	29.31	0
7/3/20 15:15	3.174	272.6	27.62	16.7	29.31	0
7/3/20 15:30	1.776	262.8	24.1	16.92	29.31	0
7/3/20 15:45	2.389	275.6	70.62	16.83	29.31	0
7/3/20 16:00	1.384	288.4	58.38	17.63	29.3	0
7/3/20 16:15	2.44	296.5	31.08	16.8	29.3	0
7/3/20 16:30	4.724	278.3	23.63	16.83	29.3	0
7/3/20 16:45	5.863	261.5	9.29	16.62	29.3	0
7/3/20 17:00	5.891	267.2	10.61	16.55	29.31	0
7/3/20 17:15	5.795	276.9	9.01	16.73	29.31	0
7/3/20 17:30	4.243	278.7	32.65	16.69	29.31	0
7/3/20 17:45	2.786	244.8	38.5	16.54	29.31	0
7/3/20 18:00	3.647	294.5	12.02	16.46	29.29	0
7/3/20 18:15	4.402	275.9	11.53	16.35	29.29	0
7/3/20 18:30	3.116	249.1	15.33	16.6	29.29	0
7/3/20 18:45	4.39	235.7	13.43	16.38	29.29	0
7/3/20 19:00	3.609	231.8	8.1	16.21	29.3	0
7/3/20 19:15	2.781	222.6	11.95	16	29.3	0
7/3/20 19:30	3.046	239.5	8.18	15.86	29.3	0
7/3/20 19:45	2.071	240	10.15	15.75	29.3	0
7/3/20 20:00	2.157	238.2	3.714	15.68	29.29	0
7/3/20 20:15	3.128	233.4	5.648	15.48	29.29	0
7/3/20 20:30	3.081	219.9	1.845	15.26	29.29	0
7/3/20 20:45	3.13	208	8.11	15.14	29.29	0
7/3/20 21:00	2.497	224.9	6.554	15.13	29.33	0
7/3/20 21:15	1.019	292.2	32.21	14.62	29.33	0
7/3/20 21:30	1.983	340.8	17.91	14.2	29.33	0
7/3/20 21:45	2.018	5.101	5.607	14.27	29.33	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/3/20 22:00	2.358	9.07	10.11	14.21	29.32	0
7/3/20 22:15	2.066	24.31	5.116	13.93	29.32	0
7/3/20 22:30	1.441	27.54	0.595	13.9	29.32	0
7/3/20 22:45	2.011	301.1	29.99	14.06	29.32	0
7/3/20 23:00	2.925	254.2	22.7	14.15	29.31	0
7/3/20 23:15	2.797	200.4	7.215	13.26	29.31	0
7/3/20 23:30	1.55	185.9	26.02	13.25	29.31	0
7/3/20 23:45	1.836	52.7	9.08	12.69	29.31	0
7/4/20 0:00	1.526	67.72	8.11	12.81	29.33	0
7/4/20 0:15	2.748	144.3	27.01	13.09	29.33	0
7/4/20 0:30	3.535	176.5	4.322	13.22	29.33	0
7/4/20 0:45	3.312	182.4	8.27	12.98	29.33	0
7/4/20 1:00	1.552	103.4	26.1	12.45	29.33	0
7/4/20 1:15	1.255	103.2	19.22	12.58	29.33	0
7/4/20 1:30	2.113	142.2	6.307	12.74	29.33	0
7/4/20 1:45	1.463	132.8	7.412	12.55	29.33	0
7/4/20 2:00	2.353	152.2	17.65	12.42	29.33	0
7/4/20 2:15	2.63	198.2	5.691	12.59	29.33	0
7/4/20 2:30	2.544	208.2	5.281	12.47	29.33	0
7/4/20 2:45	2.595	228	6.807	12.42	29.33	0
7/4/20 3:00	2.804	231	6.602	12.18	29.32	0
7/4/20 3:15	2.453	206.6	10.35	11.99	29.32	0
7/4/20 3:30	2.601	215.4	15.72	11.67	29.32	0
7/4/20 3:45	2.85	234.8	5.783	11.49	29.32	0
7/4/20 4:00	1.663	238.4	2.668	11.25	29.35	0
7/4/20 4:15	0.955	288.7	21.45	11.28	29.35	0
7/4/20 4:30	0.066	309.4	0.112	11.39	29.35	0
7/4/20 4:45	0.094	309	5.481	11.44	29.35	0
7/4/20 5:00	1.302	152.5	10.07	11.46	29.34	0
7/4/20 5:15	1.739	119.9	5.363	11.32	29.34	0
7/4/20 5:30	1.604	134.4	14.34	11.2	29.34	0
7/4/20 5:45	2.218	143.5	5.643	11.35	29.34	0
7/4/20 6:00	2.742	132.9	4.356	12.14	29.37	0
7/4/20 6:15	3.328	141.9	7.025	12.03	29.37	0
7/4/20 6:30	3.325	177	19.57	12.05	29.37	0
7/4/20 6:45	4.373	202	7.733	11.98	29.37	0
7/4/20 7:00	4.763	208.3	6.206	11.99	29.36	0
7/4/20 7:15	4.323	203.9	5.972	12.25	29.36	0
7/4/20 7:30	3.814	215.7	9.28	12.57	29.36	0
7/4/20 7:45	3.676	220.2	11.03	13.23	29.36	0
7/4/20 8:00	3.635	207.2	17.32	13.62	29.37	0
7/4/20 8:15	3.524	224.2	13.26	13.79	29.37	0
7/4/20 8:30	3.618	207.1	28.82	14.1	29.37	0
7/4/20 8:45	2.891	223.3	30.98	14.66	29.37	0
7/4/20 9:00	3.912	230.1	21.41	14.36	29.38	0
7/4/20 9:15	3.793	210.6	14.21	14.66	29.38	0
7/4/20 9:30	4.377	203.4	12.99	14.72	29.38	0
7/4/20 9:45	3.959	203.1	19.49	15.68	29.38	0
7/4/20 10:00	4.468	206.3	43.34	16.23	29.38	0
7/4/20 10:15	6.014	270.6	11.63	15.48	29.38	0
7/4/20 10:30	5.677	232.5	23.72	16.02	29.38	0
7/4/20 10:45	4.11	246.5	37.15	16.83	29.38	0
7/4/20 11:00	5.446	242.4	24.3	17.51	29.4	0
7/4/20 11:15	7.796	253.7	14.13	17.24	29.4	0
7/4/20 11:30	6.405	232.2	13.26	16.91	29.4	0
7/4/20 11:45	6.707	249.1	16.48	16.76	29.4	0
7/4/20 12:00	5.299	261.7	16.83	17.48	29.39	0
7/4/20 12:15	5.251	265.3	18.1	18.08	29.39	0
7/4/20 12:30	7.203	274.9	20.46	18.6	29.39	0
7/4/20 12:45	4.445	237.7	38.59	17.9	29.39	0
7/4/20 13:00	8.18	296.3	21.26	17.99	29.39	0
7/4/20 13:15	7.014	295.7	21.61	18.17	29.39	0
7/4/20 13:30	7.651	302.1	16.31	18.84	29.39	0
7/4/20 13:45	7.201	308.8	15.03	19.24	29.39	0
7/4/20 14:00	8.95	318.5	11.29	18.93	29.39	0
7/4/20 14:15	6.642	307	17.33	18.71	29.39	0
7/4/20 14:30	6.752	294.8	18.38	19.01	29.39	0
7/4/20 14:45	6.826	276.2	19.13	19.48	29.39	0
7/4/20 15:00	7.167	268.6	18.9	20.03	29.37	0
7/4/20 15:15	8.72	282.2	19.22	19.94	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/4/20 15:30	7.493	256.5	23.66	19.69	29.37	0
7/4/20 15:45	7.453	252.7	20.02	20.14	29.37	0
7/4/20 16:00	5.493	294	38.39	20.1	29.37	0
7/4/20 16:15	5.597	299.1	24.67	20.41	29.37	0
7/4/20 16:30	5.37	292.4	21.66	20.17	29.37	0
7/4/20 16:45	7.58	272.3	17.17	20.17	29.37	0
7/4/20 17:00	8.97	261.2	12.9	19.95	29.36	0
7/4/20 17:15	6.83	285.6	21.48	19.87	29.36	0
7/4/20 17:30	4.814	274.8	28.83	20.18	29.36	0
7/4/20 17:45	8.06	326.9	19.56	19.58	29.36	0
7/4/20 18:00	8	323.2	13.48	19.36	29.37	0
7/4/20 18:15	7.341	322.3	6.749	19.17	29.37	0
7/4/20 18:30	7.14	315.1	6.854	19.13	29.37	0
7/4/20 18:45	6.026	313.2	8.96	19.01	29.37	0
7/4/20 19:00	6.438	309.8	6.289	18.85	29.35	0
7/4/20 19:15	6.727	306.7	6.043	18.43	29.35	0
7/4/20 19:30	6.41	310.3	4.954	18.02	29.35	0
7/4/20 19:45	6.701	314.5	3.669	17.36	29.35	0
7/4/20 20:00	6.635	309.8	4.376	16.78	29.37	0
7/4/20 20:15	6.63	311.8	3.409	16.21	29.37	0
7/4/20 20:30	7.142	319.6	4.135	16.1	29.37	0
7/4/20 20:45	6.293	324.8	6.965	16.14	29.37	0
7/4/20 21:00	4.892	333.2	30.78	15.96	29.38	0
7/4/20 21:15	5.384	23.68	15	15.53	29.38	0
7/4/20 21:30	6.548	9.12	12.39	15.18	29.38	0
7/4/20 21:45	8.12	10.04	14.95	15.04	29.38	0
7/4/20 22:00	6.636	11.29	13.82	14.99	29.36	0
7/4/20 22:15	5.158	16.75	20.9	14.81	29.36	0
7/4/20 22:30	4.125	21.82	19.42	14.29	29.36	0
7/4/20 22:45	5.318	37.27	7.098	13.87	29.36	0
7/4/20 23:00	6.948	34.06	8.43	13.76	29.36	0
7/4/20 23:15	9.3	28.18	5.978	13.52	29.36	0
7/4/20 23:30	9.38	29.4	5.356	13.1	29.36	0
7/4/20 23:45	11.15	25.9	6.099	13.07	29.36	0
7/5/20 0:00	11.52	23.19	5.422	12.95	29.35	0
7/5/20 0:15	11.49	22.18	5.511	12.87	29.35	0
7/5/20 0:30	10.94	26.3	6.545	12.99	29.35	0
7/5/20 0:45	9.51	20.24	11.12	12.97	29.35	0
7/5/20 1:00	8.53	30.1	10.9	12.64	29.37	0
7/5/20 1:15	8.17	39.94	9.09	12.3	29.37	0
7/5/20 1:30	7.438	43.09	7.844	11.92	29.37	0
7/5/20 1:45	6.96	40.83	7.613	11.95	29.37	0
7/5/20 2:00	6.885	36.37	7.865	11.89	29.38	0
7/5/20 2:15	6.761	28.92	7.904	11.43	29.38	0
7/5/20 2:30	5.793	26.03	7.418	11.37	29.38	0
7/5/20 2:45	4.035	32.88	9.04	11.43	29.38	0
7/5/20 3:00	3.353	32.19	6.023	11.46	29.35	0
7/5/20 3:15	3.22	22.42	6.431	11.41	29.35	0
7/5/20 3:30	3.934	34.72	7.634	11.34	29.35	0
7/5/20 3:45	3.453	43.87	5.214	11.18	29.35	0
7/5/20 4:00	5.201	41.53	7.266	11.38	29.38	0
7/5/20 4:15	4.758	34.72	7.918	11.58	29.38	0
7/5/20 4:30	4.425	34.19	7.335	11.75	29.38	0
7/5/20 4:45	4.582	33.62	6.425	11.75	29.38	0
7/5/20 5:00	4.571	29.98	6.321	11.71	29.35	0
7/5/20 5:15	5.594	29.14	7.025	11.66	29.35	0
7/5/20 5:30	4.936	29.77	7.967	11.67	29.35	0
7/5/20 5:45	4.179	25.35	7.356	11.69	29.35	0
7/5/20 6:00	4.443	22.54	6.072	12.11	29.37	0
7/5/20 6:15	5.188	32.05	7.998	12.47	29.37	0
7/5/20 6:30	4.399	34.09	10.43	12.82	29.37	0
7/5/20 6:45	5.318	30.21	9.58	12.84	29.37	0
7/5/20 7:00	5.591	32.32	8.57	13.07	29.38	0
7/5/20 7:15	5.845	36.66	10.73	13.45	29.38	0
7/5/20 7:30	6.359	25.58	10.38	13.85	29.38	0
7/5/20 7:45	4.764	25.81	7.632	14.3	29.38	0
7/5/20 8:00	3.174	52.18	18.95	14.79	29.36	0
7/5/20 8:15	1.737	344.4	43.66	15.48	29.36	0
7/5/20 8:30	1.833	234.9	23.88	16.05	29.36	0
7/5/20 8:45	2.648	211.5	61.77	16.25	29.36	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/5/20 9:00	2.157	196.9	47.86	16.83	29.37	0
7/5/20 9:15	2.83	200.5	37.85	16.41	29.37	0
7/5/20 9:30	3.149	201.3	38.77	17.24	29.37	0
7/5/20 9:45	3.599	225.2	47.36	17.54	29.37	0
7/5/20 10:00	4.082	346.4	48.32	17.58	29.35	0
7/5/20 10:15	2.412	358.5	34.63	17.57	29.35	0
7/5/20 10:30	2.914	3.587	27.35	17.95	29.35	0
7/5/20 10:45	4.223	329.7	25.93	18.05	29.35	0
7/5/20 11:00	4.893	320	23.74	18.5	29.36	0
7/5/20 11:15	4.975	331.1	24.95	18.81	29.36	0
7/5/20 11:30	3.245	328.8	24.73	19.21	29.36	0
7/5/20 11:45	4.974	326.8	26.73	18.77	29.36	0
7/5/20 12:00	3.201	295.2	44.28	18.77	29.33	0
7/5/20 12:15	4.23	321.6	63.57	18.92	29.33	0
7/5/20 12:30	4.575	320.8	24.22	19.05	29.33	0
7/5/20 12:45	3.876	321	24.11	19.16	29.33	0
7/5/20 13:00	5.248	322.5	17.36	20.11	29.34	0
7/5/20 13:15	6.913	291.4	26.42	20.74	29.34	0
7/5/20 13:30	7.38	313.1	22.96	20.41	29.34	0
7/5/20 13:45	8.73	262.1	13.27	20.28	29.34	0
7/5/20 14:00	9.09	266.2	12.66	20.22	29.33	0
7/5/20 14:15	8.89	263.4	16.03	20.38	29.33	0
7/5/20 14:30	8.25	244.5	22.06	20.69	29.33	0
7/5/20 14:45	5.617	266.1	23.85	21.23	29.33	0
7/5/20 15:00	4.517	291.8	48.31	20.81	29.31	0
7/5/20 15:15	4.365	320.8	28.68	20.74	29.31	0
7/5/20 15:30	6.019	345	18.11	21.1	29.31	0
7/5/20 15:45	6.155	296	26.22	21.71	29.31	0
7/5/20 16:00	6.05	283.9	32.02	21.44	29.29	0
7/5/20 16:15	6.575	274.7	19.94	21.28	29.29	0
7/5/20 16:30	4.158	282.7	25.1	21.3	29.29	0
7/5/20 16:45	5.5	276.4	25.93	21.41	29.29	0
7/5/20 17:00	5.498	259.1	15.96	21.05	29.3	0
7/5/20 17:15	3.804	240.7	36.27	21.27	29.3	0
7/5/20 17:30	2.859	173.4	32.26	21.22	29.3	0
7/5/20 17:45	3.143	190	42.4	21.56	29.3	0
7/5/20 18:00	6.262	250.5	16.38	20.93	29.27	0
7/5/20 18:15	4.46	241	12.37	20.99	29.27	0
7/5/20 18:30	5.277	220.5	15	20.97	29.27	0
7/5/20 18:45	5.938	224.4	8.75	20.78	29.27	0
7/5/20 19:00	4.71	236.5	12.49	20.73	29.28	0
7/5/20 19:15	2.825	244.5	12.65	20.58	29.28	0
7/5/20 19:30	3.645	244.2	8.36	20.53	29.28	0
7/5/20 19:45	3.229	244	3.503	20.31	29.28	0
7/5/20 20:00	4.036	258.8	6.806	19.84	29.25	0
7/5/20 20:15	3.257	287.2	22.96	19.37	29.25	0
7/5/20 20:30	2.32	13.16	36.26	18.32	29.25	0
7/5/20 20:45	1.291	275	49.54	18.16	29.25	0
7/5/20 21:00	4.229	258.7	11.33	18.04	29.28	0
7/5/20 21:15	4.539	297.5	43.13	17.13	29.28	0
7/5/20 21:30	3.384	338.7	29.4	16.02	29.28	0
7/5/20 21:45	4.355	293.2	16.1	16.38	29.28	0
7/5/20 22:00	4.001	305.8	8.53	15.97	29.28	0
7/5/20 22:15	2.838	3.493	30.06	15.43	29.28	0
7/5/20 22:30	2.993	40.3	12.44	14.52	29.28	0
7/5/20 22:45	2.841	38.31	16.23	14.15	29.28	0
7/5/20 23:00	6.02	28.25	10.37	13.91	29.28	0
7/5/20 23:15	6.411	31.14	8.48	13.42	29.28	0
7/5/20 23:30	5.54	21.52	11.6	13.15	29.28	0
7/5/20 23:45	4.236	42.76	9.43	12.83	29.28	0
7/6/20 0:00	4.295	65.58	20.87	12.28	29.28	0
7/6/20 0:15	3.905	121	9.51	12.37	29.28	0
7/6/20 0:30	3.398	135.8	9.19	12.65	29.28	0
7/6/20 0:45	3.543	149.6	13.43	12.87	29.28	0
7/6/20 1:00	3.26	118	5.115	12.78	29.27	0
7/6/20 1:15	2.968	121.7	6.367	13.02	29.27	0
7/6/20 1:30	3.123	135.4	8.39	12.96	29.27	0
7/6/20 1:45	3.635	140	8.68	12.8	29.27	0
7/6/20 2:00	2.932	167.3	12.48	13.01	29.25	0
7/6/20 2:15	2.779	165.4	6.263	13.07	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/6/20 2:30	2.915	170.5	11.75	12.92	29.25	0
7/6/20 2:45	3.807	168.5	11.21	12.7	29.25	0
7/6/20 3:00	1.716	157	51.13	12.64	29.27	0
7/6/20 3:15	2.06	164	47.83	12.57	29.27	0
7/6/20 3:30	3.414	141.8	11.63	12.05	29.27	0
7/6/20 3:45	2.569	122.6	6.518	12.07	29.27	0
7/6/20 4:00	2.291	106.5	14.42	12.01	29.26	0
7/6/20 4:15	2.057	144.8	24.96	12.31	29.26	0
7/6/20 4:30	1.619	132.8	5.348	12.4	29.26	0
7/6/20 4:45	2.19	126.1	15.52	12.3	29.26	0
7/6/20 5:00	2.117	113.5	6.631	12.25	29.26	0
7/6/20 5:15	1.574	117.5	5.094	12.42	29.26	0
7/6/20 5:30	1.697	141.8	15.05	12.61	29.26	0
7/6/20 5:45	1.323	150.9	8.47	12.71	29.26	0
7/6/20 6:00	1.217	152.5	18.76	12.93	29.26	0
7/6/20 6:15	2.662	161	13.06	13.07	29.26	0
7/6/20 6:30	3.76	172.3	7.626	13.11	29.26	0
7/6/20 6:45	4.474	175.7	7.138	13.19	29.26	0
7/6/20 7:00	5.276	172.1	7.545	13.06	29.27	0
7/6/20 7:15	4.843	172.2	8.96	13.2	29.27	0
7/6/20 7:30	4.573	176.6	11.6	13.4	29.27	0
7/6/20 7:45	5.049	165.4	8.85	13.5	29.27	0
7/6/20 8:00	3.93	172	20.57	13.79	29.27	0
7/6/20 8:15	4.315	171.4	17.4	14.17	29.27	0
7/6/20 8:30	4.198	165.7	13.65	14.31	29.27	0
7/6/20 8:45	3.41	153.1	32.27	14.85	29.27	0
7/6/20 9:00	4.551	162.1	32.4	15.4	29.27	0
7/6/20 9:15	3.708	151	41.25	16.19	29.27	0
7/6/20 9:30	3.766	126.9	37.21	16.74	29.27	0
7/6/20 9:45	5.235	203.8	28.24	16.7	29.27	0
7/6/20 10:00	4.716	235.2	29.76	15.96	29.25	0
7/6/20 10:15	5.567	215.6	25.05	16.24	29.25	0
7/6/20 10:30	3.912	226	28.73	16.54	29.25	0
7/6/20 10:45	4.657	203.1	42.32	17.35	29.25	0
7/6/20 11:00	3.849	174.6	42.62	17.68	29.24	0
7/6/20 11:15	4.229	231.7	44.87	18.07	29.24	0
7/6/20 11:30	4.859	259.4	34.78	17.71	29.24	0
7/6/20 11:45	5.042	256.1	29.12	18.2	29.24	0
7/6/20 12:00	4.238	220.9	39.95	18.58	29.22	0
7/6/20 12:15	4.643	221.6	35.95	18.65	29.22	0
7/6/20 12:30	7.115	247.3	25.62	18.59	29.22	0
7/6/20 12:45	6.403	273.2	20	18.76	29.22	0
7/6/20 13:00	9.13	266.5	16.2	18.52	29.23	0
7/6/20 13:15	5.391	271.2	32.37	18.83	29.23	0
7/6/20 13:30	5.982	287.3	17.01	18.99	29.23	0
7/6/20 13:45	5.684	266.6	26.27	18.75	29.23	0
7/6/20 14:00	5.189	255.8	25.73	19.46	29.2	0
7/6/20 14:15	6.075	249	15.76	19.03	29.2	0
7/6/20 14:30	7.805	217.8	26.03	19.94	29.2	0
7/6/20 14:45	5.302	207.8	48.7	20.12	29.2	0
7/6/20 15:00	8.38	212.4	17.72	20.1	29.22	0
7/6/20 15:15	6.029	221.2	34.88	19.42	29.22	0
7/6/20 15:30	5.108	218.8	35.49	19.92	29.22	0
7/6/20 15:45	9.01	207.6	25.91	20.07	29.22	0
7/6/20 16:00	10.26	234.1	18.94	20.44	29.2	0
7/6/20 16:15	9.23	242.2	11.44	20.04	29.2	0
7/6/20 16:30	12.46	238.8	12.65	19.68	29.2	0
7/6/20 16:45	11.96	220.4	11.46	19.12	29.2	0
7/6/20 17:00	12.08	232.2	11.55	19	29.19	0
7/6/20 17:15	12.51	242.7	9.31	18.57	29.19	0
7/6/20 17:30	10.46	233.2	10.81	18.56	29.19	0
7/6/20 17:45	11.11	235.5	10.77	18.59	29.19	0
7/6/20 18:00	9.55	232.8	10.07	18.48	29.18	0
7/6/20 18:15	9.57	226.9	11.93	18.43	29.18	0
7/6/20 18:30	9.67	225.7	9.99	18.24	29.18	0
7/6/20 18:45	10.04	232.1	7.131	17.86	29.18	0
7/6/20 19:00	8.82	232.3	7.852	17.79	29.19	0
7/6/20 19:15	8.41	237.5	8.04	17.45	29.19	0
7/6/20 19:30	9.63	239.2	7.148	17.09	29.19	0
7/6/20 19:45	8.47	231.4	8.34	16.9	29.19	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/6/20 20:00	10.37	229.7	8.38	16.46	29.2	0
7/6/20 20:15	10.82	230.7	8.34	16.12	29.2	0
7/6/20 20:30	11.37	226.4	9.15	15.89	29.2	0
7/6/20 20:45	8.9	228.9	11	15.72	29.2	0
7/6/20 21:00	8.41	228.4	9.67	15.52	29.21	0
7/6/20 21:15	7.428	226	9.44	15.41	29.21	0
7/6/20 21:30	5.703	217.6	9.81	15.37	29.21	0
7/6/20 21:45	6.717	221.1	8.05	15.23	29.21	0
7/6/20 22:00	6.92	217.5	11.24	15.09	29.23	0
7/6/20 22:15	8.26	217	6.841	14.91	29.23	0
7/6/20 22:30	6.44	216.9	7.876	14.8	29.23	0
7/6/20 22:45	7.658	221.8	8.87	14.65	29.23	0
7/6/20 23:00	7.668	220.6	8.84	14.55	29.22	0
7/6/20 23:15	6.488	216.4	9.05	14.49	29.22	0
7/6/20 23:30	5.77	223.2	8.79	14.37	29.22	0
7/6/20 23:45	4.984	217	6.657	14.2	29.22	0
7/7/20 0:00	6.464	206.6	9.31	14.08	29.23	0
7/7/20 0:15	6.418	226.6	8.93	13.63	29.23	0
7/7/20 0:30	5.932	221.4	5.574	13.49	29.23	0
7/7/20 0:45	4.745	194.5	14.29	13.42	29.23	0
7/7/20 1:00	6.249	162.9	7.75	12.97	29.24	0
7/7/20 1:15	8.55	164.9	7.819	12.87	29.24	0
7/7/20 1:30	7.867	161.3	7.819	12.84	29.24	0
7/7/20 1:45	8.28	148.6	8.01	12.8	29.24	0
7/7/20 2:00	8.38	157.5	9.47	12.83	29.23	0
7/7/20 2:15	7.678	151.7	8.07	12.75	29.23	0
7/7/20 2:30	7.957	164.5	9.96	12.72	29.23	0
7/7/20 2:45	6.957	163.1	8.46	12.67	29.23	0
7/7/20 3:00	7.585	163.4	10.17	12.55	29.24	0
7/7/20 3:15	8.42	155.5	7.551	12.35	29.24	0
7/7/20 3:30	8.42	147.7	7.315	12.3	29.24	0
7/7/20 3:45	9.05	148.4	7.658	12.24	29.24	0
7/7/20 4:00	7.42	152.2	8.25	12.19	29.24	0
7/7/20 4:15	6.999	139.1	11.61	12.07	29.24	0
7/7/20 4:30	5.798	133.4	12.31	12.02	29.24	0
7/7/20 4:45	4.525	113.3	14.73	11.93	29.24	0
7/7/20 5:00	4.294	128.9	11.06	11.87	29.23	0
7/7/20 5:15	6.585	138.6	10.63	11.84	29.23	0
7/7/20 5:30	8.16	144.9	8.07	11.93	29.23	0
7/7/20 5:45	8.63	142.6	7.252	11.96	29.23	0
7/7/20 6:00	7.444	147.6	8.93	12.08	29.24	0
7/7/20 6:15	8.95	145.6	9.2	12.13	29.24	0
7/7/20 6:30	9.23	147.1	8.55	12.21	29.24	0
7/7/20 6:45	8.85	150.5	8.35	12.31	29.24	0
7/7/20 7:00	7.884	150.3	10.33	12.42	29.26	0
7/7/20 7:15	8.42	167.6	9.91	12.56	29.26	0
7/7/20 7:30	10.67	169.3	9.34	12.99	29.26	0
7/7/20 7:45	11.47	181.2	11.71	12.94	29.26	0
7/7/20 8:00	9.45	175.7	11.3	12.98	29.26	0
7/7/20 8:15	8.12	179.2	12.29	13.13	29.26	0
7/7/20 8:30	9.3	180.9	10.55	13.23	29.26	0
7/7/20 8:45	10.38	185.5	10.69	13.34	29.26	0
7/7/20 9:00	10.13	184.8	11.51	13.65	29.25	0
7/7/20 9:15	10.98	189.9	14.32	13.83	29.25	0
7/7/20 9:30	11.01	204.7	9.98	13.94	29.25	0
7/7/20 9:45	9.84	189.6	14.88	14.14	29.25	0
7/7/20 10:00	8.79	181.9	12.19	14.02	29.27	0
7/7/20 10:15	9.21	166.9	10.98	14.11	29.27	0
7/7/20 10:30	8.35	171.9	9.79	14.17	29.27	0
7/7/20 10:45	8.18	170.7	12.08	14.21	29.27	0
7/7/20 11:00	7.978	169.2	11.62	14.05	29.27	0
7/7/20 11:15	5.804	181.8	11.94	14.08	29.27	0
7/7/20 11:30	5.369	196.3	10.68	13.62	29.27	0.01
7/7/20 11:45	2.59	199.4	43	13.64	29.27	0.01
7/7/20 12:00	1.62	94.4	26.65	14.07	29.27	0
7/7/20 12:15	3.157	79.27	16.04	13.93	29.27	0
7/7/20 12:30	3.494	83.6	12.15	14.07	29.27	0
7/7/20 12:45	3.837	95.8	11.14	14.7	29.27	0
7/7/20 13:00	4.338	106.7	8.67	14.97	29.29	0
7/7/20 13:15	3.936	133.3	24.26	15.36	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/7/20 13:30	3.611	140.2	16.74	16.23	29.29	0
7/7/20 13:45	4.573	137.1	18.23	16.26	29.29	0
7/7/20 14:00	4.08	172.9	26.19	16.66	29.29	0
7/7/20 14:15	9.73	199.8	9.56	16.88	29.29	0
7/7/20 14:30	8.88	194.6	11.95	16.96	29.29	0
7/7/20 14:45	8.96	217.6	18.07	17.09	29.29	0
7/7/20 15:00	7.372	214.5	16.55	17.18	29.27	0
7/7/20 15:15	8.84	194.6	17.83	17.03	29.27	0
7/7/20 15:30	7.674	216.4	12.99	17.41	29.27	0
7/7/20 15:45	6.716	192.6	18.63	17.45	29.27	0
7/7/20 16:00	7.776	203.3	10.11	17.56	29.26	0
7/7/20 16:15	5.234	235.8	14.7	17.63	29.26	0
7/7/20 16:30	3.599	248	47.71	17.56	29.26	0
7/7/20 16:45	6.885	10.75	11.66	16.21	29.26	0
7/7/20 17:00	8.11	13.04	9.79	15.98	29.27	0
7/7/20 17:15	6.923	18.32	10.45	15.92	29.27	0
7/7/20 17:30	6.493	17.07	9.9	16.32	29.27	0
7/7/20 17:45	5.512	6.536	13.65	16.82	29.27	0
7/7/20 18:00	3.533	346.4	21.35	17.38	29.26	0
7/7/20 18:15	5.569	8.24	9.78	16.25	29.26	0
7/7/20 18:30	4.73	12.2	9.76	16.14	29.26	0
7/7/20 18:45	5.983	13.31	7.767	16.08	29.26	0
7/7/20 19:00	5.326	23.44	11.92	15.69	29.26	0
7/7/20 19:15	4.841	18.73	9.6	15.49	29.26	0
7/7/20 19:30	7.591	8.77	9.7	15.37	29.26	0
7/7/20 19:45	6.699	9.82	9.58	15.27	29.26	0
7/7/20 20:00	6.841	8.73	7.943	15.14	29.26	0
7/7/20 20:15	7.58	6.815	10.35	15.09	29.26	0
7/7/20 20:30	8.11	4.305	9.4	14.98	29.26	0
7/7/20 20:45	6.955	7.294	9.9	14.71	29.26	0
7/7/20 21:00	5.861	4.724	12.65	14.69	29.29	0
7/7/20 21:15	5.016	341.2	10.18	14.96	29.29	0
7/7/20 21:30	5.522	353.7	12.21	14.71	29.29	0
7/7/20 21:45	3.966	1.992	8.25	13.74	29.29	0
7/7/20 22:00	3.267	9.71	5.963	13.51	29.28	0
7/7/20 22:15	3.112	26.3	9.27	13.4	29.28	0
7/7/20 22:30	2.198	354.8	22.96	13.59	29.28	0
7/7/20 22:45	1.677	334.6	6.185	13.5	29.28	0
7/7/20 23:00	1.447	349.7	19.29	13.47	29.28	0
7/7/20 23:15	2.02	8.82	8.99	13.34	29.28	0
7/7/20 23:30	1.913	7.4	7.624	13.06	29.28	0
7/7/20 23:45	2.431	9.25	4.368	12.91	29.28	0
7/8/20 0:00	2.588	19.97	6.935	12.52	29.3	0
7/8/20 0:15	1.938	28.07	9.72	12.22	29.3	0
7/8/20 0:30	0.866	36.16	47.5	12.34	29.3	0
7/8/20 0:45	0.929	41.5	64.62	12.46	29.3	0
7/8/20 1:00	0.941	318.6	4.602	12.37	29.31	0
7/8/20 1:15	1.249	278	6.856	12.29	29.31	0
7/8/20 1:30	0.819	294.8	6.31	12.55	29.31	0
7/8/20 1:45	2.439	250.1	6.793	12.92	29.31	0
7/8/20 2:00	2.446	296.6	14.3	12.59	29.29	0
7/8/20 2:15	2.186	305.6	6.803	12.57	29.29	0
7/8/20 2:30	2.012	294.1	6.881	12.81	29.29	0
7/8/20 2:45	2.147	313.7	18.12	12.73	29.29	0
7/8/20 3:00	1.517	359.7	5.892	12.58	29.28	0
7/8/20 3:15	1.706	13.56	11.56	12.41	29.28	0
7/8/20 3:30	1.977	35.47	3.553	12.37	29.28	0
7/8/20 3:45	0.051	41.83	0.003	12.5	29.28	0
7/8/20 4:00	0.513	43.68	1.245	12.56	29.28	0
7/8/20 4:15	0.007	50.59	0.231	12.61	29.28	0
7/8/20 4:30	0	0	0	12.66	29.28	0
7/8/20 4:45	0.529	88.7	3.317	12.72	29.28	0
7/8/20 5:00	1.227	113.5	23.33	12.77	29.3	0
7/8/20 5:15	1.617	145.8	13.05	12.83	29.3	0
7/8/20 5:30	2.716	154.3	9.82	12.9	29.3	0
7/8/20 5:45	4.036	173.3	9.39	12.95	29.3	0
7/8/20 6:00	4.846	185.3	8.51	12.95	29.31	0
7/8/20 6:15	5.05	192.6	7.31	12.96	29.31	0
7/8/20 6:30	4.362	202.1	7.542	13.05	29.31	0
7/8/20 6:45	4.729	210.2	9.74	13.05	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/8/20 7:00	4.733	228	10.9	13.12	29.31	0
7/8/20 7:15	4.678	247.3	6.896	13.13	29.31	0
7/8/20 7:30	4.095	255.2	10.64	13.08	29.31	0
7/8/20 7:45	4.124	255.4	13.59	13.1	29.31	0
7/8/20 8:00	4.079	273.2	12.2	13.16	29.3	0
7/8/20 8:15	3.485	281.1	12.58	13.24	29.3	0
7/8/20 8:30	2.12	286.5	13.34	13.42	29.3	0
7/8/20 8:45	1.65	251.2	27.36	13.74	29.3	0
7/8/20 9:00	2.935	231.3	25.21	13.92	29.29	0
7/8/20 9:15	1.693	174.5	31.34	14.2	29.29	0
7/8/20 9:30	2.738	119.8	38.78	14.91	29.29	0
7/8/20 9:45	2.372	163	39.12	16.36	29.29	0
7/8/20 10:00	3.706	184.8	19.16	16.03	29.29	0
7/8/20 10:15	2.748	193.1	31.79	16.58	29.29	0
7/8/20 10:30	2.268	156.6	37.34	16.92	29.29	0
7/8/20 10:45	3.319	222.8	39.47	17.4	29.29	0
7/8/20 11:00	4.963	261.2	16.28	17.04	29.3	0
7/8/20 11:15	4.207	261.9	14.18	16.68	29.3	0
7/8/20 11:30	3.622	258.4	25.57	17.22	29.3	0
7/8/20 11:45	4.532	241.8	29.18	17.92	29.3	0
7/8/20 12:00	4.614	252.6	28.5	18.47	29.3	0
7/8/20 12:15	6.105	238	21.49	18.76	29.3	0
7/8/20 12:30	7.495	258.9	20.8	19.15	29.3	0
7/8/20 12:45	4.206	261.6	38.36	19.65	29.3	0
7/8/20 13:00	5.526	216.4	31.66	19.74	29.28	0
7/8/20 13:15	6.212	188.5	27.72	19.66	29.28	0
7/8/20 13:30	5.062	192.3	17.79	19.77	29.28	0
7/8/20 13:45	4.414	184.1	37.09	20.01	29.28	0
7/8/20 14:00	5.516	234.7	21.89	20.14	29.27	0
7/8/20 14:15	5.734	256.3	13.66	19.84	29.27	0
7/8/20 14:30	4.29	265	30.99	19.6	29.27	0
7/8/20 14:45	4.99	226.4	16.84	20.02	29.27	0
7/8/20 15:00	4.933	258	18	20.27	29.25	0
7/8/20 15:15	5.727	244.7	14.92	20.48	29.25	0
7/8/20 15:30	5.308	248.5	29.33	20.86	29.25	0
7/8/20 15:45	4.219	250.6	28.13	20.95	29.25	0
7/8/20 16:00	4.862	205.6	45.09	21.03	29.24	0
7/8/20 16:15	7.406	256.3	10.42	21.15	29.24	0
7/8/20 16:30	5.297	267.8	22.63	21.06	29.24	0
7/8/20 16:45	5.41	266.3	16.45	21.04	29.24	0
7/8/20 17:00	5.053	247.4	28.62	21.11	29.23	0
7/8/20 17:15	6.334	214.7	21.51	21.07	29.23	0
7/8/20 17:30	6.295	214	14.86	20.91	29.23	0
7/8/20 17:45	5.075	213.3	24.67	20.92	29.23	0
7/8/20 18:00	5.386	260.6	14.21	20.6	29.22	0
7/8/20 18:15	5.787	241.6	12.51	20.66	29.22	0
7/8/20 18:30	7.104	226.1	9.58	20.5	29.22	0
7/8/20 18:45	6.61	229.7	9.82	20.23	29.22	0
7/8/20 19:00	6.479	234.4	10.16	19.95	29.22	0
7/8/20 19:15	5.316	238.5	10.13	19.73	29.22	0
7/8/20 19:30	5.001	235.1	6.644	19.44	29.22	0
7/8/20 19:45	5.029	251.7	5.746	19.17	29.22	0
7/8/20 20:00	5.947	279.8	9.64	18.81	29.21	0
7/8/20 20:15	4.928	297	6.789	18.09	29.21	0
7/8/20 20:30	5.384	300.1	4.963	17.65	29.21	0
7/8/20 20:45	4.619	301.7	6.494	17.46	29.21	0
7/8/20 21:00	2.942	322	5.469	17.43	29.22	0
7/8/20 21:15	1.433	352.4	16.73	17.19	29.22	0
7/8/20 21:30	2.559	13.35	6.055	16.93	29.22	0
7/8/20 21:45	3.853	21.91	6.261	16.31	29.22	0
7/8/20 22:00	3.507	18.58	4.992	16.03	29.22	0
7/8/20 22:15	3.32	19.09	7.841	15.94	29.22	0
7/8/20 22:30	2.704	20.59	9.51	15.55	29.22	0
7/8/20 22:45	2.504	28.44	8.65	14.96	29.22	0
7/8/20 23:00	2.752	173.6	37.12	15.3	29.2	0
7/8/20 23:15	0.761	103.2	17.82	15.16	29.2	0
7/8/20 23:30	2.768	41.54	18.71	14.64	29.2	0
7/8/20 23:45	5.031	18.28	11.39	13.75	29.2	0
7/9/20 0:00	5.011	25.16	8.22	13.63	29.21	0
7/9/20 0:15	3.687	46.95	8.92	13.56	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/9/20 0:30	4.144	72.31	18.51	13.81	29.21	0
7/9/20 0:45	4.999	108.2	14.18	13.6	29.21	0
7/9/20 1:00	3.724	127.4	16.5	13.3	29.22	0
7/9/20 1:15	3.857	109.3	5.073	13.28	29.22	0
7/9/20 1:30	4.302	125	8.67	13.47	29.22	0
7/9/20 1:45	4.213	129.1	7.171	13.53	29.22	0
7/9/20 2:00	3.693	118.5	7.245	13.61	29.22	0
7/9/20 2:15	4.46	126.7	4.377	13.71	29.22	0
7/9/20 2:30	4.847	134.1	3.97	13.52	29.22	0
7/9/20 2:45	4.16	117.2	8.32	13.46	29.22	0
7/9/20 3:00	2.745	107.7	8.44	13.47	29.21	0
7/9/20 3:15	3.756	104.2	6.617	13.65	29.21	0
7/9/20 3:30	3.466	105.3	5.578	13.74	29.21	0
7/9/20 3:45	3.59	131.4	15	13.72	29.21	0
7/9/20 4:00	3.262	161.3	9.04	13.78	29.2	0
7/9/20 4:15	2.479	167.6	10.51	13.66	29.2	0
7/9/20 4:30	3.714	167.5	11.52	13.77	29.2	0
7/9/20 4:45	2.007	145.8	9.88	13.54	29.2	0
7/9/20 5:00	3.108	121.2	8.31	13.48	29.19	0
7/9/20 5:15	4.299	121.7	5.749	13.49	29.19	0
7/9/20 5:30	3.668	120.5	7.912	13.48	29.19	0
7/9/20 5:45	3.979	142	22.42	13.53	29.19	0
7/9/20 6:00	4.578	174.2	10.31	13.73	29.18	0
7/9/20 6:15	3.046	129.5	23.06	13.6	29.18	0
7/9/20 6:30	1.738	106.3	8.38	13.76	29.18	0
7/9/20 6:45	1.423	134.8	23.36	13.96	29.18	0
7/9/20 7:00	1.746	125.7	14.12	14.28	29.19	0
7/9/20 7:15	2.917	135.4	18.35	14.37	29.19	0
7/9/20 7:30	4.124	182.1	11.85	14.26	29.19	0
7/9/20 7:45	5.183	188	12.64	14.32	29.19	0
7/9/20 8:00	4.397	196.6	12.55	14.26	29.22	0
7/9/20 8:15	3.711	192.4	18.15	14.38	29.22	0.01
7/9/20 8:30	4.674	178.7	12.92	14.1	29.22	0
7/9/20 8:45	4.79	178.9	11.94	14.01	29.22	0.01
7/9/20 9:00	4.301	179.9	17.39	14.17	29.2	0
7/9/20 9:15	4.513	174.8	11.14	14.26	29.2	0
7/9/20 9:30	5.1	180	10.14	14.41	29.2	0
7/9/20 9:45	5.15	171.6	12.61	14.68	29.2	0
7/9/20 10:00	5.284	168.6	17.95	14.89	29.22	0
7/9/20 10:15	4.952	166.7	17.09	15.15	29.22	0
7/9/20 10:30	6.016	159.3	17.46	15.54	29.22	0
7/9/20 10:45	7.117	166.8	13.18	15.64	29.22	0
7/9/20 11:00	7.046	171.1	10.36	15.77	29.21	0
7/9/20 11:15	5.017	163.4	14.23	16	29.21	0
7/9/20 11:30	6.074	139.6	13.84	16.3	29.21	0
7/9/20 11:45	5.935	129.7	22.22	16.79	29.21	0
7/9/20 12:00	5.677	117.3	21.05	17.25	29.22	0
7/9/20 12:15	5.993	148.4	16.89	17.75	29.22	0
7/9/20 12:30	5.129	117.3	29.25	18.21	29.22	0
7/9/20 12:45	5.329	179.4	23.74	18.22	29.22	0
7/9/20 13:00	6.252	223.1	36.06	18.23	29.22	0
7/9/20 13:15	3.606	176.8	25.45	18.5	29.22	0
7/9/20 13:30	3.431	237.3	21.79	18.48	29.22	0
7/9/20 13:45	2.424	237.1	42.22	19.45	29.22	0
7/9/20 14:00	4.103	169.4	28.44	19.21	29.21	0
7/9/20 14:15	3.102	159.7	36.24	19.95	29.21	0
7/9/20 14:30	3.449	182.2	23.22	19.62	29.21	0
7/9/20 14:45	4.05	248.2	43.78	19.85	29.21	0
7/9/20 15:00	4.357	260.6	19.28	19.74	29.21	0
7/9/20 15:15	5.051	265.1	18.14	19.63	29.21	0
7/9/20 15:30	6.392	280.8	10.39	19.51	29.21	0
7/9/20 15:45	5.271	310.4	16.67	19.65	29.21	0
7/9/20 16:00	2.581	21.88	73.92	19.7	29.19	0
7/9/20 16:15	7.504	196.3	12.37	19.98	29.19	0
7/9/20 16:30	8	209.3	12.68	19.82	29.19	0
7/9/20 16:45	6.945	208.2	8.36	19.49	29.19	0
7/9/20 17:00	5.46	196.9	17.4	19.82	29.21	0
7/9/20 17:15	7.148	171	11.68	19.4	29.21	0
7/9/20 17:30	6.925	161.4	10.3	19.19	29.21	0
7/9/20 17:45	6.121	162	13.28	19.19	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/9/20 18:00	6.373	170.8	8.06	19.51	29.21	0
7/9/20 18:15	5.091	196.3	34.8	19.92	29.21	0
7/9/20 18:30	9.59	240.8	13.05	20.05	29.21	0
7/9/20 18:45	9.43	245.6	10.8	19.89	29.21	0
7/9/20 19:00	7.805	240.6	10.29	19.26	29.21	0
7/9/20 19:15	8.13	256.5	9.19	19.34	29.21	0
7/9/20 19:30	8.27	250.1	12.32	19.02	29.21	0
7/9/20 19:45	6.279	249.8	9.16	18.58	29.21	0
7/9/20 20:00	5.017	259.9	7.947	18.02	29.22	0
7/9/20 20:15	4.198	260.6	13.17	17.6	29.22	0
7/9/20 20:30	3.797	272	18.79	17.19	29.22	0
7/9/20 20:45	3.923	353.3	14.44	16.06	29.22	0
7/9/20 21:00	8.06	14.34	7.598	15.36	29.23	0
7/9/20 21:15	7.187	15.36	10.28	15.21	29.23	0
7/9/20 21:30	6.587	15.89	11.42	14.98	29.23	0
7/9/20 21:45	5.228	14.45	10.78	14.9	29.23	0
7/9/20 22:00	4.792	9.22	10.22	14.76	29.25	0
7/9/20 22:15	3.484	6.337	10.47	14.59	29.25	0
7/9/20 22:30	3.127	17.65	8.31	14.45	29.25	0
7/9/20 22:45	3.91	3.172	13.32	14.29	29.25	0
7/9/20 23:00	4.182	12.25	9.97	14.08	29.26	0
7/9/20 23:15	4.643	15.5	9.1	14.05	29.26	0
7/9/20 23:30	5.856	22.97	6.566	14.04	29.26	0
7/9/20 23:45	5.239	22.69	7.613	13.97	29.26	0
7/10/20 0:00	6.298	13.01	10.83	13.9	29.25	0
7/10/20 0:15	3.757	15.07	8.2	13.74	29.25	0
7/10/20 0:30	3.082	23.14	10.18	13.72	29.25	0
7/10/20 0:45	0.99	24.47	9.26	13.67	29.25	0
7/10/20 1:00	0.236	14.37	9.41	13.6	29.28	0
7/10/20 1:15	2.516	182.2	26.1	13.69	29.28	0
7/10/20 1:30	2.513	207.6	16.7	13.83	29.28	0
7/10/20 1:45	2.367	206.1	7.057	13.82	29.28	0
7/10/20 2:00	2.65	189.3	11.22	13.71	29.29	0
7/10/20 2:15	2.19	185.2	10.68	13.53	29.29	0
7/10/20 2:30	2.502	183.9	7.356	13.45	29.29	0
7/10/20 2:45	2.264	177	6.183	13.34	29.29	0
7/10/20 3:00	2.248	213.2	22.88	13.3	29.31	0
7/10/20 3:15	2.114	194.3	8.23	13.18	29.31	0
7/10/20 3:30	2.136	198.4	14.63	13.13	29.31	0
7/10/20 3:45	3.598	216.5	12.62	13.1	29.31	0
7/10/20 4:00	3.866	237.7	8.18	12.98	29.32	0
7/10/20 4:15	3.28	216.5	15.47	12.86	29.32	0
7/10/20 4:30	3.883	227.1	6.886	12.77	29.32	0
7/10/20 4:45	3.673	209.3	10.01	12.77	29.32	0
7/10/20 5:00	3.426	191.2	10.64	12.8	29.34	0
7/10/20 5:15	2.895	176.8	7.445	12.79	29.34	0
7/10/20 5:30	4.192	179.2	7.166	12.85	29.34	0
7/10/20 5:45	4.114	198.8	13.63	12.85	29.34	0
7/10/20 6:00	5.607	195	9.12	12.75	29.35	0
7/10/20 6:15	5.881	185	10.94	12.78	29.35	0
7/10/20 6:30	5.558	172.6	12.62	12.66	29.35	0
7/10/20 6:45	5.769	194.6	6.096	12.69	29.35	0
7/10/20 7:00	5.3	185.6	7.89	12.8	29.37	0
7/10/20 7:15	4.292	192.1	11	12.9	29.37	0
7/10/20 7:30	4.555	186.5	8.68	13.04	29.37	0
7/10/20 7:45	5.124	194.4	16.17	13.21	29.37	0
7/10/20 8:00	5.01	194.7	13.63	13.52	29.38	0
7/10/20 8:15	5.491	201.8	12.7	13.6	29.38	0
7/10/20 8:30	6.314	198.5	12.94	13.75	29.38	0
7/10/20 8:45	5.555	190.6	14	13.94	29.38	0
7/10/20 9:00	4.24	195	21.66	14.18	29.37	0
7/10/20 9:15	4.575	163.5	23.47	14.5	29.37	0
7/10/20 9:30	4.568	179.3	47.47	15.25	29.37	0
7/10/20 9:45	5.519	134.8	17	15.24	29.37	0
7/10/20 10:00	4.656	172.2	30.37	15.38	29.38	0
7/10/20 10:15	4.175	140.2	28.76	15.56	29.38	0
7/10/20 10:30	4.701	162.8	36.43	16.23	29.38	0
7/10/20 10:45	4.733	207.3	22.77	16.25	29.38	0
7/10/20 11:00	4.541	190.9	36.73	17.09	29.4	0
7/10/20 11:15	5.318	230.9	38.72	16.8	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/10/20 11:30	3.392	259.9	58.26	17.64	29.4	0
7/10/20 11:45	5.508	192.8	40.39	18.22	29.4	0
7/10/20 12:00	6.031	207.1	24.37	18.55	29.39	0
7/10/20 12:15	3.71	204.7	30.26	18.56	29.39	0
7/10/20 12:30	5.713	225.9	36.22	19.03	29.39	0
7/10/20 12:45	5.253	242	29.12	19.27	29.39	0
7/10/20 13:00	5.425	246.4	32.88	19.51	29.37	0
7/10/20 13:15	2.612	232.1	74.04	19.08	29.37	0
7/10/20 13:30	3.502	184.8	36.1	20.51	29.37	0
7/10/20 13:45	3.819	130.4	80.8	20.31	29.37	0
7/10/20 14:00	4.525	245.4	24.77	20.54	29.38	0
7/10/20 14:15	6.952	237.8	18.23	20.93	29.38	0
7/10/20 14:30	4.305	186.2	54.87	21.14	29.38	0
7/10/20 14:45	3.7	239.7	39.89	20.99	29.38	0
7/10/20 15:00	3.691	194	54.24	21.46	29.36	0
7/10/20 15:15	3.114	248.3	69.86	21.38	29.36	0
7/10/20 15:30	3.175	214.1	57.72	21.79	29.36	0
7/10/20 15:45	5.093	265.8	21.86	21.73	29.36	0
7/10/20 16:00	4.844	211.1	35.6	21.69	29.35	0
7/10/20 16:15	3.894	257.4	36.36	22.08	29.35	0
7/10/20 16:30	4.512	235.6	22.42	22.12	29.35	0
7/10/20 16:45	4.953	237.3	35.67	22.15	29.35	0
7/10/20 17:00	6.066	253.3	12.45	22.04	29.32	0
7/10/20 17:15	5.313	257.2	16.41	21.93	29.32	0
7/10/20 17:30	5.068	271.2	25.55	22.19	29.32	0
7/10/20 17:45	7.438	283	9.18	21.71	29.32	0
7/10/20 18:00	7.511	275.6	12.96	21.48	29.33	0
7/10/20 18:15	7.794	279.4	10.67	21.29	29.33	0
7/10/20 18:30	6.398	298.2	15.16	21.18	29.33	0
7/10/20 18:45	5.909	301.8	13.51	20.86	29.33	0
7/10/20 19:00	5.102	305.9	10.71	20.66	29.33	0
7/10/20 19:15	4.522	314.9	9.38	20.35	29.33	0
7/10/20 19:30	5.178	283	6.791	20.06	29.33	0
7/10/20 19:45	4.291	283.5	4.635	19.73	29.33	0
7/10/20 20:00	4.087	292.8	2.781	19.37	29.32	0
7/10/20 20:15	4.419	291.8	2.753	19.04	29.32	0
7/10/20 20:30	3.836	313	5.672	18.65	29.32	0
7/10/20 20:45	1.851	3.953	15.38	17.98	29.32	0
7/10/20 21:00	1.699	335	17.45	18.13	29.3	0
7/10/20 21:15	2.558	13.79	17.9	17.27	29.3	0
7/10/20 21:30	1.065	28.24	4.909	16.76	29.3	0
7/10/20 21:45	2.423	38.74	7.512	16.42	29.3	0
7/10/20 22:00	4.087	25.62	10.03	16.3	29.31	0
7/10/20 22:15	4.642	28.03	9.48	15.56	29.31	0
7/10/20 22:30	5.179	38.74	9.48	15.36	29.31	0
7/10/20 22:45	5.331	44.9	6.536	14.79	29.31	0
7/10/20 23:00	5.675	43.72	7.393	14.6	29.31	0
7/10/20 23:15	5.019	42.66	6.27	14.46	29.31	0
7/10/20 23:30	4.435	46.11	6.965	14.28	29.31	0
7/10/20 23:45	4.723	34.07	7.866	14.21	29.31	0
7/11/20 0:00	3.942	15.5	4.468	14.37	29.31	0
7/11/20 0:15	3.976	22.26	3.849	14.21	29.31	0
7/11/20 0:30	4.178	15.55	3.795	13.87	29.31	0
7/11/20 0:45	3.781	21.4	4.337	13.46	29.31	0
7/11/20 1:00	3.843	26.62	6.702	13.2	29.31	0
7/11/20 1:15	4.08	33.21	8.71	12.81	29.31	0
7/11/20 1:30	4.957	28.55	9.34	12.67	29.31	0
7/11/20 1:45	4.684	28.15	7.34	12.4	29.31	0
7/11/20 2:00	4.963	39.03	7.745	12.26	29.29	0
7/11/20 2:15	4.971	43.73	6.882	12.13	29.29	0
7/11/20 2:30	5.149	49.89	6.225	12.2	29.29	0
7/11/20 2:45	4.541	42.41	7.439	12.29	29.29	0
7/11/20 3:00	3.222	37.58	5.227	12.21	29.27	0
7/11/20 3:15	2.295	36.69	2.431	12.3	29.27	0
7/11/20 3:30	2.723	18.08	8.28	12.32	29.27	0
7/11/20 3:45	2.951	31.41	1.537	12.22	29.27	0
7/11/20 4:00	1.223	19.78	2.792	12.11	29.29	0
7/11/20 4:15	0.536	75.8	3.221	12.49	29.29	0
7/11/20 4:30	1.598	47.41	9.85	12.23	29.29	0
7/11/20 4:45	1.83	79.39	36.56	12.13	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/11/20 5:00	4.434	163	6.538	11.85	29.27	0
7/11/20 5:15	5.439	165.6	6.93	12.31	29.27	0
7/11/20 5:30	5.928	166.8	4.461	12.58	29.27	0
7/11/20 5:45	6.076	178.4	8.25	12.93	29.27	0
7/11/20 6:00	6.096	191.2	5.01	12.75	29.29	0
7/11/20 6:15	5.5	187.9	7.994	12.97	29.29	0
7/11/20 6:30	5.836	181.4	7.948	13.3	29.29	0
7/11/20 6:45	6.076	176.3	12.6	13.55	29.29	0
7/11/20 7:00	6.402	159	8.44	14.13	29.29	0
7/11/20 7:15	5.961	177.3	15.34	14.48	29.29	0
7/11/20 7:30	4.714	163	13.59	14.91	29.29	0
7/11/20 7:45	4.861	167	17.6	15.41	29.29	0
7/11/20 8:00	4.266	154.9	13.72	15.98	29.29	0
7/11/20 8:15	4.194	175.6	21.14	16.19	29.29	0
7/11/20 8:30	4.639	206.1	20.34	16.47	29.29	0
7/11/20 8:45	3.931	201.9	15.08	16.65	29.29	0
7/11/20 9:00	2.813	199.5	29.91	17.12	29.27	0
7/11/20 9:15	2.935	179.9	35.43	17.63	29.27	0
7/11/20 9:30	3.582	214	31.19	18.06	29.27	0
7/11/20 9:45	3.952	212.3	34.16	18.2	29.27	0
7/11/20 10:00	5.908	242.5	17.4	18.48	29.28	0
7/11/20 10:15	6.365	242.2	27.38	18.8	29.28	0
7/11/20 10:30	7.761	254.7	15.49	19	29.28	0
7/11/20 10:45	7.702	250.4	16.24	19.31	29.28	0
7/11/20 11:00	10.06	250.8	8.48	18.82	29.27	0
7/11/20 11:15	10.88	251.8	10.35	18.79	29.27	0
7/11/20 11:30	7.246	232.2	14.56	18.89	29.27	0
7/11/20 11:45	8.27	260.4	24.31	19.33	29.27	0
7/11/20 12:00	8.46	270	16.78	19.74	29.3	0
7/11/20 12:15	8.05	228	25.08	19.62	29.3	0
7/11/20 12:30	9.26	264.4	16.56	19.04	29.3	0
7/11/20 12:45	10.91	263.8	17.36	18.76	29.3	0
7/11/20 13:00	10.88	279.4	12.31	18.3	29.3	0
7/11/20 13:15	11.17	273.4	16.54	18.24	29.3	0
7/11/20 13:30	10.37	258.8	16.29	18.2	29.3	0
7/11/20 13:45	9.53	244.2	13.6	18.29	29.3	0
7/11/20 14:00	9.13	243.3	10.87	18.24	29.31	0
7/11/20 14:15	7.888	233.9	17.06	18.29	29.31	0
7/11/20 14:30	5.74	260.3	14.96	17.96	29.31	0
7/11/20 14:45	6.804	247.6	15.24	17.88	29.31	0
7/11/20 15:00	6.701	261.1	15.56	17.99	29.32	0
7/11/20 15:15	10.26	251.1	9.45	17.9	29.32	0
7/11/20 15:30	12	269.4	11.12	17.35	29.32	0
7/11/20 15:45	11.83	250.9	9.36	17.17	29.32	0
7/11/20 16:00	12.88	248.1	8.95	16.91	29.32	0
7/11/20 16:15	14.13	252.2	10.29	16.75	29.32	0
7/11/20 16:30	11.54	231.1	13.3	16.82	29.32	0
7/11/20 16:45	7.414	215.5	12.95	17.15	29.32	0
7/11/20 17:00	6.507	215.4	13.26	17.3	29.33	0
7/11/20 17:15	8.18	255.4	17.37	17.17	29.33	0
7/11/20 17:30	6.953	254.1	12.18	17.1	29.33	0
7/11/20 17:45	7.835	223.8	14.4	17.16	29.33	0
7/11/20 18:00	8.3	230.3	12.92	17	29.32	0
7/11/20 18:15	7.14	223.7	13.24	17.01	29.32	0
7/11/20 18:30	6.663	221.3	12.09	16.83	29.32	0
7/11/20 18:45	8.71	217.3	14.24	16.68	29.32	0
7/11/20 19:00	8.12	229.8	7.217	16.52	29.32	0
7/11/20 19:15	8.86	237.2	13.46	16.18	29.32	0
7/11/20 19:30	7.389	261.8	9.53	15.01	29.32	0
7/11/20 19:45	5.588	243.7	14.97	14.16	29.32	0
7/11/20 20:00	3.86	199.6	10.1	14.01	29.34	0
7/11/20 20:15	3.98	168.1	9.78	13.77	29.34	0
7/11/20 20:30	4.098	153.2	17.58	13.58	29.34	0
7/11/20 20:45	5.038	139	7.851	13.53	29.34	0
7/11/20 21:00	4.933	132.8	7.143	13.54	29.34	0
7/11/20 21:15	5.635	140.4	7.087	13.52	29.34	0
7/11/20 21:30	5.612	140	8.55	13.61	29.34	0
7/11/20 21:45	5.778	149.9	8.39	13.72	29.34	0
7/11/20 22:00	5.162	138.2	7.51	13.76	29.32	0
7/11/20 22:15	5.041	148.6	8.07	13.79	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/11/20 22:30	6.521	149.5	8.82	13.78	29.32	0
7/11/20 22:45	6.601	147.4	10.81	13.75	29.32	0
7/11/20 23:00	6.595	130.6	9.11	13.81	29.32	0
7/11/20 23:15	4.694	136.5	13.37	13.9	29.32	0
7/11/20 23:30	3.762	154.7	11.58	13.89	29.32	0
7/11/20 23:45	4.384	154.9	8.03	13.86	29.32	0
7/12/20 0:00	4.026	174.6	10.19	14	29.33	0
7/12/20 0:15	7.769	179.5	10.68	14.09	29.33	0
7/12/20 0:30	7.201	179.3	11.17	14.01	29.33	0
7/12/20 0:45	6.726	181.9	11.93	13.85	29.33	0
7/12/20 1:00	6.201	148.3	10.1	13.63	29.33	0
7/12/20 1:15	5.349	143.2	10.27	13.62	29.33	0
7/12/20 1:30	4.412	126	10.27	13.64	29.33	0
7/12/20 1:45	5.052	117.9	9.07	13.54	29.33	0
7/12/20 2:00	4.33	141.3	8.06	13.57	29.32	0
7/12/20 2:15	5.383	143.1	7.201	13.63	29.32	0
7/12/20 2:30	5.354	146.1	7.688	13.65	29.32	0
7/12/20 2:45	4.301	144.1	9.26	13.7	29.32	0
7/12/20 3:00	4.568	148.2	11.95	13.84	29.3	0
7/12/20 3:15	4.091	151	11.54	13.83	29.3	0
7/12/20 3:30	3.308	130.2	11.69	13.79	29.3	0
7/12/20 3:45	3.655	129.8	11.57	13.81	29.3	0
7/12/20 4:00	3.574	141.2	11.05	13.9	29.3	0
7/12/20 4:15	2.798	152.1	10.19	13.89	29.3	0
7/12/20 4:30	2.198	160.7	13.19	13.96	29.3	0
7/12/20 4:45	1.898	161.9	40.32	14.15	29.3	0
7/12/20 5:00	2.308	169.9	30.06	14.3	29.32	0
7/12/20 5:15	0.619	158.6	41.73	14.26	29.32	0
7/12/20 5:30	2.182	177.4	16.39	14.46	29.32	0
7/12/20 5:45	3.565	180.9	17.21	14.55	29.32	0
7/12/20 6:00	4.741	202.9	13.91	14.64	29.33	0
7/12/20 6:15	5.266	217.1	12.91	14.64	29.33	0
7/12/20 6:30	3.902	222.2	14.47	14.8	29.33	0
7/12/20 6:45	3.639	223.5	16.3	14.8	29.33	0
7/12/20 7:00	5.979	252	17.52	14.57	29.31	0
7/12/20 7:15	7.863	259.4	10.84	14.25	29.31	0
7/12/20 7:30	7.978	264.4	8.35	14.36	29.31	0
7/12/20 7:45	8.21	264.6	7.981	14.09	29.31	0.01
7/12/20 8:00	7.74	266.9	10.52	13.97	29.34	0
7/12/20 8:15	7.253	271.6	11.52	13.91	29.34	0
7/12/20 8:30	6.471	273.2	10.06	14.03	29.34	0.01
7/12/20 8:45	6.863	271.4	9.46	14.29	29.34	0
7/12/20 9:00	4.837	269.9	16.64	14.73	29.33	0
7/12/20 9:15	5.117	275.8	12.79	15.23	29.33	0
7/12/20 9:30	6.563	338	20.7	14.91	29.33	0
7/12/20 9:45	7.089	26.1	10.52	14.1	29.33	0
7/12/20 10:00	7.763	24.33	13.38	14.37	29.34	0
7/12/20 10:15	6.675	29.42	18.35	15.48	29.34	0
7/12/20 10:30	10.73	27.74	10.9	14.41	29.34	0
7/12/20 10:45	10.6	29.44	8.86	14.88	29.34	0
7/12/20 11:00	12.84	31.86	8.92	15.23	29.34	0
7/12/20 11:15	13.29	30.05	10.28	14.56	29.34	0
7/12/20 11:30	10.06	32.16	11.54	14.65	29.34	0
7/12/20 11:45	7.936	36.19	15.98	15.57	29.34	0
7/12/20 12:00	7.201	24.04	14.44	15.73	29.33	0
7/12/20 12:15	5.916	20.25	13.69	16.14	29.33	0
7/12/20 12:30	6.41	25.74	13.92	16.53	29.33	0
7/12/20 12:45	6.834	13.72	17.97	16.84	29.33	0
7/12/20 13:00	5.597	52.85	17.05	16.89	29.34	0
7/12/20 13:15	3.836	23.38	55.2	17.7	29.34	0
7/12/20 13:30	3.278	287.4	80.7	18.15	29.34	0
7/12/20 13:45	3.689	303	79.04	18.58	29.34	0
7/12/20 14:00	7.278	262.2	42.48	18.66	29.33	0
7/12/20 14:15	5.527	265.5	29.82	18.99	29.33	0
7/12/20 14:30	5.465	318.8	18.83	19.29	29.33	0
7/12/20 14:45	5.687	287.4	29.31	19.68	29.33	0
7/12/20 15:00	6.204	280	47.81	19.93	29.31	0
7/12/20 15:15	5.416	326.2	24.75	19.49	29.31	0
7/12/20 15:30	7.615	317.9	24.42	19.58	29.31	0
7/12/20 15:45	6.092	318.7	19.79	19.78	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/12/20 16:00	6.342	323.8	17.65	19.6	29.3	0
7/12/20 16:15	3.89	327.9	28.28	19.85	29.3	0
7/12/20 16:30	7.956	350.9	20.3	19.74	29.3	0
7/12/20 16:45	7.748	355.6	17.4	19.39	29.3	0
7/12/20 17:00	6.371	334.3	16.83	19.73	29.29	0
7/12/20 17:15	5.664	334	23.27	19.73	29.29	0
7/12/20 17:30	7.336	20.32	12.96	19.42	29.29	0
7/12/20 17:45	8.23	4.195	18.19	19.28	29.29	0
7/12/20 18:00	8.31	7.155	15.15	18.97	29.3	0
7/12/20 18:15	9.16	15.56	12.79	18.51	29.3	0
7/12/20 18:30	10.59	18.34	10.76	17.73	29.3	0
7/12/20 18:45	9.96	28.14	11.87	17.34	29.3	0
7/12/20 19:00	9.79	28.52	11.94	16.75	29.29	0
7/12/20 19:15	10.78	28.37	12.62	16.37	29.29	0
7/12/20 19:30	10.95	27.09	11.2	16.15	29.29	0
7/12/20 19:45	11.36	35.47	12.14	15.92	29.29	0
7/12/20 20:00	10.93	32.67	12.17	15.59	29.29	0
7/12/20 20:15	11.32	23.57	13.46	15.31	29.29	0
7/12/20 20:30	10.45	26.02	12.75	15.18	29.29	0
7/12/20 20:45	11.22	25.81	11.93	15.04	29.29	0
7/12/20 21:00	12.74	27.35	11.49	14.97	29.31	0
7/12/20 21:15	12.32	30.07	11.64	14.9	29.31	0
7/12/20 21:30	12.74	29.42	12.65	14.79	29.31	0
7/12/20 21:45	13.42	24.82	12.66	14.62	29.31	0
7/12/20 22:00	15.47	29.22	11.36	14.48	29.3	0
7/12/20 22:15	13.1	27.28	12.82	14.34	29.3	0
7/12/20 22:30	12.41	32.78	11.68	14.26	29.3	0
7/12/20 22:45	8.53	27.44	16.74	14.09	29.3	0
7/12/20 23:00	11.32	37.45	16.94	14.11	29.32	0
7/12/20 23:15	7.58	35.18	18.69	13.79	29.32	0
7/12/20 23:30	1.956	30.09	67.16	13.39	29.32	0
7/12/20 23:45	2.516	17.06	49.94	13.32	29.32	0
7/13/20 0:00	3.228	40.59	50.52	13.09	29.33	0
7/13/20 0:15	3.33	63.46	38.94	13.03	29.33	0
7/13/20 0:30	3.625	81.1	43.11	12.83	29.33	0
7/13/20 0:45	3.439	109.2	36.62	12.55	29.33	0
7/13/20 1:00	2.088	96	38.12	12.69	29.3	0
7/13/20 1:15	2.428	92.1	27.71	12.32	29.3	0
7/13/20 1:30	2.728	17.45	63.41	12.49	29.3	0
7/13/20 1:45	3.595	31.12	47.32	12.67	29.3	0
7/13/20 2:00	1.679	12.24	46.28	12.64	29.32	0
7/13/20 2:15	2.72	62.88	39.21	12.55	29.32	0
7/13/20 2:30	2.738	13.96	37.36	12.5	29.32	0
7/13/20 2:45	2.29	0.956	30.28	12.38	29.32	0
7/13/20 3:00	2.965	15.63	15.64	11.88	29.3	0
7/13/20 3:15	7.005	18.42	10.48	11.71	29.3	0
7/13/20 3:30	9.18	25.38	11.25	11.83	29.3	0
7/13/20 3:45	12.72	22.8	9.29	12.27	29.3	0
7/13/20 4:00	12.55	18.68	10.19	12.32	29.33	0
7/13/20 4:15	11.35	20.08	9.62	12.36	29.33	0
7/13/20 4:30	8.49	22.25	11.35	12.2	29.33	0
7/13/20 4:45	8.97	8.43	9.98	11.94	29.33	0
7/13/20 5:00	9.5	13.12	9.54	11.83	29.31	0
7/13/20 5:15	10.41	29.08	6.459	11.48	29.31	0
7/13/20 5:30	10.97	33.65	3.459	11.67	29.31	0
7/13/20 5:45	11.21	29.28	3.873	11.82	29.31	0
7/13/20 6:00	10.99	25.63	6.303	11.92	29.33	0
7/13/20 6:15	11.74	15.41	5.087	12.11	29.33	0
7/13/20 6:30	12.32	9.83	5.525	12.2	29.33	0
7/13/20 6:45	11.13	14.59	7.541	12.31	29.33	0
7/13/20 7:00	10.4	24.33	7.096	12.72	29.33	0
7/13/20 7:15	7.663	29.19	10.6	13.06	29.33	0
7/13/20 7:30	4.975	40.16	24.91	13.51	29.33	0
7/13/20 7:45	5.012	28.04	16.9	14.14	29.33	0
7/13/20 8:00	5.011	41.88	9.98	14.28	29.31	0
7/13/20 8:15	4.215	39.68	16.96	14.72	29.31	0
7/13/20 8:30	4.501	35.02	16.38	15.24	29.31	0
7/13/20 8:45	4.858	31.42	14.3	15.26	29.31	0
7/13/20 9:00	5.685	28.6	12.58	15.83	29.31	0
7/13/20 9:15	5.927	29.73	11.48	16.36	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/13/20 9:30	3.981	28.99	24.48	16.88	29.31	0
7/13/20 9:45	4.202	17.44	24.64	17.4	29.31	0
7/13/20 10:00	7.311	319.2	17.29	18.19	29.31	0
7/13/20 10:15	6.54	1.16	22.79	18.27	29.31	0
7/13/20 10:30	7.115	335.4	31.32	19.06	29.31	0
7/13/20 10:45	8.29	341.9	28.05	18.95	29.31	0
7/13/20 11:00	8.98	343.7	21.39	19.31	29.3	0
7/13/20 11:15	10.48	345.2	15.07	19.43	29.3	0
7/13/20 11:30	9.23	339.8	16.83	19.59	29.3	0
7/13/20 11:45	9.09	351.4	18.6	19.77	29.3	0
7/13/20 12:00	8.99	349.5	24.66	20.14	29.31	0
7/13/20 12:15	9.77	352.1	26.21	20.41	29.31	0
7/13/20 12:30	9.41	25.91	19.17	20.53	29.31	0
7/13/20 12:45	9.13	348.6	26.82	20.45	29.31	0
7/13/20 13:00	10.43	319.3	18.38	21.11	29.29	0
7/13/20 13:15	8.48	315.2	12.4	21.15	29.29	0
7/13/20 13:30	9.21	311.4	20.64	21.25	29.29	0
7/13/20 13:45	8.69	348.9	23.49	21.25	29.29	0
7/13/20 14:00	10.06	306.5	16.67	21.49	29.3	0
7/13/20 14:15	10.02	331.6	13.57	21.4	29.3	0
7/13/20 14:30	7.683	339.9	36.4	21.45	29.3	0
7/13/20 14:45	7.563	325.9	25.56	21.93	29.3	0
7/13/20 15:00	8.37	321.9	22.04	21.9	29.3	0
7/13/20 15:15	9.37	314.6	17.38	21.87	29.3	0
7/13/20 15:30	8.72	323.5	20.01	22.07	29.3	0
7/13/20 15:45	7.881	309.6	18.88	22.11	29.3	0
7/13/20 16:00	10.06	323.1	14.78	21.93	29.28	0
7/13/20 16:15	8.59	321.2	19.2	22.02	29.28	0
7/13/20 16:30	10.27	332.4	16.43	21.89	29.28	0
7/13/20 16:45	8.14	342.6	23.05	21.85	29.28	0
7/13/20 17:00	8.03	340.5	23.49	21.95	29.27	0
7/13/20 17:15	8.03	347.6	21.36	21.79	29.27	0
7/13/20 17:30	8.2	348.5	19.7	21.64	29.27	0
7/13/20 17:45	9.84	333.8	12.21	21.32	29.27	0
7/13/20 18:00	9.36	343.2	14.57	21.25	29.28	0
7/13/20 18:15	8.08	350.6	11.65	21.03	29.28	0
7/13/20 18:30	9.1	343.6	10.74	20.78	29.28	0
7/13/20 18:45	8.43	336.7	9.32	20.52	29.28	0
7/13/20 19:00	8.1	337.9	8.39	20.17	29.28	0
7/13/20 19:15	7.988	332.5	8.05	19.84	29.28	0
7/13/20 19:30	6.379	337.2	6.417	19.37	29.28	0
7/13/20 19:45	6.005	331.3	5.505	18.71	29.28	0
7/13/20 20:00	6.645	331.6	3.669	18.01	29.29	0
7/13/20 20:15	7.4	336.6	5.302	17.29	29.29	0
7/13/20 20:30	8.38	347.7	8.28	16.71	29.29	0
7/13/20 20:45	7.545	4.545	8.18	17.01	29.29	0
7/13/20 21:00	4.896	14.27	7.427	16.7	29.3	0
7/13/20 21:15	4.035	358.5	11.74	16.87	29.3	0
7/13/20 21:30	3.796	355.9	28.62	16.72	29.3	0
7/13/20 21:45	3.837	26.78	18.94	16.04	29.3	0
7/13/20 22:00	2.778	50.3	18.65	15.23	29.28	0
7/13/20 22:15	6.327	48.68	8.3	14.8	29.28	0
7/13/20 22:30	5.93	44.45	12.12	14.47	29.28	0
7/13/20 22:45	7.624	23.96	17.25	14.85	29.28	0
7/13/20 23:00	8.05	22.41	14.88	15.01	29.3	0
7/13/20 23:15	8.27	22.72	16.51	14.73	29.3	0
7/13/20 23:30	8.07	28.52	15.08	14.74	29.3	0
7/13/20 23:45	7.486	32.73	14.86	14.51	29.3	0
7/14/20 0:00	6.851	36.66	9.91	14.03	29.31	0
7/14/20 0:15	7.45	42.63	10.52	13.67	29.31	0
7/14/20 0:30	7.966	32.16	7.546	13.54	29.31	0
7/14/20 0:45	8.85	32.1	6.59	13.6	29.31	0
7/14/20 1:00	8.75	32.95	7.227	13.23	29.31	0
7/14/20 1:15	6.993	34.56	8.11	12.75	29.31	0
7/14/20 1:30	5.549	31.92	11.45	13.04	29.31	0
7/14/20 1:45	7.053	28.17	14.88	12.81	29.31	0
7/14/20 2:00	6.192	33.93	9.82	12.41	29.31	0
7/14/20 2:15	5.442	35.82	11.58	11.85	29.31	0
7/14/20 2:30	9	25.68	6.213	12.09	29.31	0
7/14/20 2:45	11.09	26.57	6.316	14.29	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/14/20 3:00	9.21	28.21	10.41	13.9	29.32	0
7/14/20 3:15	3.712	58.18	12.28	10.84	29.32	0
7/14/20 3:30	2.327	78.53	16.85	10.6	29.32	0
7/14/20 3:45	1.386	60.23	26.84	11.14	29.32	0
7/14/20 4:00	2.214	42.22	11.84	11.32	29.3	0
7/14/20 4:15	2.566	54.35	15.65	11.2	29.3	0
7/14/20 4:30	1.772	59.34	11.54	11.3	29.3	0
7/14/20 4:45	0.873	49.73	11.91	11.79	29.3	0
7/14/20 5:00	0.292	67.62	4.05	12.07	29.33	0
7/14/20 5:15	1.543	150.2	40.13	12.15	29.33	0
7/14/20 5:30	3.02	173.5	6.654	12.65	29.33	0
7/14/20 5:45	2.312	189.8	28.89	12.34	29.33	0
7/14/20 6:00	2.334	239.1	18.35	12.2	29.34	0
7/14/20 6:15	1.104	196.9	6.868	12.86	29.34	0
7/14/20 6:30	0.45	20.63	64.76	14.35	29.34	0
7/14/20 6:45	0.866	47.01	19.54	14.93	29.34	0
7/14/20 7:00	1.928	356.5	20.68	14.86	29.33	0
7/14/20 7:15	2.266	316.4	27.25	15.23	29.33	0
7/14/20 7:30	1.68	285.2	41.27	15.53	29.33	0
7/14/20 7:45	1.936	200.7	89.9	16.18	29.33	0
7/14/20 8:00	1.046	226	32.97	16.47	29.34	0
7/14/20 8:15	1.305	105	54.14	17.6	29.34	0
7/14/20 8:30	1.633	51.17	37.12	17.79	29.34	0
7/14/20 8:45	2.279	352.7	43.96	18.05	29.34	0
7/14/20 9:00	2.159	328	34.87	18.4	29.35	0
7/14/20 9:15	4.115	18.35	56.65	18.42	29.35	0
7/14/20 9:30	4.643	44.05	16.54	18.58	29.35	0
7/14/20 9:45	6.134	40.1	16.15	19.4	29.35	0
7/14/20 10:00	6.158	33.57	18.63	19.86	29.37	0
7/14/20 10:15	6.944	28.05	22.43	20.16	29.37	0
7/14/20 10:30	7.074	23.15	15.82	20.36	29.37	0
7/14/20 10:45	7.695	7.256	21.14	20.61	29.37	0
7/14/20 11:00	9.16	335.2	25.96	21.37	29.37	0
7/14/20 11:15	8.65	336.1	17.67	21.46	29.37	0
7/14/20 11:30	8.33	326.5	25.19	21.94	29.37	0
7/14/20 11:45	8.92	327.6	21.29	22.07	29.37	0
7/14/20 12:00	10.1	317.6	8.05	22.35	29.37	0
7/14/20 12:15	9.96	331.9	11.86	22.62	29.37	0
7/14/20 12:30	8.61	331.3	13.97	22.67	29.37	0
7/14/20 12:45	8.62	0.728	20.85	23.17	29.37	0
7/14/20 13:00	7.125	358	30.17	23.43	29.34	0
7/14/20 13:15	7.04	2.825	28.91	23.74	29.34	0
7/14/20 13:30	6.417	22.29	24.53	24.17	29.34	0
7/14/20 13:45	7.729	357.6	17.96	23.93	29.34	0
7/14/20 14:00	8.73	342.8	15.29	24.22	29.34	0
7/14/20 14:15	6.769	12.96	27.24	24.53	29.34	0
7/14/20 14:30	9.68	335.9	14.84	24.51	29.34	0
7/14/20 14:45	10.11	331.2	17.2	24.71	29.34	0
7/14/20 15:00	9.78	339.7	17.05	24.74	29.33	0
7/14/20 15:15	7.773	332.6	22.79	25.01	29.33	0
7/14/20 15:30	7.975	329.1	19.74	25.11	29.33	0
7/14/20 15:45	6.854	348.6	23.7	25.19	29.33	0
7/14/20 16:00	6.242	344.5	33.64	25.4	29.34	0
7/14/20 16:15	7.116	349.4	23.3	25.17	29.34	0
7/14/20 16:30	6.465	333.8	19.03	25.16	29.34	0
7/14/20 16:45	7.424	342.1	18.96	25.13	29.34	0
7/14/20 17:00	7.955	329.2	17.16	24.9	29.31	0
7/14/20 17:15	8.72	322.1	9.66	24.93	29.31	0
7/14/20 17:30	9.15	325.9	9.47	24.84	29.31	0
7/14/20 17:45	7.355	341.6	20.34	24.52	29.31	0
7/14/20 18:00	6.819	348.7	17.77	24.4	29.31	0
7/14/20 18:15	5.661	11.2	15.97	24.05	29.31	0
7/14/20 18:30	6.508	339.8	19.05	24.14	29.31	0
7/14/20 18:45	8.02	321.3	5.208	23.73	29.31	0
7/14/20 19:00	8.05	328.6	8.81	23.38	29.3	0
7/14/20 19:15	6.777	329.3	5.643	22.82	29.3	0
7/14/20 19:30	6.815	328.9	5.381	22.22	29.3	0
7/14/20 19:45	6.444	334.8	5.993	21.62	29.3	0
7/14/20 20:00	6.075	329	7.1	21.13	29.3	0
7/14/20 20:15	4.632	321.2	14.16	21.18	29.3	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/14/20 20:30	8.12	311.1	8.96	20.74	29.3	0
7/14/20 20:45	8.12	335.9	6.766	20.41	29.3	0
7/14/20 21:00	2.953	22.93	39.84	20.29	29.31	0
7/14/20 21:15	2.956	39.28	14.29	19.24	29.31	0
7/14/20 21:30	3.267	19.12	18.65	19.02	29.31	0
7/14/20 21:45	6.217	46.04	12.14	18.26	29.31	0
7/14/20 22:00	4.161	34.63	11.99	18.63	29.34	0
7/14/20 22:15	2.888	38.85	20.01	18.25	29.34	0
7/14/20 22:30	5.208	33.46	23.83	18.33	29.34	0
7/14/20 22:45	5.671	37	14.01	17.59	29.34	0
7/14/20 23:00	8.04	26.45	9.44	17.17	29.34	0
7/14/20 23:15	7.964	25.62	7.757	17.44	29.34	0
7/14/20 23:30	8.28	20.89	6.959	17.15	29.34	0
7/14/20 23:45	7.732	26.42	6.264	16.66	29.34	0
7/15/20 0:00	8.44	19.85	4.057	16.67	29.33	0
7/15/20 0:15	7.301	23.28	6.776	16.7	29.33	0
7/15/20 0:30	6.998	29.35	7.163	17.02	29.33	0
7/15/20 0:45	5.4	32.79	17.16	17.61	29.33	0
7/15/20 1:00	5.725	58.69	11.33	17.23	29.3	0
7/15/20 1:15	3.768	115.6	26.46	16.62	29.3	0
7/15/20 1:30	3.016	96.9	8.16	17.23	29.3	0
7/15/20 1:45	2.809	64.78	10.34	17.21	29.3	0
7/15/20 2:00	2.739	65.03	15.91	15.5	29.31	0
7/15/20 2:15	1.957	36.61	19.91	15.21	29.31	0
7/15/20 2:30	3.631	288.1	59.41	14.57	29.31	0
7/15/20 2:45	3.418	248.5	16.08	14.75	29.31	0
7/15/20 3:00	3.343	33.55	16.51	14.16	29.3	0
7/15/20 3:15	3.893	28.27	7.921	13.74	29.3	0
7/15/20 3:30	4.189	32.72	8.21	13.54	29.3	0
7/15/20 3:45	4.404	21.21	8.26	13.43	29.3	0
7/15/20 4:00	4.219	34.25	10.08	13.41	29.3	0
7/15/20 4:15	3.521	39.35	9.15	12.76	29.3	0
7/15/20 4:30	3.557	50.02	6.826	12.67	29.3	0
7/15/20 4:45	4.787	44.47	5.918	12.79	29.3	0
7/15/20 5:00	3.938	29.23	10.39	13.02	29.32	0
7/15/20 5:15	4.134	29.81	7.871	12.87	29.32	0
7/15/20 5:30	3.122	34.25	7.111	13.54	29.32	0
7/15/20 5:45	2.68	22.06	17.97	13.94	29.32	0
7/15/20 6:00	1.793	348.4	12.43	14.75	29.32	0
7/15/20 6:15	0.522	26.48	10.52	16.02	29.32	0
7/15/20 6:30	1.449	18.79	24.63	15.82	29.32	0
7/15/20 6:45	1.255	11.58	18.48	16.42	29.32	0
7/15/20 7:00	1.455	96.3	63.78	16.69	29.34	0
7/15/20 7:15	2.393	183.1	18.05	16.27	29.34	0
7/15/20 7:30	1.64	175.2	25.6	17.11	29.34	0
7/15/20 7:45	0.625	276.8	39.18	18.01	29.34	0
7/15/20 8:00	1.61	40.47	29.95	18.86	29.34	0
7/15/20 8:15	1.58	31.13	27.81	19.24	29.34	0
7/15/20 8:30	2.197	288.1	32.98	19.13	29.34	0
7/15/20 8:45	2.111	317.4	51.52	19.77	29.34	0
7/15/20 9:00	2.064	37.31	33.02	20.9	29.32	0
7/15/20 9:15	3.715	33.29	11.38	21.02	29.32	0
7/15/20 9:30	7.472	17.15	12.43	21.31	29.32	0
7/15/20 9:45	6.74	12.8	15.82	21.48	29.32	0
7/15/20 10:00	6.573	23.04	21.03	22.3	29.33	0
7/15/20 10:15	6.857	343.7	20.59	22.46	29.33	0
7/15/20 10:30	7.999	320.1	11.15	22.67	29.33	0
7/15/20 10:45	8.51	326.7	18.71	23	29.33	0
7/15/20 11:00	8.6	315.1	15.68	23.3	29.33	0
7/15/20 11:15	6.943	323.5	24.97	23.31	29.33	0
7/15/20 11:30	8.4	308.5	14.26	23.74	29.33	0
7/15/20 11:45	10.03	299.8	14.73	23.75	29.33	0
7/15/20 12:00	10.17	297.3	9.87	23.99	29.32	0
7/15/20 12:15	7.964	306.9	15.93	24.48	29.32	0
7/15/20 12:30	9.78	300.8	10.73	24.74	29.32	0
7/15/20 12:45	9.26	302.5	12.24	25.22	29.32	0
7/15/20 13:00	9.1	297.1	11.68	25.36	29.32	0
7/15/20 13:15	8.99	296.6	12.96	25.41	29.32	0
7/15/20 13:30	9.41	299.9	14.81	25.74	29.32	0
7/15/20 13:45	6.489	322.3	29.94	25.76	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/15/20 14:00	5.971	327.2	23.66	25.99	29.29	0
7/15/20 14:15	7.408	317.7	22.58	26.15	29.29	0
7/15/20 14:30	8.88	305.1	18.03	26.25	29.29	0
7/15/20 14:45	7.609	340	19.65	26.4	29.29	0
7/15/20 15:00	7.221	332.3	28.43	26.46	29.3	0
7/15/20 15:15	8.12	319.8	14.87	26.49	29.3	0
7/15/20 15:30	8.32	307.4	18.48	26.41	29.3	0
7/15/20 15:45	9.57	305.8	16.29	26.45	29.3	0
7/15/20 16:00	10.07	305	15.68	26.3	29.29	0
7/15/20 16:15	9.92	314.3	12.95	26.23	29.29	0
7/15/20 16:30	9.03	305.6	10.12	26.29	29.29	0
7/15/20 16:45	9	311.8	12.92	26.25	29.29	0
7/15/20 17:00	9.02	305	12.1	26.21	29.27	0
7/15/20 17:15	8.69	306.9	8.8	26.07	29.27	0
7/15/20 17:30	7.737	313.6	10.74	25.93	29.27	0
7/15/20 17:45	7.171	313.5	12.19	25.87	29.27	0
7/15/20 18:00	6.731	329.3	16.26	25.85	29.25	0
7/15/20 18:15	6.248	319.2	11.54	25.49	29.25	0
7/15/20 18:30	6.821	334.7	11.03	25.39	29.25	0
7/15/20 18:45	7.248	323.8	6.553	25.04	29.25	0
7/15/20 19:00	6.414	325.2	7.294	24.74	29.25	0
7/15/20 19:15	5.112	333.3	9.79	24.4	29.25	0
7/15/20 19:30	4.537	343.6	9.8	23.91	29.25	0
7/15/20 19:45	5.746	339	4.895	23.21	29.25	0
7/15/20 20:00	5.659	352.2	11.95	22.68	29.24	0
7/15/20 20:15	7.44	4.898	6.575	22.55	29.24	0
7/15/20 20:30	7.443	7.695	7.288	22.16	29.24	0
7/15/20 20:45	5.743	16.77	7.292	21.37	29.24	0
7/15/20 21:00	8.11	10.44	9.69	21.34	29.26	0
7/15/20 21:15	9.17	15.41	10.75	21.47	29.26	0
7/15/20 21:30	9.48	26.35	11.61	20.91	29.26	0
7/15/20 21:45	11.29	32.95	7.793	20.11	29.26	0
7/15/20 22:00	14.94	22.7	6.02	19.73	29.25	0
7/15/20 22:15	11.48	20.09	8.61	19.33	29.25	0
7/15/20 22:30	7.744	5.6	16.81	19.31	29.25	0
7/15/20 22:45	4.418	356.3	15.55	19.1	29.25	0
7/15/20 23:00	4.585	355.7	25.48	18.72	29.23	0
7/15/20 23:15	11.67	20.41	8.72	18.31	29.23	0
7/15/20 23:30	10.14	18.73	9.85	18.28	29.23	0
7/15/20 23:45	12.2	12.1	7.776	18.74	29.23	0
7/16/20 0:00	10.36	17.01	13.62	18.93	29.25	0
7/16/20 0:15	8.75	33.39	15.59	18.53	29.25	0
7/16/20 0:30	10.03	28.86	8.09	17.91	29.25	0
7/16/20 0:45	10.02	22.09	8.11	17.95	29.25	0
7/16/20 1:00	10.88	22.12	7.139	18	29.23	0
7/16/20 1:15	9.96	31.02	7.653	17.98	29.23	0
7/16/20 1:30	6.362	46.73	13.24	17.63	29.23	0
7/16/20 1:45	5.525	51.87	11.58	18.06	29.23	0
7/16/20 2:00	2.569	49.47	15.12	18.38	29.23	0
7/16/20 2:15	1.089	37.61	11.04	17.93	29.23	0
7/16/20 2:30	1.583	197	36.69	17.14	29.23	0
7/16/20 2:45	2.427	199.5	14.24	16.74	29.23	0
7/16/20 3:00	2.265	324.5	81.4	16.57	29.23	0
7/16/20 3:15	1.889	54.23	27.69	15.48	29.23	0
7/16/20 3:30	2.016	63.29	36.69	15.16	29.23	0
7/16/20 3:45	3.625	175.3	19.78	15.74	29.23	0
7/16/20 4:00	2.015	121.9	36.16	15.26	29.22	0
7/16/20 4:15	3.578	87.9	7.86	14.6	29.22	0
7/16/20 4:30	3.838	109.1	11.16	14.77	29.22	0
7/16/20 4:45	3.344	136.9	3.915	15.19	29.22	0
7/16/20 5:00	3.821	130.2	5.939	15.41	29.23	0
7/16/20 5:15	4.248	152.6	5.668	15.27	29.23	0
7/16/20 5:30	3.793	165.8	4.759	15.54	29.23	0
7/16/20 5:45	4.179	164	6.988	15.61	29.23	0
7/16/20 6:00	3.756	171.8	10.53	15.78	29.23	0
7/16/20 6:15	5.192	178.3	7.238	15.83	29.23	0
7/16/20 6:30	6.189	176.2	9.76	15.73	29.23	0
7/16/20 6:45	6.427	182	9.34	15.8	29.23	0
7/16/20 7:00	5.841	182.6	13	16.23	29.23	0
7/16/20 7:15	5.512	181.7	13.47	16.63	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/16/20 7:30	5.158	156.7	18.69	17.16	29.23	0
7/16/20 7:45	5.684	177.8	13.43	17.67	29.23	0
7/16/20 8:00	4.861	175	24.99	17.95	29.23	0
7/16/20 8:15	5.168	193.3	14.25	18.13	29.23	0
7/16/20 8:30	3.893	202.4	29.33	18.7	29.23	0
7/16/20 8:45	3.103	234.4	41.4	18.91	29.23	0
7/16/20 9:00	4.775	211.5	23.94	19.43	29.24	0
7/16/20 9:15	4.029	254.3	63.33	20.17	29.24	0
7/16/20 9:30	5.464	245.8	20.88	19.64	29.24	0
7/16/20 9:45	6.318	216.4	21.16	20.17	29.24	0
7/16/20 10:00	4.785	224.3	24.81	20.31	29.22	0
7/16/20 10:15	6.577	219	27.58	20.66	29.22	0
7/16/20 10:30	5.974	201.7	29.73	20.9	29.22	0
7/16/20 10:45	6.193	198.6	22.15	20.87	29.22	0
7/16/20 11:00	6.422	223.8	24.77	21.05	29.21	0
7/16/20 11:15	6.699	219.6	23.36	21.59	29.21	0
7/16/20 11:30	7.262	199.5	27.07	21.97	29.21	0
7/16/20 11:45	6.434	212.2	24.74	22.07	29.21	0
7/16/20 12:00	6.417	231.6	17.17	22.38	29.22	0
7/16/20 12:15	6.334	212	16.04	22.02	29.22	0
7/16/20 12:30	5.304	196.9	46.22	22.51	29.22	0
7/16/20 12:45	6.53	232	28.27	22.77	29.22	0
7/16/20 13:00	6.279	247.3	21.41	22.85	29.2	0
7/16/20 13:15	8.01	252.6	12.7	22.8	29.2	0
7/16/20 13:30	6.773	275.4	18.45	23.13	29.2	0
7/16/20 13:45	8.48	225.2	20.84	23.57	29.2	0
7/16/20 14:00	8.93	209.4	20.58	23.4	29.21	0
7/16/20 14:15	8.22	266.1	21.61	23.49	29.21	0
7/16/20 14:30	9.7	250	18.15	23.35	29.21	0
7/16/20 14:45	9.96	242.7	16.88	23.17	29.21	0
7/16/20 15:00	7.644	222.7	16.4	22.94	29.21	0
7/16/20 15:15	8.8	224	22.34	23.29	29.21	0
7/16/20 15:30	9.39	242.2	19.88	23.13	29.21	0
7/16/20 15:45	10.41	218.5	11.94	22.69	29.21	0
7/16/20 16:00	10.56	230.6	11.12	22.54	29.21	0
7/16/20 16:15	8.44	229.5	12.38	22.5	29.21	0
7/16/20 16:30	8.41	229.4	16.13	23.03	29.21	0
7/16/20 16:45	8.47	238.3	14.28	23.07	29.21	0
7/16/20 17:00	7.338	254.9	12.42	23.02	29.18	0
7/16/20 17:15	6.748	271.1	12.52	22.99	29.18	0
7/16/20 17:30	6.903	284.6	13.28	23.04	29.18	0
7/16/20 17:45	6.324	277.8	8.79	22.53	29.18	0
7/16/20 18:00	5.809	286.5	10.33	22.41	29.19	0
7/16/20 18:15	4.969	305.6	13.65	22.55	29.19	0
7/16/20 18:30	4.933	320.3	9.97	22.4	29.19	0
7/16/20 18:45	4.452	319.8	7.256	22.05	29.19	0
7/16/20 19:00	3.203	296.5	13.02	21.86	29.18	0
7/16/20 19:15	2.902	295	26.52	21.77	29.18	0
7/16/20 19:30	1.983	48.2	52.7	21.32	29.18	0
7/16/20 19:45	3.654	248.1	25.77	21.4	29.18	0
7/16/20 20:00	6.415	238.6	11.01	21.18	29.17	0
7/16/20 20:15	6.976	254.3	9.13	20.88	29.17	0
7/16/20 20:30	4.779	314.1	58.07	20.42	29.17	0
7/16/20 20:45	3.164	15.39	29.12	19.72	29.17	0
7/16/20 21:00	1.499	28.02	39.92	19.76	29.19	0
7/16/20 21:15	2.877	195.5	73.67	19.84	29.19	0
7/16/20 21:30	4.293	242.5	13.54	19.76	29.19	0
7/16/20 21:45	6.485	221.9	7.442	19.44	29.19	0
7/16/20 22:00	6.44	231.4	8.41	19.14	29.19	0
7/16/20 22:15	5.669	223.9	6.075	18.98	29.19	0
7/16/20 22:30	4.872	229.8	11.05	18.82	29.19	0
7/16/20 22:45	6.471	252	9.39	18.56	29.19	0
7/16/20 23:00	5.351	236.1	10.55	18.41	29.18	0
7/16/20 23:15	2.678	248.6	14.22	18.33	29.18	0
7/16/20 23:30	3.413	290.4	12.96	18.15	29.18	0
7/16/20 23:45	4.332	274	7.747	18.01	29.18	0
7/17/20 0:00	4.345	262.2	4.26	17.85	29.21	0
7/17/20 0:15	4.523	263.6	5.407	17.71	29.21	0
7/17/20 0:30	4.831	266.7	8.38	17.59	29.21	0
7/17/20 0:45	6.231	240.8	5.129	17.43	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/17/20 1:00	6.609	246.4	5.814	17.14	29.19	0
7/17/20 1:15	4.404	266.5	17.12	16.56	29.19	0
7/17/20 1:30	4.31	272.8	11.4	16.39	29.19	0.01
7/17/20 1:45	3.975	297.4	8.36	16.22	29.19	0
7/17/20 2:00	2.13	308.8	13.32	16.18	29.2	0
7/17/20 2:15	1.584	322.3	18.52	16	29.2	0
7/17/20 2:30	4.028	320.3	14.29	15.74	29.2	0.01
7/17/20 2:45	3.514	291.9	13.09	15.61	29.2	0.01
7/17/20 3:00	3.568	314.2	5.826	15.56	29.21	0
7/17/20 3:15	4.413	316.2	4.078	15.44	29.21	0.01
7/17/20 3:30	5.065	311.3	7.355	15.41	29.21	0.01
7/17/20 3:45	4.529	293.2	11.56	15.39	29.21	0.02
7/17/20 4:00	5.168	278.7	7.076	15.34	29.22	0.01
7/17/20 4:15	6.801	290.4	5.707	15.21	29.22	0.01
7/17/20 4:30	6.196	281.3	11.97	15.1	29.22	0
7/17/20 4:45	4.011	278.3	10.33	15.03	29.22	0.01
7/17/20 5:00	3.584	293.7	9.29	15	29.2	0.01
7/17/20 5:15	4.008	293.8	9.16	14.93	29.2	0.02
7/17/20 5:30	4.987	300.7	11.54	14.89	29.2	0.02
7/17/20 5:45	4.818	306.7	5.708	14.85	29.2	0.01
7/17/20 6:00	5.193	296	11.66	14.83	29.25	0.02
7/17/20 6:15	6.132	282.4	7.92	14.85	29.25	0.02
7/17/20 6:30	5.864	280.3	8.02	14.81	29.25	0.02
7/17/20 6:45	5.984	257.3	17.63	14.8	29.25	0.01
7/17/20 7:00	4.018	246	74.51	14.54	29.24	0.02
7/17/20 7:15	4.104	36.7	23.55	13.86	29.24	0.02
7/17/20 7:30	5.513	27.66	12.07	13.67	29.24	0.03
7/17/20 7:45	2.874	15.76	52.08	13.82	29.24	0.02
7/17/20 8:00	4.319	233.3	17.42	14.42	29.27	0.01
7/17/20 8:15	2.308	117.7	64.46	14.23	29.27	0.01
7/17/20 8:30	3.599	229	70.25	14.11	29.27	0
7/17/20 8:45	6.009	241.3	14.31	14.33	29.27	0
7/17/20 9:00	7.586	238.4	7.889	14.24	29.26	0
7/17/20 9:15	7.264	244.4	9.47	14.23	29.26	0.01
7/17/20 9:30	8.18	254.3	10.13	14.23	29.26	0
7/17/20 9:45	7.85	253.2	8.28	14.11	29.26	0
7/17/20 10:00	7.803	254.3	8.18	14.05	29.3	0.01
7/17/20 10:15	7.599	246.2	7.528	14.17	29.3	0
7/17/20 10:30	6.806	251.2	7.616	14.21	29.3	0.01
7/17/20 10:45	5.617	251.1	10.52	14.29	29.3	0
7/17/20 11:00	5.166	237.9	17.22	14.32	29.3	0
7/17/20 11:15	5.587	234.4	11.04	14.4	29.3	0
7/17/20 11:30	6.681	242.4	6.634	14.2	29.3	0
7/17/20 11:45	4.377	251.1	15.94	14.21	29.3	0
7/17/20 12:00	5.707	248.5	8.97	14.34	29.32	0
7/17/20 12:15	5.082	252.7	8.98	14.45	29.32	0
7/17/20 12:30	3.289	259	17.09	14.98	29.32	0
7/17/20 12:45	1.666	282	41.05	15.28	29.32	0
7/17/20 13:00	2.161	49.89	30.11	15.88	29.32	0
7/17/20 13:15	2.677	33.46	16.95	15.5	29.32	0
7/17/20 13:30	3.713	32.08	10.38	15.56	29.32	0
7/17/20 13:45	3.431	34.49	9.97	15.85	29.32	0
7/17/20 14:00	3.145	36.21	14.64	16.34	29.33	0
7/17/20 14:15	2.99	24.52	25.17	16.4	29.33	0
7/17/20 14:30	4.271	31.81	11.98	16.63	29.33	0
7/17/20 14:45	4.722	27.72	10.14	16.56	29.33	0
7/17/20 15:00	4.515	30.92	8.82	16.64	29.31	0
7/17/20 15:15	3.839	27.69	8.51	16.85	29.31	0
7/17/20 15:30	3.657	38.94	15.52	16.9	29.31	0
7/17/20 15:45	3.186	51.37	18.97	17.23	29.31	0
7/17/20 16:00	3.251	39.42	11.7	17.3	29.3	0
7/17/20 16:15	3.142	29.3	9.42	17.32	29.3	0
7/17/20 16:30	4.843	25.36	8.73	17.25	29.3	0
7/17/20 16:45	5.345	24.5	10.17	17.17	29.3	0
7/17/20 17:00	5.393	27.91	8.34	17.08	29.32	0
7/17/20 17:15	5.577	28.9	8.74	17.15	29.32	0
7/17/20 17:30	5.582	23.14	8.8	17.18	29.32	0
7/17/20 17:45	5.697	23.58	7.604	17.29	29.32	0
7/17/20 18:00	4.898	35.56	9.82	17.82	29.32	0
7/17/20 18:15	6.103	35.48	7.604	18.25	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/17/20 18:30	5.402	37.74	10.96	18.17	29.32	0
7/17/20 18:45	5.777	35.29	8.53	18.11	29.32	0
7/17/20 19:00	5.721	26.03	9.58	18.01	29.33	0
7/17/20 19:15	4.975	1.899	13.46	18	29.33	0
7/17/20 19:30	3.949	346.8	8.05	18.04	29.33	0
7/17/20 19:45	4.275	339.3	5.604	17.67	29.33	0
7/17/20 20:00	5.257	348.5	15.94	17.08	29.32	0
7/17/20 20:15	4.742	2.494	7.661	16.82	29.32	0
7/17/20 20:30	3.308	2.769	8.45	16.58	29.32	0
7/17/20 20:45	2.44	6.375	2.416	16.19	29.32	0
7/17/20 21:00	1.143	336.9	3.928	15.97	29.33	0
7/17/20 21:15	1.071	357.1	7.398	15.69	29.33	0
7/17/20 21:30	2.324	17.58	13.01	15.59	29.33	0
7/17/20 21:45	2.494	24.42	5.324	14.98	29.33	0
7/17/20 22:00	2.88	22.07	7.514	14.7	29.36	0
7/17/20 22:15	3.813	16.04	8.39	14.52	29.36	0
7/17/20 22:30	4.294	20.9	8.31	14.18	29.36	0
7/17/20 22:45	4.582	17.44	6.571	14.03	29.36	0
7/17/20 23:00	6.026	23.34	12.74	13.92	29.36	0
7/17/20 23:15	7.662	22.33	6.025	13.87	29.36	0
7/17/20 23:30	6.576	8.05	12.21	14.25	29.36	0
7/17/20 23:45	5.282	10.24	8.81	13.93	29.36	0
7/18/20 0:00	6.445	10.5	6.126	13.82	29.37	0
7/18/20 0:15	5.795	17.71	7.688	13.75	29.37	0
7/18/20 0:30	5.121	30.02	11.24	13.72	29.37	0
7/18/20 0:45	5.206	21.03	7.644	13.5	29.37	0
7/18/20 1:00	8.15	23.97	6.34	13.32	29.36	0
7/18/20 1:15	6.223	42.03	13.6	12.86	29.36	0
7/18/20 1:30	7.957	24.53	8.34	13.31	29.36	0
7/18/20 1:45	11.18	14.93	10.15	14.06	29.36	0
7/18/20 2:00	8.02	20.16	10.82	13.64	29.38	0
7/18/20 2:15	6.527	31.9	8.95	12.98	29.38	0
7/18/20 2:30	7.817	29.66	6.886	13.02	29.38	0
7/18/20 2:45	4.519	36.14	9.63	12.82	29.38	0
7/18/20 3:00	4.873	46.84	13.81	12.97	29.38	0
7/18/20 3:15	3.366	44.42	7.8	12.92	29.38	0
7/18/20 3:30	2.557	56.26	11.91	12.83	29.38	0
7/18/20 3:45	4.437	56.27	10.67	12.53	29.38	0
7/18/20 4:00	4.068	33.79	10.09	12.93	29.36	0
7/18/20 4:15	4.923	22.87	7.79	12.91	29.36	0
7/18/20 4:30	3.415	17.8	10.45	12.88	29.36	0
7/18/20 4:45	2.005	64.3	14.68	12.42	29.36	0
7/18/20 5:00	2.953	54.4	9.82	12.23	29.39	0
7/18/20 5:15	1.492	17.84	23.14	12.42	29.39	0
7/18/20 5:30	0.994	75.18	55.3	12.91	29.39	0
7/18/20 5:45	0.825	107	33.5	14.01	29.39	0
7/18/20 6:00	1.119	38.06	28.18	14.64	29.39	0
7/18/20 6:15	0.895	26.52	17.23	15.19	29.39	0
7/18/20 6:30	2.003	37.38	43.34	15.21	29.39	0
7/18/20 6:45	1.671	98	26.82	15.15	29.39	0
7/18/20 7:00	2.175	8.58	20.54	15.96	29.38	0
7/18/20 7:15	2.656	9.46	19.97	16.01	29.38	0
7/18/20 7:30	3.045	1.106	19.52	16.36	29.38	0
7/18/20 7:45	3.139	338.2	19.74	16.74	29.38	0
7/18/20 8:00	2.415	328.5	41.32	17.13	29.4	0
7/18/20 8:15	2.63	341.6	20.52	17.49	29.4	0
7/18/20 8:30	5.194	17.99	13.25	17.39	29.4	0
7/18/20 8:45	4.382	337.4	35.21	17.88	29.4	0
7/18/20 9:00	4.894	318.3	25.23	18.4	29.41	0
7/18/20 9:15	5.1	358.2	30.78	18.73	29.41	0
7/18/20 9:30	6.012	8.6	16.56	19.14	29.41	0
7/18/20 9:45	7.083	342.7	24.11	19.5	29.41	0
7/18/20 10:00	8.05	317	22.83	19.71	29.4	0
7/18/20 10:15	7.185	328.7	18.93	20.4	29.4	0
7/18/20 10:30	10.66	304.6	8.91	20.41	29.4	0
7/18/20 10:45	10.73	304.5	10.73	20.77	29.4	0
7/18/20 11:00	10.26	300.5	9.06	21.2	29.4	0
7/18/20 11:15	10.1	300.3	11	21.44	29.4	0
7/18/20 11:30	9.63	309.3	9.74	21.36	29.4	0
7/18/20 11:45	6.987	337.1	27.02	21.7	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/18/20 12:00	7.844	328	32.89	21.99	29.4	0
7/18/20 12:15	10.08	311.3	11.61	22.55	29.4	0
7/18/20 12:30	11.36	310.6	11.99	22.87	29.4	0
7/18/20 12:45	12.11	310.9	14.46	22.77	29.4	0
7/18/20 13:00	9.14	325.1	22.85	23.06	29.38	0
7/18/20 13:15	8.25	327.4	26.52	23.33	29.38	0
7/18/20 13:30	8.54	320.1	26.56	23.58	29.38	0
7/18/20 13:45	8.73	308.3	19.7	23.78	29.38	0
7/18/20 14:00	9.78	294.8	13.09	24.19	29.38	0
7/18/20 14:15	10.05	294.3	13.47	24.17	29.38	0
7/18/20 14:30	9.71	297.8	15.58	24.31	29.38	0
7/18/20 14:45	9.54	291	18.55	24.29	29.38	0
7/18/20 15:00	7.205	295.1	15.67	24.66	29.37	0
7/18/20 15:15	6.498	282.3	16.55	24.31	29.37	0
7/18/20 15:30	6.987	289.7	15.97	24.57	29.37	0
7/18/20 15:45	7.178	308.2	23.95	24.95	29.37	0
7/18/20 16:00	6.936	337	24.6	25.13	29.35	0
7/18/20 16:15	6.718	333.3	24.63	25.02	29.35	0
7/18/20 16:30	8.39	327.3	18.39	24.83	29.35	0
7/18/20 16:45	10.62	301.3	13.71	24.81	29.35	0
7/18/20 17:00	8.95	310.7	11.91	24.64	29.33	0
7/18/20 17:15	9.66	308.8	10.83	24.65	29.33	0
7/18/20 17:30	10.77	313.5	11.02	24.21	29.33	0
7/18/20 17:45	9.97	324.6	14.91	23.86	29.33	0
7/18/20 18:00	10.57	328.5	9.94	23.64	29.33	0
7/18/20 18:15	10.32	322.1	10.8	23.2	29.33	0
7/18/20 18:30	10.04	311.6	9.01	23.14	29.33	0
7/18/20 18:45	8.49	307.9	9.65	23.03	29.33	0
7/18/20 19:00	9.73	313	10.8	22.58	29.32	0
7/18/20 19:15	8.4	311.2	7.442	22.17	29.32	0
7/18/20 19:30	7.408	320	11.52	21.73	29.32	0
7/18/20 19:45	6.825	333.9	7.248	21.17	29.32	0
7/18/20 20:00	7.907	330.6	7.358	20.65	29.32	0
7/18/20 20:15	7.488	333.9	6.088	20.29	29.32	0
7/18/20 20:30	3.787	7.491	25.54	19.8	29.32	0
7/18/20 20:45	3.443	34.22	9.21	19.57	29.32	0
7/18/20 21:00	5.203	22.66	13.56	19.34	29.32	0
7/18/20 21:15	6.425	7.422	6.878	19.32	29.32	0
7/18/20 21:30	3.469	359.5	13.83	19.07	29.32	0
7/18/20 21:45	3.728	10.05	16.69	19.1	29.32	0
7/18/20 22:00	6.014	30.4	11.34	18.09	29.3	0
7/18/20 22:15	5.297	10.84	6.056	17.97	29.3	0
7/18/20 22:30	5.092	3.544	16.87	18.38	29.3	0
7/18/20 22:45	5.387	8.67	18.79	18.09	29.3	0
7/18/20 23:00	4.742	19.07	8.45	17.08	29.31	0
7/18/20 23:15	4.632	22.82	7.001	17.17	29.31	0
7/18/20 23:30	4.417	39	6.437	17	29.31	0
7/18/20 23:45	4.319	48.19	6.753	16.28	29.31	0
7/19/20 0:00	3.928	53.45	17.05	16.16	29.3	0
7/19/20 0:15	1.301	91.7	14.93	16.45	29.3	0
7/19/20 0:30	1.515	81.5	22.56	17.33	29.3	0
7/19/20 0:45	2.013	74.07	13.03	17.56	29.3	0
7/19/20 1:00	0.992	38.4	5.106	17.37	29.32	0
7/19/20 1:15	1.83	13.55	6.869	16.78	29.32	0
7/19/20 1:30	1.156	324.2	68.89	16.18	29.32	0
7/19/20 1:45	0.875	21.25	0.18	16.31	29.32	0
7/19/20 2:00	0	0	0	16.37	29.31	0
7/19/20 2:15	0.502	347.3	0.417	16.22	29.31	0
7/19/20 2:30	1.089	345.2	4.935	16.07	29.31	0
7/19/20 2:45	1.484	315	16.62	15.77	29.31	0
7/19/20 3:00	1.58	345.9	23.54	15.61	29.31	0
7/19/20 3:15	2.121	350.5	26.32	15.32	29.31	0
7/19/20 3:30	4.337	302.8	4.385	15.56	29.31	0
7/19/20 3:45	5.657	301.9	3.244	15.57	29.31	0
7/19/20 4:00	4.172	298.3	3.046	15.4	29.28	0
7/19/20 4:15	1.976	319.4	12.13	14.88	29.28	0
7/19/20 4:30	0.24	335.6	0.327	14.61	29.28	0
7/19/20 4:45	1.568	4.956	19.6	14.76	29.28	0
7/19/20 5:00	2.859	20.73	1.712	14.8	29.29	0
7/19/20 5:15	3.397	15.6	3.46	14.67	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/19/20 5:30	3.597	7.243	4.043	15.27	29.29	0
7/19/20 5:45	1.914	13.62	5.625	15.59	29.29	0
7/19/20 6:00	1.1	16.47	3.491	16.43	29.32	0
7/19/20 6:15	0.719	33.33	9.48	17.04	29.32	0
7/19/20 6:30	0.586	39.02	4.059	17.28	29.32	0
7/19/20 6:45	0.624	38.28	23.59	17.85	29.32	0
7/19/20 7:00	2.127	44.83	10.47	17.59	29.31	0
7/19/20 7:15	2.219	32.67	11.32	17.49	29.31	0
7/19/20 7:30	1.251	33.14	13.04	18.52	29.31	0
7/19/20 7:45	2.213	8.77	25	19.01	29.31	0
7/19/20 8:00	3.22	13.5	14.77	19.09	29.3	0
7/19/20 8:15	1.876	61.87	16.61	19.8	29.3	0
7/19/20 8:30	1.911	322.9	58.8	20.26	29.3	0
7/19/20 8:45	2.722	293.8	26.38	20.54	29.3	0
7/19/20 9:00	4.451	356.7	15.22	20.66	29.31	0
7/19/20 9:15	5.843	11.89	13.01	20.81	29.31	0
7/19/20 9:30	5.026	18.93	15.63	21.35	29.31	0
7/19/20 9:45	5.407	22.4	16.04	21.6	29.31	0
7/19/20 10:00	3.715	30.08	17.52	22.34	29.28	0
7/19/20 10:15	2.602	12.1	57.87	22.92	29.28	0
7/19/20 10:30	2.903	335	46.52	23.7	29.28	0
7/19/20 10:45	3.787	307.8	60.14	23.69	29.28	0
7/19/20 11:00	7.343	263.1	19.02	23.86	29.29	0
7/19/20 11:15	7.389	244.3	17.66	23.78	29.29	0
7/19/20 11:30	6.562	272.6	19.8	24.16	29.29	0
7/19/20 11:45	9.13	290.3	8.93	24.96	29.29	0
7/19/20 12:00	9.59	307.4	16.3	25.28	29.29	0
7/19/20 12:15	5.729	348.8	21.63	25.43	29.29	0
7/19/20 12:30	9.18	306.2	10.74	25.79	29.29	0
7/19/20 12:45	10.14	305.3	13.36	26.09	29.29	0
7/19/20 13:00	10.92	314.6	12.21	26.17	29.25	0
7/19/20 13:15	11.07	305.4	12.16	26.26	29.25	0
7/19/20 13:30	9.34	310.5	13.62	26.3	29.25	0
7/19/20 13:45	7.382	329.5	29.01	26.64	29.25	0
7/19/20 14:00	10.17	307.2	11.01	26.75	29.25	0
7/19/20 14:15	8.69	314	18.84	26.7	29.25	0
7/19/20 14:30	8.89	316.5	17.96	27.07	29.25	0
7/19/20 14:45	7.859	326.3	25.12	27.21	29.25	0
7/19/20 15:00	8.91	309.1	10.81	27	29.25	0
7/19/20 15:15	7.815	303.3	24.51	27.07	29.25	0
7/19/20 15:30	8.13	305.8	12.81	27.03	29.25	0
7/19/20 15:45	8.82	327	19.66	27.07	29.25	0
7/19/20 16:00	9.09	336.5	23.12	27.1	29.23	0
7/19/20 16:15	9.27	336.6	15.16	26.78	29.23	0
7/19/20 16:30	8.93	340.7	20.41	26.65	29.23	0
7/19/20 16:45	9.06	332.3	16.18	26.7	29.23	0
7/19/20 17:00	7.916	331.7	20.95	26.74	29.21	0
7/19/20 17:15	9.87	319.4	19.56	26.46	29.21	0
7/19/20 17:30	10.56	317.1	15.79	26.08	29.21	0
7/19/20 17:45	9.38	320.2	14.75	26.03	29.21	0
7/19/20 18:00	8.99	339.2	12.2	25.71	29.21	0
7/19/20 18:15	8.7	316.6	10.56	25.51	29.21	0
7/19/20 18:30	7.936	321.1	11.29	25.18	29.21	0
7/19/20 18:45	7.539	312.1	13.68	24.85	29.21	0
7/19/20 19:00	7.952	323.4	13.92	24.49	29.21	0
7/19/20 19:15	8.21	330.2	11.45	24.15	29.21	0
7/19/20 19:30	7.271	339	11.28	23.78	29.21	0
7/19/20 19:45	6.682	346.5	13.06	23.34	29.21	0
7/19/20 20:00	6.667	341.7	15	23.02	29.22	0
7/19/20 20:15	6.802	2.928	9.19	22.54	29.22	0
7/19/20 20:30	6.705	2.411	12.34	22.32	29.22	0
7/19/20 20:45	8.02	6.595	15.18	22.06	29.22	0
7/19/20 21:00	8.03	355.6	12.69	22.29	29.23	0
7/19/20 21:15	6.059	341.5	10.62	21.78	29.23	0
7/19/20 21:30	4.797	1.41	12.37	21.3	29.23	0
7/19/20 21:45	4.808	0.315	10.6	21	29.23	0
7/19/20 22:00	5.163	3.99	9.64	20.45	29.23	0
7/19/20 22:15	1.707	10.61	14.19	19.56	29.23	0
7/19/20 22:30	2.031	317.1	20.38	19.55	29.23	0
7/19/20 22:45	4.374	349.2	13.91	19.38	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/19/20 23:00	6.336	345.4	15.93	18.93	29.22	0
7/19/20 23:15	8.94	351.1	11.64	19.74	29.22	0
7/19/20 23:30	7.815	334.7	15.95	19.83	29.22	0
7/19/20 23:45	4.562	325.3	14.23	19.43	29.22	0
7/20/20 0:00	3.698	23.3	18.93	19.1	29.25	0
7/20/20 0:15	7.742	17.91	13.53	19.19	29.25	0
7/20/20 0:30	6.741	7.806	10.31	18.55	29.25	0
7/20/20 0:45	7.116	12.45	10.74	18.18	29.25	0
7/20/20 1:00	7.03	17.48	6.836	17.44	29.25	0
7/20/20 1:15	5.07	19.93	8.27	16.92	29.25	0
7/20/20 1:30	3.862	25.03	5.108	16.64	29.25	0
7/20/20 1:45	3.338	25.31	5.113	16.34	29.25	0
7/20/20 2:00	2.082	55.36	12.27	16.95	29.25	0
7/20/20 2:15	2.932	94	14.8	16.41	29.25	0
7/20/20 2:30	4.456	134.6	14.24	16.78	29.25	0
7/20/20 2:45	4.11	172.5	6.62	17.16	29.25	0
7/20/20 3:00	2.865	174.8	32.77	16.64	29.22	0
7/20/20 3:15	0.65	285.1	41.89	16.06	29.22	0
7/20/20 3:30	0.734	259.4	39.63	16.45	29.22	0
7/20/20 3:45	2.607	22.93	18.77	16.26	29.22	0
7/20/20 4:00	1.808	47.08	4.802	16.8	29.25	0
7/20/20 4:15	0.42	51.08	0.982	17.14	29.25	0
7/20/20 4:30	1.646	33.08	13.9	17.14	29.25	0
7/20/20 4:45	2.24	4.489	9.87	16.89	29.25	0
7/20/20 5:00	3.293	357	9.99	16.17	29.23	0
7/20/20 5:15	2.498	4.976	10.75	15.46	29.23	0
7/20/20 5:30	3.391	5.072	10.6	15.75	29.23	0
7/20/20 5:45	3.708	3.402	2.207	16.6	29.23	0
7/20/20 6:00	3.594	3.628	5.719	16.65	29.25	0
7/20/20 6:15	2.825	14.3	10.96	16.73	29.25	0
7/20/20 6:30	1.658	51.09	35.05	17.22	29.25	0
7/20/20 6:45	2.047	110.9	14.28	17.97	29.25	0
7/20/20 7:00	1.95	117.3	17.48	18.89	29.22	0
7/20/20 7:15	1.247	90.6	16.12	19.9	29.22	0
7/20/20 7:30	1.805	109	30.55	20.38	29.22	0
7/20/20 7:45	1.021	122.7	47.84	21.2	29.22	0
7/20/20 8:00	1.491	22.96	51.25	21.38	29.25	0
7/20/20 8:15	2.816	3.033	20.85	21.26	29.25	0
7/20/20 8:30	2.91	29.86	25.23	21.58	29.25	0
7/20/20 8:45	2.263	349.2	24.9	21.82	29.25	0
7/20/20 9:00	2.75	295.8	24.21	22.25	29.22	0
7/20/20 9:15	2.76	307.8	35.04	22.77	29.22	0
7/20/20 9:30	3.052	13.27	50.12	23.39	29.22	0
7/20/20 9:45	3.855	23.04	23.74	23.4	29.22	0
7/20/20 10:00	2.756	291	59.56	23.72	29.22	0
7/20/20 10:15	4.774	318.8	39.42	24.13	29.22	0
7/20/20 10:30	5.492	12.95	23.32	24.07	29.22	0
7/20/20 10:45	2.522	314.5	51.1	24.74	29.22	0
7/20/20 11:00	4.619	267.2	28.88	24.93	29.21	0
7/20/20 11:15	5.574	268.1	20.11	25.28	29.21	0
7/20/20 11:30	3.67	277.2	32.08	25.37	29.21	0
7/20/20 11:45	3.684	10.01	79.02	26.09	29.21	0
7/20/20 12:00	2.66	308.9	55.2	26.88	29.21	0
7/20/20 12:15	3.682	305.4	29.28	26.86	29.21	0
7/20/20 12:30	6.519	291.4	31.13	26.99	29.21	0
7/20/20 12:45	6.478	280.2	22.16	27.23	29.21	0
7/20/20 13:00	8.1	260.7	17.19	27.31	29.18	0
7/20/20 13:15	8.12	273.9	21.43	27.64	29.18	0
7/20/20 13:30	7.501	273.7	11.82	27.68	29.18	0
7/20/20 13:45	6.381	270.3	13.46	27.75	29.18	0
7/20/20 14:00	7.642	257.3	16.47	28.18	29.19	0
7/20/20 14:15	6.151	265.9	17.46	28.11	29.19	0
7/20/20 14:30	5.612	258	17.45	28.28	29.19	0
7/20/20 14:45	4.913	278.1	17.38	28.65	29.19	0
7/20/20 15:00	7.196	251.5	20.28	28.93	29.16	0
7/20/20 15:15	7.848	254.7	18.44	28.99	29.16	0
7/20/20 15:30	6.059	271	22.33	28.94	29.16	0
7/20/20 15:45	6.32	286.9	12.88	28.91	29.16	0
7/20/20 16:00	6.661	280.9	11.73	28.83	29.17	0
7/20/20 16:15	6.52	284.2	11.05	28.93	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/20/20 16:30	6.37	277.2	16.14	28.98	29.17	0
7/20/20 16:45	6.087	278.9	15.55	28.81	29.17	0
7/20/20 17:00	6.887	279.3	10.4	28.67	29.14	0
7/20/20 17:15	7.237	272.7	11.73	28.77	29.14	0
7/20/20 17:30	7.374	271.8	10.1	28.6	29.14	0
7/20/20 17:45	6.542	286	9.79	28.57	29.14	0
7/20/20 18:00	6.114	283.1	12.99	28.52	29.12	0
7/20/20 18:15	6.253	292.6	12.14	28.22	29.12	0
7/20/20 18:30	6.916	286.4	6.899	27.9	29.12	0
7/20/20 18:45	7.79	284.2	6.101	27.52	29.12	0
7/20/20 19:00	9.44	283.4	5.22	27.01	29.12	0
7/20/20 19:15	8.83	284.3	4.48	26.52	29.12	0
7/20/20 19:30	8.05	289.3	6.743	26.07	29.12	0
7/20/20 19:45	6.326	308.4	11.32	25.59	29.12	0
7/20/20 20:00	4.934	353.1	21.08	25.44	29.13	0
7/20/20 20:15	3.397	343.1	24.3	25.17	29.13	0
7/20/20 20:30	1.211	337.7	12.24	25.03	29.13	0
7/20/20 20:45	1.84	326.5	20.05	24.84	29.13	0
7/20/20 21:00	2.241	358.2	23.91	24.13	29.13	0
7/20/20 21:15	2.161	2.47	10.12	23	29.13	0
7/20/20 21:30	2.9	11.75	11.04	22.27	29.13	0
7/20/20 21:45	5.346	27.19	5.417	21.56	29.13	0
7/20/20 22:00	6.732	20.38	5.345	20.99	29.13	0
7/20/20 22:15	7.49	16.51	4.955	20.73	29.13	0
7/20/20 22:30	7.445	15.63	7.17	21.02	29.13	0
7/20/20 22:45	6.242	17.57	6.66	20.84	29.13	0
7/20/20 23:00	5.402	18.43	8.06	20.73	29.13	0
7/20/20 23:15	5.164	14.49	7.093	20.7	29.13	0
7/20/20 23:30	4.309	21.61	6.315	20.37	29.13	0
7/20/20 23:45	3.47	25.52	8.66	20.35	29.13	0
7/21/20 0:00	3.506	25.23	7.649	20.09	29.13	0
7/21/20 0:15	4.094	30.85	7.74	19.89	29.13	0
7/21/20 0:30	4.725	35.53	6.944	19.49	29.13	0
7/21/20 0:45	3.561	48.82	14.32	19.49	29.13	0
7/21/20 1:00	2.713	53.57	13.72	19.96	29.12	0
7/21/20 1:15	2.622	66.42	9.96	20.53	29.12	0
7/21/20 1:30	2.278	102.4	24.7	20.22	29.12	0
7/21/20 1:45	3.225	166.7	7.486	19.67	29.12	0
7/21/20 2:00	3.618	148.8	7.656	19.63	29.11	0
7/21/20 2:15	2.75	126.2	11.78	19.61	29.11	0
7/21/20 2:30	0.557	116.2	2.825	19.82	29.11	0
7/21/20 2:45	2.345	176.3	31.37	19.29	29.11	0
7/21/20 3:00	3.966	158.2	11.84	19.01	29.13	0
7/21/20 3:15	3.256	149.9	7.531	18.87	29.13	0
7/21/20 3:30	3.985	144.7	5.028	18.14	29.13	0
7/21/20 3:45	6.756	135.3	7.442	18.17	29.13	0
7/21/20 4:00	5.734	127	6.437	18.21	29.13	0
7/21/20 4:15	5.506	131.4	4.796	18.04	29.13	0
7/21/20 4:30	5.713	148.1	9.66	17.97	29.13	0
7/21/20 4:45	4.814	187.3	13.26	17.92	29.13	0
7/21/20 5:00	5.219	180.7	5.546	17.8	29.12	0
7/21/20 5:15	5.568	171.3	4.227	17.51	29.12	0
7/21/20 5:30	4.262	165.7	3.594	17.63	29.12	0
7/21/20 5:45	3.94	170.7	5.189	17.73	29.12	0
7/21/20 6:00	3.374	179.5	9.47	17.59	29.13	0
7/21/20 6:15	3.915	158.7	6.22	17.7	29.13	0
7/21/20 6:30	4.485	151.8	8.89	18.1	29.13	0
7/21/20 6:45	4.165	154.7	14.55	18.51	29.13	0
7/21/20 7:00	3.868	170.7	20.91	18.63	29.14	0
7/21/20 7:15	5.072	181.5	9.11	18.62	29.14	0
7/21/20 7:30	3.822	180.9	13.42	18.95	29.14	0
7/21/20 7:45	3.056	202.2	17.77	19.36	29.14	0
7/21/20 8:00	3.866	193.5	18.65	19.72	29.12	0
7/21/20 8:15	3.858	203.5	24.79	20.37	29.12	0
7/21/20 8:30	2.272	247.8	19.65	20.69	29.12	0
7/21/20 8:45	3.23	219	30.8	21.13	29.12	0
7/21/20 9:00	3.255	227.9	27.29	21.47	29.11	0
7/21/20 9:15	4.133	205.1	19.05	21.68	29.11	0
7/21/20 9:30	4.898	232.9	26.49	22.27	29.11	0
7/21/20 9:45	4.538	248.5	24.22	22.33	29.11	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/21/20 10:00	5.77	236.2	32.42	22.53	29.12	0
7/21/20 10:15	5.752	240.6	12.54	22.76	29.12	0
7/21/20 10:30	5.645	242.4	18.78	22.83	29.12	0
7/21/20 10:45	5.899	238.6	19.26	23.17	29.12	0
7/21/20 11:00	7.008	253.5	17.41	23.05	29.09	0
7/21/20 11:15	5.112	249.7	19.27	23.33	29.09	0
7/21/20 11:30	5.75	275.9	25.9	23.86	29.09	0
7/21/20 11:45	6.148	253.4	21.71	24.2	29.09	0
7/21/20 12:00	5.521	236.8	35.91	24.33	29.08	0
7/21/20 12:15	6.154	249.2	21.61	24.38	29.08	0
7/21/20 12:30	8.31	251.8	15.92	24.69	29.08	0
7/21/20 12:45	9.43	266.2	12.69	24.85	29.08	0
7/21/20 13:00	10.14	271.6	12.12	24.62	29.1	0
7/21/20 13:15	9.3	263.8	13.91	24.65	29.1	0
7/21/20 13:30	7.704	256.3	16.26	24.98	29.1	0
7/21/20 13:45	6.92	231.7	19.16	25.22	29.1	0
7/21/20 14:00	7.706	241.6	19.87	25.23	29.08	0
7/21/20 14:15	7.254	224.5	21.94	25.5	29.08	0
7/21/20 14:30	8.19	218.9	14.05	25.43	29.08	0
7/21/20 14:45	7.644	230	18.63	25.27	29.08	0
7/21/20 15:00	7.842	238.9	23.58	25.29	29.08	0
7/21/20 15:15	7.599	232.7	18.74	25.49	29.08	0
7/21/20 15:30	7.363	226.1	22.04	25.49	29.08	0
7/21/20 15:45	7.928	238.4	12.23	25.57	29.08	0
7/21/20 16:00	7.261	207.6	14.91	25.45	29.05	0
7/21/20 16:15	7.035	224.4	19	25.65	29.05	0
7/21/20 16:30	6.603	239.9	21.36	25.56	29.05	0
7/21/20 16:45	5.79	275.3	31.2	25.53	29.05	0
7/21/20 17:00	7.524	267	14.82	25.55	29.05	0
7/21/20 17:15	7.49	237.5	12.26	25.31	29.05	0
7/21/20 17:30	6.839	240	11.94	25.14	29.05	0
7/21/20 17:45	6.581	230.6	13.28	25.26	29.05	0
7/21/20 18:00	4.907	249.4	17.55	25.18	29.04	0
7/21/20 18:15	4.785	225.5	22	24.95	29.04	0
7/21/20 18:30	3.27	203.5	13.82	24.74	29.04	0
7/21/20 18:45	2.932	198.4	23.08	24.68	29.04	0
7/21/20 19:00	2.519	153.1	22.57	24.27	29.03	0
7/21/20 19:15	2.483	156.8	11.3	23.83	29.03	0
7/21/20 19:30	2.896	187.8	12.65	24.03	29.03	0
7/21/20 19:45	2.855	186.7	24.01	23.65	29.03	0
7/21/20 20:00	6.016	254.9	5.767	22.7	29.02	0
7/21/20 20:15	7.348	251.4	6.046	22.14	29.02	0
7/21/20 20:30	6.96	253	6.354	21.77	29.02	0
7/21/20 20:45	4.948	260.3	6.466	21.49	29.02	0
7/21/20 21:00	3.361	259.2	11.13	21.18	29.03	0
7/21/20 21:15	5.248	230.8	8.7	20.94	29.03	0
7/21/20 21:30	6.687	231.7	5.715	20.2	29.03	0
7/21/20 21:45	5.298	226.2	7.961	19.95	29.03	0
7/21/20 22:00	6.461	236.9	7.258	19.44	29.03	0
7/21/20 22:15	4.256	272.4	14	19.19	29.03	0
7/21/20 22:30	2.404	279.2	21.47	19.18	29.03	0
7/21/20 22:45	2.015	242.3	23.48	19.05	29.03	0
7/21/20 23:00	2.583	209.3	13.71	19.03	29.03	0
7/21/20 23:15	3.852	223.4	6.395	18.72	29.03	0
7/21/20 23:30	5.243	197.2	10.84	18.61	29.03	0
7/21/20 23:45	7.15	195.8	11.46	18.32	29.03	0
7/22/20 0:00	7.59	210.8	6.898	18.1	29.05	0
7/22/20 0:15	3.993	219.5	10.17	17.95	29.05	0
7/22/20 0:30	4.526	244.5	7.687	17.61	29.05	0
7/22/20 0:45	5.151	239.8	7.133	17.4	29.05	0
7/22/20 1:00	5.011	245.7	9.82	17.26	29.04	0
7/22/20 1:15	4.185	272.2	11.19	17.05	29.04	0
7/22/20 1:30	4.167	270.5	7.523	16.95	29.04	0
7/22/20 1:45	5.14	289.1	7.459	16.81	29.04	0
7/22/20 2:00	5.028	278.1	7.139	16.62	29.06	0
7/22/20 2:15	4.057	262.9	12.6	16.49	29.06	0
7/22/20 2:30	3.958	267	6.038	16.24	29.06	0
7/22/20 2:45	2.429	245	16.87	16.07	29.06	0
7/22/20 3:00	3.218	221.7	7.247	15.93	29.07	0
7/22/20 3:15	3.275	213.9	11.23	15.83	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/22/20 3:30	2.993	187.7	14.33	15.8	29.07	0
7/22/20 3:45	3.221	169	10.72	15.75	29.07	0
7/22/20 4:00	3.537	152.8	9.63	15.67	29.06	0
7/22/20 4:15	3.616	211.5	71.55	15.7	29.06	0
7/22/20 4:30	1.997	285.3	13.14	15.61	29.06	0
7/22/20 4:45	2.346	260.3	10.25	15.61	29.06	0
7/22/20 5:00	5.588	249.9	6.096	15.35	29.06	0.01
7/22/20 5:15	5.653	243.4	8.2	15.2	29.06	0
7/22/20 5:30	5.096	224	10.8	15.21	29.06	0
7/22/20 5:45	6.324	189.9	13.01	15.11	29.06	0
7/22/20 6:00	6.956	183.9	8.66	15.01	29.06	0.01
7/22/20 6:15	6.038	188.6	8.43	14.96	29.06	0
7/22/20 6:30	6.126	177.5	10.32	14.88	29.06	0
7/22/20 6:45	5.109	172	7.643	14.79	29.06	0
7/22/20 7:00	6.187	172.5	7.2	14.72	29.08	0
7/22/20 7:15	5.783	167.7	6.663	14.73	29.08	0
7/22/20 7:30	6.253	160.5	8.97	14.73	29.08	0
7/22/20 7:45	5.192	143.7	10.59	14.88	29.08	0.01
7/22/20 8:00	6.378	144.7	12.27	14.85	29.07	0
7/22/20 8:15	7.782	162.6	9.1	14.83	29.07	0
7/22/20 8:30	6.228	172.3	8.79	15.04	29.07	0
7/22/20 8:45	5.992	163.9	12.23	15.14	29.07	0
7/22/20 9:00	6.533	139.9	7.013	15.23	29.08	0.01
7/22/20 9:15	5.501	146.5	15.49	15.39	29.08	0
7/22/20 9:30	5.492	155.2	10.13	15.56	29.08	0
7/22/20 9:45	6.067	158.9	14.21	15.87	29.08	0
7/22/20 10:00	5.426	145.1	13.43	16.15	29.08	0
7/22/20 10:15	6.005	146.6	8.97	16.14	29.08	0
7/22/20 10:30	6.379	170.5	10.45	16.27	29.08	0
7/22/20 10:45	5.77	175.7	13.62	16.46	29.08	0
7/22/20 11:00	5.293	169.1	13.95	16.41	29.07	0
7/22/20 11:15	5.743	185.2	14.36	16.54	29.07	0
7/22/20 11:30	6.077	184.6	21.84	16.65	29.07	0
7/22/20 11:45	6.583	208.5	8.56	16.79	29.07	0
7/22/20 12:00	5.302	189.6	11.82	16.88	29.1	0
7/22/20 12:15	4.99	230.9	15.81	17.11	29.1	0
7/22/20 12:30	6.299	252.7	14.09	16.9	29.1	0
7/22/20 12:45	6.523	257.1	6.937	16.58	29.1	0
7/22/20 13:00	6.723	258.1	5.98	16.68	29.09	0
7/22/20 13:15	4.785	251.6	13.94	17.08	29.09	0
7/22/20 13:30	4.58	229.3	19.44	17.48	29.09	0
7/22/20 13:45	4.641	209.7	22.79	17.54	29.09	0
7/22/20 14:00	4.533	244.3	10.89	17.39	29.1	0
7/22/20 14:15	3.245	248.2	25.16	17.49	29.1	0
7/22/20 14:30	3.365	226.5	20.23	17.71	29.1	0
7/22/20 14:45	2.073	235.6	25.89	18.08	29.1	0
7/22/20 15:00	1.266	272.4	38.18	18.68	29.08	0
7/22/20 15:15	1.503	257.9	70.19	19.56	29.08	0
7/22/20 15:30	2.41	111.2	80.6	20.01	29.08	0
7/22/20 15:45	3.995	86	8.75	19.18	29.08	0
7/22/20 16:00	2.901	83.7	37.36	19.35	29.07	0
7/22/20 16:15	1.616	134.3	23.43	19.19	29.07	0
7/22/20 16:30	2.599	205.3	26.46	19.62	29.07	0
7/22/20 16:45	2.487	195.1	20.62	19.82	29.07	0
7/22/20 17:00	2.885	208.7	18.12	20.11	29.06	0
7/22/20 17:15	2.264	211.3	50.96	21.1	29.06	0
7/22/20 17:30	4.377	259.8	26.38	20.57	29.06	0
7/22/20 17:45	2.631	221.2	25.8	21.13	29.06	0
7/22/20 18:00	5.674	284.5	23.77	20.38	29.04	0
7/22/20 18:15	5.423	273.1	16.7	20.07	29.04	0
7/22/20 18:30	4.753	295.8	9.47	19.84	29.04	0
7/22/20 18:45	4.941	299.2	8.04	19.77	29.04	0
7/22/20 19:00	5.07	276.7	20.92	19.75	29.05	0
7/22/20 19:15	4.305	240.3	10.21	19.49	29.05	0
7/22/20 19:30	3.741	215.7	15.58	19.58	29.05	0
7/22/20 19:45	3.831	230	18.01	19.29	29.05	0
7/22/20 20:00	5.757	285.7	8.9	18.41	29.05	0
7/22/20 20:15	5.461	286.4	4.876	18.13	29.05	0
7/22/20 20:30	5.078	288.1	4.813	17.76	29.05	0
7/22/20 20:45	4.595	279	5.072	17.53	29.05	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/22/20 21:00	4.489	268.3	5.799	17.59	29.07	0
7/22/20 21:15	4.655	249.2	7.654	17.65	29.07	0
7/22/20 21:30	4.864	235.8	6.992	17.44	29.07	0
7/22/20 21:45	4.525	227.7	7.646	17.19	29.07	0
7/22/20 22:00	5.578	225.4	7.348	17.06	29.09	0
7/22/20 22:15	7.196	235.1	5.805	16.73	29.09	0
7/22/20 22:30	6.182	235.2	9.39	16.34	29.09	0
7/22/20 22:45	3.651	216.3	13.83	16.1	29.09	0
7/22/20 23:00	3.864	217.2	20.89	15.79	29.1	0
7/22/20 23:15	3.532	231.1	10.09	15.93	29.1	0
7/22/20 23:30	3.9	210.2	9.49	15.84	29.1	0
7/22/20 23:45	5.996	207.6	7.838	15.76	29.1	0
7/23/20 0:00	5.401	237.9	14.79	15.49	29.1	0
7/23/20 0:15	4.189	251.7	10.84	15.12	29.1	0
7/23/20 0:30	3.842	254.7	7.241	14.93	29.1	0
7/23/20 0:45	3.74	249.6	4.847	14.89	29.1	0
7/23/20 1:00	2.949	254.9	11.69	14.8	29.1	0
7/23/20 1:15	2.667	238.2	9.91	14.82	29.1	0
7/23/20 1:30	5.088	209.7	9.54	14.72	29.1	0
7/23/20 1:45	5.972	199.4	11.05	14.63	29.1	0
7/23/20 2:00	6.273	196.5	8.5	14.57	29.12	0
7/23/20 2:15	5.932	209.5	6.086	14.46	29.12	0
7/23/20 2:30	5.81	193.5	12.7	14.39	29.12	0
7/23/20 2:45	6.567	193.2	9.92	14.29	29.12	0
7/23/20 3:00	6.636	201.8	9.01	14.14	29.11	0
7/23/20 3:15	5.112	196.9	13.32	13.99	29.11	0
7/23/20 3:30	5.533	180.9	7.256	13.76	29.11	0
7/23/20 3:45	6.132	198.7	10.43	13.62	29.11	0
7/23/20 4:00	6.113	189	9.08	13.49	29.13	0
7/23/20 4:15	5.92	184.7	14.59	13.39	29.13	0
7/23/20 4:30	4.918	165.3	5.016	13.19	29.13	0
7/23/20 4:45	5.173	171.2	8.99	13.14	29.13	0
7/23/20 5:00	4.477	171.2	11.12	13.18	29.15	0
7/23/20 5:15	4.807	167.6	9.42	13.05	29.15	0
7/23/20 5:30	5.116	176.6	10.04	12.93	29.15	0
7/23/20 5:45	4.815	170.5	7.289	12.93	29.15	0
7/23/20 6:00	5.39	172.3	10.62	12.97	29.15	0
7/23/20 6:15	6.571	176.7	9	12.96	29.15	0
7/23/20 6:30	4.902	197.1	24.31	13	29.15	0
7/23/20 6:45	2.878	219.8	10.82	13.03	29.15	0
7/23/20 7:00	4.741	219.5	13.48	13.24	29.17	0
7/23/20 7:15	7.856	187.2	9.81	13.36	29.17	0
7/23/20 7:30	7.958	168.4	11.08	13.43	29.17	0
7/23/20 7:45	6.105	167.8	9.67	13.56	29.17	0
7/23/20 8:00	6.098	151.7	16.08	13.97	29.18	0
7/23/20 8:15	7.217	163.5	11.14	14.21	29.18	0
7/23/20 8:30	6.412	169.2	16.3	14.47	29.18	0
7/23/20 8:45	5.337	147.8	19.75	15.03	29.18	0
7/23/20 9:00	5.405	168.7	24.41	14.94	29.21	0
7/23/20 9:15	5.381	186.9	13.81	14.98	29.21	0
7/23/20 9:30	3.962	202.8	30.65	15.04	29.21	0
7/23/20 9:45	5.349	181.1	24.77	15.1	29.21	0
7/23/20 10:00	4.805	145.9	24.69	15.23	29.21	0
7/23/20 10:15	4.059	148.6	29.66	15.53	29.21	0
7/23/20 10:30	3.892	176.1	17.1	15.45	29.21	0
7/23/20 10:45	3.91	197.6	24.51	15.62	29.21	0
7/23/20 11:00	4.668	228.1	13.28	15.65	29.23	0
7/23/20 11:15	4.34	179.5	31.76	15.92	29.23	0
7/23/20 11:30	3.444	167.7	18.59	16.06	29.23	0
7/23/20 11:45	4.222	164.2	13.09	16.21	29.23	0
7/23/20 12:00	2.635	182.5	26.87	16.21	29.23	0
7/23/20 12:15	5.091	207.1	21.99	16.15	29.23	0
7/23/20 12:30	4.266	221.4	19.75	16.11	29.23	0
7/23/20 12:45	4.932	208.4	12.68	16.06	29.23	0
7/23/20 13:00	6.416	210.5	8.74	16	29.22	0
7/23/20 13:15	5.238	226.9	10.97	16.05	29.22	0
7/23/20 13:30	4.668	238.3	19.61	16.29	29.22	0
7/23/20 13:45	3.946	203.3	21.24	16.44	29.22	0
7/23/20 14:00	4.377	217.2	19.89	16.47	29.21	0
7/23/20 14:15	3.028	215.7	28.55	16.52	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/23/20 14:30	2.977	233.4	33.76	16.7	29.21	0
7/23/20 14:45	3.032	265.3	30.78	16.7	29.21	0
7/23/20 15:00	2.622	258.7	29.55	16.79	29.22	0
7/23/20 15:15	3.715	249	26.73	16.64	29.22	0
7/23/20 15:30	2.936	231.9	18.98	16.85	29.22	0
7/23/20 15:45	2.777	262.1	43.39	17.61	29.22	0
7/23/20 16:00	2.125	339.4	22.88	17.62	29.19	0
7/23/20 16:15	2.19	177	21.79	17.42	29.19	0
7/23/20 16:30	2.566	224.4	35.37	17.4	29.19	0
7/23/20 16:45	1.361	269.1	47.9	17.56	29.19	0
7/23/20 17:00	1.767	246.5	31.72	17.6	29.21	0
7/23/20 17:15	2.275	213.4	37.58	17.61	29.21	0
7/23/20 17:30	4.004	258.5	19.34	17.63	29.21	0
7/23/20 17:45	6.397	225.2	9.2	17.47	29.21	0
7/23/20 18:00	5.978	236.6	16.51	17.3	29.2	0
7/23/20 18:15	5.709	229.9	8.69	17.08	29.2	0
7/23/20 18:30	5.875	214.7	8.34	16.94	29.2	0
7/23/20 18:45	5.013	210.1	10.6	16.8	29.2	0
7/23/20 19:00	4.226	176.9	8.24	16.63	29.19	0
7/23/20 19:15	3.483	184	8.39	16.63	29.19	0
7/23/20 19:30	2.469	188.7	9.98	16.58	29.19	0
7/23/20 19:45	2.714	185.6	22.23	16.51	29.19	0
7/23/20 20:00	2.394	196.7	8.93	16.54	29.18	0
7/23/20 20:15	1.257	13.88	43.36	16.1	29.18	0
7/23/20 20:30	1.388	32.16	5.422	15.84	29.18	0
7/23/20 20:45	2.183	83	20.11	15.91	29.18	0
7/23/20 21:00	2.315	137	17.87	15.93	29.18	0
7/23/20 21:15	1.405	113.4	18.55	15.84	29.18	0
7/23/20 21:30	0.596	76.81	9.41	15.73	29.18	0
7/23/20 21:45	2.894	63.26	7.052	15.43	29.18	0
7/23/20 22:00	2.371	43.01	15.69	15.58	29.19	0
7/23/20 22:15	1.948	359.3	21.2	15.5	29.19	0
7/23/20 22:30	4.902	295.5	21.32	15.29	29.19	0
7/23/20 22:45	7.842	237.1	9.1	14.91	29.19	0
7/23/20 23:00	6.794	230.9	7.497	14.83	29.2	0
7/23/20 23:15	7.394	223.5	10.61	14.79	29.2	0
7/23/20 23:30	7.17	213.6	6.88	14.74	29.2	0
7/23/20 23:45	7.181	221	7.277	14.67	29.2	0
7/24/20 0:00	8.69	213.8	6.133	14.51	29.2	0
7/24/20 0:15	6.853	213	12.28	14.38	29.2	0
7/24/20 0:30	7.01	190.8	10.46	14.26	29.2	0
7/24/20 0:45	6.709	186.7	8.52	14.09	29.2	0
7/24/20 1:00	7.283	179.8	7.074	13.89	29.2	0
7/24/20 1:15	6.495	176.4	6.523	13.7	29.2	0
7/24/20 1:30	6.957	187	10.68	13.64	29.2	0
7/24/20 1:45	6.521	204.6	6.382	13.54	29.2	0
7/24/20 2:00	6.939	193.4	8.47	13.44	29.22	0
7/24/20 2:15	5.681	183.4	7.79	13.32	29.22	0
7/24/20 2:30	6.661	169.8	9.14	13.08	29.22	0
7/24/20 2:45	6.286	173.6	5.578	12.9	29.22	0
7/24/20 3:00	5.056	173.8	5.438	12.83	29.22	0
7/24/20 3:15	6.928	151.5	13.14	12.68	29.22	0
7/24/20 3:30	7.564	172.4	9.59	12.62	29.22	0
7/24/20 3:45	5.676	182.8	8.17	12.63	29.22	0
7/24/20 4:00	5.181	173	6.958	12.59	29.23	0
7/24/20 4:15	3.995	127.2	21.01	12.36	29.23	0
7/24/20 4:30	3.603	96.8	15.17	12.3	29.23	0
7/24/20 4:45	4.183	78.74	8.71	12.23	29.23	0
7/24/20 5:00	5.145	83.3	6.905	12.28	29.24	0
7/24/20 5:15	4.467	97.6	11.31	12.39	29.24	0
7/24/20 5:30	4.744	98.9	8.78	12.51	29.24	0
7/24/20 5:45	5.219	114.4	10.17	12.65	29.24	0
7/24/20 6:00	3.995	113.1	8.66	12.7	29.24	0
7/24/20 6:15	4.06	125.6	9.72	12.61	29.24	0
7/24/20 6:30	4.241	123.3	7.876	12.76	29.24	0
7/24/20 6:45	4.324	132.2	9.01	12.84	29.24	0
7/24/20 7:00	5.5	140.8	9.01	13.1	29.25	0
7/24/20 7:15	6.286	133.6	10.95	13.08	29.25	0
7/24/20 7:30	6.217	125.6	17.17	13.2	29.25	0
7/24/20 7:45	5.658	111.2	9.48	13.44	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/24/20 8:00	5.214	118.6	18.52	13.56	29.25	0
7/24/20 8:15	5.465	135.1	15.52	13.82	29.25	0
7/24/20 8:30	7.147	148.4	17.62	13.91	29.25	0
7/24/20 8:45	6.765	161.5	13.04	13.84	29.25	0
7/24/20 9:00	6.588	165.1	10.45	13.83	29.26	0
7/24/20 9:15	6.769	174.7	14.5	14.22	29.26	0
7/24/20 9:30	7.059	163.2	11.28	14.16	29.26	0
7/24/20 9:45	5.317	149.8	15.56	14.67	29.26	0
7/24/20 10:00	5.656	124.8	15.91	15.26	29.25	0
7/24/20 10:15	5.261	176.5	28.59	15.02	29.25	0
7/24/20 10:30	3.676	131.3	22.14	15.11	29.25	0
7/24/20 10:45	2.816	160.3	47.24	15.73	29.25	0
7/24/20 11:00	3.57	171.3	39.63	16.66	29.26	0
7/24/20 11:15	5.254	178.9	29.38	16.84	29.26	0
7/24/20 11:30	5.638	194.8	27.47	16.81	29.26	0
7/24/20 11:45	5.576	214.7	22.13	16.96	29.26	0
7/24/20 12:00	4.846	213.1	35.42	17.53	29.25	0
7/24/20 12:15	3.08	183.8	50.78	17.77	29.25	0
7/24/20 12:30	4.86	214.9	25.62	17.49	29.25	0
7/24/20 12:45	2.796	208.6	46.81	17.64	29.25	0
7/24/20 13:00	2.209	247	48.95	17.79	29.25	0
7/24/20 13:15	4.469	240.8	35.26	17.68	29.25	0
7/24/20 13:30	3.236	207.4	45	17.78	29.25	0
7/24/20 13:45	2.664	137.8	26.36	17.94	29.25	0
7/24/20 14:00	3.933	85.1	12.16	17.89	29.26	0
7/24/20 14:15	2.609	70.19	24.6	18.13	29.26	0
7/24/20 14:30	2.813	66.25	30.55	18.12	29.26	0
7/24/20 14:45	3.005	62.9	15.72	18.06	29.26	0
7/24/20 15:00	3.594	43.02	15.84	18.17	29.27	0
7/24/20 15:15	3.756	54.04	23.96	18.26	29.27	0
7/24/20 15:30	3.106	37.52	22.49	18.36	29.27	0
7/24/20 15:45	3.091	6.948	8.96	18.23	29.27	0
7/24/20 16:00	4.274	350	9.56	18.28	29.27	0
7/24/20 16:15	5.644	337.5	10.82	18.39	29.27	0
7/24/20 16:30	4.626	343.8	10.5	18.41	29.27	0
7/24/20 16:45	4.359	341.6	16.42	18.41	29.27	0
7/24/20 17:00	4.793	326.8	8.23	18.31	29.27	0
7/24/20 17:15	8.17	322.6	8.87	18.11	29.27	0
7/24/20 17:30	7.03	335.9	17.39	18.27	29.27	0
7/24/20 17:45	8.94	357.7	11.71	18.23	29.27	0
7/24/20 18:00	9.08	353.7	13.43	17.88	29.26	0
7/24/20 18:15	10.08	354.5	12.7	17.79	29.26	0
7/24/20 18:30	9.39	0.05	13.19	17.48	29.26	0
7/24/20 18:45	10.38	1.255	13.01	17	29.26	0
7/24/20 19:00	8.8	357	14.04	16.75	29.25	0
7/24/20 19:15	7.156	7.525	17.28	16.43	29.25	0
7/24/20 19:30	7.147	2.187	12.35	15.99	29.25	0
7/24/20 19:45	6.655	1.592	13.12	15.66	29.25	0
7/24/20 20:00	7.67	3.362	11.75	15.43	29.25	0
7/24/20 20:15	8.69	3.798	12.58	15.51	29.25	0
7/24/20 20:30	8.99	359.9	14.71	15.54	29.25	0
7/24/20 20:45	10.41	0.404	12.63	15.33	29.25	0
7/24/20 21:00	9.74	351.1	13.4	15.22	29.27	0
7/24/20 21:15	9.17	359.7	13.82	14.96	29.27	0
7/24/20 21:30	8.3	358.2	15.33	14.84	29.27	0
7/24/20 21:45	11.34	6.988	15.33	14.78	29.27	0
7/24/20 22:00	10.81	13.84	11.84	14.7	29.3	0
7/24/20 22:15	10.62	13.75	13.77	14.55	29.3	0
7/24/20 22:30	10.43	14.14	14.6	14.39	29.3	0
7/24/20 22:45	10.46	2.408	13.78	14.18	29.3	0
7/24/20 23:00	9.19	1.331	15.27	14.05	29.29	0
7/24/20 23:15	10.35	8.3	17.11	13.95	29.29	0
7/24/20 23:30	7.924	11.43	19.31	13.82	29.29	0
7/24/20 23:45	5.391	11.47	22.27	13.55	29.29	0
7/25/20 0:00	5.17	347.5	25.43	13.57	29.3	0
7/25/20 0:15	5.323	5.559	27.02	13.63	29.3	0
7/25/20 0:30	2.283	34.1	41.36	13.53	29.3	0
7/25/20 0:45	1.845	45.37	42.8	13.43	29.3	0
7/25/20 1:00	3.542	51.03	29.81	13.45	29.31	0
7/25/20 1:15	4.316	39.08	18.23	13.19	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/25/20 1:30	6.323	13.86	15.33	13.08	29.31	0
7/25/20 1:45	7.489	8.14	15.35	13.41	29.31	0
7/25/20 2:00	6.503	16.01	13.43	13.27	29.3	0
7/25/20 2:15	5.774	349.6	19.32	13.38	29.3	0
7/25/20 2:30	6.311	343.2	13.86	13.43	29.3	0
7/25/20 2:45	9.03	352.9	13.48	13.76	29.3	0
7/25/20 3:00	9.53	26.46	19.78	13.9	29.31	0
7/25/20 3:15	6.422	9.95	24.28	13.75	29.31	0
7/25/20 3:30	7.5	22.67	9.55	13.05	29.31	0
7/25/20 3:45	8.59	29.16	11.06	13.05	29.31	0
7/25/20 4:00	6.966	20.92	13.03	12.93	29.31	0
7/25/20 4:15	5.102	9.18	12.05	12.43	29.31	0
7/25/20 4:30	3.836	21.1	11.45	11.92	29.31	0
7/25/20 4:45	2.266	41.58	26.76	12.32	29.31	0
7/25/20 5:00	1.75	26.82	16.11	12.75	29.33	0
7/25/20 5:15	2.424	35.85	12.71	12.32	29.33	0
7/25/20 5:30	2.821	50.79	13.43	12.54	29.33	0
7/25/20 5:45	3.21	28.08	12.56	13.05	29.33	0
7/25/20 6:00	3.395	28.04	10.39	13.21	29.35	0
7/25/20 6:15	4.987	30.93	11.26	13.06	29.35	0
7/25/20 6:30	5.7	21.98	7.51	13.06	29.35	0
7/25/20 6:45	6.055	14.13	7.151	13.32	29.35	0
7/25/20 7:00	6.575	17.79	7.593	13.63	29.36	0
7/25/20 7:15	6.347	13.41	8.6	14.29	29.36	0
7/25/20 7:30	6.063	351.4	13.43	14.69	29.36	0
7/25/20 7:45	5.342	14.22	22.6	15.67	29.36	0
7/25/20 8:00	7.3	13.6	16.71	15.76	29.36	0
7/25/20 8:15	8.62	10.91	13.35	15.94	29.36	0
7/25/20 8:30	9.12	10.7	10.17	16.25	29.36	0
7/25/20 8:45	6.469	343.1	29.99	16.92	29.36	0
7/25/20 9:00	6.768	311.1	21.68	17.47	29.34	0
7/25/20 9:15	8.71	292.6	9.65	17.62	29.34	0
7/25/20 9:30	9.63	306.3	13.48	17.78	29.34	0
7/25/20 9:45	8.24	310.5	15.72	17.95	29.34	0
7/25/20 10:00	6.52	337.3	16.93	18.25	29.34	0
7/25/20 10:15	6.524	310.8	23.39	18.89	29.34	0
7/25/20 10:30	8.57	297.6	10.53	19.34	29.34	0
7/25/20 10:45	9.45	302.2	12.77	19.66	29.34	0
7/25/20 11:00	9.63	326.9	24.68	19.72	29.34	0
7/25/20 11:15	10.52	323.5	10.83	19.86	29.34	0
7/25/20 11:30	8.42	314.1	22.12	20.25	29.34	0
7/25/20 11:45	8.95	319.5	19.57	20.62	29.34	0
7/25/20 12:00	10.63	303.4	9.44	20.8	29.33	0
7/25/20 12:15	8.93	309.1	20.4	20.74	29.33	0
7/25/20 12:30	10.34	301.4	21.06	21.66	29.33	0
7/25/20 12:45	9.95	308.7	10.82	21.41	29.33	0
7/25/20 13:00	8.43	298.6	17.09	21.96	29.32	0
7/25/20 13:15	9.05	299	19.23	22.14	29.32	0
7/25/20 13:30	6.209	348.2	27.16	22.37	29.32	0
7/25/20 13:45	6.543	2.444	28.89	22.71	29.32	0
7/25/20 14:00	7.051	324.9	18.58	22.6	29.33	0
7/25/20 14:15	7.736	324	27.04	22.74	29.33	0
7/25/20 14:30	6.726	316.9	27.67	23.05	29.33	0
7/25/20 14:45	7.006	315.3	20.64	23.07	29.33	0
7/25/20 15:00	7.706	292.1	16.08	23.16	29.33	0
7/25/20 15:15	7.756	304.2	12.11	23.17	29.33	0
7/25/20 15:30	5.741	322.8	32.22	23.35	29.33	0
7/25/20 15:45	5.62	299.6	29.77	23.35	29.33	0
7/25/20 16:00	7.134	310.5	26.54	23.22	29.31	0
7/25/20 16:15	6.019	317.4	26.23	23.43	29.31	0
7/25/20 16:30	6.579	355	27.04	23.38	29.31	0
7/25/20 16:45	7.375	2.159	14.78	23.33	29.31	0
7/25/20 17:00	7.494	339.7	24.92	23.35	29.31	0
7/25/20 17:15	7.363	352.1	12.86	23.25	29.31	0
7/25/20 17:30	7.048	321.2	19.38	23.37	29.31	0
7/25/20 17:45	7.252	316.4	17.73	23.33	29.31	0
7/25/20 18:00	8.83	299.8	8.35	23.04	29.3	0
7/25/20 18:15	9.14	299.9	7.371	22.74	29.3	0
7/25/20 18:30	8.11	299.6	8.35	22.55	29.3	0
7/25/20 18:45	9.31	295.9	6.328	22.18	29.3	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/25/20 19:00	8.31	298.5	8.53	21.76	29.28	0
7/25/20 19:15	7.53	303.5	10.44	21.36	29.28	0
7/25/20 19:30	7.521	318.8	8.73	20.75	29.28	0
7/25/20 19:45	8.45	328.4	9.67	20.32	29.28	0
7/25/20 20:00	9.19	333.6	6.565	19.93	29.3	0
7/25/20 20:15	9.19	333.7	8.48	19.69	29.3	0
7/25/20 20:30	7.784	351.6	23.07	19.68	29.3	0
7/25/20 20:45	6.3	19.3	12.16	19.02	29.3	0
7/25/20 21:00	7.423	19.62	13.84	18.79	29.3	0
7/25/20 21:15	5.868	8.79	14.52	18.73	29.3	0
7/25/20 21:30	7.726	6.905	13.4	18.67	29.3	0
7/25/20 21:45	8.72	7.821	9.39	18.1	29.3	0
7/25/20 22:00	8.6	8.88	9.65	17.87	29.31	0
7/25/20 22:15	10.33	7.827	8.85	17.68	29.31	0
7/25/20 22:30	11.96	6.155	6.435	17.54	29.31	0
7/25/20 22:45	12.3	6.477	7.461	17.47	29.31	0
7/25/20 23:00	12.92	7.114	8.5	17.17	29.3	0
7/25/20 23:15	13.66	6.153	8.42	17.07	29.3	0
7/25/20 23:30	12.17	5.477	9.75	16.94	29.3	0
7/25/20 23:45	9.84	11.11	8.56	16.37	29.3	0
7/26/20 0:00	8.66	7.077	9.55	16.05	29.31	0
7/26/20 0:15	7.362	3.7	7.824	15.71	29.31	0
7/26/20 0:30	6.673	2.745	9.06	15.43	29.31	0
7/26/20 0:45	8.15	18.23	6.034	14.9	29.31	0
7/26/20 1:00	7.964	18.01	6.751	14.72	29.31	0
7/26/20 1:15	8.32	14.12	7.492	14.67	29.31	0
7/26/20 1:30	6.652	13.27	7.849	14.4	29.31	0
7/26/20 1:45	7.33	17	9.06	14.34	29.31	0
7/26/20 2:00	10.64	17.47	8.44	14.56	29.31	0
7/26/20 2:15	8.68	15.1	7.85	14.06	29.31	0
7/26/20 2:30	8.26	24.19	7.124	13.7	29.31	0
7/26/20 2:45	8.16	15.09	7.629	13.55	29.31	0
7/26/20 3:00	7.725	18.84	8.03	13.42	29.31	0
7/26/20 3:15	6.975	17.72	9.6	13.15	29.31	0
7/26/20 3:30	6.548	17.63	7.629	12.86	29.31	0
7/26/20 3:45	8.15	21.08	6.475	12.73	29.31	0
7/26/20 4:00	8.24	22.41	8.05	12.95	29.31	0
7/26/20 4:15	7.199	19.69	7.246	12.67	29.31	0
7/26/20 4:30	6.033	21.18	8.77	12.53	29.31	0
7/26/20 4:45	6.158	20.43	5.939	12.35	29.31	0
7/26/20 5:00	5.371	20.38	7.174	12.15	29.31	0
7/26/20 5:15	6.602	16.36	8.69	12.28	29.31	0
7/26/20 5:30	5.398	19.27	7.95	11.95	29.31	0
7/26/20 5:45	6.121	12.15	9.96	12.96	29.31	0
7/26/20 6:00	6.321	18.97	12.28	12.93	29.29	0
7/26/20 6:15	7.048	26.46	11.37	12.92	29.29	0
7/26/20 6:30	10.03	25.64	9.03	13.06	29.29	0
7/26/20 6:45	7.319	37.27	12.35	13.52	29.29	0
7/26/20 7:00	6.086	29.19	9.86	14.71	29.3	0
7/26/20 7:15	6.056	25.36	10.69	15.04	29.3	0
7/26/20 7:30	4.681	35.2	14.25	15.54	29.3	0
7/26/20 7:45	1.878	358.9	20.51	16.56	29.3	0
7/26/20 8:00	2.348	45.32	26.12	17.79	29.3	0
7/26/20 8:15	2.818	113.6	44.27	18.52	29.3	0
7/26/20 8:30	3.173	171.5	20.53	18.85	29.3	0
7/26/20 8:45	4.143	178.2	24.94	19.43	29.3	0
7/26/20 9:00	3.484	189.8	25.82	20.26	29.28	0
7/26/20 9:15	2.558	72.3	51.82	21.57	29.28	0
7/26/20 9:30	8.35	23.15	15.81	21.7	29.28	0
7/26/20 9:45	10.27	22.56	11.45	21.71	29.28	0
7/26/20 10:00	9.2	15.21	13.15	21.87	29.27	0
7/26/20 10:15	8.6	11.12	11.33	22.32	29.27	0
7/26/20 10:30	8.07	19.02	16.09	23.09	29.27	0
7/26/20 10:45	8.62	14.37	12.29	23.5	29.27	0
7/26/20 11:00	7.982	19.67	14.76	23.92	29.28	0
7/26/20 11:15	5.956	12.25	20.77	24.83	29.28	0
7/26/20 11:30	8.39	24.88	16.67	25.25	29.28	0
7/26/20 11:45	9.36	21.44	10.61	25.5	29.28	0
7/26/20 12:00	8.01	24.8	15.76	26.23	29.26	0
7/26/20 12:15	7.445	18.53	14.42	26.69	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/26/20 12:30	7.375	24.68	16.48	27.32	29.26	0
7/26/20 12:45	6.976	1.467	32.29	27.83	29.26	0
7/26/20 13:00	9.55	19.32	12.34	27.71	29.24	0
7/26/20 13:15	8.76	2.117	22.14	28.36	29.24	0
7/26/20 13:30	8.47	350.2	27.4	28.65	29.24	0
7/26/20 13:45	10.26	3.595	16.5	28.77	29.24	0
7/26/20 14:00	9.91	359.8	14.52	29.14	29.2	0
7/26/20 14:15	10.56	351.6	15.99	29.14	29.2	0
7/26/20 14:30	9.77	344.5	17.24	29.76	29.2	0
7/26/20 14:45	9.93	347.6	14.39	29.82	29.2	0
7/26/20 15:00	11.02	350.4	15	29.74	29.2	0
7/26/20 15:15	11.72	358.8	13.5	29.93	29.2	0
7/26/20 15:30	11.61	355.5	13.77	30.05	29.2	0
7/26/20 15:45	12.33	1.429	12.12	29.87	29.2	0
7/26/20 16:00	12.09	0.063	13.04	29.93	29.19	0
7/26/20 16:15	12.15	0.187	12.38	29.92	29.19	0
7/26/20 16:30	11.45	357.4	13.63	29.89	29.19	0
7/26/20 16:45	9.8	359.6	13	29.94	29.19	0
7/26/20 17:00	8.96	358.5	15.28	29.82	29.16	0
7/26/20 17:15	9.83	359.1	14.97	29.68	29.16	0
7/26/20 17:30	9.14	352.9	18.3	29.63	29.16	0
7/26/20 17:45	8.77	1.088	16.04	29.42	29.16	0
7/26/20 18:00	9.42	356.6	13.19	29.26	29.15	0
7/26/20 18:15	7.357	356.9	19.07	29.2	29.15	0
7/26/20 18:30	8.26	0.697	14.45	28.91	29.15	0
7/26/20 18:45	9.2	355.4	17.06	28.78	29.15	0
7/26/20 19:00	6.309	20.46	27.69	28.22	29.13	0
7/26/20 19:15	5.374	28.25	11.25	27.52	29.13	0
7/26/20 19:30	6.522	22.86	9.71	26.92	29.13	0
7/26/20 19:45	7.069	18.9	10.55	25.8	29.13	0
7/26/20 20:00	10.33	9.56	5.73	25.45	29.15	0
7/26/20 20:15	10.88	12.19	6.552	25.2	29.15	0
7/26/20 20:30	10.89	13.49	7.899	25.05	29.15	0
7/26/20 20:45	8.6	19.7	12.12	24.83	29.15	0
7/26/20 21:00	9.6	23.66	9.43	24.36	29.13	0
7/26/20 21:15	9.27	23.6	11.41	23.87	29.13	0
7/26/20 21:30	9.04	24.23	9.25	23.49	29.13	0
7/26/20 21:45	9.77	15.73	8.36	22.8	29.13	0
7/26/20 22:00	10.67	20.04	8.67	22.44	29.13	0
7/26/20 22:15	9.81	21.75	8.43	22.03	29.13	0
7/26/20 22:30	9.09	17.92	8.67	21.7	29.13	0
7/26/20 22:45	6.636	19.66	8.05	21	29.13	0
7/26/20 23:00	6.548	18.85	6.769	20.7	29.15	0
7/26/20 23:15	5.352	29.27	4.925	20.35	29.15	0
7/26/20 23:30	4.269	23.31	5.741	20.19	29.15	0
7/26/20 23:45	5.036	22.62	4.573	20	29.15	0
7/27/20 0:00	3.932	23.19	4.808	19.92	29.13	0
7/27/20 0:15	3.403	15	10.8	19.64	29.13	0
7/27/20 0:30	5.95	13.01	8.33	19.43	29.13	0
7/27/20 0:45	4.925	2.706	9.1	19.01	29.13	0
7/27/20 1:00	4.857	3.784	8.56	19.06	29.15	0
7/27/20 1:15	4.787	7.787	5.755	18.71	29.15	0
7/27/20 1:30	4.412	17.68	6.581	18.3	29.15	0
7/27/20 1:45	4.494	23.74	7.092	18.29	29.15	0
7/27/20 2:00	5.076	27.58	7.302	18.59	29.12	0
7/27/20 2:15	4.955	31.02	9.09	18.28	29.12	0
7/27/20 2:30	3.035	50.98	24.67	18.48	29.12	0
7/27/20 2:45	2.776	46.7	9.87	18.72	29.12	0
7/27/20 3:00	2.652	44.59	9.9	18.57	29.11	0
7/27/20 3:15	1.8	35.1	11.34	18.6	29.11	0
7/27/20 3:30	1.728	17.23	2.527	19.08	29.11	0
7/27/20 3:45	2.183	356	17.26	19.99	29.11	0
7/27/20 4:00	1.762	197.9	28.83	18.77	29.11	0
7/27/20 4:15	3.475	166.7	11.37	19.29	29.11	0
7/27/20 4:30	0.927	143.4	0.953	18.29	29.11	0
7/27/20 4:45	0.528	42.44	15.86	18.27	29.11	0
7/27/20 5:00	1.881	124.7	35.6	19.41	29.12	0
7/27/20 5:15	2.66	140.2	7.919	19.8	29.12	0
7/27/20 5:30	2.938	155.7	7.939	19.09	29.12	0
7/27/20 5:45	1.471	129.1	25.35	19.85	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/27/20 6:00	0.202	116.9	0.369	20.59	29.15	0
7/27/20 6:15	0.023	75.53	0.244	21.37	29.15	0
7/27/20 6:30	0.965	67.78	8.96	21.95	29.15	0
7/27/20 6:45	1.58	57.15	8.66	22.21	29.15	0
7/27/20 7:00	1.776	47.22	16.87	22.3	29.15	0
7/27/20 7:15	2.072	25.35	8.25	21.79	29.15	0
7/27/20 7:30	1.936	4.874	10.73	22.35	29.15	0
7/27/20 7:45	2.601	31.17	18.13	22.16	29.15	0
7/27/20 8:00	3.27	30.97	9.74	21.94	29.14	0
7/27/20 8:15	2.665	29.16	10.62	22.83	29.14	0
7/27/20 8:30	2.888	30.14	16.78	24.07	29.14	0
7/27/20 8:45	2.657	32.49	25.01	24.59	29.14	0
7/27/20 9:00	2.587	46.45	20.66	25.25	29.13	0
7/27/20 9:15	1.687	31.02	50.43	26.3	29.13	0
7/27/20 9:30	1.673	156.5	78.08	26.76	29.13	0
7/27/20 9:45	2.283	51.32	38.86	27.3	29.13	0
7/27/20 10:00	1.696	35.54	32.76	27.44	29.12	0
7/27/20 10:15	2.814	326.1	33.48	27.92	29.12	0
7/27/20 10:30	3.237	326.2	62.53	27.81	29.12	0
7/27/20 10:45	3.915	298	31.64	28.44	29.12	0
7/27/20 11:00	5.942	262	11.33	28.83	29.1	0
7/27/20 11:15	5.194	272.5	26.07	29.19	29.1	0
7/27/20 11:30	4.583	267.6	19.6	29.22	29.1	0
7/27/20 11:45	5.654	263.5	19.51	29.58	29.1	0
7/27/20 12:00	5.393	253.5	17.92	29.59	29.1	0
7/27/20 12:15	4.85	260.4	20.9	29.63	29.1	0
7/27/20 12:30	5.319	261.8	21.41	30.36	29.1	0
7/27/20 12:45	4.982	263.4	20.13	30.48	29.1	0
7/27/20 13:00	4.924	266.9	29.34	30.84	29.09	0
7/27/20 13:15	5.553	255.4	19.66	31.12	29.09	0
7/27/20 13:30	5.991	257.9	17.41	31.42	29.09	0
7/27/20 13:45	6.614	260.5	25.05	31.72	29.09	0
7/27/20 14:00	7.363	244.7	17.66	31.73	29.06	0
7/27/20 14:15	7.137	256.1	21.53	31.75	29.06	0
7/27/20 14:30	6.927	250.5	18.36	31.95	29.06	0
7/27/20 14:45	7.218	275.6	30.52	32.3	29.06	0
7/27/20 15:00	5.697	302	14.7	32.41	29.06	0
7/27/20 15:15	4.714	283	27.24	32.69	29.06	0
7/27/20 15:30	4.47	288.7	42.03	32.64	29.06	0
7/27/20 15:45	3.567	306.5	14.69	32.91	29.06	0
7/27/20 16:00	3.535	288.9	25.54	33.32	29.05	0
7/27/20 16:15	4.482	267.1	17.56	33.08	29.05	0
7/27/20 16:30	4.862	237.9	20.68	33.02	29.05	0
7/27/20 16:45	3.815	297.5	27.24	33.17	29.05	0
7/27/20 17:00	3.554	308	12.75	33.18	29.02	0
7/27/20 17:15	2.617	297.8	27.13	33.25	29.02	0
7/27/20 17:30	2.054	308.1	25.5	33.45	29.02	0
7/27/20 17:45	2.778	359.8	17.98	32.75	29.02	0
7/27/20 18:00	2.478	317.5	17.72	33.01	29.01	0
7/27/20 18:15	4.178	317.7	6.793	32.58	29.01	0
7/27/20 18:30	4.684	313.1	6.774	31.95	29.01	0
7/27/20 18:45	5.785	288.3	5.116	31.39	29.01	0
7/27/20 19:00	5.479	294.7	5.239	30.66	29.02	0
7/27/20 19:15	4.043	317.2	8.92	29.9	29.02	0
7/27/20 19:30	3.629	328.8	18.13	29.52	29.02	0
7/27/20 19:45	4.357	334.3	14.18	28.71	29.02	0
7/27/20 20:00	4.134	311	6.222	28.16	29.02	0
7/27/20 20:15	3.827	349.1	16.88	27.8	29.02	0
7/27/20 20:30	5.164	14.9	7.019	26.67	29.02	0
7/27/20 20:45	5.33	17.11	6.086	25.77	29.02	0
7/27/20 21:00	5.574	17.23	7.368	25.24	29.04	0
7/27/20 21:15	5.053	35.22	7.974	24.49	29.04	0
7/27/20 21:30	5.57	41.22	8.64	24.61	29.04	0
7/27/20 21:45	5.733	40.02	7.138	24.58	29.04	0
7/27/20 22:00	5.351	53.46	10.84	23.98	29.05	0
7/27/20 22:15	4.667	87.5	9.43	23	29.05	0
7/27/20 22:30	4.331	88.8	7.934	22.48	29.05	0
7/27/20 22:45	5.059	109.9	13.05	23.07	29.05	0
7/27/20 23:00	4.624	123.5	10.87	23.13	29.07	0
7/27/20 23:15	4.982	138.8	4.444	22.92	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/27/20 23:30	4.789	162.1	14.71	22.62	29.07	0
7/27/20 23:45	4.427	147.6	11.29	22.28	29.07	0
7/28/20 0:00	5.277	175.4	12.33	21.5	29.06	0
7/28/20 0:15	6.009	176.1	6.902	21.37	29.06	0
7/28/20 0:30	5.454	186	6.478	20.91	29.06	0
7/28/20 0:45	4.586	207.4	4.516	20.74	29.06	0
7/28/20 1:00	4.345	249.4	18.35	20.77	29.07	0
7/28/20 1:15	3.956	261.4	13.9	20.28	29.07	0
7/28/20 1:30	2.49	185.9	18.8	20.21	29.07	0
7/28/20 1:45	3.266	218.5	11.47	20.36	29.07	0
7/28/20 2:00	5.645	238.6	10.56	19.64	29.07	0
7/28/20 2:15	5.446	275	12.92	18.67	29.07	0
7/28/20 2:30	4.436	290.5	11.68	18.26	29.07	0
7/28/20 2:45	3.955	257.5	4.662	18.17	29.07	0
7/28/20 3:00	4.293	251.1	13.62	17.94	29.1	0
7/28/20 3:15	1.19	236.8	1.952	17.39	29.1	0
7/28/20 3:30	3.162	230	13.06	17.17	29.1	0
7/28/20 3:45	4.474	231.3	6.264	17.18	29.1	0
7/28/20 4:00	5.592	215.2	5.109	16.98	29.11	0
7/28/20 4:15	5.647	212.6	2.562	16.36	29.11	0
7/28/20 4:30	1.559	212.4	3.046	15.98	29.11	0
7/28/20 4:45	0.181	212.7	0.837	15.59	29.11	0
7/28/20 5:00	2.779	203.9	13.96	15.95	29.12	0
7/28/20 5:15	3.322	205.6	6.523	15.94	29.12	0
7/28/20 5:30	3.322	197.7	4.461	15.72	29.12	0
7/28/20 5:45	3.245	200.4	4.393	15.8	29.12	0
7/28/20 6:00	2.947	180.1	15.96	15.72	29.12	0
7/28/20 6:15	4.394	168.9	11.28	15.83	29.12	0
7/28/20 6:30	5.522	146.8	5.525	16.09	29.12	0
7/28/20 6:45	6.327	165.8	13.57	16.08	29.12	0
7/28/20 7:00	5.371	177.5	13.08	16.1	29.12	0
7/28/20 7:15	4.231	177	14.66	16.71	29.12	0
7/28/20 7:30	4.389	155	27.38	17.42	29.12	0
7/28/20 7:45	4.079	179.1	18.45	17.38	29.12	0
7/28/20 8:00	4.747	177.2	15.14	17.66	29.15	0
7/28/20 8:15	4.607	182.1	16.74	17.82	29.15	0
7/28/20 8:30	5.715	190.6	18.87	18.15	29.15	0
7/28/20 8:45	4.701	194.6	30.7	18.63	29.15	0
7/28/20 9:00	4.779	190.3	35.45	19.04	29.14	0
7/28/20 9:15	5.271	176.5	21.2	19.54	29.14	0
7/28/20 9:30	3.432	172.6	45.47	20.32	29.14	0
7/28/20 9:45	3.009	203.8	68.75	20.48	29.14	0
7/28/20 10:00	3.451	193.4	45.45	20.95	29.16	0
7/28/20 10:15	4.397	219.3	26.34	21.15	29.16	0
7/28/20 10:30	5.062	223.6	29.69	21.51	29.16	0
7/28/20 10:45	6.007	199.4	24.29	21.76	29.16	0
7/28/20 11:00	5.249	210.9	28.22	22.27	29.14	0
7/28/20 11:15	5.827	238	25.67	22.14	29.14	0
7/28/20 11:30	5.475	253.6	25.26	22.65	29.14	0
7/28/20 11:45	6.099	247.1	22.25	22.7	29.14	0
7/28/20 12:00	9.04	263.8	14.76	22.83	29.15	0
7/28/20 12:15	6.586	245.3	16.61	22.96	29.15	0
7/28/20 12:30	4.203	244	46.19	23.48	29.15	0
7/28/20 12:45	6.497	259.6	23.46	24.01	29.15	0
7/28/20 13:00	4.724	265.3	31.94	24.3	29.14	0
7/28/20 13:15	6.692	238.1	25.65	24.6	29.14	0
7/28/20 13:30	6.721	238.5	26.68	24.36	29.14	0
7/28/20 13:45	6.956	234.1	19.96	24.99	29.14	0
7/28/20 14:00	5.904	205.4	34.28	25.44	29.12	0
7/28/20 14:15	6.764	233.2	31.08	25.65	29.12	0
7/28/20 14:30	8.17	249.5	20.1	25.48	29.12	0
7/28/20 14:45	6.428	266.7	25.45	25.47	29.12	0
7/28/20 15:00	7.653	272.8	12.44	25.36	29.12	0
7/28/20 15:15	7.159	261.7	15.13	25.4	29.12	0
7/28/20 15:30	5.133	243.3	35.42	25.93	29.12	0
7/28/20 15:45	6.201	251	24.25	25.53	29.12	0
7/28/20 16:00	5.313	261.7	26.11	25.76	29.1	0
7/28/20 16:15	6.782	234.8	18.18	25.78	29.1	0
7/28/20 16:30	4.053	213.1	46.95	25.73	29.1	0
7/28/20 16:45	4.211	182.5	21.32	25.92	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/28/20 17:00	3.691	186	42.38	26.26	29.09	0
7/28/20 17:15	2.236	217.5	47.23	26.59	29.09	0
7/28/20 17:30	3.194	157.2	18.75	26.22	29.09	0
7/28/20 17:45	3.482	177.8	31.59	26.03	29.09	0
7/28/20 18:00	2.012	168.3	20.24	26.04	29.07	0
7/28/20 18:15	3.245	135.2	12.39	25.84	29.07	0
7/28/20 18:30	1.102	129.3	19.5	26.13	29.07	0
7/28/20 18:45	2.098	235	31.59	26.29	29.07	0
7/28/20 19:00	1.879	239.7	22.82	25.65	29.07	0
7/28/20 19:15	4.838	308.9	14.24	24.62	29.07	0
7/28/20 19:30	4.973	310.2	3.022	23.77	29.07	0
7/28/20 19:45	3.048	335.3	10.51	23.44	29.07	0
7/28/20 20:00	4.284	354.8	10.8	22.83	29.08	0
7/28/20 20:15	4.225	5.06	9.93	22.21	29.08	0
7/28/20 20:30	4.262	348.7	11.41	22.2	29.08	0
7/28/20 20:45	4.26	14.07	10.05	21.55	29.08	0
7/28/20 21:00	7.051	16.88	9.58	20.23	29.1	0
7/28/20 21:15	7.436	16.3	8.56	20.14	29.1	0
7/28/20 21:30	5.604	16.34	9.49	19.82	29.1	0
7/28/20 21:45	3.496	27.8	12.93	19.53	29.1	0
7/28/20 22:00	6.537	28.97	7.531	19.21	29.1	0
7/28/20 22:15	5.914	35.67	8.31	18.76	29.1	0
7/28/20 22:30	3.399	54.32	17.5	18.57	29.1	0
7/28/20 22:45	3.63	114.7	11.29	18.42	29.1	0
7/28/20 23:00	4.655	123.6	5.463	17.93	29.1	0
7/28/20 23:15	3.403	126	10.83	17.63	29.1	0
7/28/20 23:30	4.223	141.6	4.126	17.77	29.1	0
7/28/20 23:45	3.912	137	3.935	17.78	29.1	0
7/29/20 0:00	4.261	149.1	4.286	17.27	29.09	0
7/29/20 0:15	4.708	149	3.669	16.94	29.09	0
7/29/20 0:30	4.759	176.9	10.69	16.74	29.09	0
7/29/20 0:45	3.775	167.4	4.725	16.59	29.09	0
7/29/20 1:00	3.786	169.1	6.412	16.67	29.09	0
7/29/20 1:15	3.163	174.1	9.06	16.93	29.09	0
7/29/20 1:30	2.914	178.8	15.49	16.72	29.09	0
7/29/20 1:45	4.334	166.4	7.141	16.03	29.09	0
7/29/20 2:00	3.137	190	8.61	15.76	29.12	0
7/29/20 2:15	1.535	186.9	20.91	15.78	29.12	0
7/29/20 2:30	1.428	75.49	35.18	15.3	29.12	0
7/29/20 2:45	2.583	48.93	8.68	14.93	29.12	0
7/29/20 3:00	1.969	28.24	4.44	15.07	29.1	0
7/29/20 3:15	2.437	34.48	12.02	15.03	29.1	0
7/29/20 3:30	1.558	60.77	6.189	14.74	29.1	0
7/29/20 3:45	1.448	41.1	9.09	14.66	29.1	0
7/29/20 4:00	0.429	22.27	0.467	14.54	29.12	0
7/29/20 4:15	0.353	85.9	26.31	14.59	29.12	0
7/29/20 4:30	1.639	133.4	1.827	14.46	29.12	0
7/29/20 4:45	2.482	150.7	13.97	14.23	29.12	0
7/29/20 5:00	2.707	174	4.114	14.44	29.12	0
7/29/20 5:15	2.86	190.2	8.36	14.26	29.12	0
7/29/20 5:30	2.537	184.3	5.859	14.14	29.12	0
7/29/20 5:45	1.198	226.1	27.15	14.52	29.12	0
7/29/20 6:00	0.109	254.1	1.24	15.58	29.14	0
7/29/20 6:15	0.637	31.67	5.191	16.19	29.14	0
7/29/20 6:30	1.279	77.89	21.83	16.14	29.14	0
7/29/20 6:45	1.481	93.1	16.13	16.53	29.14	0
7/29/20 7:00	1.952	147.2	12.46	16.5	29.14	0
7/29/20 7:15	2.002	195.8	23.95	16.63	29.14	0
7/29/20 7:30	2.09	193.6	32.52	17.22	29.14	0
7/29/20 7:45	1.549	144.5	58.99	18.07	29.14	0
7/29/20 8:00	1.747	54.8	27.87	19.02	29.14	0
7/29/20 8:15	1.722	147.2	59.74	19.26	29.14	0
7/29/20 8:30	1.531	201.6	59.48	19.82	29.14	0
7/29/20 8:45	3.4	6.441	19.87	20.38	29.14	0
7/29/20 9:00	2.023	353.7	37.75	20.74	29.13	0
7/29/20 9:15	3.396	314.8	34.78	21.07	29.13	0
7/29/20 9:30	3.594	317.8	32.76	21.7	29.13	0
7/29/20 9:45	5.763	335.5	17.38	21.78	29.13	0
7/29/20 10:00	4.964	293.1	33.97	22.35	29.14	0
7/29/20 10:15	4.196	292.4	36.83	23.25	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/29/20 10:30	4.405	284.3	28.17	23.38	29.14	0
7/29/20 10:45	4.608	299.8	35.53	24.08	29.14	0
7/29/20 11:00	3.593	318	45.85	24.17	29.14	0
7/29/20 11:15	5.319	288.2	23.76	24.47	29.14	0
7/29/20 11:30	5.914	268	26.71	24.97	29.14	0
7/29/20 11:45	7.464	267.6	19.97	25.31	29.14	0
7/29/20 12:00	6.329	271	24.92	25.82	29.14	0
7/29/20 12:15	6.075	285.1	29.3	25.77	29.14	0
7/29/20 12:30	6.395	270.6	19.5	26.32	29.14	0
7/29/20 12:45	6.834	263.2	17.16	26.82	29.14	0
7/29/20 13:00	6.409	263.9	19.31	26.83	29.14	0
7/29/20 13:15	5.367	294.9	36.98	27.3	29.14	0
7/29/20 13:30	4.927	310.8	37.91	27.75	29.14	0
7/29/20 13:45	5.249	309.2	22.12	28.04	29.14	0
7/29/20 14:00	5.811	285.2	25.48	28.57	29.1	0
7/29/20 14:15	5.542	306.8	23.79	28.54	29.1	0
7/29/20 14:30	5.6	312.4	18.18	28.77	29.1	0
7/29/20 14:45	5.421	311.9	34.31	29.42	29.1	0
7/29/20 15:00	5.765	306.3	18.46	29.07	29.11	0
7/29/20 15:15	5.558	299.6	21.37	29.36	29.11	0
7/29/20 15:30	5.993	322.2	26.64	29.48	29.11	0
7/29/20 15:45	6.303	298.8	20.21	29.72	29.11	0
7/29/20 16:00	5.608	317.6	27.35	29.62	29.11	0
7/29/20 16:15	6.071	297.9	30.55	29.52	29.11	0
7/29/20 16:30	4.649	323	48.85	29.36	29.11	0
7/29/20 16:45	6.322	319.6	25.64	29.38	29.11	0
7/29/20 17:00	6.484	328.2	30.01	29.26	29.09	0
7/29/20 17:15	5.837	341.4	22.37	29.04	29.09	0
7/29/20 17:30	6.307	312.1	15.18	28.9	29.09	0
7/29/20 17:45	6.848	294.1	12.32	28.58	29.09	0
7/29/20 18:00	6.419	293.6	11.76	28.29	29.12	0
7/29/20 18:15	6.003	285.5	9.48	27.98	29.12	0
7/29/20 18:30	6.013	286.8	8.06	27.38	29.12	0
7/29/20 18:45	5.764	286.1	10.53	26.9	29.12	0
7/29/20 19:00	5.585	275.1	8.38	26.47	29.12	0
7/29/20 19:15	4.141	290.8	11.06	26.01	29.12	0
7/29/20 19:30	3.654	302.4	28.19	25.52	29.12	0
7/29/20 19:45	2.727	299.4	20.23	25.2	29.12	0
7/29/20 20:00	3.207	294.4	17.28	24.35	29.13	0
7/29/20 20:15	3.273	319.2	19.34	23.92	29.13	0
7/29/20 20:30	4.407	353.7	21.36	23.72	29.13	0
7/29/20 20:45	6.06	2.808	11.08	23.04	29.13	0
7/29/20 21:00	5.194	12.09	10.43	22.71	29.14	0
7/29/20 21:15	6.609	25.88	8.22	22.13	29.14	0
7/29/20 21:30	7.156	21.3	6.789	22	29.14	0
7/29/20 21:45	7.045	15.15	6.229	21.54	29.14	0
7/29/20 22:00	7.121	18.2	9.74	21.34	29.18	0
7/29/20 22:15	5.898	7.373	9.79	20.9	29.18	0
7/29/20 22:30	8.82	9.42	9.76	21.05	29.18	0
7/29/20 22:45	7.507	15.38	7.071	20.49	29.18	0
7/29/20 23:00	7.996	16.8	8.85	20.15	29.18	0
7/29/20 23:15	9.15	15.35	11.14	20.02	29.18	0
7/29/20 23:30	8.36	15.58	7.881	19.26	29.18	0
7/29/20 23:45	8.26	17.43	7.436	18.96	29.18	0
7/30/20 0:00	7.736	25.33	8.88	18.73	29.2	0
7/30/20 0:15	7.218	22.62	7.418	18.6	29.2	0
7/30/20 0:30	5.546	11.51	8.21	18.35	29.2	0
7/30/20 0:45	5.248	3.981	10.48	18.32	29.2	0
7/30/20 1:00	5.295	13.65	7.375	17.86	29.16	0
7/30/20 1:15	4.515	16.47	8.16	17.63	29.16	0
7/30/20 1:30	4.529	24.78	5.827	17.34	29.16	0
7/30/20 1:45	4.506	16.32	5.576	17.24	29.16	0
7/30/20 2:00	3.893	8.52	7.669	17.24	29.17	0
7/30/20 2:15	4.329	8.03	4.861	17.16	29.17	0
7/30/20 2:30	4.407	3.581	8.51	17.08	29.17	0
7/30/20 2:45	4.51	6.744	9.58	17	29.17	0
7/30/20 3:00	4.805	8.56	5.843	16.62	29.16	0
7/30/20 3:15	4.735	8.58	6.667	16.4	29.16	0
7/30/20 3:30	4.782	11.92	4.422	16.15	29.16	0
7/30/20 3:45	4.998	4.999	10.05	16.21	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/30/20 4:00	5.281	6.696	11.22	16.13	29.15	0
7/30/20 4:15	5.295	13.14	5.982	16.08	29.15	0
7/30/20 4:30	4.82	4.739	4.776	16	29.15	0
7/30/20 4:45	3.924	307.8	28.26	16.55	29.15	0
7/30/20 5:00	1.332	329.7	27.14	16.58	29.18	0
7/30/20 5:15	2.989	24.67	13.76	16.06	29.18	0
7/30/20 5:30	4.812	28.39	12.14	15.44	29.18	0
7/30/20 5:45	5.983	28.49	9.38	15.56	29.18	0
7/30/20 6:00	6.702	24.34	8.1	15.76	29.19	0
7/30/20 6:15	6.668	23.21	7.358	16.25	29.19	0
7/30/20 6:30	7.986	10.73	9.44	16.67	29.19	0
7/30/20 6:45	7.395	19.63	12.07	17.13	29.19	0
7/30/20 7:00	6.85	17.84	11.32	18.13	29.19	0
7/30/20 7:15	7.351	17.42	12.27	18.72	29.19	0
7/30/20 7:30	7.407	23.54	8.81	19.2	29.19	0
7/30/20 7:45	3.123	5.523	15.93	20.09	29.19	0
7/30/20 8:00	2.734	253.1	60.43	20.69	29.19	0
7/30/20 8:15	2.013	280.5	54.49	21.02	29.19	0
7/30/20 8:30	2.177	41.55	44.77	21.96	29.19	0
7/30/20 8:45	2.532	53.83	23.33	22.48	29.19	0
7/30/20 9:00	3.56	39.73	16.23	22.6	29.16	0
7/30/20 9:15	4.7	25.52	12.77	22.89	29.16	0
7/30/20 9:30	4.938	18.44	15.31	23.22	29.16	0
7/30/20 9:45	5.39	11.06	13.45	23.48	29.16	0
7/30/20 10:00	4.812	13.28	41.72	24.06	29.17	0
7/30/20 10:15	3.032	262.1	28.71	24.63	29.17	0
7/30/20 10:30	5.597	6.565	25.04	25.32	29.17	0
7/30/20 10:45	4.851	19.96	25.41	25.1	29.17	0
7/30/20 11:00	4.674	5.451	36	26.27	29.15	0
7/30/20 11:15	6.415	291.4	21.9	26.82	29.15	0
7/30/20 11:30	9.12	281.2	7.544	26.95	29.15	0
7/30/20 11:45	7.9	297.9	15.58	27.46	29.15	0
7/30/20 12:00	8.04	348.2	35.9	27.36	29.13	0
7/30/20 12:15	9.26	11.92	12.57	27.53	29.13	0
7/30/20 12:30	7.805	348.8	37.45	28.15	29.13	0
7/30/20 12:45	8.84	303.2	15.87	28.79	29.13	0
7/30/20 13:00	8.95	287.1	10.47	29	29.14	0
7/30/20 13:15	7.827	293.3	19.06	29.09	29.14	0
7/30/20 13:30	7.3	286	15	29.62	29.14	0
7/30/20 13:45	5.75	294.3	22.64	29.55	29.14	0
7/30/20 14:00	5.519	289.7	34.35	29.85	29.13	0
7/30/20 14:15	4.993	281.7	20.52	29.9	29.13	0
7/30/20 14:30	4.114	330.4	41.37	30.06	29.13	0
7/30/20 14:45	5.79	288.6	30.77	30.37	29.13	0
7/30/20 15:00	6.024	296.6	20.05	30.72	29.12	0
7/30/20 15:15	6.816	288.7	10.51	30.76	29.12	0
7/30/20 15:30	6.011	266.4	20.68	30.38	29.12	0
7/30/20 15:45	5.447	286.3	30.07	30.74	29.12	0
7/30/20 16:00	5.759	293.8	19.01	30.77	29.08	0
7/30/20 16:15	5.274	300.1	23.73	30.82	29.08	0
7/30/20 16:30	5.549	303	16.12	30.76	29.08	0
7/30/20 16:45	5.972	275.7	15.87	30.64	29.08	0
7/30/20 17:00	7.465	236.4	13.49	30.42	29.1	0
7/30/20 17:15	8.69	243.6	9.03	30.12	29.1	0
7/30/20 17:30	7.302	251	11.12	29.82	29.1	0
7/30/20 17:45	6.595	259.7	10.13	29.51	29.1	0
7/30/20 18:00	6.935	263.2	10.24	29.4	29.1	0
7/30/20 18:15	6.819	272.3	8.08	29.2	29.1	0
7/30/20 18:30	6.544	274	13.01	28.92	29.1	0
7/30/20 18:45	6.256	255.5	5.366	28.41	29.1	0
7/30/20 19:00	5.343	240.5	7.345	28.12	29.09	0
7/30/20 19:15	4.358	232.3	6.838	27.89	29.09	0
7/30/20 19:30	5.292	258.1	7.294	27.36	29.09	0
7/30/20 19:45	4.648	248.2	4.391	26.76	29.09	0
7/30/20 20:00	3.664	292.4	25.08	26.14	29.12	0
7/30/20 20:15	2.816	330.7	3.22	25.68	29.12	0
7/30/20 20:30	2.125	355.6	23.64	25.42	29.12	0
7/30/20 20:45	2.319	35.82	20.12	24.41	29.12	0
7/30/20 21:00	2.669	12.49	7.866	23.75	29.1	0
7/30/20 21:15	3.95	30.12	15.21	24.34	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/30/20 21:30	2.418	17.43	11.21	23.94	29.1	0
7/30/20 21:45	3.462	16.93	9.36	23.93	29.1	0
7/30/20 22:00	3.13	18.71	12.16	23.33	29.11	0
7/30/20 22:15	2.973	16.66	5.324	23.48	29.11	0
7/30/20 22:30	4.472	209.2	23.73	22.57	29.11	0
7/30/20 22:45	4.308	173.9	18.38	22.56	29.11	0
7/30/20 23:00	3.045	120.1	13.37	22.28	29.11	0
7/30/20 23:15	2.981	132.8	21.46	22.06	29.11	0
7/30/20 23:30	5.436	170.3	9.12	22.18	29.11	0
7/30/20 23:45	5.08	147.9	7.029	21.61	29.11	0
7/31/20 0:00	3.974	133.2	6.583	21.81	29.14	0
7/31/20 0:15	5.362	146.9	4.551	21.81	29.14	0
7/31/20 0:30	4.423	156.9	7.529	21.78	29.14	0
7/31/20 0:45	3.651	142.2	6.931	21.83	29.14	0
7/31/20 1:00	4.201	171.7	6.763	22.02	29.13	0
7/31/20 1:15	3.654	185	9.84	21.91	29.13	0
7/31/20 1:30	4.478	181.8	7.325	21.7	29.13	0
7/31/20 1:45	2.854	146.1	10.59	21.24	29.13	0
7/31/20 2:00	4.44	142.6	7.985	20.99	29.1	0
7/31/20 2:15	3.797	169	15.14	21.27	29.1	0
7/31/20 2:30	4.373	188.8	7.403	21.08	29.1	0
7/31/20 2:45	2.974	164.3	19.95	21	29.1	0
7/31/20 3:00	1.773	128.4	29.32	20.97	29.1	0
7/31/20 3:15	3.245	160.1	9.23	20.91	29.1	0
7/31/20 3:30	3.686	208.6	12.25	20.92	29.1	0
7/31/20 3:45	6.238	207.2	2.787	19.88	29.1	0
7/31/20 4:00	3.359	217	47.06	19.37	29.11	0
7/31/20 4:15	4.377	225.2	13.75	18.82	29.11	0
7/31/20 4:30	2.515	295	28.68	18.48	29.11	0
7/31/20 4:45	1.641	341.7	9	18.32	29.11	0
7/31/20 5:00	2.488	235.4	20.73	18.4	29.11	0
7/31/20 5:15	3.576	245	6.206	18.37	29.11	0
7/31/20 5:30	3.83	234	11.22	18.15	29.11	0
7/31/20 5:45	5.577	218.2	5.889	17.85	29.11	0
7/31/20 6:00	4.839	230.9	10.78	17.67	29.12	0
7/31/20 6:15	2.707	207.1	27.41	17.66	29.12	0
7/31/20 6:30	5.187	201.9	9.53	17.56	29.12	0
7/31/20 6:45	4.275	173	11.36	17.52	29.12	0
7/31/20 7:00	6.148	171.8	19.74	17.96	29.17	0
7/31/20 7:15	6.15	144.2	9.69	18.34	29.17	0
7/31/20 7:30	6.507	129.2	12.25	18.73	29.17	0
7/31/20 7:45	6.026	132.6	15.9	18.88	29.17	0
7/31/20 8:00	7.51	145.4	11.62	19.49	29.18	0
7/31/20 8:15	7.825	167.6	21.93	19.85	29.18	0
7/31/20 8:30	8.41	173.4	10.99	19.88	29.18	0
7/31/20 8:45	7.577	179.1	18.36	20.08	29.18	0
7/31/20 9:00	6.935	160.5	23.47	20.59	29.17	0
7/31/20 9:15	8.62	176.1	17.03	21.33	29.17	0
7/31/20 9:30	7.572	177.3	20.86	21.76	29.17	0
7/31/20 9:45	7.181	162.3	29.62	22.08	29.17	0
7/31/20 10:00	7.746	141.8	26.46	23.05	29.17	0
7/31/20 10:15	8.05	182.9	21.23	22.99	29.17	0
7/31/20 10:30	6.878	183.3	35.65	23.84	29.17	0
7/31/20 10:45	9.55	213.3	14.65	23.51	29.17	0
7/31/20 11:00	6.901	224.1	17.49	23.6	29.16	0
7/31/20 11:15	6.012	187.7	34.38	24.11	29.16	0
7/31/20 11:30	6.932	187.1	17.68	24.34	29.16	0
7/31/20 11:45	5.794	197.6	32.84	25.23	29.16	0
7/31/20 12:00	6.89	176.8	30.82	25.56	29.16	0
7/31/20 12:15	5.673	201.6	28.32	25.82	29.16	0
7/31/20 12:30	7.013	224	21.91	26.3	29.16	0
7/31/20 12:45	6.648	267.1	17.96	26.14	29.16	0
7/31/20 13:00	9.32	250.1	23.18	26.25	29.19	0
7/31/20 13:15	8.34	239.4	15.06	26.11	29.19	0
7/31/20 13:30	7.837	237.2	15.3	26.35	29.19	0
7/31/20 13:45	7.994	232.3	14.74	26.48	29.19	0
7/31/20 14:00	7.331	244.1	21.87	26.69	29.21	0
7/31/20 14:15	8.41	252.3	15.91	26.61	29.21	0
7/31/20 14:30	8.46	259	21.92	26.5	29.21	0
7/31/20 14:45	9.21	245.6	20.02	26.95	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
7/31/20 15:00	8.86	237.7	18.67	26.85	29.22	0
7/31/20 15:15	7.946	224.1	32.39	26.82	29.22	0
7/31/20 15:30	8.44	239.9	20.54	26.92	29.22	0
7/31/20 15:45	7.844	247.4	22.53	27.11	29.22	0
7/31/20 16:00	7.296	245.4	23.12	26.79	29.22	0
7/31/20 16:15	7.884	245	18.15	26.83	29.22	0
7/31/20 16:30	6.945	235.9	23.16	26.59	29.22	0
7/31/20 16:45	8.02	269.4	14.9	26.62	29.22	0
7/31/20 17:00	9.35	278.2	11.97	26.3	29.22	0
7/31/20 17:15	9.83	280.3	9.22	25.87	29.22	0
7/31/20 17:30	9.83	263.3	10.18	25.5	29.22	0
7/31/20 17:45	8.36	259.2	10.27	24.95	29.22	0
7/31/20 18:00	8.41	259.3	7.784	24.25	29.21	0
7/31/20 18:15	8.06	245.1	10.11	24.03	29.21	0
7/31/20 18:30	8.17	225.2	8.35	23.94	29.21	0
7/31/20 18:45	6.199	217.7	7.04	23.61	29.21	0
7/31/20 19:00	7.144	218.3	5.764	23.23	29.24	0
7/31/20 19:15	7.396	231.7	10.21	22.52	29.24	0
7/31/20 19:30	8.33	240	6.337	21.68	29.24	0
7/31/20 19:45	5.649	243.7	6.148	21.11	29.24	0
7/31/20 20:00	3.893	212.8	11	20.96	29.24	0
7/31/20 20:15	5.387	220.6	8.29	20.88	29.24	0
7/31/20 20:30	6.45	221.8	6.022	20.54	29.24	0
7/31/20 20:45	2.608	249.8	38.03	20.19	29.24	0
7/31/20 21:00	2.098	265.4	18.19	19.57	29.26	0
7/31/20 21:15	6.478	259	14.58	19.32	29.26	0
7/31/20 21:30	6.289	255.2	6.789	18.59	29.26	0
7/31/20 21:45	6.773	260.9	9.16	18.01	29.26	0
7/31/20 22:00	3.999	243.8	10.07	17.81	29.27	0
7/31/20 22:15	2.324	264.7	8.76	17.64	29.27	0
7/31/20 22:30	1.097	77.11	11.41	17.17	29.27	0
7/31/20 22:45	1.084	117.9	42.22	17.21	29.27	0
7/31/20 23:00	3.125	181.9	12.49	17.39	29.28	0
7/31/20 23:15	3.831	210.1	13.64	16.88	29.28	0
7/31/20 23:30	2.02	300.3	39.32	16.43	29.28	0
7/31/20 23:45	3.194	279.3	5.003	16.43	29.28	0
8/1/20 0:00	5.562	289	5.648	15.87	29.27	0
8/1/20 0:15	6.263	276.7	4.116	15.65	29.27	0
8/1/20 0:30	6.746	272.8	5.498	15.55	29.27	0
8/1/20 0:45	5.574	269.2	6.575	15.35	29.27	0
8/1/20 1:00	4.241	263.6	13.18	15.19	29.26	0
8/1/20 1:15	3.3	250.2	8.68	15.09	29.26	0
8/1/20 1:30	3.858	231.6	12.89	15.05	29.26	0
8/1/20 1:45	4.429	205.6	7.637	14.86	29.26	0
8/1/20 2:00	2.585	173.3	10.71	14.29	29.28	0
8/1/20 2:15	1.866	189.2	19.29	14.15	29.28	0
8/1/20 2:30	1.03	126.1	24.65	14.08	29.28	0
8/1/20 2:45	2.438	126	24.67	13.94	29.28	0
8/1/20 3:00	2.465	204.8	17.93	14.39	29.29	0
8/1/20 3:15	3.047	206.4	5.681	14.48	29.29	0
8/1/20 3:30	1.302	132.9	39.09	14.31	29.29	0
8/1/20 3:45	0.143	71.9	0.407	14.13	29.29	0
8/1/20 4:00	1.19	218	30.19	14.41	29.27	0
8/1/20 4:15	2.809	203.2	16.17	14.52	29.27	0
8/1/20 4:30	4.071	212.6	8.4	14.42	29.27	0
8/1/20 4:45	4.769	215.2	6.745	14.23	29.27	0
8/1/20 5:00	5.651	184.8	11.85	14.15	29.3	0
8/1/20 5:15	5.09	186.1	10.29	14.29	29.3	0
8/1/20 5:30	4.979	180.7	9.12	14.27	29.3	0
8/1/20 5:45	4.165	203	9.28	14.26	29.3	0
8/1/20 6:00	3.482	166.8	13.85	14.08	29.32	0
8/1/20 6:15	2.95	141.6	14.56	13.94	29.32	0
8/1/20 6:30	3.918	181.7	10.28	14.18	29.32	0
8/1/20 6:45	3.952	188.3	10.86	14.18	29.32	0
8/1/20 7:00	4.429	175.6	9.54	14.1	29.31	0
8/1/20 7:15	4.363	192.7	9.6	14.28	29.31	0
8/1/20 7:30	4.506	169.8	9.39	14.25	29.31	0
8/1/20 7:45	4.744	189.5	16.55	14.42	29.31	0
8/1/20 8:00	4.499	159.2	13.96	14.48	29.34	0
8/1/20 8:15	3.924	162.8	15.52	14.65	29.34	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/1/20 8:30	3.515	196.8	20.61	14.72	29.34	0
8/1/20 8:45	5.108	186.2	19.1	14.72	29.34	0
8/1/20 9:00	3.54	173.2	19.27	14.96	29.33	0
8/1/20 9:15	1.836	195.3	34.55	15.01	29.33	0
8/1/20 9:30	1.984	161.8	68.84	15.3	29.33	0
8/1/20 9:45	2.133	112	27.25	15.39	29.33	0
8/1/20 10:00	2.378	190.2	29.73	15.89	29.33	0
8/1/20 10:15	3.115	195.3	31.37	16.15	29.33	0
8/1/20 10:30	2.675	252.4	32.94	16.44	29.33	0
8/1/20 10:45	2.178	118.6	82.1	17.37	29.33	0
8/1/20 11:00	3.369	248.2	40.74	17.48	29.34	0
8/1/20 11:15	3.69	268.6	41.81	17.62	29.34	0
8/1/20 11:30	4.109	248.6	25.71	17.88	29.34	0
8/1/20 11:45	6.086	231.6	14.85	18.16	29.34	0
8/1/20 12:00	5.03	235.7	28.05	18.59	29.33	0
8/1/20 12:15	6.502	256.8	16.41	18.88	29.33	0
8/1/20 12:30	4.605	241.9	42.17	19.42	29.33	0
8/1/20 12:45	5.352	183.2	34.11	20.11	29.33	0
8/1/20 13:00	4.519	199.4	18.58	19.73	29.33	0
8/1/20 13:15	4.285	180.4	31.65	20.98	29.33	0
8/1/20 13:30	4.917	197.5	52.04	20.72	29.33	0
8/1/20 13:45	4.266	205.3	26.39	20.68	29.33	0
8/1/20 14:00	5.847	221.6	20.02	20.37	29.32	0
8/1/20 14:15	6.015	234.4	28.07	20.62	29.32	0
8/1/20 14:30	4.471	294.9	26.78	21.39	29.32	0
8/1/20 14:45	2.524	268	33.15	21.23	29.32	0
8/1/20 15:00	4.717	237.7	22.87	22.04	29.29	0
8/1/20 15:15	4.268	251	34.8	22.05	29.29	0
8/1/20 15:30	6.472	239.7	27.4	22.51	29.29	0
8/1/20 15:45	5.533	251.6	17.93	22.2	29.29	0
8/1/20 16:00	4.759	231.1	16.27	22.73	29.29	0
8/1/20 16:15	4.345	272.2	28.67	22.97	29.29	0
8/1/20 16:30	4.67	264.6	18.92	23.14	29.29	0
8/1/20 16:45	5.665	247.9	16.69	23.12	29.29	0
8/1/20 17:00	5.625	244.3	25.49	22.96	29.28	0
8/1/20 17:15	4.912	258.1	27.46	23	29.28	0
8/1/20 17:30	4.611	299.6	20.92	22.97	29.28	0
8/1/20 17:45	4.53	266.2	27.16	23.02	29.28	0
8/1/20 18:00	4.644	253.6	18.64	22.94	29.27	0
8/1/20 18:15	4.741	266.1	15.36	22.84	29.27	0
8/1/20 18:30	4.169	263	10.53	22.78	29.27	0
8/1/20 18:45	3.168	289.3	9.29	22.78	29.27	0
8/1/20 19:00	3.694	298.1	7.218	22.18	29.25	0
8/1/20 19:15	2.874	275.2	12.45	22.14	29.25	0
8/1/20 19:30	2.443	289.7	1.852	21.77	29.25	0
8/1/20 19:45	1.937	296.5	6.592	21.37	29.25	0
8/1/20 20:00	1.515	1.891	14.71	20.22	29.26	0
8/1/20 20:15	1.013	2.566	0.451	19.94	29.26	0
8/1/20 20:30	0	0	0	19.71	29.26	0
8/1/20 20:45	0.901	44.05	2.748	19.19	29.26	0
8/1/20 21:00	0.583	45.35	0.332	18.64	29.28	0
8/1/20 21:15	1.954	83.7	19.52	19.13	29.28	0
8/1/20 21:30	2.859	79.63	10.65	18.24	29.28	0
8/1/20 21:45	2.997	95.1	3.231	17.81	29.28	0
8/1/20 22:00	3.017	77.5	7.787	17.76	29.27	0
8/1/20 22:15	2.736	89.2	18.22	17.42	29.27	0
8/1/20 22:30	3.56	154.3	11.57	17.72	29.27	0
8/1/20 22:45	4.348	151.3	10.17	17.88	29.27	0
8/1/20 23:00	2.771	153	6.079	17.26	29.26	0
8/1/20 23:15	1.568	194.6	18.94	15.82	29.26	0
8/1/20 23:30	3.738	182.5	13.76	16.06	29.26	0
8/1/20 23:45	4.886	157	10.04	16.14	29.26	0
8/2/20 0:00	2.401	136.7	12.04	15.91	29.29	0
8/2/20 0:15	1.839	113.3	11.86	15.06	29.29	0
8/2/20 0:30	4.114	117.7	7.546	16.16	29.29	0
8/2/20 0:45	4.755	138.9	10.29	16.33	29.29	0
8/2/20 1:00	5.766	162.8	10.02	16.04	29.25	0
8/2/20 1:15	5.466	181.2	6.556	15.68	29.25	0
8/2/20 1:30	4.076	187.8	7.84	15.47	29.25	0
8/2/20 1:45	3.404	156.4	8.51	15.24	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/2/20 2:00	2.191	87.1	20.58	15.22	29.28	0
8/2/20 2:15	3.063	110.1	10.58	15.4	29.28	0
8/2/20 2:30	3.036	135.1	8.87	15.82	29.28	0
8/2/20 2:45	2.692	154.5	4.078	15.84	29.28	0
8/2/20 3:00	2.674	164.3	4.919	15.7	29.26	0
8/2/20 3:15	3.305	158.7	4.569	15.58	29.26	0
8/2/20 3:30	2.791	155.7	4.693	15.32	29.26	0
8/2/20 3:45	4.371	188.3	13.73	14.61	29.26	0
8/2/20 4:00	6.213	194.2	7.024	13.84	29.26	0
8/2/20 4:15	5.442	173.6	9.8	14.26	29.26	0
8/2/20 4:30	3.419	164.6	3.138	14.17	29.26	0
8/2/20 4:45	3.226	163.2	3.612	14.32	29.26	0
8/2/20 5:00	3.595	172.8	3.654	14.33	29.28	0
8/2/20 5:15	3.74	178	4.488	14.28	29.28	0
8/2/20 5:30	3.408	159.2	8.44	14.15	29.28	0
8/2/20 5:45	3.193	147.7	3.907	14.05	29.28	0
8/2/20 6:00	4.24	144.4	6.047	14.57	29.27	0
8/2/20 6:15	3.704	141.2	6.323	15.64	29.27	0
8/2/20 6:30	3.281	157.3	13.54	15.98	29.27	0
8/2/20 6:45	2.871	204	20.57	16.15	29.27	0
8/2/20 7:00	3.598	212.8	12.9	16.07	29.27	0
8/2/20 7:15	3.661	198.4	15.95	16.29	29.27	0
8/2/20 7:30	3.428	211	14.04	16.68	29.27	0
8/2/20 7:45	4.285	184.2	21.14	17.23	29.27	0
8/2/20 8:00	3.743	207.3	18.56	17.61	29.26	0
8/2/20 8:15	3.221	190.2	22.2	17.97	29.26	0
8/2/20 8:30	3.32	211.2	23.22	18.57	29.26	0
8/2/20 8:45	4.289	211.5	23.19	18.75	29.26	0
8/2/20 9:00	4.537	168.7	22.44	19.51	29.26	0
8/2/20 9:15	5.355	188.2	17.36	19.95	29.26	0
8/2/20 9:30	5.377	188.9	22.37	20.32	29.26	0
8/2/20 9:45	5.522	198.9	28.46	20.85	29.26	0
8/2/20 10:00	5.773	234.2	19.08	20.86	29.25	0
8/2/20 10:15	6.981	241.1	18.94	21.37	29.25	0
8/2/20 10:30	7.571	244.9	17.68	21.5	29.25	0
8/2/20 10:45	6.965	226.9	21.9	21.76	29.25	0
8/2/20 11:00	6.195	196.1	24.28	22.16	29.26	0
8/2/20 11:15	6.345	217.9	14.64	22.06	29.26	0
8/2/20 11:30	4.451	205.3	25.89	22.28	29.26	0
8/2/20 11:45	6.404	244.1	21.28	22.91	29.26	0
8/2/20 12:00	6.954	247.9	16.8	23.11	29.28	0
8/2/20 12:15	6.829	234.7	20.83	23.64	29.28	0
8/2/20 12:30	6.706	247.4	17.01	23.83	29.28	0
8/2/20 12:45	4.672	210.3	40.24	23.96	29.28	0
8/2/20 13:00	5.603	241.8	22.86	23.73	29.28	0
8/2/20 13:15	6.137	259.7	22.03	24.31	29.28	0
8/2/20 13:30	5.117	209.3	46.11	24.96	29.28	0
8/2/20 13:45	4.431	188.4	59.72	25.27	29.28	0
8/2/20 14:00	4.657	232.4	35.16	25.48	29.25	0
8/2/20 14:15	6.8	281.1	25.2	25.43	29.25	0
8/2/20 14:30	6.659	269.3	31.1	25.44	29.25	0
8/2/20 14:45	8.18	276.8	31.59	25.31	29.25	0
8/2/20 15:00	8.75	285.2	14.18	25.78	29.26	0
8/2/20 15:15	8.45	259	16.92	25.2	29.26	0
8/2/20 15:30	6.303	271.3	23.95	25.63	29.26	0
8/2/20 15:45	5.398	265.9	22.63	25.56	29.26	0
8/2/20 16:00	7.729	264.8	24.34	25.78	29.26	0
8/2/20 16:15	7.833	261.1	26.65	25.94	29.26	0
8/2/20 16:30	7.96	263.5	16.23	25.86	29.26	0
8/2/20 16:45	9.95	270.1	14.16	25.72	29.26	0
8/2/20 17:00	7.638	259.6	13.29	25.6	29.24	0
8/2/20 17:15	8.5	270.7	15.57	25.29	29.24	0
8/2/20 17:30	8.48	250	18.74	25.26	29.24	0
8/2/20 17:45	8.11	278.8	11.35	25.02	29.24	0
8/2/20 18:00	7.785	267.8	13.96	24.85	29.26	0
8/2/20 18:15	7.593	270.2	8.45	24.65	29.26	0
8/2/20 18:30	7.811	253.7	11.14	24.44	29.26	0
8/2/20 18:45	7.835	262.4	11.62	24.04	29.26	0
8/2/20 19:00	7.073	258.2	6.918	23.35	29.27	0
8/2/20 19:15	5.385	253	7.227	22.98	29.27	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/2/20 19:30	5.432	251.7	6.954	22.68	29.27	0
8/2/20 19:45	4.036	242.9	7.316	22.46	29.27	0
8/2/20 20:00	3.794	257.1	5.718	21.98	29.27	0
8/2/20 20:15	5.005	270	5.785	21.56	29.27	0
8/2/20 20:30	6.942	252.4	6.933	21.45	29.27	0
8/2/20 20:45	5.188	247.4	6.236	21.32	29.27	0
8/2/20 21:00	5.037	227.7	10.09	21.04	29.29	0
8/2/20 21:15	3.192	195.4	15.86	20.08	29.29	0
8/2/20 21:30	2.42	176.9	28.19	19.68	29.29	0
8/2/20 21:45	2.47	145.3	7.738	19.48	29.29	0
8/2/20 22:00	0.978	189	18.23	19.71	29.29	0
8/2/20 22:15	4.328	179.5	7.869	19.5	29.29	0
8/2/20 22:30	5.007	175.1	6.91	19.13	29.29	0
8/2/20 22:45	2.267	128.5	13.78	18.62	29.29	0
8/2/20 23:00	3.015	184.8	22.24	18.56	29.3	0
8/2/20 23:15	2.988	162.9	27.91	18.36	29.3	0
8/2/20 23:30	3.164	165.5	13.46	17.99	29.3	0
8/2/20 23:45	2.97	161	14.85	17.95	29.3	0
8/3/20 0:00	3.574	153	12.01	17.56	29.3	0
8/3/20 0:15	2.579	169.5	6.577	17.6	29.3	0
8/3/20 0:30	3.964	178.8	8.17	17.4	29.3	0
8/3/20 0:45	2.775	174.7	6.098	17.29	29.3	0
8/3/20 1:00	2.972	187.8	8.35	17.21	29.31	0
8/3/20 1:15	3.03	202.6	3.837	17.18	29.31	0
8/3/20 1:30	2.098	188.3	11.41	16.89	29.31	0
8/3/20 1:45	2.937	186	12.98	16.68	29.31	0
8/3/20 2:00	2.994	199.3	8.77	16.56	29.33	0
8/3/20 2:15	2.531	184.1	9.6	16.22	29.33	0
8/3/20 2:30	2.276	138.2	20.55	15.99	29.33	0
8/3/20 2:45	2.341	112.5	9.31	15.72	29.33	0
8/3/20 3:00	4.034	150.1	20.94	15.12	29.31	0
8/3/20 3:15	4.94	161.1	6.39	14.89	29.31	0
8/3/20 3:30	4.525	137.9	8.84	14.8	29.31	0
8/3/20 3:45	3.904	132.4	3.763	14.5	29.31	0
8/3/20 4:00	2.666	114.3	7.661	14.65	29.34	0
8/3/20 4:15	3.524	104.3	7.603	14.63	29.34	0
8/3/20 4:30	3.336	121.4	9.13	14.89	29.34	0
8/3/20 4:45	3.46	141.7	4.034	14.92	29.34	0
8/3/20 5:00	3.957	129.2	8.09	15.01	29.35	0
8/3/20 5:15	3.107	133.5	9.31	14.71	29.35	0
8/3/20 5:30	5.049	153.3	9.93	14.8	29.35	0
8/3/20 5:45	5.086	144.5	6.344	15.01	29.35	0
8/3/20 6:00	4.161	140.8	7.452	15.39	29.34	0
8/3/20 6:15	4.806	135.5	11.2	15.6	29.34	0
8/3/20 6:30	4.411	131.6	6.305	15.75	29.34	0
8/3/20 6:45	3.847	155.6	16.35	15.78	29.34	0
8/3/20 7:00	4.806	149.3	6.108	15.75	29.36	0
8/3/20 7:15	4.469	145.2	5.844	15.93	29.36	0
8/3/20 7:30	4.082	142.4	4.749	16.18	29.36	0
8/3/20 7:45	4.998	143	7.058	16.36	29.36	0
8/3/20 8:00	4.965	142.5	11.79	16.78	29.37	0
8/3/20 8:15	5.125	177.5	14.97	16.93	29.37	0
8/3/20 8:30	5.753	172.2	23.44	17.09	29.37	0
8/3/20 8:45	5.802	200.2	10.8	17.06	29.37	0
8/3/20 9:00	5.942	182.8	11.7	17.21	29.36	0
8/3/20 9:15	5.29	192.2	11.33	17.36	29.36	0
8/3/20 9:30	4.289	142.7	13.99	18.22	29.36	0
8/3/20 9:45	5.49	140	17.41	18.89	29.36	0
8/3/20 10:00	4.576	158.3	23.16	19.07	29.36	0
8/3/20 10:15	3.253	168.3	31.22	19.49	29.36	0
8/3/20 10:30	5.008	188	23.38	20.17	29.36	0
8/3/20 10:45	5.347	178.4	36.07	20.31	29.36	0
8/3/20 11:00	5.259	150.5	44.98	20.43	29.38	0
8/3/20 11:15	4.797	201.1	39.68	20.74	29.38	0
8/3/20 11:30	5.966	212	24.64	21.34	29.38	0
8/3/20 11:45	5.778	238.9	17.23	20.92	29.38	0
8/3/20 12:00	5.007	233.2	24.54	21.53	29.38	0
8/3/20 12:15	4.957	243.3	19.16	21.62	29.38	0
8/3/20 12:30	3.617	202	49.42	21.99	29.38	0
8/3/20 12:45	4.477	208.8	29.79	22.61	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/3/20 13:00	4.545	162.8	29.8	22.99	29.37	0
8/3/20 13:15	1.731	193.1	41.3	22.34	29.37	0
8/3/20 13:30	4.771	235.8	51.83	23.14	29.37	0
8/3/20 13:45	4.978	254.4	19.49	23.08	29.37	0
8/3/20 14:00	5.419	246.1	24.06	23.52	29.36	0
8/3/20 14:15	5.244	232.4	43.77	24.05	29.36	0
8/3/20 14:30	5.114	237.4	22.34	24.36	29.36	0
8/3/20 14:45	5.869	289.1	27.26	24.95	29.36	0
8/3/20 15:00	5.617	268.4	33.34	24.88	29.36	0
8/3/20 15:15	5.244	264	22.13	25	29.36	0
8/3/20 15:30	5.498	318.4	20.53	25.21	29.36	0
8/3/20 15:45	6.823	313.1	15.62	25.29	29.36	0
8/3/20 16:00	5.281	336.5	40.33	25.17	29.34	0
8/3/20 16:15	6.095	309.4	16.24	24.72	29.34	0
8/3/20 16:30	7.476	300.1	13.23	25.15	29.34	0
8/3/20 16:45	6.225	315.9	15.61	25.03	29.34	0
8/3/20 17:00	6.89	326	14.91	25.14	29.31	0
8/3/20 17:15	8.5	300.2	11.96	25.16	29.31	0
8/3/20 17:30	7.332	298.2	12.28	25.07	29.31	0
8/3/20 17:45	7.797	312.1	10.14	24.91	29.31	0
8/3/20 18:00	7.777	300.8	12.16	24.76	29.32	0
8/3/20 18:15	8.93	295.5	7.745	24.17	29.32	0
8/3/20 18:30	9.75	301	6.488	23.45	29.32	0
8/3/20 18:45	10.1	305.8	6.296	23.1	29.32	0
8/3/20 19:00	8.72	313.6	7.203	22.42	29.3	0
8/3/20 19:15	8.56	315.7	5.618	22.16	29.3	0
8/3/20 19:30	8.82	315.5	4.771	21.79	29.3	0
8/3/20 19:45	9.48	314.3	6.786	21.43	29.3	0
8/3/20 20:00	8.32	311.4	5.735	21.21	29.3	0
8/3/20 20:15	7.665	332.8	15.79	20.66	29.3	0
8/3/20 20:30	8.99	2.264	8.83	20.86	29.3	0
8/3/20 20:45	8.42	11.87	8.39	20.33	29.3	0
8/3/20 21:00	11.57	18.62	8.51	20.3	29.3	0
8/3/20 21:15	9.38	14.66	7.526	20.27	29.3	0
8/3/20 21:30	8.99	15.48	12.76	19.77	29.3	0
8/3/20 21:45	7.763	14.73	12.21	19.36	29.3	0
8/3/20 22:00	6.217	10.72	12.17	19.23	29.3	0
8/3/20 22:15	9.12	26.29	10.58	19.13	29.3	0
8/3/20 22:30	6.609	37.36	16.05	18.88	29.3	0
8/3/20 22:45	5.539	39.57	16.3	18.83	29.3	0
8/3/20 23:00	4.45	46.81	25.7	18.69	29.32	0
8/3/20 23:15	4.77	28.42	24.55	18.46	29.32	0
8/3/20 23:30	6.51	4.077	17.83	18.29	29.32	0
8/3/20 23:45	6.683	355.5	19.14	18.18	29.32	0
8/4/20 0:00	8.84	9.86	15.76	18.02	29.31	0
8/4/20 0:15	7.143	18.63	10.51	17.73	29.31	0
8/4/20 0:30	7.774	24.95	11.51	17.34	29.31	0
8/4/20 0:45	8.77	24.17	6.75	17.19	29.31	0
8/4/20 1:00	7.777	19.86	7.835	17.09	29.3	0
8/4/20 1:15	8.39	12.7	8.6	17.34	29.3	0
8/4/20 1:30	5.931	14.32	11.34	17.6	29.3	0
8/4/20 1:45	4.965	7.324	13.93	17.89	29.3	0
8/4/20 2:00	5.839	4.556	10.74	17.6	29.29	0
8/4/20 2:15	6.045	358.5	14.17	17.68	29.29	0
8/4/20 2:30	5.921	5.123	8.02	17.57	29.29	0
8/4/20 2:45	7.237	14.69	8.73	16.97	29.29	0
8/4/20 3:00	8.92	19.57	3.796	16.34	29.29	0
8/4/20 3:15	8.32	19.88	3.279	16.24	29.29	0
8/4/20 3:30	8.85	23.16	4.267	16.11	29.29	0
8/4/20 3:45	10.63	5.91	16.11	16.75	29.29	0
8/4/20 4:00	5.004	12.29	17.9	16.69	29.3	0
8/4/20 4:15	0.796	283.4	27.38	16.37	29.3	0
8/4/20 4:30	0.683	11.52	40.22	15.87	29.3	0
8/4/20 4:45	0.42	7.853	24.77	15.27	29.3	0
8/4/20 5:00	0.964	32.7	0.299	15.02	29.28	0
8/4/20 5:15	1.29	199.1	20.8	15.17	29.28	0
8/4/20 5:30	2.242	200.2	8.31	15.34	29.28	0
8/4/20 5:45	1.327	153.3	15.56	15.1	29.28	0
8/4/20 6:00	0.88	105.9	19.12	15.67	29.3	0
8/4/20 6:15	2.051	188.6	10.98	15.98	29.3	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/4/20 6:30	1.554	141.8	50.61	16.31	29.3	0
8/4/20 6:45	1.048	52.76	13.59	16.97	29.3	0
8/4/20 7:00	1.79	143.5	25.34	17.24	29.31	0
8/4/20 7:15	1.619	145.9	19.16	17.55	29.31	0
8/4/20 7:30	2.298	86.6	30.94	18.06	29.31	0
8/4/20 7:45	2.199	60.82	22.68	18.33	29.31	0
8/4/20 8:00	2.287	20.91	39.98	18.52	29.32	0
8/4/20 8:15	2.413	351	21.69	18.79	29.32	0
8/4/20 8:30	2.281	359.5	65.13	19.13	29.32	0
8/4/20 8:45	2.75	354.9	36.02	19.4	29.32	0
8/4/20 9:00	4.43	317.5	25.73	19.82	29.29	0
8/4/20 9:15	4.514	321.1	27.09	20.28	29.29	0
8/4/20 9:30	4.235	336.6	27.49	20.64	29.29	0
8/4/20 9:45	3.178	24.1	36.16	21.2	29.29	0
8/4/20 10:00	4.035	303.4	42.31	21.28	29.29	0
8/4/20 10:15	3.504	296.2	38.35	22.23	29.29	0
8/4/20 10:30	4.437	278.3	28.89	22.03	29.29	0
8/4/20 10:45	6.628	271.3	19.81	22.08	29.29	0
8/4/20 11:00	6.625	266.1	23.18	22.29	29.27	0
8/4/20 11:15	7.618	278.9	17.24	23.12	29.27	0
8/4/20 11:30	7.495	302.2	37.69	23.63	29.27	0
8/4/20 11:45	8.83	315.5	15.59	24.24	29.27	0
8/4/20 12:00	9.88	314.9	12.13	24.46	29.27	0
8/4/20 12:15	8.58	314.6	12.44	24.31	29.27	0
8/4/20 12:30	7.778	316.7	16.78	24.65	29.27	0
8/4/20 12:45	8.94	299.6	17.94	25.06	29.27	0
8/4/20 13:00	8.89	317.3	17.72	25.28	29.24	0
8/4/20 13:15	8.78	320.7	22.38	25.38	29.24	0
8/4/20 13:30	8.48	316.6	13.34	25.55	29.24	0
8/4/20 13:45	6.419	329.6	28.29	25.73	29.24	0
8/4/20 14:00	5.357	333.1	33.12	25.95	29.24	0
8/4/20 14:15	6.384	342.5	29.48	25.98	29.24	0
8/4/20 14:30	7.849	312.6	14.46	26.07	29.24	0
8/4/20 14:45	6.057	317.9	19.81	26.5	29.24	0
8/4/20 15:00	7.272	332	31.37	26.67	29.22	0
8/4/20 15:15	7.004	323.3	34.68	26.95	29.22	0
8/4/20 15:30	7.836	308.2	23.76	26.78	29.22	0
8/4/20 15:45	8.15	331.3	19.62	26.71	29.22	0
8/4/20 16:00	8.35	307.6	16.93	26.81	29.19	0
8/4/20 16:15	8.58	312.6	18.94	26.84	29.19	0
8/4/20 16:30	8.55	307.5	11.87	26.76	29.19	0
8/4/20 16:45	8.51	316.8	9.01	26.73	29.19	0
8/4/20 17:00	8.24	316.1	9.44	26.58	29.18	0
8/4/20 17:15	8.47	338	19.31	26.56	29.18	0
8/4/20 17:30	8.7	326	12.03	26.37	29.18	0
8/4/20 17:45	8.48	319.9	7.149	26.19	29.18	0
8/4/20 18:00	8.53	328.1	19.47	25.94	29.16	0
8/4/20 18:15	9.31	317.7	5.229	25.6	29.16	0
8/4/20 18:30	8.75	321.6	6.325	25.4	29.16	0
8/4/20 18:45	8.5	319.5	5.45	25.04	29.16	0
8/4/20 19:00	7.053	309.8	5.657	24.56	29.17	0
8/4/20 19:15	7.127	310.6	3.776	23.92	29.17	0
8/4/20 19:30	7.408	309.1	3.99	23.32	29.17	0
8/4/20 19:45	8.29	317.2	3.1	22.63	29.17	0
8/4/20 20:00	8.37	328	7.153	22.24	29.16	0
8/4/20 20:15	7.181	332.7	11.15	22.18	29.16	0
8/4/20 20:30	4.746	348.1	11.66	21.94	29.16	0
8/4/20 20:45	5.027	3.803	12	21.74	29.16	0
8/4/20 21:00	6.304	9.32	10.59	21.27	29.16	0
8/4/20 21:15	7.28	8.33	16.5	21.21	29.16	0
8/4/20 21:30	9.56	11.64	15.44	20.87	29.16	0
8/4/20 21:45	10.73	12.94	14.41	20.48	29.16	0
8/4/20 22:00	10.95	13.58	11.96	20.16	29.16	0
8/4/20 22:15	10.12	16.46	15.09	19.85	29.16	0
8/4/20 22:30	9.26	20.53	14.85	19.76	29.16	0
8/4/20 22:45	8.67	22.39	12.3	19.57	29.16	0
8/4/20 23:00	9.71	17.42	15.97	19.5	29.16	0
8/4/20 23:15	8.49	22.59	14.5	19.37	29.16	0
8/4/20 23:30	6.409	29.84	10.85	18.97	29.16	0
8/4/20 23:45	7.003	39.39	9.22	18.45	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/5/20 0:00	7.337	39.07	9.37	18.58	29.15	0
8/5/20 0:15	7.133	38.87	8.35	18.53	29.15	0
8/5/20 0:30	6.697	35.82	11.98	18.59	29.15	0
8/5/20 0:45	6.743	28.4	8.12	18.18	29.15	0
8/5/20 1:00	4.995	28.84	9.58	17.82	29.14	0
8/5/20 1:15	4.551	42.19	10.95	17.59	29.14	0
8/5/20 1:30	4.023	40.59	6.963	17.74	29.14	0
8/5/20 1:45	2.397	57.69	13.01	17.94	29.14	0
8/5/20 2:00	3.454	47.54	14.96	18.33	29.15	0
8/5/20 2:15	2.723	71.15	28.54	17.76	29.15	0
8/5/20 2:30	3.414	163.4	19.43	17.29	29.15	0
8/5/20 2:45	3.561	174.8	7.747	17.29	29.15	0
8/5/20 3:00	3.279	151	5.92	17.32	29.14	0
8/5/20 3:15	3.324	165.9	19.37	17.89	29.14	0
8/5/20 3:30	3.317	179.6	7.079	17.97	29.14	0
8/5/20 3:45	3.663	191.8	6.243	17.4	29.14	0
8/5/20 4:00	4.943	195.3	5.589	17.08	29.14	0
8/5/20 4:15	4.06	189.4	10.2	16.3	29.14	0
8/5/20 4:30	2.512	201.7	20.81	15.97	29.14	0
8/5/20 4:45	0.185	266.4	10.51	15.49	29.14	0
8/5/20 5:00	1.121	101.6	4.861	15.33	29.16	0
8/5/20 5:15	1.852	115.2	5.378	15.35	29.16	0
8/5/20 5:30	1.999	86.6	12.34	14.87	29.16	0
8/5/20 5:45	1.276	79.26	8.21	15.47	29.16	0
8/5/20 6:00	0.934	153.3	13.46	16.51	29.15	0
8/5/20 6:15	1.051	143.2	18.88	17.3	29.15	0
8/5/20 6:30	1.864	147.4	19.51	17.2	29.15	0
8/5/20 6:45	3.451	178.2	9.23	17.1	29.15	0
8/5/20 7:00	3.948	180.7	13.01	17.13	29.16	0
8/5/20 7:15	5.086	199.3	9.31	17.34	29.16	0
8/5/20 7:30	5.169	197.5	8.97	17.4	29.16	0
8/5/20 7:45	4.143	188.3	13.58	17.97	29.16	0
8/5/20 8:00	3.672	185.7	21.97	18.63	29.16	0
8/5/20 8:15	4.279	186.6	17.97	19.1	29.16	0
8/5/20 8:30	3.389	192.5	27.07	19.15	29.16	0
8/5/20 8:45	2.617	233.8	28.96	19.53	29.16	0
8/5/20 9:00	3.329	212.6	44.54	19.94	29.17	0
8/5/20 9:15	2.474	202	41.39	20.7	29.17	0
8/5/20 9:30	4.575	234.3	36.91	20.8	29.17	0
8/5/20 9:45	4.61	276.1	20.62	21.04	29.17	0
8/5/20 10:00	4.841	267.3	22.21	21.2	29.16	0
8/5/20 10:15	4.116	216.3	36.47	21.84	29.16	0
8/5/20 10:30	4.528	259.9	19.14	22.16	29.16	0
8/5/20 10:45	3.974	245.1	22.92	22.37	29.16	0
8/5/20 11:00	4.379	296.1	19.08	22.64	29.13	0
8/5/20 11:15	4.985	270.7	31.33	23	29.13	0
8/5/20 11:30	4.383	293.2	40.3	23.36	29.13	0
8/5/20 11:45	4.042	254.6	26.93	23.75	29.13	0
8/5/20 12:00	4.857	236	22.98	23.83	29.11	0
8/5/20 12:15	5.302	230.5	24.99	23.99	29.11	0
8/5/20 12:30	5.893	256.9	33.1	24.44	29.11	0
8/5/20 12:45	7.208	265.8	35.15	24.73	29.11	0
8/5/20 13:00	7.396	246.5	23.94	24.81	29.11	0
8/5/20 13:15	7.5	250.3	15.41	25.26	29.11	0
8/5/20 13:30	6.406	237.3	20.9	25.23	29.11	0
8/5/20 13:45	6.455	238.3	29.14	25.43	29.11	0
8/5/20 14:00	6.231	241.6	31.64	26.04	29.07	0
8/5/20 14:15	6.934	241.4	29.73	25.68	29.07	0
8/5/20 14:30	5.272	274.3	25.86	26.22	29.07	0
8/5/20 14:45	9.04	266.7	12.13	26.03	29.07	0
8/5/20 15:00	9.58	264.9	10.05	26.05	29.07	0
8/5/20 15:15	8.91	275.3	15.38	26.02	29.07	0
8/5/20 15:30	9.3	275.9	9.42	26.1	29.07	0
8/5/20 15:45	9.43	259.4	13.27	26.27	29.07	0
8/5/20 16:00	8.73	273.8	16.28	26.09	29.07	0
8/5/20 16:15	9.06	274.3	18.42	25.91	29.07	0
8/5/20 16:30	8.17	244.4	17.23	25.69	29.07	0
8/5/20 16:45	8.6	255.5	20.57	25.92	29.07	0
8/5/20 17:00	9.75	232.6	9.88	25.61	29.05	0
8/5/20 17:15	7.479	250.7	15.76	25.62	29.05	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/5/20 17:30	7.496	256.2	22.45	25.47	29.05	0
8/5/20 17:45	8.17	269.3	19.12	25.22	29.05	0
8/5/20 18:00	8.82	238.3	9.23	25.1	29.02	0
8/5/20 18:15	8.03	241.1	8.35	24.82	29.02	0
8/5/20 18:30	8.41	234.5	7.687	24.53	29.02	0
8/5/20 18:45	9	231.5	6.008	24.23	29.02	0
8/5/20 19:00	8.71	241.7	8.16	23.91	29.03	0
8/5/20 19:15	9.41	246.8	5.939	23.19	29.03	0
8/5/20 19:30	11.93	248.2	6.68	22.33	29.03	0
8/5/20 19:45	12.41	247.2	6.911	21.56	29.03	0
8/5/20 20:00	12.86	249.9	7.976	20.85	29.05	0
8/5/20 20:15	11.41	252.7	7.473	20.21	29.05	0
8/5/20 20:30	8.33	261.7	8.18	19.63	29.05	0
8/5/20 20:45	7.84	259.6	9.8	18.96	29.05	0
8/5/20 21:00	7.352	248.8	7.288	18.39	29.07	0
8/5/20 21:15	7.817	248.6	8.2	17.85	29.07	0
8/5/20 21:30	4.935	253	13.64	17.7	29.07	0
8/5/20 21:45	4.189	246.5	11.88	17.5	29.07	0
8/5/20 22:00	6.462	217.9	11.76	17.34	29.09	0
8/5/20 22:15	5.886	222.1	4.632	16.94	29.09	0
8/5/20 22:30	6.128	212.1	7.552	16.73	29.09	0
8/5/20 22:45	8.59	222.9	8.55	16.53	29.09	0
8/5/20 23:00	8.51	214.6	14.67	16.18	29.09	0
8/5/20 23:15	6.306	180.6	9.36	15.57	29.09	0
8/5/20 23:30	6.365	164	13.99	15	29.09	0
8/5/20 23:45	7.528	154.1	5.684	14.93	29.09	0
8/6/20 0:00	7.461	169.8	15.14	14.92	29.06	0
8/6/20 0:15	6.191	161.2	14.03	14.71	29.06	0
8/6/20 0:30	7.511	153.2	5.292	14.37	29.06	0
8/6/20 0:45	7.394	148.4	4.888	14.39	29.06	0
8/6/20 1:00	8.19	147.4	4.889	14.58	29.09	0
8/6/20 1:15	8.36	147.5	6.471	14.63	29.09	0
8/6/20 1:30	7.446	145	6.515	14.46	29.09	0
8/6/20 1:45	6.854	138.9	8.6	14.51	29.09	0
8/6/20 2:00	7.34	146.5	6.681	14.58	29.05	0
8/6/20 2:15	6.93	138.9	9.29	14.68	29.05	0
8/6/20 2:30	7.442	142.1	8.64	14.76	29.05	0
8/6/20 2:45	8.3	149	7.881	14.84	29.05	0
8/6/20 3:00	8.11	143.5	7.683	14.84	29.07	0
8/6/20 3:15	7.799	143.2	5.925	14.84	29.07	0
8/6/20 3:30	6.863	138.1	5.322	14.87	29.07	0
8/6/20 3:45	6.93	142.9	7.244	14.92	29.07	0
8/6/20 4:00	7.303	134.6	6.872	14.91	29.04	0
8/6/20 4:15	8.16	137.6	6.709	14.79	29.04	0
8/6/20 4:30	7.795	134.9	7.493	14.23	29.04	0
8/6/20 4:45	5.911	124.5	9.59	14.17	29.04	0
8/6/20 5:00	5.003	122.7	11.28	14.43	29.05	0
8/6/20 5:15	5.419	124.7	8.98	14.75	29.05	0
8/6/20 5:30	5.449	126.2	8.13	14.96	29.05	0
8/6/20 5:45	5.129	135.6	9.98	15.16	29.05	0
8/6/20 6:00	6.09	131.4	11.06	15.42	29.03	0
8/6/20 6:15	6.381	137.5	6.227	15.34	29.03	0
8/6/20 6:30	5.8	138.1	15.31	14.61	29.03	0
8/6/20 6:45	5.449	154.9	11.47	14.33	29.03	0
8/6/20 7:00	7	166.5	8.58	14.17	29.07	0.01
8/6/20 7:15	6.967	158.3	13.77	14	29.07	0.01
8/6/20 7:30	7.018	140	10.36	14.02	29.07	0
8/6/20 7:45	7.86	154.9	14.38	14.16	29.07	0.01
8/6/20 8:00	7.31	147.3	11.57	14.27	29.07	0
8/6/20 8:15	6.779	139.2	10.28	14.33	29.07	0.01
8/6/20 8:30	6.954	138.4	8.83	14.36	29.07	0.01
8/6/20 8:45	7.03	137.3	7.466	14.41	29.07	0.02
8/6/20 9:00	6.24	131.6	9.69	14.53	29.1	0.01
8/6/20 9:15	7.493	166	12.55	14.78	29.1	0.01
8/6/20 9:30	6.534	164.3	10.63	14.99	29.1	0
8/6/20 9:45	4.213	165	21.59	15.29	29.1	0
8/6/20 10:00	3.884	140.1	60.95	15.41	29.12	0
8/6/20 10:15	8.91	19.43	10.31	13.16	29.12	0
8/6/20 10:30	10.08	15.62	10.49	12.57	29.12	0
8/6/20 10:45	8.4	33.29	16.03	12.54	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/6/20 11:00	3.876	21.14	42.9	12.86	29.15	0
8/6/20 11:15	8.22	22.74	7.94	13.37	29.15	0
8/6/20 11:30	11.56	17.35	10.64	13.63	29.15	0
8/6/20 11:45	11.38	13.76	11.09	14.2	29.15	0
8/6/20 12:00	10.14	16.69	9.69	14.42	29.14	0
8/6/20 12:15	10.88	18.93	14.11	15.33	29.14	0
8/6/20 12:30	10.4	16.37	12.07	15.81	29.14	0
8/6/20 12:45	12.87	12.98	12.41	16.23	29.14	0
8/6/20 13:00	11.63	14.1	13.78	15.55	29.17	0
8/6/20 13:15	11.51	5.854	10.7	15.05	29.17	0
8/6/20 13:30	11.92	10.19	13.1	15.38	29.17	0
8/6/20 13:45	10.73	28.16	13.03	16.01	29.17	0
8/6/20 14:00	9.58	32.61	10.97	16.15	29.18	0
8/6/20 14:15	10.43	20.24	11.43	15.99	29.18	0
8/6/20 14:30	10.2	11.85	14.49	15.77	29.18	0
8/6/20 14:45	12.19	1.348	11.55	15.48	29.18	0
8/6/20 15:00	12.13	5.011	12.56	15.02	29.19	0
8/6/20 15:15	8.79	8.13	17.54	15.08	29.19	0
8/6/20 15:30	9.02	6.757	15.86	15.19	29.19	0
8/6/20 15:45	7.185	2.586	14.78	15.23	29.19	0
8/6/20 16:00	8.88	7.507	11.02	15.04	29.22	0
8/6/20 16:15	12.66	7.491	17.65	14.79	29.22	0
8/6/20 16:30	12.14	16.94	13.09	14.74	29.22	0
8/6/20 16:45	8.34	21.38	14.76	14.59	29.22	0
8/6/20 17:00	10.12	21.81	13.8	14.7	29.23	0
8/6/20 17:15	9.52	15.22	15.24	14.7	29.23	0
8/6/20 17:30	9.1	14.68	12.33	14.61	29.23	0
8/6/20 17:45	10.18	7.569	14.54	14.44	29.23	0
8/6/20 18:00	10.8	17.54	14.36	14.24	29.22	0
8/6/20 18:15	8.17	22.24	12.74	14.13	29.22	0
8/6/20 18:30	8.91	22.41	9.01	14.02	29.22	0
8/6/20 18:45	8.44	31.59	7.887	13.97	29.22	0
8/6/20 19:00	6.333	28.1	7.881	13.86	29.25	0
8/6/20 19:15	5.329	23.27	5.133	13.77	29.25	0
8/6/20 19:30	2.948	19.54	4.616	13.6	29.25	0
8/6/20 19:45	3.012	36.72	3.187	13.69	29.25	0
8/6/20 20:00	2.583	19.68	8.58	13.48	29.24	0
8/6/20 20:15	2.302	35.76	4.036	13.19	29.24	0
8/6/20 20:30	0.607	55.14	15.92	13.29	29.24	0
8/6/20 20:45	2.245	158.9	12.35	13.9	29.24	0
8/6/20 21:00	1.71	110.2	8.66	13.83	29.27	0
8/6/20 21:15	2.631	120	13.19	13.59	29.27	0
8/6/20 21:30	1.589	124.6	7.096	13.49	29.27	0
8/6/20 21:45	2.438	156.7	14.05	13.48	29.27	0
8/6/20 22:00	3.176	161.8	15.5	13.35	29.28	0
8/6/20 22:15	1.722	113.3	9.97	13.3	29.28	0
8/6/20 22:30	1.477	127.7	8.99	13.55	29.28	0
8/6/20 22:45	4.857	171.5	13.52	13.89	29.28	0
8/6/20 23:00	6.262	191.6	7.954	14.17	29.3	0
8/6/20 23:15	5.93	193.8	6.432	14.1	29.3	0
8/6/20 23:30	5.414	175.4	10.58	14.08	29.3	0
8/6/20 23:45	3.53	176.7	11.15	14.06	29.3	0
8/7/20 0:00	2.797	163.9	11.61	14.03	29.31	0
8/7/20 0:15	2.767	127.7	12.17	13.76	29.31	0
8/7/20 0:30	4.568	115.8	13.23	13.61	29.31	0
8/7/20 0:45	7.073	144.6	8.76	13.71	29.31	0
8/7/20 1:00	7.17	145.2	8.69	13.61	29.31	0
8/7/20 1:15	6.604	155.6	10.35	13.77	29.31	0
8/7/20 1:30	5.889	138.5	9.39	13.68	29.31	0
8/7/20 1:45	5.12	128.6	9.75	13.75	29.31	0
8/7/20 2:00	5.076	123.5	11.89	13.78	29.32	0
8/7/20 2:15	5.279	133.1	12.4	13.8	29.32	0
8/7/20 2:30	5.037	128.8	7.383	13.73	29.32	0
8/7/20 2:45	5.27	137.8	6.748	13.69	29.32	0
8/7/20 3:00	4.789	134.9	7.951	13.64	29.33	0
8/7/20 3:15	3.786	128.7	8.08	13.62	29.33	0
8/7/20 3:30	3.448	125.1	5.803	13.58	29.33	0
8/7/20 3:45	4.252	126.4	8.8	13.6	29.33	0
8/7/20 4:00	4.104	128.7	7.327	13.61	29.34	0
8/7/20 4:15	4.186	129.5	7.657	13.53	29.34	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/7/20 4:30	4.784	132.9	9.83	13.57	29.34	0
8/7/20 4:45	4.126	137.7	5.798	13.49	29.34	0
8/7/20 5:00	4.512	143.3	7.042	13.47	29.35	0
8/7/20 5:15	3.697	139.5	8.81	13.46	29.35	0
8/7/20 5:30	2.63	142	15.49	13.62	29.35	0
8/7/20 5:45	2.566	147.7	19.03	13.73	29.35	0
8/7/20 6:00	3.145	161.6	21.4	13.87	29.36	0
8/7/20 6:15	2.452	161	10.82	13.71	29.36	0
8/7/20 6:30	4.092	159.5	13.89	13.82	29.36	0
8/7/20 6:45	4.724	154.2	15.07	14.25	29.36	0
8/7/20 7:00	5.099	166.8	17.49	14.75	29.35	0
8/7/20 7:15	4.433	169.4	24.14	14.78	29.35	0
8/7/20 7:30	5.44	155.2	20.82	14.93	29.35	0
8/7/20 7:45	6.06	185.9	10.81	14.86	29.35	0
8/7/20 8:00	6.348	173.6	15.95	15.28	29.37	0
8/7/20 8:15	6.616	166.8	20.67	15.49	29.37	0
8/7/20 8:30	7.102	187.7	10.17	15.42	29.37	0
8/7/20 8:45	8.54	154.4	24.56	16.57	29.37	0
8/7/20 9:00	7.515	157.1	14.92	16.19	29.37	0
8/7/20 9:15	5.654	184.3	30.34	16.54	29.37	0
8/7/20 9:30	6.202	184.5	17.36	16.63	29.37	0
8/7/20 9:45	6.405	199.1	20.2	16.68	29.37	0
8/7/20 10:00	6.347	186.4	22.49	17.44	29.38	0
8/7/20 10:15	6.425	205.7	21.32	17.92	29.38	0
8/7/20 10:30	5.281	167.8	40.86	18.96	29.38	0
8/7/20 10:45	6.9	219.1	17.93	18.44	29.38	0
8/7/20 11:00	5.605	170.8	24.5	19.16	29.38	0
8/7/20 11:15	5.734	143.8	31.46	19.36	29.38	0
8/7/20 11:30	6.943	218.1	25.94	19.02	29.38	0
8/7/20 11:45	5.726	228.9	18.01	18.98	29.38	0
8/7/20 12:00	3.738	197.9	37.02	19.87	29.35	0
8/7/20 12:15	4.492	268	40.99	19.48	29.35	0
8/7/20 12:30	5.422	242.4	30.38	20.3	29.35	0
8/7/20 12:45	7.229	240.4	25.56	20.56	29.35	0
8/7/20 13:00	4.52	247.1	32.7	20.3	29.35	0
8/7/20 13:15	4.888	257.2	42.98	20.63	29.35	0
8/7/20 13:30	6.391	202.3	31.45	21.1	29.35	0
8/7/20 13:45	6.229	263.8	52.22	20.58	29.35	0
8/7/20 14:00	6.105	261.9	40.18	21.27	29.35	0
8/7/20 14:15	7.883	240.6	19.3	21.26	29.35	0
8/7/20 14:30	6.583	236.1	23.47	21.34	29.35	0
8/7/20 14:45	7.373	232.3	30.18	21.48	29.35	0
8/7/20 15:00	5.899	202.3	21.7	21.66	29.35	0
8/7/20 15:15	5.996	223	25.31	21.85	29.35	0
8/7/20 15:30	7.258	213.1	20.47	21.9	29.35	0
8/7/20 15:45	6.077	257.2	35.22	21.68	29.35	0
8/7/20 16:00	2.46	243.8	57.96	21.99	29.32	0
8/7/20 16:15	6.391	256	30.86	22.25	29.32	0
8/7/20 16:30	3.4	280.4	35.18	22.18	29.32	0
8/7/20 16:45	4.86	269.1	29.28	22.26	29.32	0
8/7/20 17:00	2.403	309.7	39.46	21.93	29.32	0
8/7/20 17:15	3.672	263.9	24.47	22.01	29.32	0
8/7/20 17:30	5.036	280.9	15.3	21.66	29.32	0
8/7/20 17:45	6.114	302	20.71	21.44	29.32	0
8/7/20 18:00	5.124	324.6	13.05	21.13	29.3	0
8/7/20 18:15	4.533	9.68	14.86	20.97	29.3	0
8/7/20 18:30	4.202	15.95	10.54	20.36	29.3	0
8/7/20 18:45	4.603	16.65	7.532	20.15	29.3	0
8/7/20 19:00	4.323	4.281	9.61	20.09	29.32	0
8/7/20 19:15	3.309	346.9	7.239	20.16	29.32	0
8/7/20 19:30	3.593	343.4	8.51	19.87	29.32	0
8/7/20 19:45	3.067	353	8.83	19.69	29.32	0
8/7/20 20:00	4.969	345.7	14.57	19.28	29.31	0
8/7/20 20:15	5.924	352.1	19.72	18.45	29.31	0
8/7/20 20:30	9.34	358.9	15.46	17.99	29.31	0
8/7/20 20:45	6.093	356.1	20.49	17.66	29.31	0
8/7/20 21:00	5.843	0.988	15.89	17.44	29.32	0
8/7/20 21:15	6.559	2.554	16.9	17.17	29.32	0
8/7/20 21:30	5.676	7.62	12.06	16.82	29.32	0
8/7/20 21:45	3.054	274.4	27.13	16.6	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/7/20 22:00	4.566	287.8	6.999	16.21	29.32	0
8/7/20 22:15	4.77	295.2	5.938	15.99	29.32	0
8/7/20 22:30	4.032	313.3	5.659	15.8	29.32	0
8/7/20 22:45	0.718	352.2	18.81	15.57	29.32	0
8/7/20 23:00	2.948	31.49	6.446	15.53	29.33	0
8/7/20 23:15	3.558	23.64	8.82	15.4	29.33	0
8/7/20 23:30	3.75	23.67	6.458	15.36	29.33	0
8/7/20 23:45	4.561	88.3	39.39	15.3	29.33	0
8/8/20 0:00	3.908	135.3	6.416	15.32	29.32	0
8/8/20 0:15	3.557	131.4	4.152	15.35	29.32	0
8/8/20 0:30	3.72	124.5	5.922	15.46	29.32	0
8/8/20 0:45	3.401	130.1	7.903	15.53	29.32	0
8/8/20 1:00	2.83	125.6	6.745	15.51	29.3	0
8/8/20 1:15	1.969	158.2	14.82	15.68	29.3	0
8/8/20 1:30	1.411	139.5	15.72	15.64	29.3	0
8/8/20 1:45	0.345	152	6.701	15.64	29.3	0
8/8/20 2:00	0.031	104.9	0.272	15.57	29.32	0
8/8/20 2:15	0	0	0	15.65	29.32	0
8/8/20 2:30	1.611	302.7	8.04	15.44	29.32	0
8/8/20 2:45	2.062	305	11.83	15.13	29.32	0
8/8/20 3:00	0.518	338.8	18.08	15.27	29.33	0
8/8/20 3:15	0.918	29.29	0.906	14.87	29.33	0
8/8/20 3:30	1.56	292.8	59.19	15.1	29.33	0
8/8/20 3:45	3.392	254.5	4.571	14.95	29.33	0
8/8/20 4:00	4.958	249.7	6.615	14.93	29.31	0
8/8/20 4:15	4.339	246.3	4.946	15.03	29.31	0
8/8/20 4:30	4.462	237.2	7.658	15.08	29.31	0
8/8/20 4:45	4.998	232.6	10.61	14.95	29.31	0
8/8/20 5:00	3.034	198.6	17.39	14.96	29.34	0
8/8/20 5:15	3.47	175.5	5.041	14.87	29.34	0
8/8/20 5:30	4.35	175.4	4.035	14.81	29.34	0
8/8/20 5:45	4.947	174.1	9.08	14.77	29.34	0
8/8/20 6:00	4.091	182.4	5.44	14.76	29.35	0
8/8/20 6:15	4.199	178	6.648	14.73	29.35	0
8/8/20 6:30	4.026	202.6	12.21	14.87	29.35	0
8/8/20 6:45	4.532	228.8	11.04	14.6	29.35	0
8/8/20 7:00	4.03	239	14.1	14.13	29.36	0
8/8/20 7:15	2.072	267.8	13.74	13.97	29.36	0
8/8/20 7:30	2.484	264.8	15.17	13.91	29.36	0
8/8/20 7:45	3.327	245.9	13.74	13.83	29.36	0
8/8/20 8:00	3.505	239.4	16.64	13.7	29.37	0.01
8/8/20 8:15	2.698	209	19.36	13.7	29.37	0
8/8/20 8:30	2.583	222.1	16.19	13.66	29.37	0.01
8/8/20 8:45	2.366	204.8	17.45	13.74	29.37	0
8/8/20 9:00	4.125	208.2	12.83	13.68	29.39	0
8/8/20 9:15	3.785	173.7	8.55	13.54	29.39	0.01
8/8/20 9:30	4.09	174.6	8.07	13.67	29.39	0
8/8/20 9:45	3.473	176.8	7.918	13.7	29.39	0
8/8/20 10:00	3.046	212.3	31.47	13.89	29.39	0.01
8/8/20 10:15	2.98	194.6	14.73	13.86	29.39	0
8/8/20 10:30	2.36	213.1	18.11	13.85	29.39	0.01
8/8/20 10:45	3.61	215.5	8.99	13.92	29.39	0.01
8/8/20 11:00	3.221	198.8	12.77	14.13	29.39	0
8/8/20 11:15	3.518	211.7	18.76	14.4	29.39	0
8/8/20 11:30	2.88	223.6	30.11	14.67	29.39	0
8/8/20 11:45	2.456	262.9	26.3	14.64	29.39	0
8/8/20 12:00	3.391	333	20.79	14.47	29.41	0
8/8/20 12:15	2.164	322.7	22.08	14.65	29.41	0
8/8/20 12:30	2.894	32.05	19.13	14.72	29.41	0.01
8/8/20 12:45	3.757	46.05	15.74	14.67	29.41	0
8/8/20 13:00	4.965	29.06	9.21	14.86	29.41	0
8/8/20 13:15	4.168	26.02	10.23	15.03	29.41	0
8/8/20 13:30	4.886	20.58	10.49	15.14	29.41	0
8/8/20 13:45	3.998	358.3	13.25	15.24	29.41	0
8/8/20 14:00	3.505	3.025	11.82	15.82	29.41	0
8/8/20 14:15	3.08	9.56	20.1	16.4	29.41	0
8/8/20 14:30	2.128	0.946	43.67	16.66	29.41	0
8/8/20 14:45	3.838	341.9	27.46	16.96	29.41	0
8/8/20 15:00	4.124	28.86	14.28	16.83	29.41	0
8/8/20 15:15	5.704	28.37	10.8	16.91	29.41	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/8/20 15:30	5.314	27.91	15.15	17.15	29.41	0
8/8/20 15:45	4.85	25.24	15.36	17.83	29.41	0
8/8/20 16:00	3.388	23.61	13.51	17.44	29.41	0
8/8/20 16:15	5.372	11.61	14.97	17.77	29.41	0
8/8/20 16:30	5.376	21.22	12.59	17.73	29.41	0
8/8/20 16:45	6.917	2.711	17.6	18.22	29.41	0
8/8/20 17:00	6.949	4.84	18.9	18.14	29.4	0
8/8/20 17:15	6.422	7.681	8.76	17.59	29.4	0
8/8/20 17:30	3.871	345.7	12.87	17.96	29.4	0
8/8/20 17:45	5.36	336	11.79	18.25	29.4	0
8/8/20 18:00	5.175	351.3	14.13	18.48	29.4	0
8/8/20 18:15	3.089	337.3	26.12	18.53	29.4	0
8/8/20 18:30	3.48	357.9	12.38	18.33	29.4	0
8/8/20 18:45	3.836	344.4	16.44	18.1	29.4	0
8/8/20 19:00	3.176	14.44	19.35	17.23	29.39	0
8/8/20 19:15	3.198	341	14.61	16.8	29.39	0
8/8/20 19:30	2.581	345.6	3.988	16.34	29.39	0
8/8/20 19:45	4.113	340.1	13.29	15.72	29.39	0
8/8/20 20:00	4.194	338.2	15.99	15.48	29.4	0
8/8/20 20:15	4.647	342.7	18.38	15.45	29.4	0
8/8/20 20:30	4.869	359.2	14.67	15.13	29.4	0
8/8/20 20:45	4.101	5.05	11.76	14.79	29.4	0
8/8/20 21:00	4.338	14.56	6.125	14.63	29.39	0
8/8/20 21:15	4.405	17.65	8.58	14.61	29.39	0
8/8/20 21:30	3.755	28.16	7.54	14.51	29.39	0
8/8/20 21:45	2.868	24.85	8.82	14.41	29.39	0
8/8/20 22:00	3.629	16.7	4.094	14.32	29.41	0
8/8/20 22:15	6.025	18.28	3.251	13.64	29.41	0
8/8/20 22:30	5.389	6.679	9.88	14.32	29.41	0
8/8/20 22:45	3.704	19.9	14.16	14.69	29.41	0
8/8/20 23:00	1.794	7.938	22.42	14.44	29.42	0
8/8/20 23:15	2.229	5.266	31.82	14.36	29.42	0
8/8/20 23:30	5.539	19.67	16.15	13.55	29.42	0
8/8/20 23:45	7.044	357.5	15.84	13.12	29.42	0
8/9/20 0:00	5.252	355.8	11.43	13.11	29.41	0
8/9/20 0:15	7.839	5.42	10.22	12.76	29.41	0
8/9/20 0:30	8.51	9.99	6.452	12.64	29.41	0
8/9/20 0:45	7.321	10.12	5.599	12.65	29.41	0
8/9/20 1:00	6.827	21.01	5.593	12.64	29.4	0
8/9/20 1:15	6.337	22.72	5.732	13.03	29.4	0
8/9/20 1:30	4.006	18.43	8.23	13.28	29.4	0
8/9/20 1:45	4.382	21.04	6.251	13.28	29.4	0
8/9/20 2:00	3.143	19.47	15.4	13.51	29.42	0
8/9/20 2:15	1.365	9.04	19.88	13.3	29.42	0
8/9/20 2:30	2.261	350.2	12.83	13.13	29.42	0
8/9/20 2:45	3.642	354.6	15.87	13.29	29.42	0
8/9/20 3:00	2.834	340.8	21.81	13.25	29.44	0
8/9/20 3:15	2.387	327	11.95	13.18	29.44	0
8/9/20 3:30	1.804	336.3	13.14	12.77	29.44	0
8/9/20 3:45	2.004	329.1	20.62	12.7	29.44	0
8/9/20 4:00	2.102	333.8	16.1	12.6	29.41	0
8/9/20 4:15	1.86	337.8	19.78	12.49	29.41	0
8/9/20 4:30	1.042	333.4	17.36	12.51	29.41	0
8/9/20 4:45	0.37	17.35	8.55	12.26	29.41	0
8/9/20 5:00	0.271	0.7	11.5	12.32	29.45	0
8/9/20 5:15	0.704	310.7	13.46	12.56	29.45	0
8/9/20 5:30	1.002	327.2	21.82	12.68	29.45	0
8/9/20 5:45	0.088	2.684	0.722	12.97	29.45	0
8/9/20 6:00	0.045	47.1	3.45	14.3	29.44	0
8/9/20 6:15	1.095	20.73	11.84	13.96	29.44	0
8/9/20 6:30	0.571	356.4	8.91	14.08	29.44	0
8/9/20 6:45	0.992	62.53	13.91	14.18	29.44	0
8/9/20 7:00	1.456	23.67	14.61	14.76	29.46	0
8/9/20 7:15	1.072	46.9	15.41	15.01	29.46	0
8/9/20 7:30	2.197	23.81	12.33	14.59	29.46	0
8/9/20 7:45	1.254	31.5	13.43	14.74	29.46	0
8/9/20 8:00	1.493	15.45	35.36	15.82	29.47	0
8/9/20 8:15	2.295	15.75	22.53	15.38	29.47	0
8/9/20 8:30	2.494	350.8	22.36	16.07	29.47	0
8/9/20 8:45	1.178	322.3	41.29	16.5	29.47	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/9/20 9:00	2.165	321.4	40.86	17.32	29.45	0
8/9/20 9:15	2.796	348.6	38.35	17.83	29.45	0
8/9/20 9:30	4.682	13.06	15.81	17.97	29.45	0
8/9/20 9:45	7.004	11.56	9.47	18.25	29.45	0
8/9/20 10:00	7.142	359.1	17.95	18.93	29.47	0
8/9/20 10:15	7.852	3.768	17.02	19.44	29.47	0
8/9/20 10:30	8.9	4.475	11.62	19.76	29.47	0
8/9/20 10:45	9.61	8.26	12.31	19.74	29.47	0
8/9/20 11:00	8.28	9.93	12.68	20	29.46	0
8/9/20 11:15	9.2	15.07	12.39	20.14	29.46	0
8/9/20 11:30	9.34	7.658	13.74	20.77	29.46	0
8/9/20 11:45	10.61	347.1	22.98	20.7	29.46	0
8/9/20 12:00	11.9	325.9	26.71	21.12	29.47	0
8/9/20 12:15	10.55	319.7	19.34	21.44	29.47	0
8/9/20 12:30	10.04	329	35.76	21.81	29.47	0
8/9/20 12:45	11.01	308.4	17.32	22.08	29.47	0
8/9/20 13:00	10.13	311.9	18.86	22.39	29.44	0
8/9/20 13:15	11.83	302.8	16.09	22.69	29.44	0
8/9/20 13:30	11.36	303	12.78	22.45	29.44	0
8/9/20 13:45	8.29	340.6	33.74	22.68	29.44	0
8/9/20 14:00	11.54	307.3	14.43	22.69	29.45	0
8/9/20 14:15	11.75	303.1	19.25	23.07	29.45	0
8/9/20 14:30	10.12	308.1	20.45	23.14	29.45	0
8/9/20 14:45	10.09	323.6	24.78	23.25	29.45	0
8/9/20 15:00	10.12	313.2	19.67	23.47	29.42	0
8/9/20 15:15	9.19	315.4	18.53	23.46	29.42	0
8/9/20 15:30	10.43	313.8	22.31	23.54	29.42	0
8/9/20 15:45	9.7	324.1	13.34	23.24	29.42	0
8/9/20 16:00	9.84	336.5	22.88	23.21	29.42	0
8/9/20 16:15	11.28	317.3	17.24	23.31	29.42	0
8/9/20 16:30	8.55	328	23.07	23.46	29.42	0
8/9/20 16:45	8.14	336.6	27.73	23.39	29.42	0
8/9/20 17:00	7.084	331.1	22.64	23.24	29.41	0
8/9/20 17:15	9.4	323.2	23.96	23.08	29.41	0
8/9/20 17:30	10.88	308.6	12.16	22.85	29.41	0
8/9/20 17:45	10.78	306.2	8.92	22.54	29.41	0
8/9/20 18:00	9.08	308.6	6.958	22.4	29.41	0
8/9/20 18:15	7.087	316.6	10.55	22.32	29.41	0
8/9/20 18:30	9.24	310.2	6.215	21.87	29.41	0
8/9/20 18:45	9.62	315.2	7.536	21.46	29.41	0
8/9/20 19:00	8.46	317.9	6.433	21.12	29.4	0
8/9/20 19:15	8.76	328.4	6.108	20.82	29.4	0
8/9/20 19:30	9.18	340	4.41	20.19	29.4	0
8/9/20 19:45	8.86	339.6	6.11	19.86	29.4	0
8/9/20 20:00	3.27	24.3	38.38	19.35	29.41	0
8/9/20 20:15	2.545	74.64	8.81	18.39	29.41	0
8/9/20 20:30	3.864	47.03	9.31	18.55	29.41	0
8/9/20 20:45	2.056	27.09	7.95	18.03	29.41	0
8/9/20 21:00	1.767	322.4	10.54	18.28	29.41	0
8/9/20 21:15	4.066	335.1	5.81	18.65	29.41	0
8/9/20 21:30	2.592	1.135	19.55	17.7	29.41	0
8/9/20 21:45	4.336	11.63	9.7	16.38	29.41	0
8/9/20 22:00	5.204	22.1	10.42	15.86	29.4	0
8/9/20 22:15	4.617	18.29	7.648	15.86	29.4	0
8/9/20 22:30	3.074	20.9	5.788	16.03	29.4	0
8/9/20 22:45	3.89	22.46	5.71	15.88	29.4	0
8/9/20 23:00	6.592	14.81	5.169	16.02	29.41	0
8/9/20 23:15	6.213	14.98	4.806	16.06	29.41	0
8/9/20 23:30	5.275	18.15	6.402	15.75	29.41	0
8/9/20 23:45	4.425	24.99	9.79	15.2	29.41	0
8/10/20 0:00	2.393	59.3	17.96	15.13	29.37	0
8/10/20 0:15	2.647	90	14.76	15.21	29.37	0
8/10/20 0:30	3.072	95.2	21.44	16.14	29.37	0
8/10/20 0:45	1.869	113.9	18.36	16.25	29.37	0
8/10/20 1:00	1.674	112.2	8.18	15.6	29.37	0
8/10/20 1:15	1.793	119.4	19.31	15.98	29.37	0
8/10/20 1:30	1.142	327.8	19.94	15.29	29.37	0
8/10/20 1:45	1.288	16.69	3.839	15.01	29.37	0
8/10/20 2:00	0.955	22.72	6.997	14.65	29.36	0
8/10/20 2:15	0.351	1.638	7.97	14.39	29.36	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/10/20 2:30	0.971	2.295	9.16	14.02	29.36	0
8/10/20 2:45	0.227	358.8	4.61	14.19	29.36	0
8/10/20 3:00	0.907	5.279	1.212	14.11	29.36	0
8/10/20 3:15	1.828	7.464	0.858	13.57	29.36	0
8/10/20 3:30	2.748	20.39	9.85	14.02	29.36	0
8/10/20 3:45	3.54	24.78	2.035	13.45	29.36	0
8/10/20 4:00	3.777	35.36	5.069	13.27	29.35	0
8/10/20 4:15	2.475	33.32	6.086	13.72	29.35	0
8/10/20 4:30	3.008	1.193	7.586	14.54	29.35	0
8/10/20 4:45	2.911	6.62	10.31	13.86	29.35	0
8/10/20 5:00	3.718	335.2	9.74	13.79	29.35	0
8/10/20 5:15	1.077	350	17.06	12.83	29.35	0
8/10/20 5:30	2.33	111	13.39	13.06	29.35	0
8/10/20 5:45	3.269	120.8	6.144	13.97	29.35	0
8/10/20 6:00	2.279	136.6	2.862	14.63	29.32	0
8/10/20 6:15	2.415	140.6	9.78	15.3	29.32	0
8/10/20 6:30	2.48	137.7	8.29	15.53	29.32	0
8/10/20 6:45	2.401	126.4	12.59	16.23	29.32	0
8/10/20 7:00	1.069	52.58	19.54	17.22	29.31	0
8/10/20 7:15	2.372	340.8	29.71	16.77	29.31	0
8/10/20 7:30	3.746	284.6	10.98	16.57	29.31	0
8/10/20 7:45	2.723	283.8	19.91	16.73	29.31	0
8/10/20 8:00	2.792	319.9	16.63	17.4	29.32	0
8/10/20 8:15	2.951	326	26.5	17.75	29.32	0
8/10/20 8:30	2.402	34.99	37.72	18.44	29.32	0
8/10/20 8:45	1.391	350.5	79.26	19.4	29.32	0
8/10/20 9:00	3.043	325.7	18.08	19.55	29.3	0
8/10/20 9:15	2.634	301.6	27.84	19.58	29.3	0
8/10/20 9:30	4.132	314.5	25.29	20.33	29.3	0
8/10/20 9:45	5.093	332.7	32.98	21.27	29.3	0
8/10/20 10:00	7.894	5	19.68	21.89	29.28	0
8/10/20 10:15	9.19	12.33	15.59	22.05	29.28	0
8/10/20 10:30	9.96	24.58	10.84	21.75	29.28	0
8/10/20 10:45	10.96	31.3	11.69	21.99	29.28	0
8/10/20 11:00	11.1	28.11	13.63	21.78	29.29	0
8/10/20 11:15	8.82	22.19	14.31	22.68	29.29	0
8/10/20 11:30	7.476	341.6	26.67	23.16	29.29	0
8/10/20 11:45	9.43	354.9	24.66	23.39	29.29	0
8/10/20 12:00	9.89	0.831	18.64	23.91	29.25	0
8/10/20 12:15	9.66	358.3	14.33	23.68	29.25	0
8/10/20 12:30	10.04	5.138	16.69	24.13	29.25	0
8/10/20 12:45	9.3	335.9	21.01	24.36	29.25	0
8/10/20 13:00	9.43	323.9	25.68	24.66	29.24	0
8/10/20 13:15	9.91	308.7	12.85	24.55	29.24	0
8/10/20 13:30	9.55	313.7	11.07	25.01	29.24	0
8/10/20 13:45	8.77	317.1	12.19	25.02	29.24	0
8/10/20 14:00	8.63	337.6	18.6	25.22	29.24	0
8/10/20 14:15	10.11	325.3	19.32	25.38	29.24	0
8/10/20 14:30	8.48	343.8	20.04	25.47	29.24	0
8/10/20 14:45	8.84	348.8	24.81	25.5	29.24	0
8/10/20 15:00	9.35	338.9	24.59	25.64	29.21	0
8/10/20 15:15	7.284	1.847	16.21	25.64	29.21	0
8/10/20 15:30	8.69	4.935	19.49	25.59	29.21	0
8/10/20 15:45	8.41	1.963	18.94	25.82	29.21	0
8/10/20 16:00	9.04	347.7	18.68	25.42	29.18	0
8/10/20 16:15	8.62	353.8	14.26	25.48	29.18	0
8/10/20 16:30	8.2	342.4	20.54	25.89	29.18	0
8/10/20 16:45	8.53	345.4	18.68	25.68	29.18	0
8/10/20 17:00	10.25	314.5	10.06	25.5	29.17	0
8/10/20 17:15	10.13	326.1	9.09	25.19	29.17	0
8/10/20 17:30	11.07	309.9	10.38	24.95	29.17	0
8/10/20 17:45	9.94	320.6	14.1	24.71	29.17	0
8/10/20 18:00	9.34	334.5	10.17	24.4	29.18	0
8/10/20 18:15	7.497	325.7	10.68	24.14	29.18	0
8/10/20 18:30	7.709	340.8	10.98	23.72	29.18	0
8/10/20 18:45	8.21	318.8	7.521	23.2	29.18	0
8/10/20 19:00	7.265	324.6	8.53	22.69	29.17	0
8/10/20 19:15	7.034	314.9	8.42	22.23	29.17	0
8/10/20 19:30	5.75	344.9	16.25	21.89	29.17	0
8/10/20 19:45	4.604	334.9	12.75	21.55	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/10/20 20:00	5.162	352	16.28	21.23	29.15	0
8/10/20 20:15	7.462	6.915	15.41	20.76	29.15	0
8/10/20 20:30	8.51	5.86	22.1	21.06	29.15	0
8/10/20 20:45	7.587	15.83	13.27	20.71	29.15	0
8/10/20 21:00	7.816	13.23	17.24	20.28	29.16	0
8/10/20 21:15	10.41	28.34	9.28	19.41	29.16	0
8/10/20 21:30	11.11	27.76	9.93	19.43	29.16	0
8/10/20 21:45	10.72	31.4	13.06	19.23	29.16	0
8/10/20 22:00	10.24	25.44	11.95	18.83	29.14	0
8/10/20 22:15	5.128	12.5	13.66	18.62	29.14	0
8/10/20 22:30	5.377	24.38	17.54	18.57	29.14	0
8/10/20 22:45	8.99	15.02	10.2	18.56	29.14	0
8/10/20 23:00	10.42	10.32	7.763	18.57	29.16	0
8/10/20 23:15	7.71	17.64	9.8	18.32	29.16	0
8/10/20 23:30	5.319	30.62	11.26	17.55	29.16	0
8/10/20 23:45	7.06	24.67	8.25	17.32	29.16	0
8/11/20 0:00	5.503	35.04	7.817	17.11	29.15	0
8/11/20 0:15	5.279	39.55	8.72	17.06	29.15	0
8/11/20 0:30	4.35	43.29	7.564	16.9	29.15	0
8/11/20 0:45	3.499	49.57	6.338	16.57	29.15	0
8/11/20 1:00	3.894	109.5	25.06	16.34	29.14	0
8/11/20 1:15	5.568	124.1	7.408	16.44	29.14	0
8/11/20 1:30	6.645	136.8	8.63	16.15	29.14	0
8/11/20 1:45	6.855	145.8	6.218	15.75	29.14	0
8/11/20 2:00	6.032	146.1	5.637	15.37	29.15	0
8/11/20 2:15	5.451	144.4	6.042	15.07	29.15	0
8/11/20 2:30	5.548	146.4	6.328	14.63	29.15	0
8/11/20 2:45	4.085	157.6	7.782	14.26	29.15	0
8/11/20 3:00	2.207	165.1	8.47	14.18	29.13	0
8/11/20 3:15	3.31	160.8	6.139	14.08	29.13	0
8/11/20 3:30	4.332	179.1	6.414	14.05	29.13	0
8/11/20 3:45	4.575	181	6.035	13.7	29.13	0
8/11/20 4:00	4.621	192.4	5.502	13.77	29.13	0
8/11/20 4:15	3.829	189.9	5.99	13.56	29.13	0
8/11/20 4:30	3.726	184	5.647	13.34	29.13	0
8/11/20 4:45	3.975	178.3	3.249	13.02	29.13	0
8/11/20 5:00	4.446	173.9	3.648	13.03	29.14	0
8/11/20 5:15	4.204	169.1	4.949	13.18	29.14	0
8/11/20 5:30	2.579	156.3	8.65	13.13	29.14	0
8/11/20 5:45	3.467	152.3	6.766	13.19	29.14	0
8/11/20 6:00	3.402	140.1	5.814	13.36	29.15	0
8/11/20 6:15	3.348	136.3	13.02	13.51	29.15	0
8/11/20 6:30	5.296	155.6	4.353	13.49	29.15	0
8/11/20 6:45	5.427	159.2	10.56	13.67	29.15	0
8/11/20 7:00	6.007	153.7	6.972	13.79	29.17	0
8/11/20 7:15	5.098	143.7	6.118	13.82	29.17	0
8/11/20 7:30	4.848	139	9.88	14.01	29.17	0
8/11/20 7:45	4.125	134.4	10.86	14.31	29.17	0
8/11/20 8:00	4.077	141.4	16.15	14.67	29.15	0
8/11/20 8:15	4.944	144.2	17.69	15.48	29.15	0
8/11/20 8:30	4.438	157.2	29.4	16.11	29.15	0
8/11/20 8:45	3.896	198.6	33.65	16.2	29.15	0
8/11/20 9:00	3.817	210.1	41.12	16.82	29.14	0
8/11/20 9:15	4.34	251.7	27.9	16.98	29.14	0
8/11/20 9:30	3.672	226.7	35.65	17.2	29.14	0
8/11/20 9:45	5.479	236.2	19.29	17.3	29.14	0
8/11/20 10:00	4.075	249.1	29.28	17.97	29.13	0
8/11/20 10:15	5.17	209.7	35.05	18.33	29.13	0
8/11/20 10:30	6.528	213.4	19.71	18.48	29.13	0
8/11/20 10:45	5.753	202.8	28.85	18.96	29.13	0
8/11/20 11:00	5.515	230.6	27.42	18.79	29.13	0
8/11/20 11:15	7.402	217.2	21.89	19.32	29.13	0
8/11/20 11:30	6.585	256.7	23.4	19.3	29.13	0
8/11/20 11:45	6.717	242.7	26.23	19.59	29.13	0
8/11/20 12:00	6.046	227.8	29.55	19.97	29.14	0
8/11/20 12:15	5.616	234	37.76	20.4	29.14	0
8/11/20 12:30	5.756	222.1	26.11	20.51	29.14	0
8/11/20 12:45	4.938	230.8	35.41	20.73	29.14	0
8/11/20 13:00	6.784	273.2	18.61	21.27	29.12	0
8/11/20 13:15	9.37	258.3	17.39	21.19	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/11/20 13:30	7.666	234	27.27	21.16	29.12	0
8/11/20 13:45	8.7	237.3	21.13	21.59	29.12	0
8/11/20 14:00	7.763	241.5	17.81	21.46	29.12	0
8/11/20 14:15	8.19	236.5	18.39	21.48	29.12	0
8/11/20 14:30	9.24	249.3	13.58	21.75	29.12	0
8/11/20 14:45	9.09	263.1	25.33	21.9	29.12	0
8/11/20 15:00	8.2	256	20.88	22.15	29.12	0
8/11/20 15:15	7.716	267.3	23.02	22.27	29.12	0
8/11/20 15:30	8.02	248.9	15.88	22.09	29.12	0
8/11/20 15:45	8.37	255.1	27	22.35	29.12	0
8/11/20 16:00	8.17	271.9	21.62	22.3	29.09	0
8/11/20 16:15	9.75	272	18.51	22.16	29.09	0
8/11/20 16:30	8.32	253.4	19.95	22.15	29.09	0
8/11/20 16:45	8.61	268.9	17.6	21.81	29.09	0
8/11/20 17:00	9.25	256.6	10.46	21.5	29.1	0
8/11/20 17:15	10.36	254.2	12.32	21.08	29.1	0
8/11/20 17:30	10.65	245.9	9.52	20.8	29.1	0
8/11/20 17:45	8.98	241.9	11.52	20.51	29.1	0
8/11/20 18:00	8.32	231.3	9.01	20.29	29.08	0
8/11/20 18:15	10.15	247.8	9.9	19.83	29.08	0
8/11/20 18:30	10.27	241.9	7.323	19.34	29.08	0
8/11/20 18:45	11.06	240.3	7.997	18.92	29.08	0
8/11/20 19:00	8.98	247.4	11.56	18.55	29.08	0
8/11/20 19:15	7.469	245.8	10	18.18	29.08	0
8/11/20 19:30	6.638	257.2	13.24	17.8	29.08	0
8/11/20 19:45	7.203	253.9	12.26	17.37	29.08	0
8/11/20 20:00	6.375	255.7	9.67	17.15	29.1	0
8/11/20 20:15	6.488	259.7	13.11	16.83	29.1	0
8/11/20 20:30	8.46	250.3	15.47	16.45	29.1	0
8/11/20 20:45	9.2	255.3	9.42	16	29.1	0
8/11/20 21:00	7.107	264.3	12.54	15.66	29.12	0
8/11/20 21:15	4.97	295.9	10.94	15.21	29.12	0
8/11/20 21:30	5.997	284.5	9.2	15.11	29.12	0
8/11/20 21:45	5.719	284.3	4.631	15	29.12	0
8/11/20 22:00	4.46	299.7	14.86	14.58	29.13	0
8/11/20 22:15	1.699	11.44	5.127	14.29	29.13	0
8/11/20 22:30	2.699	351	24.45	14.43	29.13	0
8/11/20 22:45	2.318	31.52	26.37	13.98	29.13	0
8/11/20 23:00	4.041	4.257	14.02	13.43	29.15	0
8/11/20 23:15	4.975	1.863	13.42	13.67	29.15	0
8/11/20 23:30	4.516	3.294	15.59	13.46	29.15	0
8/11/20 23:45	6.087	3.719	14.57	13.09	29.15	0
8/12/20 0:00	6.633	23.4	10.1	12.73	29.15	0
8/12/20 0:15	7.204	34.28	9.48	12.39	29.15	0
8/12/20 0:30	6.385	38.03	13.7	12.35	29.15	0
8/12/20 0:45	4.601	38.82	16.7	12.45	29.15	0
8/12/20 1:00	3.853	94.5	10.46	12.27	29.17	0
8/12/20 1:15	4.824	108.8	9.64	12.27	29.17	0
8/12/20 1:30	5.167	111.5	14.36	11.95	29.17	0
8/12/20 1:45	4.818	109.5	9.82	11.94	29.17	0
8/12/20 2:00	4.835	117.5	9.91	11.88	29.17	0
8/12/20 2:15	5.015	115.1	8.91	11.74	29.17	0
8/12/20 2:30	6.048	116.5	7.523	11.64	29.17	0
8/12/20 2:45	6.524	120.2	7.277	11.56	29.17	0
8/12/20 3:00	5.763	111.7	8.98	11.51	29.17	0
8/12/20 3:15	5.693	124.3	7.37	11.52	29.17	0
8/12/20 3:30	4.526	125.8	7.712	11.42	29.17	0
8/12/20 3:45	4.972	133.3	6.138	11.49	29.17	0
8/12/20 4:00	3.184	119.5	11.11	11.43	29.19	0
8/12/20 4:15	3.631	116.7	8.81	11.43	29.19	0
8/12/20 4:30	3.63	113.6	7.028	11.4	29.19	0
8/12/20 4:45	4.242	110.3	4.588	11.49	29.19	0
8/12/20 5:00	4.897	118.2	7.053	11.6	29.2	0
8/12/20 5:15	4.417	121.4	5.435	11.68	29.2	0
8/12/20 5:30	4.33	126.1	6.706	11.68	29.2	0
8/12/20 5:45	4.505	133.2	8.26	11.74	29.2	0
8/12/20 6:00	4.515	133.9	10.05	11.75	29.19	0
8/12/20 6:15	4.385	137.4	5.123	11.81	29.19	0
8/12/20 6:30	4.876	138.7	8.37	11.96	29.19	0
8/12/20 6:45	5.837	143.3	6.757	12.06	29.19	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/12/20 7:00	4.681	140	7.686	12.13	29.22	0
8/12/20 7:15	2.846	119	19.75	12.38	29.22	0
8/12/20 7:30	4.47	136.5	14.02	12.77	29.22	0
8/12/20 7:45	5.038	135.5	14.68	12.41	29.22	0
8/12/20 8:00	3.529	148.4	20.91	12.45	29.23	0
8/12/20 8:15	2.82	121.6	13.6	12.64	29.23	0
8/12/20 8:30	3.167	125.9	11.1	12.62	29.23	0
8/12/20 8:45	4.141	150.5	28.22	12.52	29.23	0
8/12/20 9:00	3.219	128.3	30.93	12.66	29.24	0
8/12/20 9:15	4.184	138.9	20.28	12.72	29.24	0
8/12/20 9:30	3.527	174.3	34.67	12.84	29.24	0
8/12/20 9:45	3.381	158.4	38.55	12.89	29.24	0
8/12/20 10:00	2.7	149	24.18	12.92	29.24	0
8/12/20 10:15	3.303	77.37	14.94	13.05	29.24	0
8/12/20 10:30	2.556	108.5	26.75	13.02	29.24	0
8/12/20 10:45	2.239	101.6	17.1	13.37	29.24	0
8/12/20 11:00	2.565	86.8	15.77	13.42	29.27	0
8/12/20 11:15	3.122	92.4	20.32	13.86	29.27	0
8/12/20 11:30	3.133	91.8	27.85	14.09	29.27	0
8/12/20 11:45	3.254	56.47	32.59	14.61	29.27	0
8/12/20 12:00	2.168	179.7	58.94	14.88	29.26	0
8/12/20 12:15	2.556	163.4	47.35	15.42	29.26	0
8/12/20 12:30	4.693	242.4	28.54	15.27	29.26	0
8/12/20 12:45	3.739	219.2	46.18	15.89	29.26	0
8/12/20 13:00	3.889	196.3	44.6	16.55	29.27	0
8/12/20 13:15	4.002	222.8	37.93	17.39	29.27	0
8/12/20 13:30	4.867	261.1	32.53	17.95	29.27	0
8/12/20 13:45	4.31	196.3	56.09	18.51	29.27	0
8/12/20 14:00	4.539	212	74.09	18.22	29.26	0
8/12/20 14:15	7.187	298.7	30.05	18.46	29.26	0
8/12/20 14:30	6.882	260	13.96	18.42	29.26	0
8/12/20 14:45	6.518	274.7	26.87	19.06	29.26	0
8/12/20 15:00	6.301	274.4	14.64	18.22	29.27	0
8/12/20 15:15	4.797	297.3	17.29	18.62	29.27	0
8/12/20 15:30	6.186	286.8	19.07	19.13	29.27	0
8/12/20 15:45	4.164	251.1	21.51	19.24	29.27	0
8/12/20 16:00	4.18	259.3	23.41	19.1	29.25	0
8/12/20 16:15	2.965	248.6	41.58	19.41	29.25	0
8/12/20 16:30	4.02	1.675	15.43	19.25	29.25	0
8/12/20 16:45	3.658	20.75	9.53	18.98	29.25	0
8/12/20 17:00	3.416	25.74	7.921	19.26	29.25	0
8/12/20 17:15	3.612	54.42	15.87	19.15	29.25	0
8/12/20 17:30	2.177	103.6	35.94	19.26	29.25	0
8/12/20 17:45	2.491	106.4	44.8	19.55	29.25	0
8/12/20 18:00	2.956	34.82	10.8	18.99	29.25	0
8/12/20 18:15	2.509	328.1	54.11	19.08	29.25	0
8/12/20 18:30	5.901	305.7	24.52	18	29.25	0
8/12/20 18:45	5.905	296	4.426	17.33	29.25	0
8/12/20 19:00	6.511	313.5	4.651	16.84	29.25	0
8/12/20 19:15	6.308	322.4	4.963	16.35	29.25	0
8/12/20 19:30	4.639	329.4	7.882	16.07	29.25	0
8/12/20 19:45	4.578	352.1	9.93	15.95	29.25	0
8/12/20 20:00	3.489	356	9.88	15.78	29.27	0
8/12/20 20:15	4.042	11.99	13.12	15.51	29.27	0
8/12/20 20:30	4.62	33.81	8.75	14.79	29.27	0
8/12/20 20:45	5.006	41.52	7.331	14.61	29.27	0
8/12/20 21:00	6.642	45.44	5.704	14.5	29.27	0
8/12/20 21:15	6.542	45.16	5.409	14.47	29.27	0
8/12/20 21:30	5.771	48.28	6.157	14.18	29.27	0
8/12/20 21:45	5.976	47.29	7.443	13.66	29.27	0
8/12/20 22:00	5.842	41.01	9.39	13.5	29.28	0
8/12/20 22:15	5.573	45.69	11.17	13.55	29.28	0
8/12/20 22:30	4.868	60.54	11.79	13.77	29.28	0
8/12/20 22:45	5.314	61.58	12.84	14.34	29.28	0
8/12/20 23:00	7.561	200.3	39.63	13.07	29.28	0
8/12/20 23:15	6.151	205.6	33.41	12.94	29.28	0
8/12/20 23:30	4.296	144.2	31.45	12.28	29.28	0
8/12/20 23:45	3.592	86.7	8.17	11.22	29.28	0
8/13/20 0:00	4.226	94	7.502	11.48	29.28	0
8/13/20 0:15	3.086	93.8	22.56	11.82	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/13/20 0:30	3.125	108.8	5.923	11.73	29.28	0
8/13/20 0:45	3.611	82.3	10.37	11.66	29.28	0
8/13/20 1:00	5.046	97.4	4.831	11.92	29.29	0
8/13/20 1:15	4.01	81.5	8.89	12.6	29.29	0
8/13/20 1:30	2.576	70.75	15.09	12.84	29.29	0
8/13/20 1:45	2.885	123.5	13.36	11.98	29.29	0
8/13/20 2:00	3.447	128.8	5.208	11.92	29.29	0
8/13/20 2:15	2.868	120.1	5.937	11.89	29.29	0
8/13/20 2:30	2.855	123.8	5.879	11.79	29.29	0
8/13/20 2:45	2.735	129	5.898	11.94	29.29	0
8/13/20 3:00	2.8	123.8	3.44	11.68	29.3	0
8/13/20 3:15	2.791	122.8	9.29	11.39	29.3	0
8/13/20 3:30	1.283	88.1	9.68	11.19	29.3	0
8/13/20 3:45	1.725	91.4	7.232	11.1	29.3	0
8/13/20 4:00	1.583	55.88	7.808	10.82	29.3	0
8/13/20 4:15	2.027	26.51	4.521	10.65	29.3	0
8/13/20 4:30	2.687	7.512	13.31	10.27	29.3	0
8/13/20 4:45	2.725	350.5	0.484	10.33	29.3	0
8/13/20 5:00	1.551	359.6	2.423	10.7	29.31	0
8/13/20 5:15	1.556	26.15	18.83	10.79	29.31	0
8/13/20 5:30	1.446	54.44	5.141	10.51	29.31	0
8/13/20 5:45	1.077	66.09	9.4	10.79	29.31	0
8/13/20 6:00	1.718	182.5	28.33	10.25	29.31	0
8/13/20 6:15	1.333	180.8	7.87	10.44	29.31	0
8/13/20 6:30	0.541	219.1	34.91	10.68	29.31	0
8/13/20 6:45	0.023	294.6	0.007	10.85	29.31	0
8/13/20 7:00	1.232	199.8	25.78	11.02	29.33	0
8/13/20 7:15	3.889	177.2	10.53	11.14	29.33	0
8/13/20 7:30	4.485	169.3	11.59	11.4	29.33	0
8/13/20 7:45	4.363	186.6	13.49	11.79	29.33	0
8/13/20 8:00	2.763	185.6	21.61	12.49	29.32	0
8/13/20 8:15	1.965	187.9	39.89	12.83	29.32	0
8/13/20 8:30	1.528	241.4	59.06	13.39	29.32	0
8/13/20 8:45	1.871	208.7	52.29	14.28	29.32	0
8/13/20 9:00	2.996	191	23.64	14.19	29.31	0
8/13/20 9:15	2.765	244	41.25	14.85	29.31	0
8/13/20 9:30	2.931	305.5	74.78	15.4	29.31	0
8/13/20 9:45	2.772	291.7	26.45	16.08	29.31	0
8/13/20 10:00	2.468	284.6	50.21	16.83	29.33	0
8/13/20 10:15	3.553	349.9	33.07	17.16	29.33	0
8/13/20 10:30	4.552	289.7	23.79	17.32	29.33	0
8/13/20 10:45	3.409	268.5	36.86	17.6	29.33	0
8/13/20 11:00	5.215	286	30.53	18.02	29.34	0
8/13/20 11:15	4.625	283.9	21.76	18.33	29.34	0
8/13/20 11:30	4.717	311.9	45.27	18.8	29.34	0
8/13/20 11:45	6.385	314	16.84	19.13	29.34	0
8/13/20 12:00	5.421	242.6	68.4	18.78	29.33	0
8/13/20 12:15	6.221	270.3	41.48	19.12	29.33	0
8/13/20 12:30	4.394	291.7	60.71	19.89	29.33	0
8/13/20 12:45	7.087	304.5	40.28	19.99	29.33	0
8/13/20 13:00	5.202	311.1	51.91	19.59	29.35	0
8/13/20 13:15	5.257	320.1	41.18	20.33	29.35	0
8/13/20 13:30	3.056	319.2	55.55	20.19	29.35	0
8/13/20 13:45	6.082	329.5	22.61	20.63	29.35	0
8/13/20 14:00	4.715	261.1	48.18	20.75	29.33	0
8/13/20 14:15	6.119	284.9	37.92	21.01	29.33	0
8/13/20 14:30	4.643	330.3	32.61	21.4	29.33	0
8/13/20 14:45	5.401	7.538	34.41	21.33	29.33	0
8/13/20 15:00	3.79	311.5	60.03	21.46	29.34	0
8/13/20 15:15	4.629	339.7	44.53	21.49	29.34	0
8/13/20 15:30	7.343	282.8	33.28	21.84	29.34	0
8/13/20 15:45	4.06	299.1	32.34	21.72	29.34	0
8/13/20 16:00	6.542	304.6	38.81	21.74	29.32	0
8/13/20 16:15	6.071	351.5	42.99	21.82	29.32	0
8/13/20 16:30	5.879	354.1	23.5	21.89	29.32	0
8/13/20 16:45	7.514	314.8	12.91	21.85	29.32	0
8/13/20 17:00	6.753	347.4	22.46	21.68	29.35	0
8/13/20 17:15	5.408	6.322	27.25	21.4	29.35	0
8/13/20 17:30	6.677	324.3	11.5	21.36	29.35	0
8/13/20 17:45	6.392	336.7	20.25	21.16	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/13/20 18:00	6.658	318.9	6.98	21.11	29.33	0
8/13/20 18:15	6.531	335.1	13.57	20.84	29.33	0
8/13/20 18:30	5.983	326.5	8.32	20.53	29.33	0
8/13/20 18:45	6.783	322.7	7.606	20.14	29.33	0
8/13/20 19:00	5.52	332.9	9.99	19.65	29.33	0
8/13/20 19:15	5.906	333.3	7.987	19.16	29.33	0
8/13/20 19:30	7.765	2.754	9.47	18.71	29.33	0
8/13/20 19:45	7.459	16.22	6.883	18.18	29.33	0
8/13/20 20:00	7.453	18.28	10.05	17.8	29.35	0
8/13/20 20:15	5.918	20.56	11.58	17.65	29.35	0
8/13/20 20:30	5.998	22.56	8.76	17.51	29.35	0
8/13/20 20:45	3.93	21	11.59	17.52	29.35	0
8/13/20 21:00	2.411	32.23	19.71	17.22	29.36	0
8/13/20 21:15	3.86	38.79	7.743	16.62	29.36	0
8/13/20 21:30	3.123	355.2	55.36	15.85	29.36	0
8/13/20 21:45	2.873	341.3	27.4	15.56	29.36	0
8/13/20 22:00	4.326	25.35	11.81	14.76	29.37	0
8/13/20 22:15	4.517	36.82	10.52	14.54	29.37	0
8/13/20 22:30	5.863	27.97	7.422	14.23	29.37	0
8/13/20 22:45	6.211	21.4	12.3	14.31	29.37	0
8/13/20 23:00	6.196	24.83	9.52	14.01	29.38	0
8/13/20 23:15	6.72	23.03	6.986	13.65	29.38	0
8/13/20 23:30	5.719	20.48	9.06	13.46	29.38	0
8/13/20 23:45	6.142	18.8	7.296	13.28	29.38	0
8/14/20 0:00	7.215	22.88	5.922	13.08	29.38	0
8/14/20 0:15	6.537	27.55	7.067	12.78	29.38	0
8/14/20 0:30	6.086	30.46	6.444	12.6	29.38	0
8/14/20 0:45	5.838	32.99	6.211	12.25	29.38	0
8/14/20 1:00	6.467	37.98	5.531	12.25	29.38	0
8/14/20 1:15	6.797	40.08	7.924	12.21	29.38	0
8/14/20 1:30	6.726	41.81	5.925	12.13	29.38	0
8/14/20 1:45	6.545	38.08	7.406	12.1	29.38	0
8/14/20 2:00	5.69	44.42	7.661	12.22	29.37	0
8/14/20 2:15	6.18	25.83	7.441	11.98	29.37	0
8/14/20 2:30	6.003	32.37	4.927	11.96	29.37	0
8/14/20 2:45	4.671	31.01	4.118	11.6	29.37	0
8/14/20 3:00	4.351	24.46	4.925	11.28	29.39	0
8/14/20 3:15	4.669	29.47	6.602	11.08	29.39	0
8/14/20 3:30	4.857	36.92	4.875	10.93	29.39	0
8/14/20 3:45	3.455	34.67	1.983	10.65	29.39	0
8/14/20 4:00	2.286	37.38	3.002	10.58	29.37	0
8/14/20 4:15	2.455	36.49	3.928	10.3	29.37	0
8/14/20 4:30	3.541	30.24	5.014	10.06	29.37	0
8/14/20 4:45	4.717	26.41	6.121	9.73	29.37	0
8/14/20 5:00	4.039	30.28	7.23	9.77	29.37	0
8/14/20 5:15	4.542	25.47	3.743	9.96	29.37	0
8/14/20 5:30	3.878	31.79	2.815	10.4	29.37	0
8/14/20 5:45	4.133	46.76	6.31	10.93	29.37	0
8/14/20 6:00	3.687	45.04	6.489	11.17	29.39	0
8/14/20 6:15	3.519	21.35	6.441	11	29.39	0
8/14/20 6:30	3.308	13.77	9.18	11.1	29.39	0
8/14/20 6:45	3.522	28.51	5.701	11.53	29.39	0
8/14/20 7:00	4.008	20.56	7.379	12.1	29.38	0
8/14/20 7:15	3.5	28.46	5.391	12.59	29.38	0
8/14/20 7:30	2.727	23.29	11.51	13.78	29.38	0
8/14/20 7:45	3.417	31.94	10.79	14.06	29.38	0
8/14/20 8:00	1.325	11.64	21.88	15.43	29.41	0
8/14/20 8:15	1.82	12.68	91.8	16.34	29.41	0
8/14/20 8:30	1.373	32.72	57.99	17.32	29.41	0
8/14/20 8:45	3.558	45.83	18.93	17.36	29.41	0
8/14/20 9:00	4.658	33.38	17.39	17.37	29.41	0
8/14/20 9:15	4.288	25.63	17.29	17.93	29.41	0
8/14/20 9:30	6.762	21.58	18.31	18.73	29.41	0
8/14/20 9:45	7.376	26.43	16.64	19.22	29.41	0
8/14/20 10:00	7.619	20.58	11.67	19.51	29.41	0
8/14/20 10:15	8.22	9.26	15.93	19.87	29.41	0
8/14/20 10:30	7.738	10.97	16.26	20.28	29.41	0
8/14/20 10:45	8.07	3.399	14.42	20.7	29.41	0
8/14/20 11:00	10.81	10.46	10.75	21.26	29.38	0
8/14/20 11:15	11.48	7.42	12.63	21.45	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/14/20 11:30	11.16	8.4	10.24	21.98	29.38	0
8/14/20 11:45	9.23	357.8	14.33	22.18	29.38	0
8/14/20 12:00	10.47	18.79	12.22	22.62	29.39	0
8/14/20 12:15	9.29	348	24.68	23.19	29.39	0
8/14/20 12:30	9.84	0.032	19.43	23.4	29.39	0
8/14/20 12:45	10.42	354.6	18.98	23.5	29.39	0
8/14/20 13:00	7.716	10.76	19.12	24.04	29.38	0
8/14/20 13:15	9.32	19.67	20.98	24.26	29.38	0
8/14/20 13:30	8.58	23.57	16.97	24.35	29.38	0
8/14/20 13:45	9.86	27.21	12.99	24.42	29.38	0
8/14/20 14:00	7.844	18.92	20.6	25.04	29.38	0
8/14/20 14:15	8.69	3.074	25.07	24.98	29.38	0
8/14/20 14:30	8.12	3.377	27.86	25.17	29.38	0
8/14/20 14:45	7.189	19.65	24.94	25.38	29.38	0
8/14/20 15:00	8.73	342.6	22.98	25.55	29.34	0
8/14/20 15:15	9.84	329.6	20.45	25.66	29.34	0
8/14/20 15:30	7.823	354.1	27.43	25.69	29.34	0
8/14/20 15:45	10.36	326.8	15.11	25.73	29.34	0
8/14/20 16:00	11.81	319.8	11.5	25.79	29.34	0
8/14/20 16:15	11.91	318.9	7.972	25.57	29.34	0
8/14/20 16:30	11	323.1	12.27	25.56	29.34	0
8/14/20 16:45	9.61	343.2	23.03	25.38	29.34	0
8/14/20 17:00	8.51	339.7	21.03	25.42	29.34	0
8/14/20 17:15	9.34	351.4	23.59	25.05	29.34	0
8/14/20 17:30	9.56	12.77	16.93	24.6	29.34	0
8/14/20 17:45	8.31	359	15.6	24.48	29.34	0
8/14/20 18:00	8.1	351.9	14.87	24.36	29.32	0
8/14/20 18:15	8.65	348.9	15.44	23.98	29.32	0
8/14/20 18:30	5.95	1.158	19	23.65	29.32	0
8/14/20 18:45	5.744	353.2	18.11	23.3	29.32	0
8/14/20 19:00	7.693	359.4	14.05	22.78	29.32	0
8/14/20 19:15	9.39	10.48	14.05	22.4	29.32	0
8/14/20 19:30	6.561	24.09	15.36	21.9	29.32	0
8/14/20 19:45	6.145	33.93	14.16	21.64	29.32	0
8/14/20 20:00	9.88	22.25	15.25	21.36	29.32	0
8/14/20 20:15	11.15	18.79	10.53	21.08	29.32	0
8/14/20 20:30	11.65	16.89	7.332	20.67	29.32	0
8/14/20 20:45	12.74	16.21	6.311	20.55	29.32	0
8/14/20 21:00	12.12	11.6	7.128	20.39	29.33	0
8/14/20 21:15	12.48	17.67	6.11	20.43	29.33	0
8/14/20 21:30	8.03	10.21	10.27	19.73	29.33	0
8/14/20 21:45	8.11	10.31	6.821	18.67	29.33	0
8/14/20 22:00	8.75	10.79	7.17	18.19	29.31	0
8/14/20 22:15	8.26	28.18	9.91	17.68	29.31	0
8/14/20 22:30	9.76	22.07	7.02	17.76	29.31	0
8/14/20 22:45	8.27	29.99	9.32	17.36	29.31	0
8/14/20 23:00	9.59	25.38	6.279	17.28	29.32	0
8/14/20 23:15	11.21	26.38	5.632	17.22	29.32	0
8/14/20 23:30	11.32	25.96	7.01	17.06	29.32	0
8/14/20 23:45	10.89	23.2	8.25	16.71	29.32	0
8/15/20 0:00	5.797	358.4	16.92	16.42	29.31	0
8/15/20 0:15	3.37	347.9	20.69	16.39	29.31	0
8/15/20 0:30	2.96	8.67	26.41	16.32	29.31	0
8/15/20 0:45	7.852	30.11	10.64	15.61	29.31	0
8/15/20 1:00	9.04	29.89	9.98	15.25	29.29	0
8/15/20 1:15	8.14	33.92	7.86	15.1	29.29	0
8/15/20 1:30	7.459	31.01	10.81	15.19	29.29	0
8/15/20 1:45	7.606	28.19	8.91	15.19	29.29	0
8/15/20 2:00	7.749	26.54	8.11	14.91	29.29	0
8/15/20 2:15	6.6	23.64	8.71	14.8	29.29	0
8/15/20 2:30	6.487	30.06	8.98	14.52	29.29	0
8/15/20 2:45	6.563	24.24	7.444	14.35	29.29	0
8/15/20 3:00	7.281	30.08	10.33	14.03	29.27	0
8/15/20 3:15	7.72	35.85	8.8	13.82	29.27	0
8/15/20 3:30	9.33	32.04	7.781	13.61	29.27	0
8/15/20 3:45	9.09	33.89	8.37	13.49	29.27	0
8/15/20 4:00	7.695	29.75	9.88	13.43	29.26	0
8/15/20 4:15	7.217	11.22	7.961	13.53	29.26	0
8/15/20 4:30	6.604	10.88	9.4	13.83	29.26	0
8/15/20 4:45	6.296	23.57	8.87	13.39	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/15/20 5:00	6.256	17.1	8.17	13.11	29.25	0
8/15/20 5:15	6.434	17.99	7.261	13.08	29.25	0
8/15/20 5:30	6.571	22.46	7.636	13.11	29.25	0
8/15/20 5:45	4.55	25.53	9.54	12.98	29.25	0
8/15/20 6:00	4.458	29.22	8.99	13.18	29.25	0
8/15/20 6:15	3.52	42.67	14.57	13.76	29.25	0
8/15/20 6:30	3.678	17.63	13.7	13.93	29.25	0
8/15/20 6:45	3.543	19.52	12.16	14.56	29.25	0
8/15/20 7:00	3.846	28.87	12.07	15.3	29.27	0
8/15/20 7:15	4.901	36.29	9.16	15.52	29.27	0
8/15/20 7:30	4.046	57.34	9.93	16.3	29.27	0
8/15/20 7:45	3.98	46.18	13.88	16.73	29.27	0
8/15/20 8:00	4.139	25.64	11	17.4	29.26	0
8/15/20 8:15	2.831	46.02	17.92	18.59	29.26	0
8/15/20 8:30	3.58	38.83	18.45	18.87	29.26	0
8/15/20 8:45	3.616	31.38	16.12	19.37	29.26	0
8/15/20 9:00	3.947	41.33	15.26	20.32	29.23	0
8/15/20 9:15	4.309	59.73	19.36	21.15	29.23	0
8/15/20 9:30	4.015	36.56	19.94	22.03	29.23	0
8/15/20 9:45	5.887	32.54	10.66	22.46	29.23	0
8/15/20 10:00	8.12	32.3	9.96	22.82	29.22	0
8/15/20 10:15	7.462	31.94	14.89	23.2	29.22	0
8/15/20 10:30	7.033	43.7	12.8	23.85	29.22	0
8/15/20 10:45	8.24	27.82	12.62	24.08	29.22	0
8/15/20 11:00	8.41	26.14	10	24.46	29.21	0
8/15/20 11:15	8.59	26.93	9.92	24.99	29.21	0
8/15/20 11:30	8.37	29.3	10.72	25.38	29.21	0
8/15/20 11:45	9.53	30.7	9.65	25.98	29.21	0
8/15/20 12:00	10.98	31.2	9.79	26.2	29.18	0
8/15/20 12:15	10.65	30.84	13.33	26.71	29.18	0
8/15/20 12:30	8.3	23.22	23.03	27.4	29.18	0
8/15/20 12:45	9.37	24.57	16.26	27.99	29.18	0
8/15/20 13:00	10.89	15.57	15.84	28.1	29.18	0
8/15/20 13:15	10.42	20.64	15.99	28.25	29.18	0
8/15/20 13:30	9.33	15.76	16.67	28.76	29.18	0
8/15/20 13:45	9.61	10.5	21.3	28.95	29.18	0
8/15/20 14:00	9.17	359.6	17.36	29.59	29.16	0
8/15/20 14:15	9.34	4.807	15.08	29.32	29.16	0
8/15/20 14:30	8.82	0.374	18.45	30.07	29.16	0
8/15/20 14:45	9.91	1.79	14.35	30.07	29.16	0
8/15/20 15:00	9.78	8.31	12.31	29.95	29.14	0
8/15/20 15:15	9.57	359	15.94	30.48	29.14	0
8/15/20 15:30	10.1	356.1	17.69	30.03	29.14	0
8/15/20 15:45	9.38	358.1	24.86	29.95	29.14	0
8/15/20 16:00	7.693	9.19	18.83	29.94	29.12	0
8/15/20 16:15	8.58	351.7	19.59	30.13	29.12	0
8/15/20 16:30	7.772	2.477	19.84	30.1	29.12	0
8/15/20 16:45	9.48	9.52	14.75	29.84	29.12	0
8/15/20 17:00	8.28	11.53	17.69	29.67	29.09	0
8/15/20 17:15	8.75	6.316	19.34	29.58	29.09	0
8/15/20 17:30	8.58	7.091	12.53	29.38	29.09	0
8/15/20 17:45	8.27	6.675	16	29.15	29.09	0
8/15/20 18:00	9.19	7.65	12.83	28.87	29.09	0
8/15/20 18:15	6.816	0.986	13.29	28.61	29.09	0
8/15/20 18:30	7.272	357.5	13.08	28.32	29.09	0
8/15/20 18:45	6.88	345.2	15.06	27.95	29.09	0
8/15/20 19:00	5.869	339.6	19.46	27.36	29.08	0
8/15/20 19:15	6.025	357.4	16.02	26.73	29.08	0
8/15/20 19:30	8.45	6.254	11.01	26.1	29.08	0
8/15/20 19:45	7.761	16.32	8.67	25.22	29.08	0
8/15/20 20:00	10.46	17.86	7.975	24.88	29.07	0
8/15/20 20:15	9.83	22.01	11.11	24.55	29.07	0
8/15/20 20:30	10.47	30.09	9.68	23.82	29.07	0
8/15/20 20:45	9.9	24.92	7.891	23.3	29.07	0
8/15/20 21:00	9	26.57	7.803	23.24	29.1	0
8/15/20 21:15	8.41	25.91	9.78	23	29.1	0
8/15/20 21:30	8.08	31.48	8.37	22.23	29.1	0
8/15/20 21:45	9.19	35.56	8.59	22.07	29.1	0
8/15/20 22:00	7.422	40.33	7.841	21.8	29.08	0
8/15/20 22:15	6.402	32.32	7.5	21.13	29.08	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/15/20 22:30	7.235	25.96	8.08	21.09	29.08	0
8/15/20 22:45	7.002	29.75	8.69	21.05	29.08	0
8/15/20 23:00	4.616	42.03	10.34	20.57	29.1	0
8/15/20 23:15	4.228	38.89	8.27	20.33	29.1	0
8/15/20 23:30	3.69	28.69	9.48	20.61	29.1	0
8/15/20 23:45	4.816	34.69	5.175	20.69	29.1	0
8/16/20 0:00	5.628	27.65	7.83	20	29.07	0
8/16/20 0:15	6.269	17.25	7.919	19.96	29.07	0
8/16/20 0:30	5.136	22.59	11.02	20.06	29.07	0
8/16/20 0:45	5.496	25.45	9.04	19.32	29.07	0
8/16/20 1:00	5.139	19.65	4.73	19.31	29.08	0
8/16/20 1:15	5.315	19.87	4.304	19.54	29.08	0
8/16/20 1:30	5.405	14.78	7.055	19.42	29.08	0
8/16/20 1:45	4.433	13.18	11.08	19.54	29.08	0
8/16/20 2:00	2.176	348.9	32.54	19.95	29.09	0
8/16/20 2:15	1.333	292.8	11.4	20.9	29.09	0
8/16/20 2:30	0.229	307.2	22.68	19.94	29.09	0
8/16/20 2:45	0.705	17.97	7.12	19.95	29.09	0
8/16/20 3:00	0.264	22.74	1.885	20.29	29.08	0
8/16/20 3:15	2.325	292.7	18.72	20.36	29.08	0
8/16/20 3:30	2.582	309.9	11.49	20.22	29.08	0
8/16/20 3:45	1.979	353.3	12.26	19.93	29.08	0
8/16/20 4:00	2.466	27.2	23.83	19.32	29.09	0
8/16/20 4:15	1.653	62.24	3.143	19.53	29.09	0
8/16/20 4:30	1.315	62.26	4.258	19.64	29.09	0
8/16/20 4:45	2.332	47.15	3.132	19.24	29.09	0
8/16/20 5:00	1.956	36.3	7.119	19.19	29.09	0
8/16/20 5:15	1.998	18.2	0.548	19.85	29.09	0
8/16/20 5:30	2.485	21.55	2.79	19.28	29.09	0
8/16/20 5:45	1.034	40.15	12.91	19.28	29.09	0
8/16/20 6:00	0	0	0	20.55	29.07	0
8/16/20 6:15	0.173	50.06	0.461	20.17	29.07	0
8/16/20 6:30	1.615	283	35.06	20.93	29.07	0
8/16/20 6:45	1.87	248.8	14.23	21.12	29.07	0
8/16/20 7:00	2.608	254.5	11.22	21.27	29.1	0
8/16/20 7:15	1.7	244.2	15.12	20.97	29.1	0
8/16/20 7:30	1.288	243	56.75	21.44	29.1	0
8/16/20 7:45	3.127	225.8	12.17	21.39	29.1	0
8/16/20 8:00	3.72	225.8	7.384	21.17	29.11	0
8/16/20 8:15	4.112	214.9	9.64	21.69	29.11	0
8/16/20 8:30	3.834	193.5	17.64	22.54	29.11	0
8/16/20 8:45	3.639	155.8	31.27	23.36	29.11	0
8/16/20 9:00	2.532	120.9	26.72	24.59	29.1	0
8/16/20 9:15	4.393	140.6	26.93	24.98	29.1	0
8/16/20 9:30	4.202	177.7	21.4	25.18	29.1	0
8/16/20 9:45	4.148	200.2	26.33	25.99	29.1	0
8/16/20 10:00	2.44	155.8	39.68	27.35	29.09	0
8/16/20 10:15	4.213	208.9	26.93	27.29	29.09	0
8/16/20 10:30	4.257	254.7	17.99	27.69	29.09	0
8/16/20 10:45	3.252	211.5	39.13	28.43	29.09	0
8/16/20 11:00	2.551	203.3	33.78	29.43	29.1	0
8/16/20 11:15	4.092	223	26.86	29.77	29.1	0
8/16/20 11:30	3.984	272.9	31.56	30.25	29.1	0
8/16/20 11:45	3.861	231.4	38.04	30.72	29.1	0
8/16/20 12:00	2.908	289.7	38.42	31.57	29.1	0
8/16/20 12:15	4.422	278.6	13.26	31.84	29.1	0
8/16/20 12:30	5.335	269.2	16.6	32.24	29.1	0
8/16/20 12:45	5.49	286.6	25.15	32.7	29.1	0
8/16/20 13:00	7.332	262.4	10.57	32.8	29.08	0
8/16/20 13:15	5.721	268.1	19.65	33.16	29.08	0
8/16/20 13:30	5.441	271.3	19.94	33.68	29.08	0
8/16/20 13:45	7.155	252.1	13.89	33.84	29.08	0
8/16/20 14:00	7.706	261.4	12.18	33.66	29.07	0
8/16/20 14:15	5.455	285.3	20.54	33.88	29.07	0
8/16/20 14:30	7.271	270.8	16.62	34.43	29.07	0
8/16/20 14:45	6.507	273.4	15.03	34.45	29.07	0
8/16/20 15:00	7.419	234.4	15	34.31	29.09	0
8/16/20 15:15	5.923	249.2	10.47	33.96	29.09	0
8/16/20 15:30	5.714	222.6	16.29	33.89	29.09	0
8/16/20 15:45	5.408	230.9	11.33	33.7	29.09	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/16/20 16:00	6.48	234.4	10.63	33.59	29.08	0
8/16/20 16:15	3.447	221.5	18.15	33.69	29.08	0
8/16/20 16:30	3.232	199.9	17.13	33.6	29.08	0
8/16/20 16:45	3.22	174.9	26.98	33.59	29.08	0
8/16/20 17:00	2.508	112.3	6.129	33.24	29.06	0
8/16/20 17:15	4.496	112.5	6.067	32.68	29.06	0
8/16/20 17:30	3.582	120.3	3.546	32.62	29.06	0
8/16/20 17:45	4.537	145.9	16.73	33.09	29.06	0
8/16/20 18:00	3.617	154	12.75	32.77	29.1	0
8/16/20 18:15	3.042	110.1	16.29	31.3	29.1	0
8/16/20 18:30	2.267	109.5	24.74	31.28	29.1	0
8/16/20 18:45	3.309	144.5	11.63	31.14	29.1	0
8/16/20 19:00	3.205	139.8	12.62	30.63	29.11	0
8/16/20 19:15	7.308	180.4	62.3	30.35	29.11	0
8/16/20 19:30	6.784	240.2	8.78	30.23	29.11	0
8/16/20 19:45	7.789	236.8	7.612	30.5	29.11	0
8/16/20 20:00	3.31	97.9	75.7	28.93	29.14	0
8/16/20 20:15	3.818	85.2	7.771	28.5	29.14	0
8/16/20 20:30	2.417	243.6	62.73	28.83	29.14	0
8/16/20 20:45	3.608	274.9	11.2	29.53	29.14	0
8/16/20 21:00	3.802	2.043	43.6	28.32	29.13	0
8/16/20 21:15	3.01	108.5	64.62	27.25	29.13	0
8/16/20 21:30	1.798	95.9	37.23	28.29	29.13	0
8/16/20 21:45	9.39	222.3	9.16	26.72	29.13	0
8/16/20 22:00	6.621	261.6	47.1	26.16	29.15	0
8/16/20 22:15	1.65	350	19.74	25.62	29.15	0
8/16/20 22:30	0.359	305	19.62	26.12	29.15	0
8/16/20 22:45	2.985	256.3	10.66	26.17	29.15	0
8/16/20 23:00	4.751	216.2	12.53	25.84	29.16	0
8/16/20 23:15	4.522	176.3	9.06	25.05	29.16	0
8/16/20 23:30	5.903	179.7	9.38	24.75	29.16	0
8/16/20 23:45	6.654	175.8	10.39	24.13	29.16	0
8/17/20 0:00	6.642	169.5	9.35	23.64	29.17	0
8/17/20 0:15	5.772	153	8.12	23.05	29.17	0
8/17/20 0:30	5.151	167.2	9.03	23.73	29.17	0
8/17/20 0:45	3.601	138.7	7.452	23.63	29.17	0
8/17/20 1:00	2.955	153.7	10.83	23.74	29.18	0
8/17/20 1:15	2.719	140.6	11.17	24	29.18	0
8/17/20 1:30	5.492	166.5	20.77	23.48	29.18	0
8/17/20 1:45	7.174	183.7	5.121	22.68	29.18	0
8/17/20 2:00	6.855	182.8	5.419	22.15	29.17	0
8/17/20 2:15	5.084	180.3	6.116	21.85	29.17	0
8/17/20 2:30	3.777	191.3	17.33	22.17	29.17	0
8/17/20 2:45	4.028	222.7	16.15	22.45	29.17	0
8/17/20 3:00	2.102	233.3	11.74	22.24	29.21	0
8/17/20 3:15	0.497	250.9	19.44	22.24	29.21	0
8/17/20 3:30	0.722	290	25.92	22.34	29.21	0
8/17/20 3:45	0.163	309.6	0.017	22.29	29.21	0
8/17/20 4:00	0.468	210.4	27.8	21.96	29.21	0
8/17/20 4:15	1.139	151.1	31.17	21.7	29.21	0
8/17/20 4:30	1.582	187.6	7.353	22.28	29.21	0
8/17/20 4:45	2.694	166	7.934	22.12	29.21	0
8/17/20 5:00	3.603	145.1	6.747	21.21	29.23	0
8/17/20 5:15	3.107	140.2	17.48	20.45	29.23	0
8/17/20 5:30	5.449	191	8.48	19.7	29.23	0
8/17/20 5:45	6.311	187.1	4.933	19.89	29.23	0
8/17/20 6:00	5.499	194.7	5.833	20.15	29.26	0
8/17/20 6:15	6.613	196.1	5.512	19.91	29.26	0
8/17/20 6:30	5.957	193.5	6.113	19.7	29.26	0
8/17/20 6:45	7.062	197.5	9.11	19.92	29.26	0
8/17/20 7:00	5.274	193	9.57	19.99	29.29	0
8/17/20 7:15	3.918	185.2	10.03	20.12	29.29	0
8/17/20 7:30	3.836	195.9	13.91	20.45	29.29	0
8/17/20 7:45	5.045	193.6	12.07	20.87	29.29	0
8/17/20 8:00	6.73	195.8	9.23	20.74	29.28	0
8/17/20 8:15	7.438	195.6	10.72	21.12	29.28	0
8/17/20 8:30	8.01	180.8	10.44	21.27	29.28	0
8/17/20 8:45	6.143	160.9	21.57	21.97	29.28	0
8/17/20 9:00	5.42	171.2	21.57	22.52	29.29	0
8/17/20 9:15	5.033	186.2	20.9	22.46	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/17/20 9:30	4.743	141.4	19.9	23.28	29.29	0
8/17/20 9:45	3.871	187.6	41.59	23.51	29.29	0
8/17/20 10:00	3.292	210.2	39.82	23.71	29.26	0
8/17/20 10:15	3.881	210.6	34.65	24.16	29.26	0
8/17/20 10:30	4.516	242.9	50.88	24.46	29.26	0
8/17/20 10:45	5.13	229.2	15.52	24.91	29.26	0
8/17/20 11:00	5.338	236.3	37.36	25.4	29.27	0
8/17/20 11:15	4.595	189.7	26.5	25.57	29.27	0
8/17/20 11:30	5.732	231.9	30.49	26.29	29.27	0
8/17/20 11:45	5.073	259.9	31.66	26.51	29.27	0
8/17/20 12:00	4.608	276.1	34.39	26.43	29.26	0
8/17/20 12:15	5.734	239.3	18.75	26.82	29.26	0
8/17/20 12:30	7.164	262.6	14.87	27	29.26	0
8/17/20 12:45	6.539	275.6	21.04	27.13	29.26	0
8/17/20 13:00	5.275	261.8	18.87	27.65	29.25	0
8/17/20 13:15	5.014	275.8	29.21	28.04	29.25	0
8/17/20 13:30	6.079	280.9	23.38	28.11	29.25	0
8/17/20 13:45	6.191	261.1	22.22	28.32	29.25	0
8/17/20 14:00	6.374	257	23.3	28.52	29.25	0
8/17/20 14:15	4.969	278.5	23.6	28.65	29.25	0
8/17/20 14:30	4.675	276.4	23.47	28.9	29.25	0
8/17/20 14:45	4.287	288.5	16.26	29.09	29.25	0
8/17/20 15:00	5.313	289.9	25.57	29.4	29.25	0
8/17/20 15:15	4.193	289.9	25.45	29.71	29.25	0
8/17/20 15:30	4.539	267.7	43.75	30.35	29.25	0
8/17/20 15:45	4.485	274.7	34.85	30.08	29.25	0
8/17/20 16:00	3.837	281.6	36.66	30.17	29.22	0
8/17/20 16:15	3.432	259.9	50.79	30.09	29.22	0
8/17/20 16:30	4.057	306.4	30.12	30.31	29.22	0
8/17/20 16:45	5.627	298.9	22.14	29.99	29.22	0
8/17/20 17:00	6.188	276.4	14.81	29.8	29.2	0
8/17/20 17:15	6.116	296.2	14.44	29.87	29.2	0
8/17/20 17:30	7.149	296	12.19	29.6	29.2	0
8/17/20 17:45	5.668	313.8	10.66	29.47	29.2	0
8/17/20 18:00	6.001	304	8.31	29.23	29.19	0
8/17/20 18:15	6.084	314	9.3	28.8	29.19	0
8/17/20 18:30	5.542	294.4	7.403	28.76	29.19	0
8/17/20 18:45	4.849	283	7.518	28.42	29.19	0
8/17/20 19:00	4.585	281.6	4.271	28.09	29.21	0
8/17/20 19:15	4.759	285	3.431	27.68	29.21	0
8/17/20 19:30	4.191	303.3	11	27.06	29.21	0
8/17/20 19:45	1.521	354.4	23.53	26.36	29.21	0
8/17/20 20:00	2.952	316.2	13.07	26.7	29.2	0
8/17/20 20:15	5.351	278.9	6.476	25.19	29.2	0
8/17/20 20:30	3.989	353.3	32.56	23.92	29.2	0
8/17/20 20:45	4.318	2.936	11.27	23.66	29.2	0
8/17/20 21:00	3.471	19.11	10.16	23.41	29.2	0
8/17/20 21:15	4.3	6.912	11.11	23.08	29.2	0
8/17/20 21:30	4.856	32.18	8.12	22.2	29.2	0
8/17/20 21:45	4.557	16.08	7.42	21.54	29.2	0
8/17/20 22:00	5.239	14.84	3.711	20.79	29.21	0
8/17/20 22:15	4.886	16.54	5.683	20.74	29.21	0
8/17/20 22:30	4.467	6.926	6.083	20.76	29.21	0
8/17/20 22:45	4.139	10.63	3.758	20.36	29.21	0
8/17/20 23:00	3.501	8.18	5.343	20.24	29.22	0
8/17/20 23:15	2.977	10.94	6.852	20	29.22	0
8/17/20 23:30	3.485	11.84	4.659	19.87	29.22	0
8/17/20 23:45	1.783	27.77	8.2	19.8	29.22	0
8/18/20 0:00	3.14	134.2	16.07	20.01	29.24	0
8/18/20 0:15	5.477	159.1	6.597	20.27	29.24	0
8/18/20 0:30	5.385	167.8	7.122	19.92	29.24	0
8/18/20 0:45	4.287	142.1	13.62	19.42	29.24	0
8/18/20 1:00	3.826	131.1	7.241	19.74	29.23	0
8/18/20 1:15	5.105	161.9	13.13	19.91	29.23	0
8/18/20 1:30	5.833	192.3	6.744	19.39	29.23	0
8/18/20 1:45	4.482	193.7	5.92	19.32	29.23	0
8/18/20 2:00	4.501	174.9	5.172	19	29.24	0
8/18/20 2:15	4.592	177.5	2.997	18.84	29.24	0
8/18/20 2:30	4.976	170.1	10.17	18.81	29.24	0
8/18/20 2:45	4.454	166	8.1	18.25	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/18/20 3:00	4.244	164.8	4.252	18.06	29.23	0
8/18/20 3:15	5.908	182.1	10.34	17.93	29.23	0
8/18/20 3:30	4.479	178.4	7.665	17.5	29.23	0
8/18/20 3:45	4.828	183.9	10.3	17.1	29.23	0
8/18/20 4:00	4.297	190.3	16.02	17.14	29.25	0
8/18/20 4:15	3.193	159.8	21.62	16.67	29.25	0
8/18/20 4:30	2.963	177.5	11.74	16.81	29.25	0
8/18/20 4:45	2.246	121.3	10.34	16.59	29.25	0
8/18/20 5:00	1.731	144	28.69	16.5	29.28	0
8/18/20 5:15	2.375	201.3	14.79	16.55	29.28	0
8/18/20 5:30	2.966	183.2	11.61	16.45	29.28	0
8/18/20 5:45	3.896	197.4	13.23	16.47	29.28	0
8/18/20 6:00	5.332	214.3	7.338	16.61	29.29	0
8/18/20 6:15	5.17	211.9	7.173	16.5	29.29	0
8/18/20 6:30	4.316	207.5	8.92	16.42	29.29	0
8/18/20 6:45	5.018	195.4	14.47	16.41	29.29	0
8/18/20 7:00	4.866	203	13.28	16.47	29.3	0
8/18/20 7:15	4.185	158.9	22.51	16.39	29.3	0
8/18/20 7:30	4.769	146	13.51	16.28	29.3	0
8/18/20 7:45	4.759	164.6	11.65	16.35	29.3	0
8/18/20 8:00	4.956	152.5	15.95	16.42	29.31	0
8/18/20 8:15	5.501	152.2	17.99	16.56	29.31	0
8/18/20 8:30	4.863	162.7	11.82	16.58	29.31	0
8/18/20 8:45	4.22	156.5	18.13	16.86	29.31	0
8/18/20 9:00	4.37	135.3	15.34	17.47	29.34	0
8/18/20 9:15	4.487	132.8	25.38	17.61	29.34	0
8/18/20 9:30	4.424	111.2	13.72	17.54	29.34	0
8/18/20 9:45	4.091	146	33.8	18.02	29.34	0
8/18/20 10:00	4.439	108	19.5	18.36	29.33	0
8/18/20 10:15	4.264	133.9	17.89	18.67	29.33	0
8/18/20 10:30	4.347	156.4	19.49	18.77	29.33	0
8/18/20 10:45	5.569	160.2	22.83	18.87	29.33	0
8/18/20 11:00	4.01	150.2	33.41	19.26	29.33	0
8/18/20 11:15	5.564	115	19.19	19.1	29.33	0
8/18/20 11:30	5.632	133.4	15.5	19.41	29.33	0
8/18/20 11:45	5.002	129.4	27.42	19.61	29.33	0
8/18/20 12:00	5.859	150.8	22.37	20.28	29.35	0
8/18/20 12:15	5.782	122.4	21.87	21.34	29.35	0
8/18/20 12:30	4.951	110.8	26.21	22.05	29.35	0
8/18/20 12:45	4.168	162.6	44.25	20.94	29.35	0
8/18/20 13:00	3.534	120.7	27.21	21.17	29.32	0
8/18/20 13:15	3.113	130.2	52.34	22.32	29.32	0
8/18/20 13:30	5.18	113	31.01	22.98	29.32	0
8/18/20 13:45	4.276	229.2	67.8	23.24	29.32	0
8/18/20 14:00	5.04	127.1	70.62	23.67	29.31	0
8/18/20 14:15	4.462	72.49	36.84	23.9	29.31	0
8/18/20 14:30	4.016	66.34	33.09	23.5	29.31	0
8/18/20 14:45	3.103	19.58	55.62	23.85	29.31	0
8/18/20 15:00	3.882	335.1	21.3	24.07	29.26	0
8/18/20 15:15	2.664	9.52	27.57	24.95	29.26	0
8/18/20 15:30	3.55	14.52	29.35	24.81	29.26	0
8/18/20 15:45	3.663	105.1	28.88	25.23	29.26	0
8/18/20 16:00	4.346	48.1	20.92	24.72	29.26	0
8/18/20 16:15	2.854	301.7	64.21	25.66	29.26	0
8/18/20 16:30	3.237	291	46.55	25.55	29.26	0
8/18/20 16:45	4.707	310.3	19.86	25.58	29.26	0
8/18/20 17:00	5.647	304.3	13.69	25.43	29.24	0
8/18/20 17:15	7.037	303.3	19.73	25.18	29.24	0
8/18/20 17:30	7.283	304	7.469	24.82	29.24	0
8/18/20 17:45	7.472	303.6	7.296	24.75	29.24	0
8/18/20 18:00	7.505	305.3	7.09	24.45	29.24	0
8/18/20 18:15	7.98	305.5	4.932	24.17	29.24	0
8/18/20 18:30	6.637	303.6	5.208	23.92	29.24	0
8/18/20 18:45	7	291.8	5.978	23.68	29.24	0
8/18/20 19:00	6.351	286	4.767	23.21	29.22	0
8/18/20 19:15	6.847	291.7	4.405	22.33	29.22	0
8/18/20 19:30	7.238	318.4	12.06	21.33	29.22	0
8/18/20 19:45	4.793	318.5	15.5	21.22	29.22	0
8/18/20 20:00	5.349	329.6	18.33	20.8	29.23	0
8/18/20 20:15	6.361	342.1	18.43	20.52	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/18/20 20:30	6.454	354.1	13.18	20.28	29.23	0
8/18/20 20:45	6.792	10.63	16.02	19.95	29.23	0
8/18/20 21:00	6.667	20.66	11.07	19.41	29.23	0
8/18/20 21:15	7.482	17.02	9.77	18.99	29.23	0
8/18/20 21:30	10.21	14.01	8.28	18.81	29.23	0
8/18/20 21:45	9.45	10.88	10.26	18.53	29.23	0
8/18/20 22:00	9.58	7.741	9.91	18.33	29.25	0
8/18/20 22:15	7.893	12.56	11.12	17.92	29.25	0
8/18/20 22:30	8.23	10.81	10.11	17.67	29.25	0
8/18/20 22:45	8.13	16.34	11.82	17.66	29.25	0
8/18/20 23:00	7.445	19.64	8.33	17.35	29.24	0
8/18/20 23:15	6.87	24.86	11.01	17.08	29.24	0
8/18/20 23:30	7.128	27.53	7.785	16.93	29.24	0
8/18/20 23:45	7.947	25.59	10.97	16.84	29.24	0
8/19/20 0:00	4.623	57.23	15.39	16.75	29.23	0
8/19/20 0:15	3.374	83.5	11	16.5	29.23	0
8/19/20 0:30	4.059	109.3	8.22	16.53	29.23	0
8/19/20 0:45	3.624	107.1	7.803	15.98	29.23	0
8/19/20 1:00	4.157	125.4	10.42	16.23	29.23	0
8/19/20 1:15	4.104	135.6	6.224	16.08	29.23	0
8/19/20 1:30	3.555	125.5	5.166	16.04	29.23	0
8/19/20 1:45	2.83	115	16.9	15.66	29.23	0
8/19/20 2:00	2.132	96	23	15.21	29.21	0
8/19/20 2:15	3.436	162.4	12.8	15.62	29.21	0
8/19/20 2:30	3.806	167.7	4.736	15.86	29.21	0
8/19/20 2:45	2.178	103.7	46.16	15.23	29.21	0
8/19/20 3:00	2.408	56.85	4.544	14.79	29.22	0
8/19/20 3:15	2.559	91.4	12.05	15.06	29.22	0
8/19/20 3:30	2.857	108.5	5.84	15.24	29.22	0
8/19/20 3:45	2.949	63.48	10.86	14.61	29.22	0
8/19/20 4:00	2.195	57.23	8.17	14.71	29.2	0
8/19/20 4:15	2.577	95.3	9.56	15.14	29.2	0
8/19/20 4:30	2.565	112.5	7.528	14.8	29.2	0
8/19/20 4:45	2.817	97.2	15.34	14.4	29.2	0
8/19/20 5:00	3.522	115.6	4.246	14.42	29.2	0
8/19/20 5:15	2.775	131.2	3.962	14.63	29.2	0
8/19/20 5:30	2.749	128.8	5.416	14.65	29.2	0
8/19/20 5:45	2.8	146.9	9.35	14.6	29.2	0
8/19/20 6:00	1.605	114.7	42.45	14.98	29.21	0
8/19/20 6:15	1.237	103.7	42.3	15.45	29.21	0
8/19/20 6:30	2.406	146.9	7.016	15.48	29.21	0
8/19/20 6:45	2.058	147.2	17.11	15.91	29.21	0
8/19/20 7:00	3.867	185	9.72	15.85	29.21	0
8/19/20 7:15	2.52	154.9	17.48	16.11	29.21	0
8/19/20 7:30	3.272	152.6	17.79	16.56	29.21	0
8/19/20 7:45	5.168	180.2	9.7	16.6	29.21	0
8/19/20 8:00	4.23	159.1	16.23	17.19	29.22	0
8/19/20 8:15	3.108	152.1	33.09	17.89	29.22	0
8/19/20 8:30	3.032	139.7	36.35	18.92	29.22	0
8/19/20 8:45	1.995	187.1	44.85	19.14	29.22	0
8/19/20 9:00	2.519	139.2	58.1	20.13	29.2	0
8/19/20 9:15	3.14	207.6	17	19.63	29.2	0
8/19/20 9:30	1.717	240.7	52.14	20.27	29.2	0
8/19/20 9:45	3.942	224.6	21.71	20.77	29.2	0
8/19/20 10:00	3.086	280.5	31.57	21.27	29.19	0
8/19/20 10:15	3.188	245.7	44.68	21.75	29.19	0
8/19/20 10:30	2.565	244	38.8	21.88	29.19	0
8/19/20 10:45	3.624	190.9	37.15	22.72	29.19	0
8/19/20 11:00	3.494	276.5	56.42	22.73	29.15	0
8/19/20 11:15	3.568	153.3	38.05	23.66	29.15	0
8/19/20 11:30	3.165	159.6	49.44	24.15	29.15	0
8/19/20 11:45	2.873	181	71.55	24.49	29.15	0
8/19/20 12:00	5.649	199.5	26.01	24.68	29.13	0
8/19/20 12:15	2.858	249.3	40.89	24.83	29.13	0
8/19/20 12:30	7.396	239.6	20.74	24.96	29.13	0
8/19/20 12:45	3.589	173.4	70.07	25.97	29.13	0
8/19/20 13:00	6.23	207.4	14.56	25.47	29.12	0
8/19/20 13:15	4.598	243.3	30.55	25.99	29.12	0
8/19/20 13:30	6.51	263.7	24.07	25.85	29.12	0
8/19/20 13:45	6.437	267.3	24.4	25.89	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/19/20 14:00	4.703	253.9	31.08	25.84	29.12	0
8/19/20 14:15	4.012	250.7	40.12	26.32	29.12	0
8/19/20 14:30	5.468	252.5	27.6	26.25	29.12	0
8/19/20 14:45	6.317	262.3	20.54	26.5	29.12	0
8/19/20 15:00	6.268	259.8	21.9	26.6	29.12	0
8/19/20 15:15	5.953	251.1	20.58	26.48	29.12	0
8/19/20 15:30	3.828	261.4	43.25	26.5	29.12	0
8/19/20 15:45	4.293	219.5	32.36	26.41	29.12	0
8/19/20 16:00	5.293	223.1	19.41	26.52	29.1	0
8/19/20 16:15	5.912	228.4	26.24	26.78	29.1	0
8/19/20 16:30	4.977	193.3	21.4	26.48	29.1	0
8/19/20 16:45	5.178	216.2	30.47	26.46	29.1	0
8/19/20 17:00	5.789	225.5	12.41	26.52	29.09	0
8/19/20 17:15	7.565	234.3	9.95	26.02	29.09	0
8/19/20 17:30	7.753	234.4	12.02	25.65	29.09	0
8/19/20 17:45	6.097	217.1	10.44	25.76	29.09	0
8/19/20 18:00	6.224	219.8	9.41	25.94	29.06	0
8/19/20 18:15	4.861	226.8	13.64	25.48	29.06	0
8/19/20 18:30	4.478	219	6.721	25.24	29.06	0
8/19/20 18:45	4.466	230.7	8.95	24.91	29.06	0
8/19/20 19:00	3.455	252.3	8.77	24.52	29.06	0
8/19/20 19:15	6.146	242.7	5.443	24.24	29.06	0
8/19/20 19:30	6.22	254.4	7.377	23.79	29.06	0
8/19/20 19:45	9.71	248.3	6.811	23.27	29.06	0
8/19/20 20:00	10.22	248	6.793	22.83	29.06	0
8/19/20 20:15	8.75	235.8	7.221	22.51	29.06	0
8/19/20 20:30	7.781	233.1	10.01	22.18	29.06	0
8/19/20 20:45	3.497	202.9	57.45	21.74	29.06	0
8/19/20 21:00	1.807	133	46.99	21.13	29.1	0
8/19/20 21:15	4.017	201.5	13.69	21.19	29.1	0
8/19/20 21:30	5.954	222.3	10.6	20.71	29.1	0
8/19/20 21:45	4.386	212.8	9.93	20.46	29.1	0
8/19/20 22:00	5.139	220.6	7.103	20.3	29.1	0
8/19/20 22:15	6.872	214.9	13.3	20.03	29.1	0
8/19/20 22:30	8.59	193.9	7.573	19.65	29.1	0
8/19/20 22:45	9.2	202	8.95	19.21	29.1	0
8/19/20 23:00	6.246	148	16.59	18.54	29.11	0
8/19/20 23:15	6.537	143.5	11.25	18.22	29.11	0
8/19/20 23:30	5.756	165.4	7.778	18.39	29.11	0
8/19/20 23:45	5.826	166.2	8.01	18.29	29.11	0
8/20/20 0:00	4.836	169.4	7.732	18.05	29.14	0
8/20/20 0:15	4.637	162.2	9.83	17.72	29.14	0
8/20/20 0:30	4.151	147.9	14.95	17.43	29.14	0
8/20/20 0:45	4.452	158.9	10.14	17.28	29.14	0
8/20/20 1:00	5.743	147.2	6.722	17.26	29.12	0
8/20/20 1:15	5.646	137.6	12.93	17.33	29.12	0
8/20/20 1:30	6.054	141.4	6.865	17.33	29.12	0
8/20/20 1:45	4.712	144.9	8.33	17.2	29.12	0
8/20/20 2:00	3.643	130.7	10.16	17.34	29.09	0
8/20/20 2:15	6.62	166.4	13.27	17.54	29.09	0
8/20/20 2:30	6.881	152.2	9.94	17.08	29.09	0
8/20/20 2:45	7.337	139.4	6.228	16.85	29.09	0
8/20/20 3:00	5.374	120.6	15.29	16.85	29.1	0
8/20/20 3:15	3.884	122.8	25.31	16.69	29.1	0
8/20/20 3:30	5.549	189.8	18.6	16.86	29.1	0
8/20/20 3:45	5.126	175.8	17.12	16.7	29.1	0
8/20/20 4:00	4.037	98.4	30.37	16.13	29.11	0
8/20/20 4:15	3.939	107.1	11.08	16.44	29.11	0
8/20/20 4:30	4.331	118.2	7.076	16.69	29.11	0
8/20/20 4:45	3.098	133.1	11.65	16.74	29.11	0
8/20/20 5:00	3.877	166.7	26.85	16.69	29.12	0
8/20/20 5:15	4.592	205.7	13.39	16.39	29.12	0
8/20/20 5:30	5.841	187.4	10.97	16.6	29.12	0
8/20/20 5:45	4.955	142.2	18.37	16.32	29.12	0
8/20/20 6:00	4.498	96.4	15.51	16.11	29.12	0
8/20/20 6:15	3.972	104.4	10.35	16.22	29.12	0
8/20/20 6:30	6.074	99.8	6.589	16.4	29.12	0
8/20/20 6:45	6.311	88.2	11.21	16.67	29.12	0
8/20/20 7:00	2.903	106.2	26.94	17.01	29.1	0
8/20/20 7:15	2.809	194.1	16.29	17.79	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/20/20 7:30	2.559	153.4	28.19	18.15	29.1	0
8/20/20 7:45	2.571	162	27.25	18.57	29.1	0
8/20/20 8:00	1.493	165	15.24	18.8	29.12	0
8/20/20 8:15	1.152	214.8	18	19.86	29.12	0
8/20/20 8:30	3.395	222.2	20.99	19.93	29.12	0
8/20/20 8:45	3.496	216.9	12.68	19.87	29.12	0
8/20/20 9:00	4.007	190.2	19.4	20.5	29.1	0
8/20/20 9:15	1.948	199.5	33.69	21.03	29.1	0
8/20/20 9:30	2.758	159.3	76.18	21.55	29.1	0
8/20/20 9:45	3.372	143.6	40.92	22.52	29.1	0
8/20/20 10:00	3.122	168.2	37.87	22.67	29.08	0
8/20/20 10:15	2.427	202.9	62.24	23.02	29.08	0
8/20/20 10:30	5.951	220.1	29.18	22.99	29.08	0
8/20/20 10:45	5.934	226.8	18.55	23.12	29.08	0
8/20/20 11:00	2.783	206.1	49.13	23.72	29.08	0
8/20/20 11:15	3.15	262.6	62.37	23.88	29.08	0
8/20/20 11:30	8.73	208	13.79	23.82	29.08	0
8/20/20 11:45	8.88	208.6	17.6	23.83	29.08	0
8/20/20 12:00	10.37	232.4	13.18	24.25	29.08	0
8/20/20 12:15	7.565	216.7	21.74	24.28	29.08	0
8/20/20 12:30	5.069	204.2	49.7	24.56	29.08	0
8/20/20 12:45	7.226	223.2	24.81	24.22	29.08	0
8/20/20 13:00	9.59	209.1	12.26	24.29	29.05	0
8/20/20 13:15	7.452	214.8	13.25	23.95	29.05	0
8/20/20 13:30	4.885	218.4	24.3	24.16	29.05	0
8/20/20 13:45	5.318	212.7	24.82	23.88	29.05	0
8/20/20 14:00	4.381	232.5	24.67	24.04	29.05	0
8/20/20 14:15	3.362	230.6	25.94	23.87	29.05	0
8/20/20 14:30	3.903	253.8	27.7	24.17	29.05	0
8/20/20 14:45	4.725	233	24.72	24.27	29.05	0
8/20/20 15:00	4.851	241.9	22.9	24.09	29.05	0
8/20/20 15:15	4.066	239.1	18.36	24.12	29.05	0
8/20/20 15:30	3.799	249.7	24.59	24.75	29.05	0
8/20/20 15:45	3.508	222.4	36.46	24.63	29.05	0
8/20/20 16:00	3.979	154.7	21.42	24.54	29.02	0
8/20/20 16:15	3.179	99.7	42.33	24.71	29.02	0
8/20/20 16:30	3.638	175.3	28.57	25.2	29.02	0
8/20/20 16:45	3.959	196.1	23.3	25.23	29.02	0
8/20/20 17:00	3.744	225.5	24.46	24.9	29.01	0
8/20/20 17:15	4.871	180.2	10.24	24.57	29.01	0
8/20/20 17:30	1.977	144.2	48.52	24.67	29.01	0
8/20/20 17:45	2.826	107.7	6.678	24.43	29.01	0
8/20/20 18:00	1.062	116.3	7.992	24.34	29.01	0
8/20/20 18:15	3.441	285.3	19.99	24.38	29.01	0
8/20/20 18:30	6.058	277.3	13.18	24.05	29.01	0
8/20/20 18:45	6.359	273.7	9.86	23.39	29.01	0
8/20/20 19:00	5.143	286.1	11.06	22.94	29	0
8/20/20 19:15	5.921	264	6.223	22.99	29	0
8/20/20 19:30	6.669	253.9	5.422	22.5	29	0
8/20/20 19:45	7.042	254.5	5.399	21.29	29	0
8/20/20 20:00	5.807	258.7	5.463	20.84	29.01	0
8/20/20 20:15	5.322	253.9	7.342	20.7	29.01	0
8/20/20 20:30	6.96	235	6.42	20.31	29.01	0
8/20/20 20:45	4.619	228.6	8.35	20.1	29.01	0
8/20/20 21:00	3.648	188.1	20.57	19.78	29.03	0
8/20/20 21:15	3.039	153.1	16.56	19.36	29.03	0
8/20/20 21:30	2.784	120.9	35.27	19.22	29.03	0
8/20/20 21:45	4.497	175.5	10.28	19.43	29.03	0
8/20/20 22:00	2.585	113.5	41.3	18.86	29.01	0
8/20/20 22:15	3.367	99.8	17.9	18.55	29.01	0
8/20/20 22:30	4.141	141.9	18.93	18.64	29.01	0
8/20/20 22:45	4.141	165.7	7.776	18.9	29.01	0.01
8/20/20 23:00	4.313	127.1	8.34	18.25	29	0
8/20/20 23:15	5.861	124.6	7.851	18.13	29	0
8/20/20 23:30	5.294	108.7	12.27	18.04	29	0
8/20/20 23:45	6.549	89.2	7.958	17.96	29	0
8/21/20 0:00	5.295	92	7.135	18.08	29	0
8/21/20 0:15	5.195	114.9	10.5	18.38	29	0
8/21/20 0:30	6.29	144.5	14.44	18.92	29	0
8/21/20 0:45	5.813	157.2	16.66	18.63	29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/21/20 1:00	5.308	120.3	14.19	18.68	29	0
8/21/20 1:15	5.619	122.8	6.189	19.2	29	0
8/21/20 1:30	3.96	133.7	10.78	19.05	29	0
8/21/20 1:45	4.146	124.7	6.082	19.09	29	0
8/21/20 2:00	5.592	122.5	4.978	19.38	28.99	0
8/21/20 2:15	6.153	125.1	5.501	19.34	28.99	0
8/21/20 2:30	5.812	131.3	6.909	19.58	28.99	0
8/21/20 2:45	5.123	151.4	9.85	19.56	28.99	0
8/21/20 3:00	5.476	180.9	14.44	19.91	28.99	0
8/21/20 3:15	5.482	193	8.08	19.49	28.99	0
8/21/20 3:30	4.434	189.1	7.592	19.01	28.99	0
8/21/20 3:45	5.44	204.8	13.71	18.63	28.99	0
8/21/20 4:00	5.421	230	14.94	18.5	29.01	0
8/21/20 4:15	6.59	251.6	7.649	18.26	29.01	0
8/21/20 4:30	4.744	271.9	28.77	18.05	29.01	0
8/21/20 4:45	1.062	288.4	27.69	17.85	29.01	0
8/21/20 5:00	1.75	300.2	32.07	17.74	28.98	0
8/21/20 5:15	1.455	324.1	6.694	17.57	28.98	0
8/21/20 5:30	1.645	27.04	15.85	17.43	28.98	0
8/21/20 5:45	1.487	21.04	1.786	17.48	28.98	0
8/21/20 6:00	2.024	74.65	41.67	17.67	29	0
8/21/20 6:15	5.007	167	18.73	18.03	29	0
8/21/20 6:30	5.237	184.2	13.06	18.02	29	0.01
8/21/20 6:45	4.459	167.1	10.04	17.44	29	0
8/21/20 7:00	4.551	190.1	6.636	17.63	29.01	0
8/21/20 7:15	5.764	163.5	10.87	17.66	29.01	0
8/21/20 7:30	5.381	165.4	10.48	18	29.01	0
8/21/20 7:45	3.235	115.4	36.67	17.89	29.01	0
8/21/20 8:00	2.779	134.2	28.26	17.97	28.99	0
8/21/20 8:15	2.551	91.7	11.7	17.98	28.99	0
8/21/20 8:30	3.89	107.8	7.161	18.19	28.99	0
8/21/20 8:45	3.985	111.7	9.56	18.56	28.99	0
8/21/20 9:00	4.389	115.8	12.83	18.7	29.02	0
8/21/20 9:15	5.814	147.7	14.05	19.02	29.02	0
8/21/20 9:30	5.069	166.3	10.97	19.35	29.02	0
8/21/20 9:45	5.681	138.8	31.86	19.91	29.02	0
8/21/20 10:00	3.974	178.4	20.06	20.4	29.02	0
8/21/20 10:15	4.577	175	23.25	20.48	29.02	0
8/21/20 10:30	7.015	187.2	18.09	20.68	29.02	0
8/21/20 10:45	12.76	193.8	13.12	21.24	29.02	0
8/21/20 11:00	11.89	222.4	13.6	19.74	29.04	0.02
8/21/20 11:15	9.68	184.7	18.88	19	29.04	0.01
8/21/20 11:30	8.44	168.9	13.39	19.09	29.04	0.01
8/21/20 11:45	6.996	153.6	15.12	19.16	29.04	0
8/21/20 12:00	6.739	172.2	11.72	19.07	29.06	0
8/21/20 12:15	4.662	159.2	16.75	19.43	29.06	0
8/21/20 12:30	4.589	174.8	21.46	19.73	29.06	0
8/21/20 12:45	13.07	203.2	10.92	20.04	29.06	0
8/21/20 13:00	21.86	195.5	9.63	19.55	29.07	0
8/21/20 13:15	13.95	186.2	11.22	19.82	29.07	0
8/21/20 13:30	15.23	177.4	11.13	19.27	29.07	0
8/21/20 13:45	13.43	173.3	13.04	18.28	29.07	0.01
8/21/20 14:00	10	167.3	12.12	18.06	29.08	0
8/21/20 14:15	7.631	170.7	16.61	17.99	29.08	0
8/21/20 14:30	11.52	152.8	14.41	17.72	29.08	0
8/21/20 14:45	7.854	145.1	14.25	18.1	29.08	0
8/21/20 15:00	8.93	148.5	11.36	18.29	29.11	0
8/21/20 15:15	7.726	121.5	12.73	18.12	29.11	0
8/21/20 15:30	8.07	136.1	10.21	18.12	29.11	0
8/21/20 15:45	8.55	133.8	12.6	18.17	29.11	0
8/21/20 16:00	9.16	143.9	11.86	18.2	29.09	0
8/21/20 16:15	8.6	148.1	10.98	17.82	29.09	0
8/21/20 16:30	9.4	142.5	10.58	17.82	29.09	0
8/21/20 16:45	10.11	147.8	9.46	18.06	29.09	0
8/21/20 17:00	9.54	139.5	10.75	18.08	29.11	0
8/21/20 17:15	8.12	135.3	8.78	17.72	29.11	0
8/21/20 17:30	8.86	142.6	10.3	16.96	29.11	0.1
8/21/20 17:45	4.4	110	76.14	16.69	29.11	0.08
8/21/20 18:00	4.431	198.5	59.81	16.82	29.1	0.02
8/21/20 18:15	5.594	125	13.44	16.62	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/21/20 18:30	3.662	120	7.187	16.66	29.1	0
8/21/20 18:45	4.567	128.2	12.81	16.79	29.1	0
8/21/20 19:00	3.742	123.8	10.52	16.65	29.1	0
8/21/20 19:15	4.834	137	5.781	16.54	29.1	0
8/21/20 19:30	6.433	135.8	6.369	16.52	29.1	0.01
8/21/20 19:45	7.409	147.2	7.563	16.53	29.1	0
8/21/20 20:00	7.396	144.4	8.32	16.55	29.12	0
8/21/20 20:15	9.64	141.1	8.27	16.48	29.12	0
8/21/20 20:30	10.73	144.4	8.58	16.37	29.12	0.01
8/21/20 20:45	12.77	159.7	13.18	16.07	29.12	0.05
8/21/20 21:00	13.41	150.4	10.37	15.45	29.16	0.02
8/21/20 21:15	13.02	142.1	8.33	15.02	29.16	0.01
8/21/20 21:30	7.371	158	20.44	14.85	29.16	0
8/21/20 21:45	6.53	155.8	34.62	14.68	29.16	0.08
8/21/20 22:00	6.306	116.5	12.94	14.26	29.2	0.03
8/21/20 22:15	7.276	112.4	10.17	14.06	29.2	0
8/21/20 22:30	6.159	137	13.38	13.96	29.2	0
8/21/20 22:45	6.751	119.7	8.77	14.02	29.2	0.01
8/21/20 23:00	6.02	124.6	7.715	14.03	29.18	0
8/21/20 23:15	5.052	122.6	10.85	14.11	29.18	0
8/21/20 23:30	4.565	114.7	11.21	14.15	29.18	0
8/21/20 23:45	4.44	118.9	9.58	14.07	29.18	0
8/22/20 0:00	5.847	139	8.88	14.14	29.21	0
8/22/20 0:15	6.251	139.3	6.835	14.21	29.21	0
8/22/20 0:30	5.762	136.9	5.974	14.2	29.21	0
8/22/20 0:45	5.372	140.7	6.976	14.27	29.21	0
8/22/20 1:00	5.198	147.1	7.391	14.26	29.25	0
8/22/20 1:15	5.555	145.6	9.25	14.2	29.25	0
8/22/20 1:30	3.729	143.5	10.59	14.09	29.25	0
8/22/20 1:45	3.091	151.7	6.169	14.29	29.25	0
8/22/20 2:00	2.822	146.8	7.161	14.36	29.24	0
8/22/20 2:15	3.055	137.6	10.14	14.4	29.24	0
8/22/20 2:30	2.117	134	6.44	14.37	29.24	0
8/22/20 2:45	3.16	130.7	9.75	14.4	29.24	0.01
8/22/20 3:00	2.15	171.2	24.75	14.55	29.26	0
8/22/20 3:15	2.882	165.4	24.95	14.68	29.26	0
8/22/20 3:30	2.221	136.4	40.68	14.45	29.26	0.01
8/22/20 3:45	1.84	78.02	5.444	14.16	29.26	0
8/22/20 4:00	2.654	98.6	12.77	14.18	29.28	0
8/22/20 4:15	2.232	145.3	17.21	14.35	29.28	0
8/22/20 4:30	1.716	154.7	15.77	14.48	29.28	0
8/22/20 4:45	0.218	117.8	0.982	14.37	29.28	0
8/22/20 5:00	0.654	117.1	0.157	14.42	29.27	0
8/22/20 5:15	0.1	111.3	1.455	14.5	29.27	0
8/22/20 5:30	2.74	47.65	23.08	14.35	29.27	0
8/22/20 5:45	8.15	16.76	10.58	13.4	29.27	0
8/22/20 6:00	10.21	4.016	12.41	13.17	29.28	0
8/22/20 6:15	10.27	356.5	13.67	13.08	29.28	0
8/22/20 6:30	11.29	7.505	8.96	12.81	29.28	0
8/22/20 6:45	9.63	1.356	12.86	12.95	29.28	0
8/22/20 7:00	8.16	2.07	14.99	13.29	29.31	0
8/22/20 7:15	8.91	3.523	17.73	13.87	29.31	0
8/22/20 7:30	8.66	13.47	12.33	13.98	29.31	0
8/22/20 7:45	6.565	18.2	14.48	14.27	29.31	0
8/22/20 8:00	5.138	50.59	11.67	14.59	29.32	0
8/22/20 8:15	5.914	53.1	14.83	15	29.32	0
8/22/20 8:30	6.386	35.51	19.63	15.88	29.32	0
8/22/20 8:45	6.028	27.11	11.42	16.28	29.32	0
8/22/20 9:00	4.792	28.07	15.72	16.67	29.31	0
8/22/20 9:15	5.534	20.68	14.04	17.13	29.31	0
8/22/20 9:30	4.797	23.8	20.84	17.51	29.31	0
8/22/20 9:45	5.512	19.22	20.64	17.78	29.31	0
8/22/20 10:00	4.69	14.96	18.1	18.05	29.33	0
8/22/20 10:15	5.04	14.16	29.03	18.31	29.33	0
8/22/20 10:30	6.709	6.623	19.94	18.03	29.33	0
8/22/20 10:45	6.637	27.15	8.98	17.68	29.33	0
8/22/20 11:00	4.314	30.46	17.82	18.17	29.31	0
8/22/20 11:15	5.338	22.12	37.23	19.07	29.31	0
8/22/20 11:30	7.052	23.56	16.17	19.25	29.31	0
8/22/20 11:45	9.68	26.84	12.03	20.12	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/22/20 12:00	9.18	19.23	17.83	20.43	29.31	0
8/22/20 12:15	9.71	16.11	14.12	19.96	29.31	0
8/22/20 12:30	7.527	16.67	11.34	19.62	29.31	0
8/22/20 12:45	4.093	36.16	26.29	20.23	29.31	0
8/22/20 13:00	7.117	19.83	26.99	20.7	29.31	0
8/22/20 13:15	8.29	10.94	17.83	21.27	29.31	0
8/22/20 13:30	8.79	340.1	28.55	20.99	29.31	0
8/22/20 13:45	7.13	348.7	34.08	21.32	29.31	0
8/22/20 14:00	9.13	25.31	16.57	20.67	29.28	0
8/22/20 14:15	7.048	348.2	34.18	21.41	29.28	0
8/22/20 14:30	7.685	12.42	21.14	21.54	29.28	0
8/22/20 14:45	7.753	359	18.24	21.77	29.28	0
8/22/20 15:00	7.637	353.6	33.84	22.13	29.26	0
8/22/20 15:15	8.11	330	29.52	22.01	29.26	0
8/22/20 15:30	8.29	320.5	28.38	22.02	29.26	0
8/22/20 15:45	8.58	330.6	29.48	22.17	29.26	0
8/22/20 16:00	9.58	308.6	16.26	22.18	29.25	0
8/22/20 16:15	9.52	315.4	16.22	22.13	29.25	0
8/22/20 16:30	11.1	302.9	10.76	21.84	29.25	0
8/22/20 16:45	9.94	314.6	14.16	21.67	29.25	0
8/22/20 17:00	10.51	306.7	15	21.47	29.25	0
8/22/20 17:15	9.87	317.1	13.99	21.24	29.25	0
8/22/20 17:30	10.37	309.9	9.68	21	29.25	0
8/22/20 17:45	7.322	321.6	15.85	20.79	29.25	0
8/22/20 18:00	10.14	319.8	10.54	20.18	29.25	0
8/22/20 18:15	8.55	319.6	8.1	19.84	29.25	0
8/22/20 18:30	11.02	319.3	12.77	19.4	29.25	0
8/22/20 18:45	9.82	315.6	8.35	18.86	29.25	0
8/22/20 19:00	8.19	314.3	11.64	18.37	29.24	0
8/22/20 19:15	6.657	305.7	10.91	18.01	29.24	0
8/22/20 19:30	5.155	310.2	19.55	17.72	29.24	0
8/22/20 19:45	5.663	313.6	21.01	17.62	29.24	0
8/22/20 20:00	7.69	325.6	9.63	17.31	29.23	0
8/22/20 20:15	3.147	335.7	31.4	16.81	29.23	0
8/22/20 20:30	1.974	3.792	25.24	16.55	29.23	0
8/22/20 20:45	3.06	354.5	30.77	16.22	29.23	0
8/22/20 21:00	5.488	352.3	15	16.01	29.23	0
8/22/20 21:15	2.993	11.23	35.05	15.6	29.23	0
8/22/20 21:30	6.545	5.372	19.07	15.43	29.23	0
8/22/20 21:45	6.7	352	26.77	15.51	29.23	0
8/22/20 22:00	4.338	20.1	30.65	15.08	29.24	0
8/22/20 22:15	5.607	40.88	17.63	14.77	29.24	0
8/22/20 22:30	8.82	37.36	10.1	14.57	29.24	0
8/22/20 22:45	8.44	35.5	11.85	14.52	29.24	0
8/22/20 23:00	8.41	22.8	10.91	14.34	29.22	0
8/22/20 23:15	10.88	19.59	6.504	14.22	29.22	0
8/22/20 23:30	10.46	15.78	8.77	14.05	29.22	0
8/22/20 23:45	11.88	6.005	7.601	14.06	29.22	0
8/23/20 0:00	11.43	3.26	8.77	14.03	29.2	0
8/23/20 0:15	11.81	1.694	10.58	14.05	29.2	0
8/23/20 0:30	11.7	358.4	12.1	14.08	29.2	0
8/23/20 0:45	9.36	358.9	11.89	13.93	29.2	0
8/23/20 1:00	9.35	9.5	4.825	13.58	29.19	0
8/23/20 1:15	8.5	11.53	7.773	13.11	29.19	0
8/23/20 1:30	3.43	45.23	20.72	12.45	29.19	0
8/23/20 1:45	1.962	52.81	21.06	12.4	29.19	0
8/23/20 2:00	2.568	53.36	17.12	12.16	29.2	0
8/23/20 2:15	3.821	42.34	6.347	12.07	29.2	0
8/23/20 2:30	2.479	32.38	7.306	12.06	29.2	0
8/23/20 2:45	1.749	17.51	22.93	12.23	29.2	0
8/23/20 3:00	2.889	29.48	7.843	11.97	29.21	0
8/23/20 3:15	2.732	43.54	5.983	11.98	29.21	0
8/23/20 3:30	2.731	41.49	11.6	11.81	29.21	0
8/23/20 3:45	1.793	60.71	16.61	11.72	29.21	0
8/23/20 4:00	3.315	13.45	4.081	11.85	29.21	0
8/23/20 4:15	3.017	14.71	5.647	11.4	29.21	0
8/23/20 4:30	3.159	32.3	11.46	11.22	29.21	0
8/23/20 4:45	2.496	66.57	23.82	11.22	29.21	0
8/23/20 5:00	1.598	76.97	3.103	11.16	29.2	0
8/23/20 5:15	0.226	82	2.177	11.59	29.2	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/23/20 5:30	0.883	191.5	34.99	12.07	29.2	0
8/23/20 5:45	0.965	181.9	19.75	11.71	29.2	0
8/23/20 6:00	0.58	210.4	36.81	11.91	29.21	0
8/23/20 6:15	0.206	352.7	0.408	12.71	29.21	0
8/23/20 6:30	0.207	356.3	3.872	13.01	29.21	0
8/23/20 6:45	0.18	41.99	1.901	14.39	29.21	0
8/23/20 7:00	0.567	47.67	19.33	14.57	29.21	0
8/23/20 7:15	2.009	26.87	36.31	14.22	29.21	0
8/23/20 7:30	2.269	252.9	23.76	14.21	29.21	0
8/23/20 7:45	2.265	273.5	35.58	14.28	29.21	0
8/23/20 8:00	3.042	13.56	31.08	14.71	29.21	0
8/23/20 8:15	2.366	19.18	18.98	14.69	29.21	0
8/23/20 8:30	2.348	13.37	21.66	15.49	29.21	0
8/23/20 8:45	2.19	73.72	47.93	16.32	29.21	0
8/23/20 9:00	2.486	60.06	32.13	16.57	29.22	0
8/23/20 9:15	1.632	104.2	42.73	17.1	29.22	0
8/23/20 9:30	1.792	196.5	76.72	17.73	29.22	0
8/23/20 9:45	2.718	215.5	46.85	17.83	29.22	0
8/23/20 10:00	2.908	213	40	18.04	29.22	0
8/23/20 10:15	2.544	195.4	65	18.42	29.22	0
8/23/20 10:30	4.458	281.9	23.9	19.25	29.22	0
8/23/20 10:45	5.876	273.9	25.28	19.35	29.22	0
8/23/20 11:00	5.73	258.6	26.81	19.33	29.2	0
8/23/20 11:15	7.46	265.1	51.78	20.04	29.2	0
8/23/20 11:30	6.279	341.8	31.46	20.53	29.2	0
8/23/20 11:45	6.798	336.9	20.66	20.67	29.2	0
8/23/20 12:00	8	349.9	21.88	21.01	29.18	0
8/23/20 12:15	6.551	332.5	24.72	21.48	29.18	0
8/23/20 12:30	7.658	354	32.77	21.21	29.18	0
8/23/20 12:45	8.94	14.91	16.99	21.63	29.18	0
8/23/20 13:00	8.09	16.73	16.84	21.53	29.15	0
8/23/20 13:15	5.555	335.2	24.14	22	29.15	0
8/23/20 13:30	9.46	298.5	14.01	22.44	29.15	0
8/23/20 13:45	8.6	300.8	17.55	22.63	29.15	0
8/23/20 14:00	6.907	299.7	26.1	22.79	29.16	0
8/23/20 14:15	6.906	285.6	14.85	23.02	29.16	0
8/23/20 14:30	7.464	307.6	27.08	23.06	29.16	0
8/23/20 14:45	5.151	319.4	24.77	23.23	29.16	0
8/23/20 15:00	5.776	325.5	34.24	23.66	29.15	0
8/23/20 15:15	6.4	316.4	21.94	23.75	29.15	0
8/23/20 15:30	6.666	324.4	23.77	23.6	29.15	0
8/23/20 15:45	5.388	351.6	24.77	23.61	29.15	0
8/23/20 16:00	6.272	340.3	16.02	23.58	29.12	0
8/23/20 16:15	6.457	320.6	22.41	23.57	29.12	0
8/23/20 16:30	8.71	294.3	11.55	23.37	29.12	0
8/23/20 16:45	9.2	287	13.6	23.26	29.12	0
8/23/20 17:00	10.23	291.5	11.24	22.85	29.11	0
8/23/20 17:15	8.89	304.5	15.48	22.76	29.11	0
8/23/20 17:30	9.35	291.5	7.844	22.67	29.11	0
8/23/20 17:45	9.1	291.9	10.57	22.32	29.11	0
8/23/20 18:00	9.95	293.9	6.403	21.67	29.13	0
8/23/20 18:15	9.39	293.2	7.237	21.23	29.13	0
8/23/20 18:30	9.54	299.4	5.755	20.59	29.13	0
8/23/20 18:45	6.988	310	11.6	20.09	29.13	0
8/23/20 19:00	5.892	327	14.31	19.61	29.14	0
8/23/20 19:15	7.379	344.3	14.1	19.5	29.14	0
8/23/20 19:30	7.098	350.3	14.58	19.2	29.14	0
8/23/20 19:45	8.02	356.1	15.26	18.71	29.14	0
8/23/20 20:00	7.674	4.494	10.45	18.07	29.13	0
8/23/20 20:15	7.828	1.367	11.77	18	29.13	0
8/23/20 20:30	6.185	19.28	15.89	17.29	29.13	0
8/23/20 20:45	7.509	15.26	6.761	16.97	29.13	0
8/23/20 21:00	6.092	20.35	13.12	16.75	29.13	0
8/23/20 21:15	7.019	12.96	11.49	16.59	29.13	0
8/23/20 21:30	9.18	6.852	13.45	16.75	29.13	0
8/23/20 21:45	9.62	13.21	10.32	16.44	29.13	0
8/23/20 22:00	9.44	14.05	11.42	16.47	29.12	0
8/23/20 22:15	9.58	10.83	11.43	16.45	29.12	0
8/23/20 22:30	8.5	12.38	9.67	16.03	29.12	0
8/23/20 22:45	7.875	0.287	11.9	15.98	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/23/20 23:00	6.133	16.98	12.97	15.7	29.14	0
8/23/20 23:15	6.568	18.17	8.89	15.13	29.14	0
8/23/20 23:30	7.625	17.13	5.86	14.74	29.14	0
8/23/20 23:45	7.424	18.5	6.885	14.52	29.14	0
8/24/20 0:00	10.36	15.13	8.38	14.5	29.13	0
8/24/20 0:15	9.57	9.56	9.55	14.25	29.13	0
8/24/20 0:30	11.04	10.02	6.654	14.09	29.13	0
8/24/20 0:45	8.66	14.44	9.17	13.9	29.13	0
8/24/20 1:00	9.33	19.5	7.097	13.85	29.14	0
8/24/20 1:15	8.82	21.54	8.7	13.81	29.14	0
8/24/20 1:30	6.629	26.93	7.276	13.48	29.14	0
8/24/20 1:45	6.554	31.16	7.249	13.29	29.14	0
8/24/20 2:00	5.003	47.98	10.03	13.19	29.15	0
8/24/20 2:15	4.824	55.25	10.85	13.28	29.15	0
8/24/20 2:30	3.046	48.33	7.408	13.39	29.15	0
8/24/20 2:45	3.226	41.91	11.63	13.31	29.15	0
8/24/20 3:00	3.004	52.55	16.59	13	29.15	0
8/24/20 3:15	3.251	35.07	6.08	12.43	29.15	0
8/24/20 3:30	3.709	22.22	4.934	12.05	29.15	0
8/24/20 3:45	3.27	6.567	5.803	12.32	29.15	0
8/24/20 4:00	3.61	14.69	5.785	12.53	29.14	0
8/24/20 4:15	4.403	18.52	9.69	12.38	29.14	0
8/24/20 4:30	6.057	29.13	8.01	11.74	29.14	0
8/24/20 4:45	5.924	23.56	13.16	11.38	29.14	0
8/24/20 5:00	4.996	29	14.88	11.58	29.17	0
8/24/20 5:15	4.922	48.53	9.26	12.15	29.17	0
8/24/20 5:30	4.204	39.93	12.89	12.5	29.17	0
8/24/20 5:45	3.38	20.14	3.875	12.22	29.17	0
8/24/20 6:00	3.179	26.17	4.571	12.51	29.16	0
8/24/20 6:15	2.576	25.64	7.364	13.19	29.16	0
8/24/20 6:30	2.012	27.06	5.096	13.6	29.16	0
8/24/20 6:45	1.832	29.07	10.97	13.93	29.16	0
8/24/20 7:00	1.718	321.9	21.31	14.17	29.18	0
8/24/20 7:15	0.867	114.1	11.01	14.77	29.18	0
8/24/20 7:30	1.261	172.1	31.59	14.96	29.18	0
8/24/20 7:45	1.9	264.5	23.56	15.44	29.18	0
8/24/20 8:00	2.276	216.3	21.4	15.54	29.18	0
8/24/20 8:15	1.928	202.7	53.66	16.14	29.18	0
8/24/20 8:30	3.732	42.19	37.55	16.59	29.18	0
8/24/20 8:45	4.646	37.3	28.92	16.71	29.18	0
8/24/20 9:00	5.785	18.26	15.17	17.08	29.18	0
8/24/20 9:15	5.879	28.79	19.7	17.28	29.18	0
8/24/20 9:30	4.65	35.73	20.65	17.74	29.18	0
8/24/20 9:45	3.525	10.99	38.58	18.4	29.18	0
8/24/20 10:00	4.225	353.1	30.06	18.77	29.17	0
8/24/20 10:15	4.114	308.9	38.98	19.15	29.17	0
8/24/20 10:30	4.099	324.2	29.08	19.43	29.17	0
8/24/20 10:45	4.396	340.5	24.47	19.32	29.17	0
8/24/20 11:00	1.12	340.6	49.56	19.74	29.19	0
8/24/20 11:15	3.539	293.4	24.94	20.06	29.19	0
8/24/20 11:30	5.195	359.1	40.58	20.85	29.19	0
8/24/20 11:45	5.803	271.1	41	20.73	29.19	0
8/24/20 12:00	6.505	336.8	21.08	21.18	29.17	0
8/24/20 12:15	4.663	318.2	35.61	21.55	29.17	0
8/24/20 12:30	6.109	275.6	33.12	21.79	29.17	0
8/24/20 12:45	6.147	282.2	30.51	21.56	29.17	0
8/24/20 13:00	7.343	280.9	16.73	21.92	29.18	0
8/24/20 13:15	6.088	282.2	31.75	21.75	29.18	0
8/24/20 13:30	7.224	267.2	23.65	22.03	29.18	0
8/24/20 13:45	7.757	257.7	32.21	22.74	29.18	0
8/24/20 14:00	8.43	288.7	15.43	22.43	29.14	0
8/24/20 14:15	9.67	292	14.33	21.97	29.14	0
8/24/20 14:30	8.79	278.8	15.23	22.19	29.14	0
8/24/20 14:45	9.07	263.4	14.97	22.5	29.14	0
8/24/20 15:00	8.84	272.9	20.61	22.44	29.15	0
8/24/20 15:15	8.03	282.8	15.03	22.65	29.15	0
8/24/20 15:30	7.365	307.4	16.38	22.55	29.15	0
8/24/20 15:45	7.691	306.1	19.86	22.46	29.15	0
8/24/20 16:00	8.43	301.5	12.8	22.1	29.15	0
8/24/20 16:15	10.54	292.8	8.23	21.78	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/24/20 16:30	8.76	293.4	9.8	21.69	29.15	0
8/24/20 16:45	8.65	295.2	10.62	21.72	29.15	0
8/24/20 17:00	7.968	312.3	16.6	21.67	29.15	0
8/24/20 17:15	6.741	338.7	13.95	21.23	29.15	0
8/24/20 17:30	6.247	330.9	11.22	21.34	29.15	0
8/24/20 17:45	6.113	319.3	10.8	21.21	29.15	0
8/24/20 18:00	7.323	317.2	17	21.3	29.15	0
8/24/20 18:15	6.49	327.5	11.86	21.17	29.15	0
8/24/20 18:30	7.579	331.5	7.859	20.63	29.15	0
8/24/20 18:45	6.15	314.5	9.45	20.24	29.15	0
8/24/20 19:00	6.01	292.6	9.97	19.96	29.13	0
8/24/20 19:15	6.032	298.2	8.38	19.28	29.13	0
8/24/20 19:30	6.448	307.9	5.165	18.88	29.13	0
8/24/20 19:45	5.412	318.9	22.96	18.56	29.13	0
8/24/20 20:00	4.451	9.24	8.45	17.89	29.14	0
8/24/20 20:15	6.391	2.049	9.8	17.59	29.14	0
8/24/20 20:30	6.014	353.2	8.68	17.57	29.14	0
8/24/20 20:45	5.103	12.18	8.47	17.16	29.14	0
8/24/20 21:00	4.297	38.27	6.89	16.39	29.13	0
8/24/20 21:15	4.204	357.8	8.97	16.15	29.13	0
8/24/20 21:30	3.365	6.565	8.43	15.91	29.13	0
8/24/20 21:45	2.078	9.4	11.88	16.03	29.13	0
8/24/20 22:00	3.989	19.91	8.15	15.39	29.16	0
8/24/20 22:15	3.454	15.36	8.75	15.22	29.16	0
8/24/20 22:30	3.942	19.76	9.74	15.28	29.16	0
8/24/20 22:45	5.333	30.7	8.07	15.03	29.16	0
8/24/20 23:00	4.72	37.63	9.16	14.63	29.14	0
8/24/20 23:15	5.549	36.79	8.38	14.13	29.14	0
8/24/20 23:30	6.462	33.31	7.568	13.99	29.14	0
8/24/20 23:45	6.394	22.89	7.312	14.05	29.14	0
8/25/20 0:00	4.402	11.02	6.826	13.84	29.14	0
8/25/20 0:15	4.485	8.93	4.95	13.85	29.14	0
8/25/20 0:30	4.213	11.37	10.73	13.71	29.14	0
8/25/20 0:45	5.401	14.48	7.29	13.47	29.14	0
8/25/20 1:00	5.422	24	6.483	12.82	29.14	0
8/25/20 1:15	5.081	32.29	6.348	12.75	29.14	0
8/25/20 1:30	4.533	45.34	6.438	12.76	29.14	0
8/25/20 1:45	5.785	42.65	10.99	12.75	29.14	0
8/25/20 2:00	4.145	37.01	16.58	12.86	29.16	0
8/25/20 2:15	3.649	157.8	14.54	13.21	29.16	0
8/25/20 2:30	3.873	177.8	6.352	13.28	29.16	0
8/25/20 2:45	3.617	174.7	4.767	12.97	29.16	0
8/25/20 3:00	2.084	162.1	27.18	12.84	29.16	0
8/25/20 3:15	0.892	50.28	1.333	12.06	29.16	0
8/25/20 3:30	1.883	42	8.45	12.37	29.16	0
8/25/20 3:45	3.524	13.6	12.22	12.5	29.16	0
8/25/20 4:00	2.576	4.305	5.558	12.38	29.15	0
8/25/20 4:15	1.27	328.7	42.63	11.95	29.15	0
8/25/20 4:30	1.142	218.5	29.65	11.81	29.15	0
8/25/20 4:45	2.13	166.5	8.03	12.13	29.15	0
8/25/20 5:00	1.389	163.6	3.245	12.45	29.15	0
8/25/20 5:15	1.803	176.7	3.701	12.25	29.15	0
8/25/20 5:30	2.433	159.5	9.69	12.12	29.15	0
8/25/20 5:45	1.886	135.6	16.53	11.79	29.15	0
8/25/20 6:00	2.133	110.6	1.111	11.56	29.17	0
8/25/20 6:15	1.526	96	17.43	12.73	29.17	0
8/25/20 6:30	0.707	42.62	4.628	13.38	29.17	0
8/25/20 6:45	0.199	39.88	3.175	14.35	29.17	0
8/25/20 7:00	1.197	126.5	27.29	14.51	29.19	0
8/25/20 7:15	2.087	171	13.72	14.04	29.19	0
8/25/20 7:30	3.435	188.2	14.18	13.96	29.19	0
8/25/20 7:45	4.21	204.4	10.06	13.75	29.19	0
8/25/20 8:00	2.875	196.3	13.42	14.16	29.19	0
8/25/20 8:15	2.407	212.5	16.07	14.75	29.19	0
8/25/20 8:30	2.108	226.9	41.12	15.31	29.19	0
8/25/20 8:45	2.05	234.9	36.37	15.74	29.19	0
8/25/20 9:00	2.464	273.2	53.14	16.16	29.2	0
8/25/20 9:15	2.853	269	42.69	16.48	29.2	0
8/25/20 9:30	2.618	18.93	30.84	17.13	29.2	0
8/25/20 9:45	2.646	22.69	32.54	17.67	29.2	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/25/20 10:00	2.924	56.63	39.93	18.63	29.2	0
8/25/20 10:15	3.504	9.28	35.95	18.36	29.2	0
8/25/20 10:30	3.559	50.22	24.91	18.96	29.2	0
8/25/20 10:45	4.291	330.3	47.48	19.49	29.2	0
8/25/20 11:00	3.089	294.2	79.59	19.57	29.18	0
8/25/20 11:15	4.082	12.03	19.8	20.38	29.18	0
8/25/20 11:30	7.013	329.4	35.57	20.89	29.18	0
8/25/20 11:45	7.435	351.5	27.74	20.9	29.18	0
8/25/20 12:00	6.925	357.6	37.62	21.08	29.17	0
8/25/20 12:15	9.32	39.1	11.31	21.07	29.17	0
8/25/20 12:30	7.824	14.08	36.43	21.73	29.17	0
8/25/20 12:45	10.34	13.42	14.26	21.89	29.17	0
8/25/20 13:00	7.313	12.35	18.89	21.86	29.18	0
8/25/20 13:15	4.954	17.18	43.52	22.48	29.18	0
8/25/20 13:30	6.874	344.9	38.56	22.46	29.18	0
8/25/20 13:45	8.1	350.7	25.3	22.84	29.18	0
8/25/20 14:00	7.245	349.3	22.96	22.72	29.17	0
8/25/20 14:15	7.12	320.2	19.26	22.87	29.17	0
8/25/20 14:30	8.61	345.3	20.26	23.19	29.17	0
8/25/20 14:45	10.87	324.8	10.57	23.54	29.17	0
8/25/20 15:00	9.74	340.5	16.17	23.15	29.16	0
8/25/20 15:15	8.02	321.5	18.81	23.52	29.16	0
8/25/20 15:30	8.59	6.362	30.78	23.26	29.16	0
8/25/20 15:45	9.39	321.8	21.73	23.59	29.16	0
8/25/20 16:00	8.25	341.5	26	23.34	29.15	0
8/25/20 16:15	7.802	329.3	26.27	23.38	29.15	0
8/25/20 16:30	6.402	323.1	21.98	23.69	29.15	0
8/25/20 16:45	7.928	323	25.33	23.33	29.15	0
8/25/20 17:00	8.57	305.3	11.09	23.22	29.15	0
8/25/20 17:15	8.38	313	11.98	23.11	29.15	0
8/25/20 17:30	7.683	320.6	11.59	22.81	29.15	0
8/25/20 17:45	7.084	349.4	12.15	22.72	29.15	0
8/25/20 18:00	8.91	353.4	11.7	22.09	29.14	0
8/25/20 18:15	6.823	351.2	10.96	21.81	29.14	0
8/25/20 18:30	6.771	352.4	10.67	21.37	29.14	0
8/25/20 18:45	7.204	352.9	8.7	20.91	29.14	0
8/25/20 19:00	7.598	344.3	5.738	20.37	29.15	0
8/25/20 19:15	6.607	343.4	5.344	19.84	29.15	0
8/25/20 19:30	5.631	346.4	4.475	19.36	29.15	0
8/25/20 19:45	2.035	4.662	16.01	19.47	29.15	0
8/25/20 20:00	1.661	347.4	14.94	19.68	29.18	0
8/25/20 20:15	3.088	0.683	26.98	19.77	29.18	0
8/25/20 20:30	2.879	4.564	28.3	19.3	29.18	0
8/25/20 20:45	2.828	356.7	16.7	18.42	29.18	0
8/25/20 21:00	4.393	349.9	19.76	17.96	29.17	0
8/25/20 21:15	4.532	341.3	18.16	17.84	29.17	0
8/25/20 21:30	3.933	339	31.2	18.02	29.17	0
8/25/20 21:45	1.594	74.75	82.4	17.67	29.17	0
8/25/20 22:00	1.502	40.61	37.67	17.57	29.18	0
8/25/20 22:15	3.969	356.2	52.98	17.3	29.18	0
8/25/20 22:30	2.418	33.45	36.9	16.49	29.18	0
8/25/20 22:45	3.133	24.84	19.67	15.82	29.18	0
8/25/20 23:00	3.609	14.22	34.39	16.2	29.17	0
8/25/20 23:15	3.342	32.66	23.35	15.59	29.17	0
8/25/20 23:30	5.18	17.94	18.08	15.69	29.17	0
8/25/20 23:45	4.892	41.88	16.81	15.9	29.17	0
8/26/20 0:00	1.606	42.78	16.94	15.95	29.19	0
8/26/20 0:15	2.654	39.07	9.61	15.28	29.19	0
8/26/20 0:30	2.635	49.83	9.16	15.37	29.19	0
8/26/20 0:45	2.28	47.12	7.856	15.12	29.19	0
8/26/20 1:00	3.102	44.35	8.66	14.67	29.19	0
8/26/20 1:15	4.981	38.33	8.6	14.92	29.19	0
8/26/20 1:30	5.655	35.48	7.147	14.52	29.19	0
8/26/20 1:45	5.363	30.41	7.678	14.13	29.19	0
8/26/20 2:00	5.488	23.52	10.88	13.45	29.18	0
8/26/20 2:15	4.115	20.58	7.327	13.47	29.18	0
8/26/20 2:30	2.5	41.21	7.487	13.43	29.18	0
8/26/20 2:45	2.969	49.37	6.756	13.28	29.18	0
8/26/20 3:00	2.29	47.54	6.603	13.27	29.18	0
8/26/20 3:15	1.986	58.66	15.38	12.6	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/26/20 3:30	0.65	77.86	15.43	12.48	29.18	0
8/26/20 3:45	0.618	17.41	21.8	12.73	29.18	0
8/26/20 4:00	4.308	26.98	8.32	11.94	29.19	0
8/26/20 4:15	5.28	32.28	7.179	11.43	29.19	0
8/26/20 4:30	2.877	44.24	8.79	11.08	29.19	0
8/26/20 4:45	1.399	102.9	41.24	11.2	29.19	0
8/26/20 5:00	1.901	97	11.43	11.67	29.2	0
8/26/20 5:15	0.25	131.6	29.92	11.74	29.2	0
8/26/20 5:30	0.734	173.2	3.559	11.75	29.2	0
8/26/20 5:45	1.372	119.9	21.96	11.81	29.2	0
8/26/20 6:00	1.479	44.32	22.55	12	29.2	0
8/26/20 6:15	2.278	14.07	12.18	12.54	29.2	0
8/26/20 6:30	1.814	21.12	10.06	12.97	29.2	0
8/26/20 6:45	2.28	16.04	7.505	12.62	29.2	0
8/26/20 7:00	3.202	27.04	9.23	12.74	29.2	0
8/26/20 7:15	2.223	21.03	9.82	13.19	29.2	0
8/26/20 7:30	2.87	20.31	7.814	13.48	29.2	0
8/26/20 7:45	3.88	24.12	7.27	13.78	29.2	0
8/26/20 8:00	3.176	20.04	10.72	14.57	29.23	0
8/26/20 8:15	1.947	11.37	38.84	15.53	29.23	0
8/26/20 8:30	1.727	82.8	45.83	16.93	29.23	0
8/26/20 8:45	2.667	48.25	25.73	17.17	29.23	0
8/26/20 9:00	5.139	16.87	12.83	17.34	29.21	0
8/26/20 9:15	5.782	14.56	16.09	17.69	29.21	0
8/26/20 9:30	5.242	36.18	14.06	18.02	29.21	0
8/26/20 9:45	4.631	27.12	23.54	18.8	29.21	0
8/26/20 10:00	5.432	324	48.8	18.84	29.21	0
8/26/20 10:15	5.279	313.2	23.66	19.17	29.21	0
8/26/20 10:30	3.4	287.9	32.46	19.68	29.21	0
8/26/20 10:45	4.894	317.7	34.11	19.97	29.21	0
8/26/20 11:00	3.894	283.2	38.19	19.9	29.2	0
8/26/20 11:15	4.682	302.4	53.51	20.57	29.2	0
8/26/20 11:30	4.769	337.7	23.99	20.54	29.2	0
8/26/20 11:45	6.726	320.7	21.15	20.95	29.2	0
8/26/20 12:00	6.484	312.6	22.09	21.38	29.18	0
8/26/20 12:15	6.139	315.4	24.76	21.88	29.18	0
8/26/20 12:30	7.642	341.8	30.96	21.73	29.18	0
8/26/20 12:45	6.901	22.02	14.53	21.81	29.18	0
8/26/20 13:00	7.705	18.58	19.06	22.34	29.18	0
8/26/20 13:15	8.11	4.125	22.84	22.63	29.18	0
8/26/20 13:30	9.87	319.4	16.85	22.9	29.18	0
8/26/20 13:45	9.58	329.3	22.4	22.8	29.18	0
8/26/20 14:00	8.68	340	29.51	22.91	29.18	0
8/26/20 14:15	9.14	340	25.35	22.98	29.18	0
8/26/20 14:30	10.28	322.7	18.37	23.16	29.18	0
8/26/20 14:45	10.41	314.8	12.75	23.33	29.18	0
8/26/20 15:00	9.13	317.6	21.42	23.77	29.16	0
8/26/20 15:15	8.02	325.2	17.17	23.61	29.16	0
8/26/20 15:30	10.78	314.6	15.01	23.7	29.16	0
8/26/20 15:45	10.37	312.8	11.59	23.6	29.16	0
8/26/20 16:00	11.42	311.7	10.24	23.17	29.15	0
8/26/20 16:15	11.35	306.8	14.1	23.28	29.15	0
8/26/20 16:30	9.72	318.9	10.26	23.06	29.15	0
8/26/20 16:45	9.28	318.1	11.58	23.1	29.15	0
8/26/20 17:00	9.35	327.4	12.88	22.78	29.14	0
8/26/20 17:15	10.04	317	10.91	22.36	29.14	0
8/26/20 17:30	10.49	312	6.785	21.86	29.14	0
8/26/20 17:45	7.646	323.4	13.41	21.89	29.14	0
8/26/20 18:00	8.46	332.8	19.73	21.72	29.15	0
8/26/20 18:15	8.09	339.3	15.45	21.52	29.15	0
8/26/20 18:30	8.58	335.5	8.16	21.05	29.15	0
8/26/20 18:45	7.935	330.9	10.96	20.58	29.15	0
8/26/20 19:00	6.395	333.1	15.83	20.42	29.15	0
8/26/20 19:15	3.981	341.9	19.53	19.89	29.15	0
8/26/20 19:30	6.801	0.408	18.44	19.6	29.15	0
8/26/20 19:45	3.585	296.9	34.58	19.37	29.15	0
8/26/20 20:00	1.897	24.57	37.68	18.95	29.15	0
8/26/20 20:15	1.98	23.14	13.41	18.55	29.15	0
8/26/20 20:30	1.93	354.4	30.11	18.23	29.15	0
8/26/20 20:45	2.056	296	20.4	18.24	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/26/20 21:00	3.485	353.7	49.19	17.84	29.17	0
8/26/20 21:15	2.126	330.5	52	17.52	29.17	0
8/26/20 21:30	1.43	170.5	47.91	17.26	29.17	0
8/26/20 21:45	2.415	156.9	83	16.9	29.17	0
8/26/20 22:00	2.517	9.53	31.17	17.02	29.16	0
8/26/20 22:15	3.222	2.894	19.98	16.77	29.16	0
8/26/20 22:30	3.223	58.54	24.79	16.86	29.16	0
8/26/20 22:45	4.095	98	31.98	16.68	29.16	0
8/26/20 23:00	3.631	98.1	20.54	16.34	29.16	0
8/26/20 23:15	3.63	49.73	14.8	16.58	29.16	0
8/26/20 23:30	3.102	29.69	30.25	16.69	29.16	0
8/26/20 23:45	1.532	34.61	27.07	16.43	29.16	0
8/27/20 0:00	2.575	51.83	35.22	15.73	29.18	0
8/27/20 0:15	2.168	45.26	26.55	16.11	29.18	0
8/27/20 0:30	0.92	54.81	10.87	15.56	29.18	0
8/27/20 0:45	0.272	62.45	25.48	15.44	29.18	0
8/27/20 1:00	2.649	81.8	41.88	15.34	29.18	0
8/27/20 1:15	4.146	60.41	18.98	14.38	29.18	0
8/27/20 1:30	3.704	53.77	26.84	13.98	29.18	0
8/27/20 1:45	3.764	65.28	26.87	14.23	29.18	0
8/27/20 2:00	3.724	80.7	30.71	14.95	29.18	0
8/27/20 2:15	1.996	94.3	21.75	15.31	29.18	0
8/27/20 2:30	1.126	275.1	54.01	15.67	29.18	0
8/27/20 2:45	1.351	30.29	11.53	15.64	29.18	0
8/27/20 3:00	1.742	17.94	14.99	15.35	29.17	0
8/27/20 3:15	1.858	58.01	10.51	15.32	29.17	0
8/27/20 3:30	3.341	38.87	17.3	14.53	29.17	0
8/27/20 3:45	3.262	24.61	22.37	14.23	29.17	0
8/27/20 4:00	1.171	247.6	60.74	13.62	29.18	0
8/27/20 4:15	0.986	28.9	41.49	13.74	29.18	0
8/27/20 4:30	1.924	341.6	34.82	13.52	29.18	0
8/27/20 4:45	0.263	13.75	6.596	13.21	29.18	0
8/27/20 5:00	2.774	180.2	28.55	12.67	29.2	0
8/27/20 5:15	2.533	172.4	22.76	12.7	29.2	0
8/27/20 5:30	0.735	82.4	61.57	12.44	29.2	0
8/27/20 5:45	1.294	336.6	6.962	12.6	29.2	0
8/27/20 6:00	0.353	317.5	8.02	12.84	29.21	0
8/27/20 6:15	1.257	306	20.13	13.05	29.21	0
8/27/20 6:30	2.428	353.9	9.36	13.41	29.21	0
8/27/20 6:45	2.961	352.8	8.63	14.14	29.21	0
8/27/20 7:00	1.815	0.036	14.9	14.77	29.23	0
8/27/20 7:15	1.608	337.9	14.47	15.11	29.23	0
8/27/20 7:30	1.357	120.5	64.08	15.61	29.23	0
8/27/20 7:45	2.712	51.19	19.91	16.59	29.23	0
8/27/20 8:00	2.628	49.43	16.19	16.59	29.23	0
8/27/20 8:15	2.612	29.4	15.8	16.97	29.23	0
8/27/20 8:30	2.103	350.3	32.19	17.22	29.23	0
8/27/20 8:45	2.485	172.5	70.51	17.92	29.23	0
8/27/20 9:00	1.852	96.6	47.22	18.83	29.25	0
8/27/20 9:15	5	28.35	17.68	18.79	29.25	0
8/27/20 9:30	4.804	25.52	16.92	18.74	29.25	0
8/27/20 9:45	3.562	357.7	30.14	19.25	29.25	0
8/27/20 10:00	3.274	337.1	19.95	19.64	29.22	0
8/27/20 10:15	2.682	271	41.29	20.1	29.22	0
8/27/20 10:30	3.398	321.4	37.27	20.7	29.22	0
8/27/20 10:45	4.694	314.9	32.17	20.8	29.22	0
8/27/20 11:00	6.335	282.4	22.08	20.88	29.22	0
8/27/20 11:15	7.446	257.4	14.23	21.33	29.22	0
8/27/20 11:30	9.07	259.3	17.64	21.39	29.22	0
8/27/20 11:45	6.68	285.2	32.71	21.67	29.22	0
8/27/20 12:00	6.481	297	20.21	22.13	29.23	0
8/27/20 12:15	7.35	285.6	19.29	22.5	29.23	0
8/27/20 12:30	7.592	278.3	27.75	22.54	29.23	0
8/27/20 12:45	5.715	310.4	36.13	22.8	29.23	0
8/27/20 13:00	6.928	305.1	27.49	23.33	29.21	0
8/27/20 13:15	7.525	292	19.57	23.43	29.21	0
8/27/20 13:30	7.475	307	22.4	23.63	29.21	0
8/27/20 13:45	6.693	313.4	26.77	23.62	29.21	0
8/27/20 14:00	6.155	311.6	32.4	23.79	29.21	0
8/27/20 14:15	6.74	351.4	27.37	24.26	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/27/20 14:30	6.178	329.9	24.79	24.26	29.21	0
8/27/20 14:45	6.051	337.8	37.07	24.1	29.21	0
8/27/20 15:00	8.14	16.53	19.18	24.14	29.22	0
8/27/20 15:15	6.874	332.8	20.94	24.39	29.22	0
8/27/20 15:30	7.743	325.4	24.24	24.31	29.22	0
8/27/20 15:45	7.831	315.8	15.41	24.36	29.22	0
8/27/20 16:00	7.665	317.2	22.28	24.41	29.19	0
8/27/20 16:15	8.16	310.5	17.73	24.21	29.19	0
8/27/20 16:30	8.28	318.6	13.56	24.19	29.19	0
8/27/20 16:45	8.55	304.2	11.31	24	29.19	0
8/27/20 17:00	7.723	311.2	14.96	24.05	29.19	0
8/27/20 17:15	7.939	311.3	15.02	23.76	29.19	0
8/27/20 17:30	8.7	300.3	8.34	23.56	29.19	0
8/27/20 17:45	8.46	311.4	10.53	23.28	29.19	0
8/27/20 18:00	7.51	329.6	14.49	22.92	29.19	0
8/27/20 18:15	6.722	317.6	6.922	22.57	29.19	0
8/27/20 18:30	5.686	332.9	11.91	22.29	29.19	0
8/27/20 18:45	4.308	323	19.5	21.77	29.19	0
8/27/20 19:00	5.793	311.6	9.62	21.23	29.21	0
8/27/20 19:15	3.947	326.2	13.73	20.87	29.21	0
8/27/20 19:30	3.95	12.89	11.42	20.26	29.21	0
8/27/20 19:45	3.444	351.4	15.13	20.1	29.21	0
8/27/20 20:00	5.831	329.7	21.09	20.29	29.22	0
8/27/20 20:15	4.624	346	21.66	19.72	29.22	0
8/27/20 20:30	5.487	355.4	14.25	19.27	29.22	0
8/27/20 20:45	7.77	359.3	11.06	19.03	29.22	0
8/27/20 21:00	6.545	14.51	10.26	18.58	29.2	0
8/27/20 21:15	8.16	29.83	7.834	18.1	29.2	0
8/27/20 21:30	8.62	21.73	8.42	17.99	29.2	0
8/27/20 21:45	10.16	15.52	7.366	17.64	29.2	0
8/27/20 22:00	9.59	15.61	7.262	17.25	29.21	0
8/27/20 22:15	8.32	19.67	7.776	16.72	29.21	0
8/27/20 22:30	8.65	19.08	7.629	16.51	29.21	0
8/27/20 22:45	9.39	11.7	8.22	16.26	29.21	0
8/27/20 23:00	8.61	6.713	8.34	16.09	29.21	0
8/27/20 23:15	8.41	6.837	8.85	15.81	29.21	0
8/27/20 23:30	8.99	11.04	7.388	15.75	29.21	0
8/27/20 23:45	9.49	14.93	7.765	15.55	29.21	0
8/28/20 0:00	9.77	15.95	8.31	15.29	29.21	0
8/28/20 0:15	8.63	16.11	7.147	15.03	29.21	0
8/28/20 0:30	8.38	21.96	7.411	14.76	29.21	0
8/28/20 0:45	7.149	30.55	6.366	14.39	29.21	0
8/28/20 1:00	6.027	28.22	7.327	14.56	29.21	0
8/28/20 1:15	4.274	22.83	10.18	14.46	29.21	0
8/28/20 1:30	4.762	15.44	12.65	14.01	29.21	0
8/28/20 1:45	5.397	30.46	8.58	13.57	29.21	0
8/28/20 2:00	4.93	23.65	6.948	13.13	29.23	0
8/28/20 2:15	3.799	27.77	6.195	12.74	29.23	0
8/28/20 2:30	3.424	41.17	17.31	13.03	29.23	0
8/28/20 2:45	3.947	35.99	13.89	13.07	29.23	0
8/28/20 3:00	2.508	11.74	10.92	13.47	29.22	0
8/28/20 3:15	2.089	16.18	9.07	13.61	29.22	0
8/28/20 3:30	3.172	24.55	4.067	13.58	29.22	0
8/28/20 3:45	3.38	21.14	3.023	13.29	29.22	0
8/28/20 4:00	2.879	47.69	10.22	13.2	29.21	0
8/28/20 4:15	2.319	74.21	12.41	13.47	29.21	0
8/28/20 4:30	2.243	108	3.279	13.93	29.21	0
8/28/20 4:45	0.805	61.04	8.05	13.52	29.21	0
8/28/20 5:00	2	56.81	0.583	12.98	29.24	0
8/28/20 5:15	2.422	81.8	19.93	12.52	29.24	0
8/28/20 5:30	2.984	133.1	7.264	13.21	29.24	0
8/28/20 5:45	2.369	148.4	4.82	13.7	29.24	0
8/28/20 6:00	1.05	132.7	3.164	13.81	29.24	0
8/28/20 6:15	0.552	125.1	17.49	14.09	29.24	0
8/28/20 6:30	1.092	50.01	3.168	13.73	29.24	0
8/28/20 6:45	0.161	343.2	10.32	14.67	29.24	0
8/28/20 7:00	0.285	308.7	40	15.27	29.25	0
8/28/20 7:15	1.134	194.3	25.92	15.18	29.25	0
8/28/20 7:30	2.949	138.5	11.38	15.21	29.25	0
8/28/20 7:45	3.38	127.7	9.61	15.75	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/28/20 8:00	4.047	153.9	15.97	15.53	29.26	0
8/28/20 8:15	4.187	140.5	13.8	16.05	29.26	0
8/28/20 8:30	3.585	188.4	29.98	16.13	29.26	0
8/28/20 8:45	2.918	188.7	30.06	16.67	29.26	0
8/28/20 9:00	2.772	201.9	18.5	17.08	29.24	0
8/28/20 9:15	2.606	173.3	41.3	17.65	29.24	0
8/28/20 9:30	2.668	187.7	57.06	18.42	29.24	0
8/28/20 9:45	2.495	297.7	41.92	18.79	29.24	0
8/28/20 10:00	2.998	289.4	32.64	18.92	29.25	0
8/28/20 10:15	3.835	296	14.75	19.41	29.25	0
8/28/20 10:30	4.082	348.6	39.58	20.1	29.25	0
8/28/20 10:45	6.251	18.46	14.39	20.13	29.25	0
8/28/20 11:00	5.707	30.12	16.63	20.69	29.24	0
8/28/20 11:15	6.099	23.22	16.75	20.97	29.24	0
8/28/20 11:30	5.298	9.04	26.26	21.23	29.24	0
8/28/20 11:45	4.846	330.9	46.48	21.76	29.24	0
8/28/20 12:00	4.448	302	39.54	22.01	29.24	0
8/28/20 12:15	3.218	259.3	30.56	22.34	29.24	0
8/28/20 12:30	4.126	303.4	35.33	22.78	29.24	0
8/28/20 12:45	5.024	339	28.34	23.29	29.24	0
8/28/20 13:00	6.106	311.5	26.59	23.4	29.23	0
8/28/20 13:15	6.153	308.1	22.74	23.43	29.23	0
8/28/20 13:30	6.694	304.1	22.25	23.91	29.23	0
8/28/20 13:45	6.209	305.3	23.27	23.96	29.23	0
8/28/20 14:00	4.192	286.3	28.41	24.38	29.2	0
8/28/20 14:15	5.159	307.1	30.24	24.68	29.2	0
8/28/20 14:30	5.388	290.1	20.79	24.86	29.2	0
8/28/20 14:45	7.865	290.2	12.01	25	29.2	0
8/28/20 15:00	6.313	295.4	19.54	24.87	29.18	0
8/28/20 15:15	6.943	282.1	26	24.9	29.18	0
8/28/20 15:30	7.777	273.6	17.74	24.71	29.18	0
8/28/20 15:45	6.565	265.1	21.3	24.84	29.18	0
8/28/20 16:00	7.925	266.3	12.94	24.85	29.18	0
8/28/20 16:15	7.348	283.3	12.62	24.85	29.18	0
8/28/20 16:30	9.24	268.6	9.21	24.55	29.18	0
8/28/20 16:45	8.71	282.5	15.95	24.47	29.18	0
8/28/20 17:00	9.49	285.7	9.58	24.19	29.16	0
8/28/20 17:15	9.55	292.2	11.15	23.98	29.16	0
8/28/20 17:30	9.28	299.5	10.31	23.63	29.16	0
8/28/20 17:45	9.46	293.9	7.216	23.3	29.16	0
8/28/20 18:00	10.38	312.2	20.3	22.71	29.16	0
8/28/20 18:15	10.27	319.8	11.65	21.98	29.16	0
8/28/20 18:30	8.3	325.5	17.11	21.53	29.16	0
8/28/20 18:45	8.33	348	21.05	21.1	29.16	0
8/28/20 19:00	10.17	0.269	16.1	20.54	29.16	0
8/28/20 19:15	11.33	5.097	14.1	19.9	29.16	0
8/28/20 19:30	9.15	1.174	17.88	19.45	29.16	0
8/28/20 19:45	8.44	0.665	21.02	19.12	29.16	0
8/28/20 20:00	10.19	10.43	17.26	18.95	29.18	0
8/28/20 20:15	11.41	19.7	18.76	18.76	29.18	0
8/28/20 20:30	7.704	30.95	14.07	18.44	29.18	0
8/28/20 20:45	8.89	33.47	11.33	17.97	29.18	0
8/28/20 21:00	7.867	31.97	9.66	17.91	29.17	0
8/28/20 21:15	6.666	15.69	12.82	17.7	29.17	0
8/28/20 21:30	6.9	10.13	16.01	17.63	29.17	0
8/28/20 21:45	8.61	30	13.69	17.46	29.17	0
8/28/20 22:00	3.698	35.65	18.22	17.44	29.18	0
8/28/20 22:15	2.183	32.35	42	17.29	29.18	0
8/28/20 22:30	7.181	33.49	14.44	17.22	29.18	0
8/28/20 22:45	10.38	22.35	8.57	17.58	29.18	0
8/28/20 23:00	8.82	15.3	12.46	17.32	29.16	0
8/28/20 23:15	8.21	10.96	8.28	17.13	29.16	0
8/28/20 23:30	8.91	5.254	10.84	16.9	29.16	0
8/28/20 23:45	9.26	18.21	10.23	16.91	29.16	0
8/29/20 0:00	8.35	8.73	13.84	16.76	29.16	0
8/29/20 0:15	6.917	24.36	16.55	16.98	29.16	0
8/29/20 0:30	7.702	10.32	12.66	16.44	29.16	0
8/29/20 0:45	4.836	10.54	15.98	16.55	29.16	0
8/29/20 1:00	6.208	12.53	16.66	16.52	29.15	0
8/29/20 1:15	8.83	18.96	9.77	15.96	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/29/20 1:30	9.84	30.99	12.04	15.68	29.15	0
8/29/20 1:45	9.52	25.3	20.26	15.64	29.15	0
8/29/20 2:00	7.492	17.22	22.15	15.51	29.18	0
8/29/20 2:15	6.087	7.248	25.3	15.56	29.18	0
8/29/20 2:30	8.07	2.992	17.5	15.2	29.18	0
8/29/20 2:45	9.68	358.9	16.02	15.13	29.18	0
8/29/20 3:00	11.36	14.59	14.72	15.14	29.16	0
8/29/20 3:15	7.436	14.92	13.32	15	29.16	0
8/29/20 3:30	8.29	5.574	9.54	14.81	29.16	0
8/29/20 3:45	5.176	359.2	12.35	14.65	29.16	0
8/29/20 4:00	1.783	355.7	11.81	14.56	29.18	0
8/29/20 4:15	1.232	354.3	11.82	14.28	29.18	0
8/29/20 4:30	2.51	12.83	14.03	14.17	29.18	0
8/29/20 4:45	2.155	334.3	25.11	14.1	29.18	0
8/29/20 5:00	2.78	285.4	7.456	14.03	29.19	0
8/29/20 5:15	3.667	292.5	5.667	13.74	29.19	0
8/29/20 5:30	4.939	299.3	7.705	13.21	29.19	0
8/29/20 5:45	5.019	299	6.073	13.46	29.19	0
8/29/20 6:00	5.282	314.8	19.89	13.66	29.2	0
8/29/20 6:15	2.45	18.47	17.82	13.23	29.2	0
8/29/20 6:30	2.254	15.3	6.134	13.38	29.2	0
8/29/20 6:45	3.439	7.901	10.36	13.34	29.2	0
8/29/20 7:00	2.555	16.89	4.893	13.36	29.2	0
8/29/20 7:15	1.99	22.1	11.83	13.52	29.2	0
8/29/20 7:30	1.711	59.84	22.49	13.86	29.2	0
8/29/20 7:45	2.458	65.84	22.02	13.96	29.2	0
8/29/20 8:00	1.005	57.69	56.12	14.05	29.2	0
8/29/20 8:15	1.607	173.2	40.61	14.27	29.2	0
8/29/20 8:30	2.385	117.3	22.51	14.59	29.2	0
8/29/20 8:45	2.717	132	17.8	15.1	29.2	0
8/29/20 9:00	2.56	126	25.38	16.15	29.21	0
8/29/20 9:15	3.452	130.8	38.11	16.75	29.21	0
8/29/20 9:30	2.993	195.5	30.69	16.4	29.21	0
8/29/20 9:45	1.751	186.3	32.53	16.12	29.21	0
8/29/20 10:00	0.833	67.88	61.96	16.4	29.23	0
8/29/20 10:15	4.573	15.92	32.14	17.35	29.23	0
8/29/20 10:30	6.935	52.06	18.83	17.59	29.23	0
8/29/20 10:45	4.303	25.2	27.5	17.36	29.23	0
8/29/20 11:00	5.173	350.5	20.39	17.21	29.24	0
8/29/20 11:15	3.824	17.25	13.84	17.09	29.24	0
8/29/20 11:30	2.63	324.5	29.81	17.31	29.24	0
8/29/20 11:45	3.958	290.4	24.71	17.24	29.24	0
8/29/20 12:00	3.034	278.1	29.37	17.22	29.25	0
8/29/20 12:15	3.831	309.3	34.33	17.36	29.25	0
8/29/20 12:30	4.152	298.7	24.58	17.57	29.25	0
8/29/20 12:45	2.677	308.8	39.28	18.26	29.25	0
8/29/20 13:00	4.462	343.2	22.46	18.53	29.24	0
8/29/20 13:15	4.183	336.2	31.84	18.72	29.24	0
8/29/20 13:30	3.851	310.6	65.57	18.75	29.24	0
8/29/20 13:45	6.368	261	21.8	19.44	29.24	0
8/29/20 14:00	8.35	241.4	12.08	19.28	29.21	0
8/29/20 14:15	7.491	246.3	8.88	19.06	29.21	0
8/29/20 14:30	9.15	249.3	8.79	19	29.21	0
8/29/20 14:45	6.31	265.1	15.87	19.55	29.21	0
8/29/20 15:00	7.432	261.8	14.08	19.18	29.22	0
8/29/20 15:15	7.014	258.6	17.11	19.66	29.22	0
8/29/20 15:30	7.255	268.5	13.81	19.36	29.22	0
8/29/20 15:45	5.54	287.4	15.96	19.68	29.22	0
8/29/20 16:00	5.948	254	20.16	19.57	29.23	0
8/29/20 16:15	6.689	268.8	17.26	19.7	29.23	0
8/29/20 16:30	6.6	271.8	17.4	19.64	29.23	0
8/29/20 16:45	5.11	278.9	29.52	19.79	29.23	0
8/29/20 17:00	6.523	320.3	8.2	19.67	29.22	0
8/29/20 17:15	5.286	319.7	12.62	19.54	29.22	0
8/29/20 17:30	7.738	312.5	9.7	19.42	29.22	0
8/29/20 17:45	7.209	299.1	8.53	19.6	29.22	0
8/29/20 18:00	7.505	299.5	8.91	19.09	29.23	0
8/29/20 18:15	7.413	293.8	6.337	18.33	29.23	0
8/29/20 18:30	6.839	299.2	4.9	17.86	29.23	0
8/29/20 18:45	7.059	299.5	4.473	17.51	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/29/20 19:00	7.299	304.6	4.101	17.38	29.22	0
8/29/20 19:15	6.423	313.1	4.484	17.02	29.22	0
8/29/20 19:30	6.25	321.5	3.717	16.67	29.22	0
8/29/20 19:45	6.412	324.3	4.817	16.56	29.22	0
8/29/20 20:00	3.374	339.2	24.88	16.8	29.23	0
8/29/20 20:15	1.852	346.4	29.66	16.61	29.23	0
8/29/20 20:30	4.478	353.4	24.39	16.14	29.23	0
8/29/20 20:45	4.811	331.3	24.43	15.98	29.23	0
8/29/20 21:00	5.301	325	38.58	16.08	29.24	0
8/29/20 21:15	3.636	334.8	25.75	16.09	29.24	0
8/29/20 21:30	4.074	5.864	31.27	15.71	29.24	0
8/29/20 21:45	5.575	8.08	23.04	15.32	29.24	0
8/29/20 22:00	5.399	12.1	17.71	14.65	29.27	0
8/29/20 22:15	7.59	12.89	12.11	14.18	29.27	0
8/29/20 22:30	7.525	11.69	5.947	13.88	29.27	0
8/29/20 22:45	6.805	25.12	16.15	13.36	29.27	0
8/29/20 23:00	6.591	66.1	14.41	13.33	29.29	0
8/29/20 23:15	6.6	91.4	11.05	13.02	29.29	0
8/29/20 23:30	5.229	106.9	9.37	12.81	29.29	0
8/29/20 23:45	5.401	100.7	7.939	12.73	29.29	0
8/30/20 0:00	5.689	115	8.3	12.8	29.3	0
8/30/20 0:15	5.66	129.8	5.765	12.72	29.3	0
8/30/20 0:30	3.658	135.4	18.71	12.55	29.3	0
8/30/20 0:45	3.099	123.8	37.23	12.32	29.3	0
8/30/20 1:00	3.917	121.4	4.367	12.31	29.29	0
8/30/20 1:15	4.109	148.7	14.5	12.26	29.29	0
8/30/20 1:30	4.067	179.3	9.36	12.22	29.29	0
8/30/20 1:45	5.382	191.3	5.657	12.24	29.29	0
8/30/20 2:00	3.648	193.1	10.51	11.9	29.33	0
8/30/20 2:15	1.836	160	31.91	11.24	29.33	0
8/30/20 2:30	1.153	121.1	4.8	11.17	29.33	0
8/30/20 2:45	1.773	148.3	15.25	11.59	29.33	0
8/30/20 3:00	2.235	156.9	13.75	11.38	29.33	0
8/30/20 3:15	2.344	146	4.921	11.13	29.33	0
8/30/20 3:30	1.904	110.2	13.6	10.43	29.33	0
8/30/20 3:45	3.322	123.4	12.55	10.14	29.33	0
8/30/20 4:00	3.939	134.7	6.276	10.31	29.33	0
8/30/20 4:15	3.733	121.8	4.193	10.43	29.33	0
8/30/20 4:30	3.656	121.9	4.077	10.47	29.33	0
8/30/20 4:45	3.402	129.7	6.563	10.37	29.33	0
8/30/20 5:00	3.296	135.8	5.426	10.15	29.33	0
8/30/20 5:15	3.885	133.2	6.038	10.11	29.33	0
8/30/20 5:30	4.181	135.5	7.007	10.04	29.33	0
8/30/20 5:45	4.475	151	5.007	9.94	29.33	0
8/30/20 6:00	2.853	146.2	11.74	9.86	29.34	0
8/30/20 6:15	0.923	135.6	7.797	10.5	29.34	0
8/30/20 6:30	0.388	50.24	3.354	11.04	29.34	0
8/30/20 6:45	1.3	98.6	20.67	11.47	29.34	0
8/30/20 7:00	2.326	142.8	15.43	11.51	29.38	0
8/30/20 7:15	2.911	170.7	10.34	11.43	29.38	0
8/30/20 7:30	3.265	169.4	15.83	11.67	29.38	0
8/30/20 7:45	3.385	166.5	18.46	11.83	29.38	0
8/30/20 8:00	2.829	213	20.64	11.93	29.38	0
8/30/20 8:15	2.604	241.6	29.03	12.09	29.38	0
8/30/20 8:30	1.968	234.3	50.71	12.75	29.38	0
8/30/20 8:45	3.16	257.8	15.53	13.04	29.38	0
8/30/20 9:00	2.485	212.3	79.58	13.94	29.38	0
8/30/20 9:15	2.629	233.5	39.6	14.08	29.38	0
8/30/20 9:30	3.059	255.5	30.11	14.42	29.38	0
8/30/20 9:45	2.613	251.1	43.09	14.79	29.38	0
8/30/20 10:00	3.833	203.5	27.06	15.53	29.36	0
8/30/20 10:15	4.058	234.5	43.87	15.8	29.36	0
8/30/20 10:30	3.155	319	27.15	16.41	29.36	0
8/30/20 10:45	3.398	320	44.31	17.14	29.36	0
8/30/20 11:00	3.867	281.1	30.15	17.11	29.37	0
8/30/20 11:15	3.178	305.3	34.21	18.15	29.37	0
8/30/20 11:30	3.92	270.1	24.32	18.29	29.37	0
8/30/20 11:45	5.833	271.5	22.36	18.8	29.37	0
8/30/20 12:00	6.251	254.4	26.76	18.98	29.33	0
8/30/20 12:15	7.979	244.9	19.1	19.29	29.33	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/30/20 12:30	6.052	264.3	24.81	19.46	29.33	0
8/30/20 12:45	4.757	260.1	40.19	19.88	29.33	0
8/30/20 13:00	5.234	259.4	37.99	19.64	29.32	0
8/30/20 13:15	5.443	253.9	24.92	20.1	29.32	0
8/30/20 13:30	7.137	235.4	21.81	20.05	29.32	0
8/30/20 13:45	6.616	232.1	19.15	20.11	29.32	0
8/30/20 14:00	5.549	258.8	38.9	20.41	29.31	0
8/30/20 14:15	5.185	262.8	30.94	20.91	29.31	0
8/30/20 14:30	5.329	267.2	31.89	20.73	29.31	0
8/30/20 14:45	6.18	230.7	21.49	21.06	29.31	0
8/30/20 15:00	8.09	276.1	14.49	21.16	29.29	0
8/30/20 15:15	5.185	237.2	45.78	21.36	29.29	0
8/30/20 15:30	5.019	230.4	26.72	21.05	29.29	0
8/30/20 15:45	5.42	257.8	38.1	21.21	29.29	0
8/30/20 16:00	5.667	253.7	16.34	21.14	29.3	0
8/30/20 16:15	5.157	279.5	29.62	20.97	29.3	0
8/30/20 16:30	5.328	225.2	24.55	20.7	29.3	0
8/30/20 16:45	5.082	236.3	17.42	20.43	29.3	0
8/30/20 17:00	5.329	237.8	19.12	20.33	29.28	0
8/30/20 17:15	2.756	264	18.37	20.17	29.28	0
8/30/20 17:30	1.799	274.2	29.85	20.14	29.28	0
8/30/20 17:45	2.496	295.6	13.96	19.89	29.28	0
8/30/20 18:00	3.237	297.4	9.48	19.8	29.26	0
8/30/20 18:15	1.009	320.9	11.85	19.57	29.26	0
8/30/20 18:30	1.954	84.8	40.96	19.05	29.26	0
8/30/20 18:45	2.083	83.2	16.01	18.84	29.26	0
8/30/20 19:00	1.306	62.8	21.43	18.91	29.25	0
8/30/20 19:15	2.01	1.999	10.35	18.65	29.25	0
8/30/20 19:30	1.822	32.87	13.97	18.03	29.25	0
8/30/20 19:45	3.235	338.7	81.9	17.82	29.25	0
8/30/20 20:00	7.876	247.7	8.3	17.35	29.24	0
8/30/20 20:15	10.23	246.9	8.29	16.86	29.24	0
8/30/20 20:30	7.363	254.8	8.24	16.57	29.24	0
8/30/20 20:45	4.838	257.8	9.22	16.3	29.24	0
8/30/20 21:00	2.077	250.1	11.26	16.26	29.23	0
8/30/20 21:15	3.458	234.2	10.23	16.26	29.23	0
8/30/20 21:30	3.675	67.16	48.99	15.27	29.23	0
8/30/20 21:45	4.87	41.16	21.89	14.49	29.23	0
8/30/20 22:00	3.239	18.46	13.46	14.16	29.22	0
8/30/20 22:15	2.826	39.58	10.19	13.96	29.22	0
8/30/20 22:30	0.72	60.68	19.07	13.82	29.22	0
8/30/20 22:45	0.189	133.5	48.11	13.77	29.22	0
8/30/20 23:00	1.183	157.6	45.29	14.1	29.24	0
8/30/20 23:15	1.986	200.8	25.31	14.42	29.24	0
8/30/20 23:30	3.275	186.5	7.558	14.37	29.24	0
8/30/20 23:45	3.79	197.9	9.77	14.46	29.24	0
8/31/20 0:00	2.737	199.9	18.85	14.42	29.22	0
8/31/20 0:15	2.999	202.6	21.44	14.43	29.22	0
8/31/20 0:30	3.351	210.6	14.43	14.38	29.22	0
8/31/20 0:45	5.883	220	12.14	14.31	29.22	0
8/31/20 1:00	5.644	216	9.4	14.19	29.23	0
8/31/20 1:15	4.23	221.3	12.23	14.05	29.23	0
8/31/20 1:30	4.277	213.3	11.51	13.96	29.23	0
8/31/20 1:45	5.415	191.5	10.27	13.9	29.23	0
8/31/20 2:00	7.065	192.3	11.08	13.52	29.24	0
8/31/20 2:15	6.226	185.4	12.29	13.03	29.24	0
8/31/20 2:30	4.708	183.1	20.45	12.85	29.24	0
8/31/20 2:45	5.509	215.1	25.34	12.24	29.24	0
8/31/20 3:00	4.249	236.4	7.107	11.72	29.25	0
8/31/20 3:15	4.765	228.6	9.24	11.38	29.25	0
8/31/20 3:30	3.559	209.4	9.59	11.29	29.25	0
8/31/20 3:45	3.358	165.2	20.38	11.21	29.25	0
8/31/20 4:00	4.491	154.4	4.259	11.01	29.25	0
8/31/20 4:15	2.945	141.1	9.5	10.99	29.25	0
8/31/20 4:30	1.956	91.8	18.26	10.99	29.25	0
8/31/20 4:45	1.641	53.89	12.5	10.99	29.25	0
8/31/20 5:00	1.783	66.12	12.8	10.84	29.24	0
8/31/20 5:15	0.092	75.76	0.636	10.87	29.24	0.01
8/31/20 5:30	0.849	181.5	2.553	11.01	29.24	0
8/31/20 5:45	1.986	178.5	8.68	11.13	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/31/20 6:00	2.459	160.8	13.76	11.06	29.27	0
8/31/20 6:15	2.026	146.9	2.658	10.97	29.27	0
8/31/20 6:30	1.172	142.4	1.201	11.08	29.27	0
8/31/20 6:45	0.985	98	13.13	11.13	29.27	0
8/31/20 7:00	0.152	87.6	0.05	11.2	29.28	0
8/31/20 7:15	0.3	52.23	8.33	11.33	29.28	0.01
8/31/20 7:30	1.053	40.71	13.96	11.47	29.28	0
8/31/20 7:45	0.63	75.28	0.552	11.65	29.28	0
8/31/20 8:00	0.144	86.6	12.96	12.04	29.28	0
8/31/20 8:15	1.4	232.1	20.67	12.42	29.28	0
8/31/20 8:30	1.066	113.9	62.65	12.66	29.28	0
8/31/20 8:45	1.492	69.2	19.43	12.7	29.28	0
8/31/20 9:00	1.358	4.741	29.89	13.31	29.3	0
8/31/20 9:15	1.838	0.394	24.1	14.11	29.3	0
8/31/20 9:30	3.329	336.9	17.54	14.13	29.3	0
8/31/20 9:45	3.88	332.3	23.57	14.66	29.3	0
8/31/20 10:00	4.685	321.9	11.13	14.66	29.31	0
8/31/20 10:15	4.044	350.4	25.47	15.37	29.31	0
8/31/20 10:30	2.755	0.764	20.86	15.95	29.31	0
8/31/20 10:45	4.86	351	23.97	16.25	29.31	0
8/31/20 11:00	6.356	337.7	27.21	16.85	29.33	0
8/31/20 11:15	7.684	322.4	15.05	17.02	29.33	0
8/31/20 11:30	9.01	344	17.22	17.23	29.33	0
8/31/20 11:45	7.763	320.1	15.34	17.3	29.33	0
8/31/20 12:00	6.902	8.64	49.29	17.27	29.34	0
8/31/20 12:15	6.298	1.181	20.72	17.61	29.34	0
8/31/20 12:30	6.467	347.9	19.82	17.89	29.34	0
8/31/20 12:45	4.429	351.4	13.13	17.2	29.34	0
8/31/20 13:00	6.135	27.22	22.36	17.97	29.34	0
8/31/20 13:15	4.559	16.19	18.32	17.53	29.34	0
8/31/20 13:30	4.892	357.4	28.17	17.83	29.34	0
8/31/20 13:45	6.2	348.4	13.21	17.7	29.34	0
8/31/20 14:00	5.279	323.1	18.42	17.9	29.33	0
8/31/20 14:15	5.228	355.9	13.17	18.32	29.33	0
8/31/20 14:30	5.57	352.3	20.84	18.97	29.33	0
8/31/20 14:45	6.376	24.75	13.52	18.66	29.33	0
8/31/20 15:00	5.778	349.1	26.66	18.95	29.33	0
8/31/20 15:15	6.072	20.45	13.07	18.47	29.33	0
8/31/20 15:30	6.083	18.29	14.89	18.54	29.33	0
8/31/20 15:45	5.967	6.837	16.62	19.13	29.33	0
8/31/20 16:00	6.039	357.5	20.83	19.19	29.33	0
8/31/20 16:15	5.958	32.78	14.5	19.22	29.33	0
8/31/20 16:30	5.806	359.1	30.56	19.41	29.33	0
8/31/20 16:45	8.92	304.1	10.29	19.31	29.33	0
8/31/20 17:00	8.59	308.4	8.43	19.35	29.33	0
8/31/20 17:15	8.46	310.3	12.07	19.39	29.33	0
8/31/20 17:30	6.383	339.9	22.16	19.21	29.33	0
8/31/20 17:45	5.058	351.9	13.59	18.9	29.33	0
8/31/20 18:00	3.966	344.8	14.98	18.94	29.31	0
8/31/20 18:15	3.823	328.2	18.08	18.77	29.31	0
8/31/20 18:30	3.98	306.5	10.12	18.55	29.31	0
8/31/20 18:45	4.843	306.7	12.18	17.94	29.31	0
8/31/20 19:00	6.006	293.7	3.942	17.02	29.32	0
8/31/20 19:15	5.947	289	3.284	16.76	29.32	0
8/31/20 19:30	6.358	284.1	6.452	16.67	29.32	0
8/31/20 19:45	6.871	276	4.343	16.55	29.32	0
8/31/20 20:00	6.795	282	5.104	16.37	29.35	0
8/31/20 20:15	6.477	298.7	4.582	15.99	29.35	0
8/31/20 20:30	3.342	320.9	25.63	15.68	29.35	0
8/31/20 20:45	1.57	16.02	12.08	15.38	29.35	0
8/31/20 21:00	1.082	76.55	4.174	15.18	29.34	0
8/31/20 21:15	2.036	138.6	37.29	15.17	29.34	0
8/31/20 21:30	2.34	150.5	14.73	15.37	29.34	0
8/31/20 21:45	2.167	124.4	6.64	15.17	29.34	0
8/31/20 22:00	2.661	103	13.93	14.82	29.37	0
8/31/20 22:15	2.534	88.4	7.203	14.77	29.37	0
8/31/20 22:30	3.324	96.6	9.18	14.79	29.37	0
8/31/20 22:45	3.592	109.6	7.585	15.04	29.37	0
8/31/20 23:00	2.401	118.9	4.914	15.36	29.34	0
8/31/20 23:15	1.605	98.6	8.06	15.58	29.34	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
8/31/20 23:30	0.572	90.3	0.078	15.66	29.34	0
8/31/20 23:45	1.217	13.53	9.57	15.46	29.34	0
9/1/20 0:00	4.071	342.1	20.89	15.03	29.35	0
9/1/20 0:15	6.333	312.8	5.289	14.81	29.35	0
9/1/20 0:30	3.63	339.9	6.02	14.9	29.35	0
9/1/20 0:45	2.701	288.1	30.3	15.3	29.35	0
9/1/20 1:00	3.69	250.4	34.15	15.29	29.35	0
9/1/20 1:15	3.173	335.7	23.78	15.1	29.35	0
9/1/20 1:30	4.044	10.25	9.01	14.57	29.35	0
9/1/20 1:45	4.191	357.4	9.16	15.18	29.35	0
9/1/20 2:00	2.644	9.95	15.8	14.88	29.33	0
9/1/20 2:15	2.171	15.97	23.07	14.74	29.33	0
9/1/20 2:30	5.102	2.53	8.29	14.83	29.33	0
9/1/20 2:45	7.745	13.94	8.27	15.04	29.33	0
9/1/20 3:00	4.884	5.407	8.88	15.21	29.36	0
9/1/20 3:15	4.997	27.44	12.74	15.38	29.36	0
9/1/20 3:30	4.142	32.11	12.42	15.22	29.36	0
9/1/20 3:45	3.989	27.13	10.65	15.04	29.36	0
9/1/20 4:00	3.064	40.79	10.02	14.72	29.33	0
9/1/20 4:15	3.289	37.15	9.3	14.73	29.33	0
9/1/20 4:30	4.182	33.6	5.117	14.7	29.33	0
9/1/20 4:45	5.045	23.96	6.428	14.81	29.33	0
9/1/20 5:00	5.353	15.91	8.06	14.95	29.35	0
9/1/20 5:15	2.226	344.1	20.83	14.8	29.35	0
9/1/20 5:30	5.156	358.5	10.58	14.92	29.35	0
9/1/20 5:45	5.472	344.8	15.94	15.22	29.35	0
9/1/20 6:00	4.221	347.5	25.82	15.87	29.35	0
9/1/20 6:15	2.514	34.96	25.51	15.23	29.35	0
9/1/20 6:30	2.182	10.92	9.12	15.2	29.35	0
9/1/20 6:45	1.068	91	36.38	15.76	29.35	0
9/1/20 7:00	2.395	15.67	17.21	15.78	29.34	0
9/1/20 7:15	2.938	33.81	9.57	15.7	29.34	0
9/1/20 7:30	4.379	23.32	9.36	16.01	29.34	0
9/1/20 7:45	3.107	2.917	15.86	16.34	29.34	0
9/1/20 8:00	0.988	18.78	49.92	16.94	29.34	0
9/1/20 8:15	0.932	309	46.92	17.3	29.34	0
9/1/20 8:30	3.007	4.344	27.18	18.16	29.34	0
9/1/20 8:45	8.01	359	18.16	18.88	29.34	0
9/1/20 9:00	7.709	2.764	14.31	19.44	29.37	0
9/1/20 9:15	4.989	359	28.69	19.87	29.37	0
9/1/20 9:30	6.953	6.853	17.26	20.49	29.37	0
9/1/20 9:45	8.64	20.62	8.47	20.66	29.37	0
9/1/20 10:00	8.86	13.85	15.1	21	29.37	0
9/1/20 10:15	10.55	355.5	14.29	21.66	29.37	0
9/1/20 10:30	10.27	3.32	14.16	21.8	29.37	0
9/1/20 10:45	10.01	16.44	16.71	21.83	29.37	0
9/1/20 11:00	8.4	15.2	17.04	22.18	29.36	0
9/1/20 11:15	9.43	10.28	14.12	22.71	29.36	0
9/1/20 11:30	11.36	8.96	15.58	23.16	29.36	0
9/1/20 11:45	11.47	3.671	16.16	23.33	29.36	0
9/1/20 12:00	10.19	4.008	18.1	23.71	29.35	0
9/1/20 12:15	10.14	12.77	16.42	23.64	29.35	0
9/1/20 12:30	11.91	11.45	16.28	24.02	29.35	0
9/1/20 12:45	10.31	16.3	18.53	23.85	29.35	0
9/1/20 13:00	9.91	30.87	12.95	24.34	29.35	0
9/1/20 13:15	9.24	20.99	16.63	24.41	29.35	0
9/1/20 13:30	8.1	28.9	18.33	24.75	29.35	0
9/1/20 13:45	9.11	27.66	13.87	24.82	29.35	0
9/1/20 14:00	7.36	17	28.63	24.87	29.32	0
9/1/20 14:15	8.71	28.36	13.13	25.48	29.32	0
9/1/20 14:30	8.44	5.325	34.13	25.4	29.32	0
9/1/20 14:45	9.17	34.49	15.09	25.52	29.32	0
9/1/20 15:00	7.263	27.62	16.02	25.45	29.32	0
9/1/20 15:15	7.989	33.79	13.35	25.62	29.32	0
9/1/20 15:30	6.35	8.34	32.3	25.8	29.32	0
9/1/20 15:45	8.62	17.83	10.4	25.48	29.32	0
9/1/20 16:00	8.19	19.31	13.65	25.52	29.32	0
9/1/20 16:15	9.54	12.67	12.85	25.49	29.32	0
9/1/20 16:30	10.37	16.89	12.47	25.41	29.32	0
9/1/20 16:45	9.8	8.83	11.05	25.29	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/1/20 17:00	7.234	16.28	14.94	25.16	29.29	0
9/1/20 17:15	8.83	352.8	18.33	25.18	29.29	0
9/1/20 17:30	7.557	334.5	22.44	25.01	29.29	0
9/1/20 17:45	7.505	319.6	9.48	24.82	29.29	0
9/1/20 18:00	8.26	328.6	9.36	24.49	29.29	0
9/1/20 18:15	7.966	328.6	13.33	24.16	29.29	0
9/1/20 18:30	6.72	326	15.45	23.65	29.29	0
9/1/20 18:45	5.936	312.1	15.11	23.15	29.29	0
9/1/20 19:00	6.184	294.3	7.323	22.49	29.27	0
9/1/20 19:15	7.311	311.6	7.788	22.35	29.27	0
9/1/20 19:30	7.218	327.1	9.43	22.05	29.27	0
9/1/20 19:45	6.316	337.2	12.51	21.71	29.27	0
9/1/20 20:00	6.314	331.9	12.22	21.71	29.28	0
9/1/20 20:15	6.786	323.3	7.023	21.5	29.28	0
9/1/20 20:30	4.914	331.6	45.35	21.41	29.28	0
9/1/20 20:45	4.492	33.36	9.36	20.41	29.28	0
9/1/20 21:00	4.864	31.83	15.07	20.1	29.27	0
9/1/20 21:15	2.818	61.48	19.68	20.51	29.27	0
9/1/20 21:30	4.201	45.82	9.19	20.53	29.27	0
9/1/20 21:45	4.414	29.89	8.59	19.22	29.27	0
9/1/20 22:00	4.599	37.62	11.52	18.96	29.28	0
9/1/20 22:15	4.043	23.94	9.59	18.73	29.28	0
9/1/20 22:30	3.865	13.23	8.42	19.08	29.28	0
9/1/20 22:45	5.013	24.15	7.488	18.66	29.28	0
9/1/20 23:00	5.399	34.17	9.21	18.23	29.27	0
9/1/20 23:15	6.33	22.1	7.36	18.11	29.27	0
9/1/20 23:30	6.526	23.38	7.008	18.1	29.27	0
9/1/20 23:45	6.405	31.85	7.853	18.02	29.27	0
9/2/20 0:00	6.007	28.69	5.999	17.68	29.28	0
9/2/20 0:15	5.073	12.05	6.472	17.48	29.28	0
9/2/20 0:30	4.576	28.37	12.18	17.45	29.28	0
9/2/20 0:45	5.761	38.24	10.67	17.09	29.28	0
9/2/20 1:00	5.031	44.05	9.54	16.93	29.27	0
9/2/20 1:15	3.949	84.3	41.92	17.49	29.27	0
9/2/20 1:30	4.056	154.1	8.01	17.24	29.27	0
9/2/20 1:45	3.483	115.5	19.96	18.06	29.27	0
9/2/20 2:00	2.306	62.6	16.32	17.33	29.25	0
9/2/20 2:15	2.519	33.64	4.36	17.73	29.25	0
9/2/20 2:30	1.36	30.7	4.854	16.99	29.25	0
9/2/20 2:45	0.388	33.31	0.165	16.42	29.25	0
9/2/20 3:00	1.584	246.1	54.44	16.13	29.25	0
9/2/20 3:15	2.126	231.1	12.92	16.37	29.25	0
9/2/20 3:30	2.078	238.5	13.38	16.41	29.25	0
9/2/20 3:45	1.823	237.9	10.45	16.48	29.25	0
9/2/20 4:00	3.032	211.3	5.032	16.34	29.24	0
9/2/20 4:15	3.67	205.5	9.22	16.28	29.24	0
9/2/20 4:30	3.706	176.7	11.88	15.87	29.24	0
9/2/20 4:45	2.577	167.7	9.42	15.27	29.24	0
9/2/20 5:00	1.866	154.7	43.4	15.28	29.26	0
9/2/20 5:15	0.233	5.739	0.011	15.2	29.26	0
9/2/20 5:30	0.472	69.94	13.22	14.99	29.26	0
9/2/20 5:45	2.385	66.08	34.07	14.5	29.26	0
9/2/20 6:00	1.399	31.6	11.65	14.75	29.26	0
9/2/20 6:15	1.775	26.66	2.447	15.23	29.26	0
9/2/20 6:30	2.671	24.92	7.119	15.08	29.26	0
9/2/20 6:45	2.402	23.68	8.28	15.53	29.26	0
9/2/20 7:00	2.044	23.7	5.004	15.93	29.28	0
9/2/20 7:15	2.306	106.2	42.11	16.98	29.28	0
9/2/20 7:30	3.473	129.5	13.35	17.87	29.28	0
9/2/20 7:45	3.967	141	10.21	17.99	29.28	0
9/2/20 8:00	5.407	140.6	9.13	18.69	29.27	0
9/2/20 8:15	4.274	141.8	24.48	18.76	29.27	0
9/2/20 8:30	4.459	153.4	15.72	19.28	29.27	0
9/2/20 8:45	4.92	141.7	19.56	19.9	29.27	0
9/2/20 9:00	5.621	150.8	16.64	20.32	29.28	0
9/2/20 9:15	5.011	162.1	22.71	20.83	29.28	0
9/2/20 9:30	4.113	165.6	31.25	21.24	29.28	0
9/2/20 9:45	4.107	147.8	42.65	21.56	29.28	0
9/2/20 10:00	3.174	112.8	27.44	22.49	29.29	0
9/2/20 10:15	3.522	204.8	22.86	22.11	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/2/20 10:30	1.807	188.4	69.72	22.81	29.29	0
9/2/20 10:45	2.713	216.4	57.41	23.29	29.29	0
9/2/20 11:00	2.816	262.2	40.67	23.6	29.27	0
9/2/20 11:15	5.822	243.7	21.32	23.5	29.27	0
9/2/20 11:30	5.18	261.8	28.5	24.04	29.27	0
9/2/20 11:45	5.223	262.8	17.54	24.44	29.27	0
9/2/20 12:00	5.864	312.2	17.2	24.83	29.29	0
9/2/20 12:15	5.434	315.5	26.96	24.89	29.29	0
9/2/20 12:30	4.611	311.6	69.28	25.19	29.29	0
9/2/20 12:45	5.443	316.2	29.51	25.38	29.29	0
9/2/20 13:00	5.857	320.4	36.44	25.04	29.27	0
9/2/20 13:15	6.98	315.9	21.08	25.41	29.27	0
9/2/20 13:30	6.383	348.7	38.58	26.19	29.27	0
9/2/20 13:45	11.28	22.63	13.51	24.97	29.27	0
9/2/20 14:00	12.8	17.92	10.54	23.48	29.26	0
9/2/20 14:15	11.39	16.82	11.44	23.61	29.26	0
9/2/20 14:30	9.84	12.61	18.76	24.25	29.26	0
9/2/20 14:45	8.69	16.35	12.84	24.97	29.26	0
9/2/20 15:00	8.25	14.9	14.78	25.47	29.26	0
9/2/20 15:15	8.42	12.6	17.34	25	29.26	0
9/2/20 15:30	9.53	0.084	12.95	24.89	29.26	0
9/2/20 15:45	7.891	13.8	12.97	24.64	29.26	0
9/2/20 16:00	8.23	18.04	14.58	24.78	29.28	0
9/2/20 16:15	8.65	358.3	16.29	24.91	29.28	0
9/2/20 16:30	7.366	358.9	20.17	24.6	29.28	0
9/2/20 16:45	8.36	350.1	14.94	24.53	29.28	0
9/2/20 17:00	8.04	346.6	18.51	24.32	29.26	0
9/2/20 17:15	9.29	345	14.23	23.99	29.26	0
9/2/20 17:30	8.11	339.4	12.34	23.8	29.26	0
9/2/20 17:45	7.366	347.3	15.71	23.58	29.26	0
9/2/20 18:00	7.711	332.7	12.07	23.15	29.26	0
9/2/20 18:15	7.263	337.8	12.18	22.64	29.26	0
9/2/20 18:30	7.106	341.9	13.31	22.22	29.26	0
9/2/20 18:45	5.948	347.8	18.94	21.91	29.26	0
9/2/20 19:00	5.335	332.8	13.12	21.58	29.29	0
9/2/20 19:15	4.478	333.4	20.04	21.42	29.29	0
9/2/20 19:30	4.391	327.2	19.89	21.24	29.29	0
9/2/20 19:45	6.181	354.7	24.35	20.92	29.29	0
9/2/20 20:00	7.081	18.89	12.11	20.47	29.3	0
9/2/20 20:15	9.79	14.46	11.25	20.33	29.3	0
9/2/20 20:30	10.42	12.89	8.81	19.93	29.3	0
9/2/20 20:45	11.67	17.09	10.17	19.58	29.3	0
9/2/20 21:00	11.86	15.9	8.93	19.2	29.31	0
9/2/20 21:15	9	14.19	9.7	18.94	29.31	0
9/2/20 21:30	9.87	12.26	8.34	18.79	29.31	0
9/2/20 21:45	9.96	14.91	9.3	18.18	29.31	0
9/2/20 22:00	11.94	15.13	7.415	18.04	29.29	0
9/2/20 22:15	10.83	14.68	7.911	17.58	29.29	0
9/2/20 22:30	11.85	16.95	8.15	17.33	29.29	0
9/2/20 22:45	10.71	17.18	9.73	17.11	29.29	0
9/2/20 23:00	9.53	13.63	12.41	16.83	29.31	0
9/2/20 23:15	10.12	9.8	12	16.47	29.31	0
9/2/20 23:30	9.44	11.44	10.85	16.4	29.31	0
9/2/20 23:45	14.07	20.99	9.93	16.28	29.31	0
9/3/20 0:00	12.53	17.93	12.99	16.07	29.29	0
9/3/20 0:15	10.98	10.11	10.79	15.79	29.29	0
9/3/20 0:30	11.1	8.93	10.12	15.61	29.29	0
9/3/20 0:45	11.59	10.45	9.92	15.5	29.29	0
9/3/20 1:00	10.38	11.89	10.76	15.23	29.3	0
9/3/20 1:15	9.61	12.71	9.58	14.95	29.3	0
9/3/20 1:30	10.04	13.08	8.09	14.66	29.3	0
9/3/20 1:45	6.929	11.79	9.63	14.44	29.3	0
9/3/20 2:00	6.613	12.57	11.6	14.22	29.3	0
9/3/20 2:15	7.763	11.19	10	14.11	29.3	0
9/3/20 2:30	6.472	8.9	6.792	14.05	29.3	0
9/3/20 2:45	7.322	13.65	7.623	14.06	29.3	0
9/3/20 3:00	8.76	20.91	8.62	13.81	29.31	0
9/3/20 3:15	8.1	25.81	8.08	13.61	29.31	0
9/3/20 3:30	7.152	20.91	9.8	13.57	29.31	0
9/3/20 3:45	5.797	10.46	5.714	13.37	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/3/20 4:00	4.672	7.188	4.796	13.44	29.31	0
9/3/20 4:15	4.466	9.77	5.675	13.54	29.31	0
9/3/20 4:30	4.466	20.39	5.817	13.58	29.31	0
9/3/20 4:45	4.057	25.2	4.078	13.56	29.31	0
9/3/20 5:00	3.95	17.51	5.6	13.53	29.3	0
9/3/20 5:15	4.025	11.37	2.885	13.24	29.3	0
9/3/20 5:30	4.268	16.15	4.258	13.4	29.3	0
9/3/20 5:45	4.388	21.41	4.513	13.16	29.3	0
9/3/20 6:00	3.207	11.6	9.47	12.99	29.32	0
9/3/20 6:15	2.295	22.33	11.85	12.3	29.32	0
9/3/20 6:30	4.246	26.57	7.63	12.68	29.32	0
9/3/20 6:45	4.081	21.42	6.476	13.04	29.32	0
9/3/20 7:00	2.971	21.77	8.12	13.61	29.33	0
9/3/20 7:15	3.165	24.63	9.84	13.94	29.33	0
9/3/20 7:30	3.518	10.28	10.39	14.08	29.33	0
9/3/20 7:45	2.854	25.17	14.69	15.07	29.33	0
9/3/20 8:00	2.468	25.52	12.74	15.93	29.33	0
9/3/20 8:15	2.387	25.23	21.26	16.79	29.33	0
9/3/20 8:30	1.852	54.92	16.65	18.07	29.33	0
9/3/20 8:45	3.176	71.58	31.91	18.13	29.33	0
9/3/20 9:00	2.699	29.54	18.63	18.74	29.32	0
9/3/20 9:15	0.758	4.752	44.16	20.26	29.32	0
9/3/20 9:30	3.418	345.9	28.71	20.89	29.32	0
9/3/20 9:45	3.214	18.06	26.03	21.67	29.32	0
9/3/20 10:00	3.291	37.54	24.73	22.03	29.32	0
9/3/20 10:15	4.794	31.94	15.59	22.45	29.32	0
9/3/20 10:30	6.277	20.63	14.92	22.9	29.32	0
9/3/20 10:45	6.624	0.31	13.68	23.65	29.32	0
9/3/20 11:00	9.92	9.31	9.62	24.26	29.32	0
9/3/20 11:15	11.49	8.35	8.58	24.55	29.32	0
9/3/20 11:30	10.48	2.614	11.15	24.98	29.32	0
9/3/20 11:45	10.58	4.936	14.04	25.32	29.32	0
9/3/20 12:00	9.64	19.88	13.11	25.74	29.3	0
9/3/20 12:15	8.9	357.6	21.72	26.57	29.3	0
9/3/20 12:30	10.12	355.6	21	26.63	29.3	0
9/3/20 12:45	10.59	0.579	17.93	26.47	29.3	0
9/3/20 13:00	12.15	17.53	15.98	26.47	29.3	0
9/3/20 13:15	10.78	9.81	17.1	26.78	29.3	0
9/3/20 13:30	10.87	2.722	15.39	26.9	29.3	0
9/3/20 13:45	10.61	21.11	15.85	27.33	29.3	0
9/3/20 14:00	8.96	14.33	19.16	27.65	29.28	0
9/3/20 14:15	12.05	353.9	15.38	27.52	29.28	0
9/3/20 14:30	12.1	346.6	10.64	27.6	29.28	0
9/3/20 14:45	11.69	352.7	11.63	27.74	29.28	0
9/3/20 15:00	11.71	8.15	14.64	27.83	29.25	0
9/3/20 15:15	11.2	12.35	14.67	27.9	29.25	0
9/3/20 15:30	9.58	358	19.34	27.97	29.25	0
9/3/20 15:45	10.5	7.91	13.19	28	29.25	0
9/3/20 16:00	9.31	15.27	13.8	27.89	29.25	0
9/3/20 16:15	10.07	7.413	12.1	27.67	29.25	0
9/3/20 16:30	9.86	13.53	17.14	27.52	29.25	0
9/3/20 16:45	10.94	354	13.17	27.42	29.25	0
9/3/20 17:00	11.39	355.4	15.44	27.01	29.24	0
9/3/20 17:15	10.81	351.7	12.25	26.73	29.24	0
9/3/20 17:30	9.85	354.3	17.97	26.36	29.24	0
9/3/20 17:45	10.25	353.4	13.71	25.93	29.24	0
9/3/20 18:00	12.14	0.114	14.91	25.5	29.2	0
9/3/20 18:15	12.94	359.7	13.57	25.1	29.2	0
9/3/20 18:30	11.96	4.051	14.71	24.74	29.2	0
9/3/20 18:45	9.75	3.154	22.2	24.3	29.2	0
9/3/20 19:00	7.833	355.5	21.91	23.92	29.2	0
9/3/20 19:15	5.384	9.41	19.52	23.6	29.2	0
9/3/20 19:30	6.787	24.12	21.98	23.15	29.2	0
9/3/20 19:45	8.76	31.91	15.98	22.76	29.2	0
9/3/20 20:00	10.08	30.54	10.46	22.39	29.23	0
9/3/20 20:15	11.19	14.8	11.44	22.09	29.23	0
9/3/20 20:30	13.44	12.38	7.679	21.75	29.23	0
9/3/20 20:45	11.36	12.98	6.7	21.27	29.23	0
9/3/20 21:00	9.57	17.81	9.57	21.15	29.22	0
9/3/20 21:15	7.401	10.63	13.13	20.95	29.22	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/3/20 21:30	10.3	6.759	9.52	20.8	29.22	0
9/3/20 21:45	10.07	8.97	6.748	20.26	29.22	0
9/3/20 22:00	8.13	16.43	7.76	19.44	29.21	0
9/3/20 22:15	7.263	30.78	7.633	19.06	29.21	0
9/3/20 22:30	6.12	32.44	5.573	18.75	29.21	0
9/3/20 22:45	6.587	29.09	6.869	18.64	29.21	0
9/3/20 23:00	7.347	30.54	8.89	18.37	29.23	0
9/3/20 23:15	6.783	35.21	8.29	18.03	29.23	0
9/3/20 23:30	6.744	33.09	6.924	17.67	29.23	0
9/3/20 23:45	7.323	26.52	7.329	17.45	29.23	0
9/4/20 0:00	6.363	21.88	7.954	17.19	29.21	0
9/4/20 0:15	5.461	10.95	5.8	17.1	29.21	0
9/4/20 0:30	7.675	20.67	7.487	17.23	29.21	0
9/4/20 0:45	6.267	12.6	6.678	16.76	29.21	0
9/4/20 1:00	4.675	16.83	6.519	16.77	29.2	0
9/4/20 1:15	3.743	31.98	10.58	16.57	29.2	0
9/4/20 1:30	5.365	36.11	11.18	16.11	29.2	0
9/4/20 1:45	4.748	32.62	12.34	15.81	29.2	0
9/4/20 2:00	3.309	58.46	13.28	15.87	29.2	0
9/4/20 2:15	2.729	130.4	40.72	15.82	29.2	0
9/4/20 2:30	3.601	142	12.48	17.06	29.2	0
9/4/20 2:45	3.486	166.8	17.48	16.96	29.2	0
9/4/20 3:00	3.206	120.5	49.43	16.03	29.2	0
9/4/20 3:15	2.942	48.1	6.618	15.35	29.2	0
9/4/20 3:30	2.438	29.8	5.592	15.56	29.2	0
9/4/20 3:45	4.16	11.63	6.738	15.92	29.2	0
9/4/20 4:00	5.161	9.73	6.556	14.9	29.18	0
9/4/20 4:15	4.54	13.36	6.777	14.82	29.18	0
9/4/20 4:30	4.219	22.22	6.042	14.77	29.18	0
9/4/20 4:45	4.207	26.84	4.927	14.4	29.18	0
9/4/20 5:00	4.608	12.63	7.9	13.97	29.19	0
9/4/20 5:15	4.923	10.81	5.443	13.59	29.19	0
9/4/20 5:30	4.045	13.03	5.612	13.42	29.19	0
9/4/20 5:45	4.245	15.79	4.954	13.5	29.19	0
9/4/20 6:00	4.529	3.454	8.69	14	29.18	0
9/4/20 6:15	3.293	17.81	4.019	13.99	29.18	0
9/4/20 6:30	4.394	18.77	10.88	13.8	29.18	0
9/4/20 6:45	3.732	359	9.91	15	29.18	0
9/4/20 7:00	0.979	359.2	13.37	15.71	29.2	0
9/4/20 7:15	0.422	51.19	8.69	17.19	29.2	0
9/4/20 7:30	1.075	52.56	20.63	17.39	29.2	0
9/4/20 7:45	2.013	47.7	25.13	17.76	29.2	0
9/4/20 8:00	4.364	45.66	12.32	16.68	29.19	0
9/4/20 8:15	6.938	26.23	8.05	16.83	29.19	0
9/4/20 8:30	6.075	30.08	9.33	17.8	29.19	0
9/4/20 8:45	4.758	28.38	11.89	18.75	29.19	0
9/4/20 9:00	4.462	23.62	16.1	19.67	29.19	0
9/4/20 9:15	2.727	39.35	17.23	20.25	29.19	0
9/4/20 9:30	2.154	37.68	33.19	21.13	29.19	0
9/4/20 9:45	1.567	31.86	32.82	21.91	29.19	0
9/4/20 10:00	2.268	106.9	33.13	22.74	29.18	0
9/4/20 10:15	3.3	175.3	26.1	22.95	29.18	0
9/4/20 10:30	3.178	217.3	32.18	23.18	29.18	0
9/4/20 10:45	4.156	215.1	28.53	23.19	29.18	0
9/4/20 11:00	2.762	124.4	49.55	23.86	29.18	0
9/4/20 11:15	3.38	185.9	29.38	24.72	29.18	0
9/4/20 11:30	2.231	205.5	32.56	24.73	29.18	0
9/4/20 11:45	4.003	298.6	32.64	25.5	29.18	0
9/4/20 12:00	5.748	258.8	30.47	25.27	29.15	0
9/4/20 12:15	4.645	238.3	19.1	25.34	29.15	0
9/4/20 12:30	5.604	272.8	16.8	25.91	29.15	0
9/4/20 12:45	5.827	272	17.99	26.02	29.15	0
9/4/20 13:00	7.917	246	14.5	26.22	29.14	0
9/4/20 13:15	6.34	246.2	24.81	26.16	29.14	0
9/4/20 13:30	5.614	231.5	25.24	26.28	29.14	0
9/4/20 13:45	4.731	248.3	37.26	26.89	29.14	0
9/4/20 14:00	6.307	232.1	18.47	26.94	29.15	0
9/4/20 14:15	6.277	253.6	26.04	27.05	29.15	0
9/4/20 14:30	7.728	266.1	11.36	27.1	29.15	0
9/4/20 14:45	6.862	248.8	18.66	27.27	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/4/20 15:00	6.069	250.3	20.59	27.07	29.15	0
9/4/20 15:15	6.053	199.7	27.74	27.03	29.15	0
9/4/20 15:30	6.368	190.8	16.53	27.11	29.15	0
9/4/20 15:45	4.921	183.9	27.66	27.12	29.15	0
9/4/20 16:00	3.987	231.8	16.1	27.43	29.15	0
9/4/20 16:15	3.719	214	33.1	27.39	29.15	0
9/4/20 16:30	5.795	219.9	26.92	27.25	29.15	0
9/4/20 16:45	6.231	215.5	24.41	27.2	29.15	0
9/4/20 17:00	6.248	224.8	15.84	27.05	29.16	0
9/4/20 17:15	6.164	222	11.54	26.84	29.16	0
9/4/20 17:30	5.713	227.4	11.59	26.56	29.16	0
9/4/20 17:45	5.182	243.1	10.53	26.32	29.16	0
9/4/20 18:00	3.298	261.2	9.13	26.08	29.15	0
9/4/20 18:15	4.274	259.3	8.88	25.63	29.15	0
9/4/20 18:30	6.042	262.3	7.012	24.79	29.15	0
9/4/20 18:45	7.941	254.5	7.3	24.14	29.15	0
9/4/20 19:00	10.95	252.2	8.85	22.71	29.19	0
9/4/20 19:15	8.27	244.2	7.245	21.79	29.19	0
9/4/20 19:30	6.837	220	8.31	20.93	29.19	0
9/4/20 19:45	5.329	224.6	12.49	20.21	29.19	0
9/4/20 20:00	5.655	245.7	8.16	19.38	29.23	0
9/4/20 20:15	6.585	202.6	13.64	18.84	29.23	0
9/4/20 20:30	8.5	184.4	7.938	18.05	29.23	0
9/4/20 20:45	6.991	201.6	6.022	17.73	29.23	0
9/4/20 21:00	7.344	228.5	8.51	18.03	29.24	0
9/4/20 21:15	6.085	233.8	5.457	17.6	29.24	0
9/4/20 21:30	3.913	236.1	4.133	17.27	29.24	0
9/4/20 21:45	2.859	244.4	9.58	17.03	29.24	0
9/4/20 22:00	2.98	262.9	11.22	16.66	29.24	0
9/4/20 22:15	3.236	252.5	15.35	16.43	29.24	0
9/4/20 22:30	4.454	240.2	8.08	16.23	29.24	0
9/4/20 22:45	1.283	256.6	4.318	16.04	29.24	0
9/4/20 23:00	0.823	224	9.03	15.96	29.25	0
9/4/20 23:15	2.974	197.6	12.49	15.75	29.25	0
9/4/20 23:30	2.97	206.2	9.59	15.52	29.25	0
9/4/20 23:45	4.498	193.9	7.081	15.23	29.25	0
9/5/20 0:00	4.869	179	4.83	14.99	29.29	0
9/5/20 0:15	5.383	189	10.34	14.79	29.29	0
9/5/20 0:30	5.338	198.4	3.118	14.53	29.29	0
9/5/20 0:45	5.574	202	3.278	14.61	29.29	0
9/5/20 1:00	4.917	190.1	7.316	14.66	29.29	0
9/5/20 1:15	5.164	174.4	7.396	14.53	29.29	0
9/5/20 1:30	5.353	168.4	6.716	14.48	29.29	0
9/5/20 1:45	5.263	179.6	7.357	14.58	29.29	0
9/5/20 2:00	5.221	182	6.084	14.61	29.32	0
9/5/20 2:15	5.012	174.1	9.13	14.55	29.32	0
9/5/20 2:30	4.815	163.1	6.973	14.5	29.32	0
9/5/20 2:45	5.122	163.4	12.95	14.44	29.32	0
9/5/20 3:00	4.848	170	10.94	14.34	29.3	0
9/5/20 3:15	4.526	184.2	12.6	14.16	29.3	0
9/5/20 3:30	3.628	186.1	12.46	14.01	29.3	0
9/5/20 3:45	2.936	180.5	6.576	13.86	29.3	0
9/5/20 4:00	2.36	172.4	10.07	13.75	29.34	0
9/5/20 4:15	2.388	198.5	17.06	13.8	29.34	0
9/5/20 4:30	3.268	244.8	5.764	13.76	29.34	0
9/5/20 4:45	4.569	255.7	10.31	13.61	29.34	0
9/5/20 5:00	4.85	259.2	4.088	13.38	29.35	0
9/5/20 5:15	4.567	271.9	5.398	13.35	29.35	0
9/5/20 5:30	3.73	286.6	6.969	13.35	29.35	0
9/5/20 5:45	2.855	298.6	7.606	13.33	29.35	0
9/5/20 6:00	3.361	269.7	13.08	13.34	29.35	0
9/5/20 6:15	3.126	272.2	7.33	13.4	29.35	0
9/5/20 6:30	3.031	281.9	13.56	13.44	29.35	0
9/5/20 6:45	2.24	276.9	14.85	13.48	29.35	0
9/5/20 7:00	3.571	263.9	13.51	13.5	29.37	0
9/5/20 7:15	2.946	303	11.15	13.51	29.37	0
9/5/20 7:30	1.475	307	7.09	13.46	29.37	0
9/5/20 7:45	1.209	306.4	7.816	13.62	29.37	0
9/5/20 8:00	2.132	332.2	13.62	13.7	29.4	0
9/5/20 8:15	1.417	19.64	5.669	13.59	29.4	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/5/20 8:30	0.1	22.7	2.327	13.81	29.4	0
9/5/20 8:45	0.076	37.19	0.657	13.92	29.4	0
9/5/20 9:00	0.512	289.1	28.89	14.2	29.41	0
9/5/20 9:15	2.581	318.2	25.57	14.08	29.41	0
9/5/20 9:30	3.493	264.4	18.54	14.17	29.41	0
9/5/20 9:45	2.345	261.6	11.34	14.44	29.41	0
9/5/20 10:00	2.741	270.1	14.65	14.72	29.43	0
9/5/20 10:15	2.813	304.8	22.67	14.85	29.43	0
9/5/20 10:30	2.237	333.2	26.45	15.09	29.43	0
9/5/20 10:45	1.949	52.91	9.61	15.33	29.43	0
9/5/20 11:00	1.377	21.25	17.83	15.6	29.43	0
9/5/20 11:15	1.715	57.62	18.52	15.83	29.43	0
9/5/20 11:30	1.491	18.48	19.83	16.23	29.43	0
9/5/20 11:45	1.763	41.94	38.15	16.64	29.43	0
9/5/20 12:00	1.729	65.92	27.16	16.83	29.45	0
9/5/20 12:15	1.746	103	19.71	17.18	29.45	0
9/5/20 12:30	2.595	80.2	17.3	17.2	29.45	0
9/5/20 12:45	2.377	103	24.69	17.48	29.45	0
9/5/20 13:00	2.673	36.02	19.27	17.55	29.43	0
9/5/20 13:15	2.408	42.29	33.33	17.72	29.43	0
9/5/20 13:30	3.433	41.47	26.06	17.8	29.43	0
9/5/20 13:45	2.119	79.86	14.42	17.95	29.43	0
9/5/20 14:00	3.025	23.26	40.87	18.2	29.42	0
9/5/20 14:15	1.799	13.39	26.21	18.3	29.42	0
9/5/20 14:30	2.39	102.6	22.62	18.54	29.42	0
9/5/20 14:45	2.945	72.09	20.66	18.85	29.42	0
9/5/20 15:00	4.271	58.38	23.21	18.91	29.41	0
9/5/20 15:15	3.526	64.45	31.45	19.47	29.41	0
9/5/20 15:30	4.403	82.2	17.7	19.72	29.41	0
9/5/20 15:45	3.806	107.5	17.77	19.22	29.41	0
9/5/20 16:00	4.322	110.7	18.47	19.61	29.41	0
9/5/20 16:15	2.734	136.3	22.01	20.17	29.41	0
9/5/20 16:30	2.031	143.1	38.43	20.13	29.41	0
9/5/20 16:45	1.438	40.28	36.93	20.53	29.41	0
9/5/20 17:00	2.261	10.81	27.65	20.15	29.41	0
9/5/20 17:15	2.308	24.94	28.8	20.09	29.41	0
9/5/20 17:30	4.525	29.13	14.22	19.61	29.41	0
9/5/20 17:45	3.629	33.51	11.8	19.32	29.41	0
9/5/20 18:00	3.49	63.77	10.58	19.06	29.42	0
9/5/20 18:15	2.78	54.32	16.54	18.71	29.42	0
9/5/20 18:30	2.303	100.7	14.66	18.43	29.42	0
9/5/20 18:45	1.902	105.6	9.42	18.15	29.42	0
9/5/20 19:00	2.554	91.8	13.94	17.88	29.42	0
9/5/20 19:15	1.573	41.61	8.26	17.39	29.42	0
9/5/20 19:30	2.536	20.69	8.13	17.29	29.42	0
9/5/20 19:45	2.524	6.945	8.33	16.8	29.42	0
9/5/20 20:00	2.092	34.85	12.86	16.58	29.43	0
9/5/20 20:15	2.883	42.54	7.777	16.53	29.43	0
9/5/20 20:30	1.738	49.6	1.033	16.51	29.43	0
9/5/20 20:45	1.707	27.74	12.97	16.34	29.43	0
9/5/20 21:00	1.218	23.48	5.666	16.14	29.43	0
9/5/20 21:15	2.256	7.196	4.917	15.81	29.43	0
9/5/20 21:30	2.682	10.05	2.974	15.57	29.43	0
9/5/20 21:45	3.474	12.74	4.758	15.34	29.43	0
9/5/20 22:00	3.188	3.678	7.045	15.37	29.44	0
9/5/20 22:15	3.247	358.6	8.99	14.99	29.44	0
9/5/20 22:30	3.663	354.7	10.58	14.82	29.44	0
9/5/20 22:45	2.574	7.43	4.147	14.57	29.44	0
9/5/20 23:00	1.649	23.84	7.201	14.14	29.42	0
9/5/20 23:15	3.27	9.7	5.555	13.85	29.42	0
9/5/20 23:30	2.874	18.51	10.37	13.78	29.42	0
9/5/20 23:45	2.675	44.31	11.57	13.93	29.42	0
9/6/20 0:00	3.205	23.6	11.25	13.66	29.42	0
9/6/20 0:15	4.104	8.23	3.046	13.36	29.42	0
9/6/20 0:30	3.507	15.32	6.723	13.23	29.42	0
9/6/20 0:45	2.427	31.15	14	12.98	29.42	0
9/6/20 1:00	3.049	26.94	9.67	12.93	29.43	0
9/6/20 1:15	5.152	14.42	14.16	12.88	29.43	0
9/6/20 1:30	6.084	4.849	7.481	12.88	29.43	0
9/6/20 1:45	5.727	354.5	13.18	13	29.43	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/6/20 2:00	6.943	6.383	10.22	12.92	29.44	0
9/6/20 2:15	9.11	11.8	6.715	13.18	29.44	0
9/6/20 2:30	7.093	14.19	8.83	13.16	29.44	0
9/6/20 2:45	6.963	11.93	6.713	12.9	29.44	0
9/6/20 3:00	6.113	16.85	6.651	12.65	29.45	0
9/6/20 3:15	5.712	27.43	7.624	12.55	29.45	0
9/6/20 3:30	5.302	30.45	8.22	12.61	29.45	0
9/6/20 3:45	6.283	22.04	5.615	12.49	29.45	0
9/6/20 4:00	6.8	26.08	7.626	12.51	29.46	0
9/6/20 4:15	5.469	24.07	8.33	12.35	29.46	0
9/6/20 4:30	6.187	21.79	8.52	12.45	29.46	0
9/6/20 4:45	6.544	6.969	9.58	12.33	29.46	0
9/6/20 5:00	4.052	359	9.16	12.34	29.46	0
9/6/20 5:15	3.288	8.78	6.915	12.27	29.46	0
9/6/20 5:30	3.629	5.338	7.26	12.22	29.46	0
9/6/20 5:45	2.89	2.501	8.94	12.31	29.46	0
9/6/20 6:00	2.998	9.62	7.468	12.15	29.45	0
9/6/20 6:15	3.849	1.047	9.65	12.15	29.45	0
9/6/20 6:30	3.841	9.92	6.066	12.12	29.45	0
9/6/20 6:45	4.131	6.911	7.455	11.96	29.45	0
9/6/20 7:00	3.791	6.988	7.781	12.1	29.45	0
9/6/20 7:15	4.042	13.17	6.981	12.28	29.45	0
9/6/20 7:30	4.596	13.39	6.149	12.49	29.45	0
9/6/20 7:45	4.339	22.14	7.755	12.61	29.45	0
9/6/20 8:00	3.513	20.92	6.333	12.77	29.45	0
9/6/20 8:15	2.703	0.864	12.07	13.38	29.45	0
9/6/20 8:30	2.03	336.1	24.42	14.22	29.45	0
9/6/20 8:45	3.93	23.85	9.12	15.12	29.45	0
9/6/20 9:00	3.725	24.71	14.63	15.7	29.46	0
9/6/20 9:15	3.663	15.43	13.45	16.55	29.46	0
9/6/20 9:30	3.031	16.88	11.1	17.44	29.46	0
9/6/20 9:45	3.449	15.28	12.81	18.25	29.46	0
9/6/20 10:00	3.805	18.94	21.28	19.19	29.47	0
9/6/20 10:15	3.912	14.46	33.14	19.68	29.47	0
9/6/20 10:30	4.785	358.2	15.65	20.24	29.47	0
9/6/20 10:45	5.434	339.9	19.76	21.04	29.47	0
9/6/20 11:00	5.149	2.134	16.49	21.53	29.46	0
9/6/20 11:15	8.81	14.97	11.66	21.98	29.46	0
9/6/20 11:30	9.04	13.64	11.5	22.03	29.46	0
9/6/20 11:45	8.75	1.858	15.43	22.68	29.46	0
9/6/20 12:00	8.47	325.2	16.4	23.1	29.43	0
9/6/20 12:15	8.58	318.5	15.95	23.35	29.43	0
9/6/20 12:30	9.67	314.5	15.42	23.93	29.43	0
9/6/20 12:45	8.88	325.9	18.56	24.14	29.43	0
9/6/20 13:00	8.75	319.5	17.73	24.26	29.41	0
9/6/20 13:15	8.72	334.4	21.88	24.3	29.41	0
9/6/20 13:30	7.657	341.5	25.34	24.96	29.41	0
9/6/20 13:45	8.29	0.052	20.2	24.77	29.41	0
9/6/20 14:00	7.837	15.42	18.68	25.03	29.42	0
9/6/20 14:15	7.626	353	20.36	25.22	29.42	0
9/6/20 14:30	8.83	341.4	18.64	25.61	29.42	0
9/6/20 14:45	8.73	334.3	16.33	25.72	29.42	0
9/6/20 15:00	9.01	334.6	16.2	25.92	29.38	0
9/6/20 15:15	9	3.694	16.43	26.08	29.38	0
9/6/20 15:30	7.325	349.4	19.13	26.17	29.38	0
9/6/20 15:45	7.983	341.5	26.26	26.3	29.38	0
9/6/20 16:00	7.491	339.8	21.05	26.19	29.37	0
9/6/20 16:15	8.28	327.6	22.41	25.91	29.37	0
9/6/20 16:30	5.363	339.6	22.92	25.79	29.37	0
9/6/20 16:45	6.646	341.2	29.82	25.63	29.37	0
9/6/20 17:00	6.853	1.303	21.33	25	29.37	0
9/6/20 17:15	6.253	349.6	15.6	24.95	29.37	0
9/6/20 17:30	5.203	339.2	14.47	24.83	29.37	0
9/6/20 17:45	5.63	341.9	16.24	24.54	29.37	0
9/6/20 18:00	7.158	323.1	15.7	24.22	29.34	0
9/6/20 18:15	5.782	308.1	10.02	23.55	29.34	0
9/6/20 18:30	5.912	301.7	7.023	22.92	29.34	0
9/6/20 18:45	6.079	298.1	17.39	22.54	29.34	0
9/6/20 19:00	5.295	281.7	5.303	21.97	29.35	0
9/6/20 19:15	6.194	273.1	7.06	21.63	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/6/20 19:30	5.953	289.6	5.87	21.35	29.35	0
9/6/20 19:45	5.899	296.3	6.677	21.57	29.35	0
9/6/20 20:00	6.05	315.8	11.63	21.43	29.33	0
9/6/20 20:15	6.726	314.9	10.54	20.94	29.33	0
9/6/20 20:30	7.651	325.6	5.151	20.29	29.33	0
9/6/20 20:45	7.929	332.1	6.276	20.19	29.33	0
9/6/20 21:00	6.864	347.9	9.11	20.41	29.32	0
9/6/20 21:15	6.442	342.7	8.05	20.06	29.32	0
9/6/20 21:30	5.329	347.6	14.22	19.96	29.32	0
9/6/20 21:45	5.318	352.7	11.64	19.62	29.32	0
9/6/20 22:00	3.669	348.4	16.68	19.56	29.33	0
9/6/20 22:15	3.62	333.9	7.943	19.31	29.33	0
9/6/20 22:30	4.259	343.1	5.531	18.82	29.33	0
9/6/20 22:45	3.736	358.3	7.928	18.48	29.33	0
9/6/20 23:00	2.648	4.555	7.903	18.56	29.33	0
9/6/20 23:15	1.653	326.9	24.39	18.49	29.33	0
9/6/20 23:30	1.999	321.8	36.04	18.86	29.33	0
9/6/20 23:45	2.664	8.08	9.31	18.76	29.33	0
9/7/20 0:00	3.979	23.44	6.351	17.88	29.33	0
9/7/20 0:15	1.933	17.76	16.47	18.59	29.33	0
9/7/20 0:30	1.545	7.587	19.89	18.97	29.33	0
9/7/20 0:45	3.865	24.12	7.392	18.29	29.33	0
9/7/20 1:00	3.28	17.37	14.5	17.57	29.31	0
9/7/20 1:15	2.745	344	14.88	17.43	29.31	0
9/7/20 1:30	3.072	338.6	20.97	17.56	29.31	0
9/7/20 1:45	1.957	10.37	8.07	16.65	29.31	0
9/7/20 2:00	4.427	15.54	8.08	16.26	29.3	0
9/7/20 2:15	5.219	7.712	7.972	15.68	29.3	0
9/7/20 2:30	4.728	1.461	8.92	15.57	29.3	0
9/7/20 2:45	5.12	7.621	6.479	15.58	29.3	0
9/7/20 3:00	5.384	5.109	6.275	15.4	29.28	0
9/7/20 3:15	6.16	7.393	5.101	15.18	29.28	0
9/7/20 3:30	8.19	7.726	6.242	15.33	29.28	0
9/7/20 3:45	9.85	8.08	5.637	15.84	29.28	0
9/7/20 4:00	9.34	6.24	7.746	15.62	29.3	0
9/7/20 4:15	7.106	6.305	7.938	15.18	29.3	0
9/7/20 4:30	3.91	10.57	16.22	14.93	29.3	0
9/7/20 4:45	3.498	22.33	17.27	14.74	29.3	0
9/7/20 5:00	6.184	26.18	9.01	14.56	29.29	0
9/7/20 5:15	6.239	14.91	12.98	14.91	29.29	0
9/7/20 5:30	6.711	11.86	18.74	15.57	29.29	0
9/7/20 5:45	8.31	15.36	13.35	16.05	29.29	0
9/7/20 6:00	10.59	11.8	14.98	16	29.3	0
9/7/20 6:15	10.09	17.35	9.85	16.09	29.3	0
9/7/20 6:30	11.24	21.94	13.68	16.14	29.3	0
9/7/20 6:45	10.22	24.21	15.3	16.1	29.3	0
9/7/20 7:00	8.49	29.64	12.36	16.12	29.32	0
9/7/20 7:15	11.53	12.41	12.99	16.35	29.32	0
9/7/20 7:30	8.31	15.56	20.9	16.48	29.32	0
9/7/20 7:45	14.86	14.13	11.4	16.7	29.32	0
9/7/20 8:00	19.1	23.3	11.15	16.8	29.32	0
9/7/20 8:15	16.01	37.19	9.08	16.85	29.32	0
9/7/20 8:30	14.66	29.28	8.42	17.11	29.32	0
9/7/20 8:45	14.01	18.78	10.05	17.38	29.32	0
9/7/20 9:00	8.67	356.9	20.47	17.73	29.31	0
9/7/20 9:15	10.34	338.4	13.12	18.33	29.31	0
9/7/20 9:30	9.52	358.9	20.78	18.63	29.31	0
9/7/20 9:45	10.33	15.94	17.38	18.91	29.31	0
9/7/20 10:00	11.54	19.46	11.07	18.88	29.33	0
9/7/20 10:15	10.53	350.3	17.05	19.36	29.33	0
9/7/20 10:30	10.08	8.72	23.28	19.95	29.33	0
9/7/20 10:45	5.991	2.762	33.82	20.36	29.33	0
9/7/20 11:00	6.085	346.1	30.35	21.3	29.32	0
9/7/20 11:15	6.859	20.95	29.89	21.38	29.32	0
9/7/20 11:30	7.108	8.15	29.05	21.74	29.32	0
9/7/20 11:45	8.41	22.83	20.74	22.15	29.32	0
9/7/20 12:00	9.42	357.2	24.63	22.23	29.32	0
9/7/20 12:15	7.97	359.8	23.11	22.84	29.32	0
9/7/20 12:30	7.407	8.63	23.81	23.3	29.32	0
9/7/20 12:45	10.56	345.3	16.49	23.54	29.32	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/7/20 13:00	7.559	0.503	26.84	24.3	29.31	0
9/7/20 13:15	6.546	22.43	28.91	24.54	29.31	0
9/7/20 13:30	6.418	8.8	33.08	25.21	29.31	0
9/7/20 13:45	6.939	8.97	34.92	25.92	29.31	0
9/7/20 14:00	4.936	11.62	42.84	26.46	29.28	0
9/7/20 14:15	4.605	44.67	32.11	26.44	29.28	0
9/7/20 14:30	5.782	26.83	26.29	27.09	29.28	0
9/7/20 14:45	7.374	8.72	23.05	27.41	29.28	0
9/7/20 15:00	8.71	20.78	18.98	27.7	29.28	0
9/7/20 15:15	7.732	5.221	21.59	27.87	29.28	0
9/7/20 15:30	6.393	19.33	19.1	28.37	29.28	0
9/7/20 15:45	7.454	22.8	16.36	28.86	29.28	0
9/7/20 16:00	9.83	19.44	10.46	28.79	29.31	0
9/7/20 16:15	8.62	18.69	10.98	28.95	29.31	0
9/7/20 16:30	8.37	18.61	8.15	28.88	29.31	0
9/7/20 16:45	7.557	25.89	8.95	28.46	29.31	0
9/7/20 17:00	5.632	50.19	15.81	28.24	29.31	0
9/7/20 17:15	8.36	107.2	70.25	27.94	29.31	0
9/7/20 17:30	12.08	151.4	14.26	26.91	29.31	0
9/7/20 17:45	15.99	131.3	9.62	26.11	29.31	0
9/7/20 18:00	6.851	147.9	14.87	25.65	29.35	0
9/7/20 18:15	6.036	146.4	20.18	25.01	29.35	0
9/7/20 18:30	5.697	145.3	18.79	24.44	29.35	0
9/7/20 18:45	5.86	127.4	17.12	24.11	29.35	0
9/7/20 19:00	9.75	120.9	17.47	23.78	29.38	0
9/7/20 19:15	11.05	124.3	18.4	23.55	29.38	0
9/7/20 19:30	16.24	117.9	15.42	23.36	29.38	0
9/7/20 19:45	19.45	119	14.47	23.22	29.38	0
9/7/20 20:00	20.16	124.3	12.83	23.04	29.4	0
9/7/20 20:15	21.05	122.1	13.4	22.73	29.4	0
9/7/20 20:30	18.08	120	14.28	22.35	29.4	0
9/7/20 20:45	14.04	112.6	13.02	21.94	29.4	0
9/7/20 21:00	11.7	113.9	20.23	21.64	29.45	0
9/7/20 21:15	14.8	112.4	19.72	21.48	29.45	0
9/7/20 21:30	12.52	115.7	21.34	21.19	29.45	0
9/7/20 21:45	15.1	112.4	18.9	20.92	29.45	0
9/7/20 22:00	14.67	109.3	16.63	20.69	29.45	0
9/7/20 22:15	18.54	113.7	15.07	20.6	29.45	0
9/7/20 22:30	19.92	111.2	15.37	20.43	29.45	0
9/7/20 22:45	18.46	113.4	13.25	20.15	29.45	0
9/7/20 23:00	18.63	109.9	13.15	20.06	29.47	0
9/7/20 23:15	16.17	115.9	14.84	19.9	29.47	0
9/7/20 23:30	14.62	115	14.76	19.58	29.47	0
9/7/20 23:45	14.72	116	14.85	19.42	29.47	0
9/8/20 0:00	16.55	118.5	12.07	19.36	29.5	0
9/8/20 0:15	15.49	117.2	12.15	19.19	29.5	0
9/8/20 0:30	19.19	114.8	13.7	19.33	29.5	0
9/8/20 0:45	17.96	115.1	12.25	19.38	29.5	0
9/8/20 1:00	14.34	116.8	14.11	19.04	29.5	0
9/8/20 1:15	13.36	114.7	13.81	18.9	29.5	0
9/8/20 1:30	10.89	114	14.04	18.66	29.5	0
9/8/20 1:45	11.02	120.3	14.26	18.59	29.5	0
9/8/20 2:00	9.75	125.6	12.01	18.37	29.52	0
9/8/20 2:15	8.84	119	13.28	18.13	29.52	0
9/8/20 2:30	7.863	118.3	14.59	18.01	29.52	0
9/8/20 2:45	7.12	110.2	10.38	17.81	29.52	0
9/8/20 3:00	8.11	110.9	9.66	17.54	29.52	0
9/8/20 3:15	8.88	106.5	13.78	17.43	29.52	0
9/8/20 3:30	9.7	112.3	10.25	17.51	29.52	0
9/8/20 3:45	10.95	112.6	11.85	17.55	29.52	0
9/8/20 4:00	10.83	109.1	10.2	17.33	29.5	0
9/8/20 4:15	11.74	110.3	11.39	17.35	29.5	0
9/8/20 4:30	12.29	109.5	11.3	17.27	29.5	0
9/8/20 4:45	12.16	113.1	12.12	17.17	29.5	0
9/8/20 5:00	12.76	107.9	13.16	17.19	29.51	0
9/8/20 5:15	12.27	100.3	12.6	17.11	29.51	0
9/8/20 5:30	12.23	105.4	13.68	17.01	29.51	0
9/8/20 5:45	14.29	106.2	13.1	16.96	29.51	0
9/8/20 6:00	12.37	101.9	14.11	16.75	29.52	0
9/8/20 6:15	13.11	102.4	13.3	16.81	29.52	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/8/20 6:30	14.58	101	14.31	16.98	29.52	0
9/8/20 6:45	14.69	101.9	13.28	17.1	29.52	0
9/8/20 7:00	15.8	108.6	14.33	17.18	29.52	0
9/8/20 7:15	15.08	99.8	12.83	17.3	29.52	0
9/8/20 7:30	13.71	100.3	14.49	17.48	29.52	0
9/8/20 7:45	14.49	100.9	13.73	17.69	29.52	0
9/8/20 8:00	12.79	99.9	14.96	18.08	29.5	0
9/8/20 8:15	10.41	97.5	18.83	18.58	29.5	0
9/8/20 8:30	10.87	89.7	19.43	18.83	29.5	0
9/8/20 8:45	11.25	93.1	18.51	19.29	29.5	0
9/8/20 9:00	11.43	93.5	21.95	19.59	29.49	0
9/8/20 9:15	8.04	80.8	22.97	20.3	29.49	0
9/8/20 9:30	8.78	86.5	24.71	20.77	29.49	0
9/8/20 9:45	10.2	76.04	22.39	20.82	29.49	0
9/8/20 10:00	9.33	85.5	19.12	21.27	29.45	0
9/8/20 10:15	8.72	95	22	21.52	29.45	0
9/8/20 10:30	6.859	54.66	26.23	22.09	29.45	0
9/8/20 10:45	11.38	39.51	15.96	22.47	29.45	0
9/8/20 11:00	10.28	31.7	15.5	22.36	29.43	0
9/8/20 11:15	8.12	96.5	23.47	23.23	29.43	0
9/8/20 11:30	10.25	36.05	16.41	23.11	29.43	0
9/8/20 11:45	7.169	49.34	19.51	23.75	29.43	0
9/8/20 12:00	9.18	36.02	20.57	23.57	29.39	0
9/8/20 12:15	8.13	39.47	24.9	23.76	29.39	0
9/8/20 12:30	10.23	42.77	25.32	24.47	29.39	0
9/8/20 12:45	9.32	54.12	21.36	24.83	29.39	0
9/8/20 13:00	9.73	79.13	45.52	25.36	29.37	0
9/8/20 13:15	8.38	96.8	22.28	25.55	29.37	0
9/8/20 13:30	8.03	49.34	20.67	25.26	29.37	0
9/8/20 13:45	7.144	10.8	19.67	25.48	29.37	0
9/8/20 14:00	10.12	11.46	13.55	25.83	29.36	0
9/8/20 14:15	7.814	46.04	35.66	25.86	29.36	0
9/8/20 14:30	5.912	62.75	28.46	25.82	29.36	0
9/8/20 14:45	7.289	17.59	16.52	26.22	29.36	0
9/8/20 15:00	7.566	53.33	25.95	26.45	29.34	0
9/8/20 15:15	6.495	22.6	18.98	26.34	29.34	0
9/8/20 15:30	5.487	18.27	20.74	26.85	29.34	0
9/8/20 15:45	5.147	23	18.82	26.72	29.34	0
9/8/20 16:00	3.569	25.46	25.8	26.91	29.32	0
9/8/20 16:15	4.777	32.81	25.89	26.45	29.32	0
9/8/20 16:30	4.631	32.16	22.76	26.57	29.32	0
9/8/20 16:45	7.058	15.55	12.93	26.13	29.32	0
9/8/20 17:00	8.9	11.7	8.6	25.08	29.31	0
9/8/20 17:15	11.53	1.961	14.5	24.29	29.31	0
9/8/20 17:30	10.98	9.06	11.62	23.57	29.31	0
9/8/20 17:45	9.53	31.35	18.9	22.97	29.31	0
9/8/20 18:00	7.2	35.23	14.05	22.56	29.3	0
9/8/20 18:15	6.233	62.71	17.97	22.15	29.3	0
9/8/20 18:30	6.329	86.6	10.59	22.15	29.3	0
9/8/20 18:45	7.622	51.85	11.13	21.94	29.3	0
9/8/20 19:00	10.45	35.65	8.49	21.96	29.29	0
9/8/20 19:15	9.24	29.79	6.069	21.31	29.29	0
9/8/20 19:30	8.41	22.18	6.27	21.05	29.29	0
9/8/20 19:45	6.657	29.88	8.37	21.45	29.29	0
9/8/20 20:00	5	26.33	4.332	20.69	29.3	0
9/8/20 20:15	3.761	42.29	25.23	20	29.3	0
9/8/20 20:30	4.181	31.79	12.75	19.68	29.3	0
9/8/20 20:45	4.711	26.53	8.29	19	29.3	0
9/8/20 21:00	4.819	28.67	8.95	18.34	29.27	0
9/8/20 21:15	4.672	28.78	9.24	18.19	29.27	0
9/8/20 21:30	4.578	20.72	9.44	18.1	29.27	0
9/8/20 21:45	5.346	26.84	7.919	17.86	29.27	0
9/8/20 22:00	4.524	27.1	9.85	17.56	29.26	0
9/8/20 22:15	5.643	22.55	5.683	17.45	29.26	0
9/8/20 22:30	5.737	24.09	6.769	17.5	29.26	0
9/8/20 22:45	6.318	20.32	7.485	16.88	29.26	0
9/8/20 23:00	6.283	16.37	9.67	16.49	29.28	0
9/8/20 23:15	6.992	25.36	7.137	15.92	29.28	0
9/8/20 23:30	6.525	25.71	10.56	15.96	29.28	0
9/8/20 23:45	5.835	21.46	11.67	16.31	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/9/20 0:00	5.598	27.84	8.98	16	29.27	0
9/9/20 0:15	5.989	24.63	7.743	15.97	29.27	0
9/9/20 0:30	5.782	24.63	6.979	16.18	29.27	0
9/9/20 0:45	5.879	20.68	4.999	16	29.27	0
9/9/20 1:00	6.51	20.86	4.503	15.88	29.25	0
9/9/20 1:15	5.719	26.88	8.72	15.97	29.25	0
9/9/20 1:30	6.056	26.3	5.859	16.36	29.25	0
9/9/20 1:45	6.417	20.37	8.3	15.67	29.25	0
9/9/20 2:00	6.453	16.78	7.612	15.76	29.26	0
9/9/20 2:15	5.835	20.05	10.71	16.17	29.26	0
9/9/20 2:30	5.249	21.53	7.512	16.15	29.26	0
9/9/20 2:45	5.187	24.73	5.097	16.15	29.26	0
9/9/20 3:00	5.56	25.5	6.491	15.54	29.24	0
9/9/20 3:15	4.171	27.56	5.489	16.51	29.24	0
9/9/20 3:30	3.489	40.17	14.72	16.09	29.24	0
9/9/20 3:45	5.171	31.83	5.02	15.41	29.24	0
9/9/20 4:00	5.036	31.35	5.621	15.07	29.23	0
9/9/20 4:15	4.884	32.83	6.729	15.39	29.23	0
9/9/20 4:30	5.251	23.55	8.19	15.75	29.23	0
9/9/20 4:45	5.532	36.54	6.64	16.06	29.23	0
9/9/20 5:00	5.331	59.88	23.97	16.64	29.25	0
9/9/20 5:15	7.622	95.7	7.878	19.41	29.25	0
9/9/20 5:30	8.11	102.2	5.99	20.44	29.25	0
9/9/20 5:45	8.55	97.3	7.92	20.81	29.25	0
9/9/20 6:00	8.57	77.46	5.694	20.95	29.25	0
9/9/20 6:15	7.37	61.72	12.62	17.87	29.25	0
9/9/20 6:30	6.632	40.3	11.83	15.58	29.25	0
9/9/20 6:45	6.329	51.96	12.86	16.19	29.25	0
9/9/20 7:00	4.81	44.93	9.41	18.04	29.25	0
9/9/20 7:15	4.934	26.06	9.66	17.24	29.25	0
9/9/20 7:30	5.423	15.19	9.67	16.25	29.25	0
9/9/20 7:45	5.903	28.26	17.69	18.37	29.25	0
9/9/20 8:00	6.396	50.95	9.05	20.13	29.24	0
9/9/20 8:15	5.453	33.29	9.29	19.36	29.24	0
9/9/20 8:30	5.478	34.74	9.32	21.36	29.24	0
9/9/20 8:45	4.595	54.86	21.22	23.31	29.24	0
9/9/20 9:00	6.081	66.85	26.04	24.28	29.25	0
9/9/20 9:15	7.937	70.58	19.73	24.59	29.25	0
9/9/20 9:30	6.913	48.17	18.47	24.09	29.25	0
9/9/20 9:45	6.242	42.8	13.97	24.11	29.25	0
9/9/20 10:00	6.514	53.94	25.08	24.92	29.24	0
9/9/20 10:15	6.73	65.2	22.98	25.57	29.24	0
9/9/20 10:30	6.709	70.22	22.81	26.53	29.24	0
9/9/20 10:45	8.03	73.77	29.26	27.65	29.24	0
9/9/20 11:00	10.93	74.81	21.56	28.32	29.22	0
9/9/20 11:15	9.09	96.6	19.14	29.15	29.22	0
9/9/20 11:30	9.28	83.7	17.6	29.55	29.22	0
9/9/20 11:45	11.13	98.4	14.04	29.59	29.22	0
9/9/20 12:00	10.44	82.2	24.35	29.99	29.19	0
9/9/20 12:15	10.27	85.4	32.44	30.41	29.19	0
9/9/20 12:30	10.72	85.9	23.23	30.58	29.19	0
9/9/20 12:45	9.72	92.8	19	30.72	29.19	0
9/9/20 13:00	9.86	96	17.61	31.27	29.18	0
9/9/20 13:15	11.16	76.29	23.36	31.1	29.18	0
9/9/20 13:30	8.96	109	16.31	31.75	29.18	0
9/9/20 13:45	11.07	110.9	15.33	31.9	29.18	0
9/9/20 14:00	13.14	104.3	18.61	31.78	29.17	0
9/9/20 14:15	9.81	104.3	16.66	32.17	29.17	0
9/9/20 14:30	9.27	105.7	18.58	32.34	29.17	0
9/9/20 14:45	9.33	98.7	19.18	32.37	29.17	0
9/9/20 15:00	10.53	107.8	17.07	32.42	29.13	0
9/9/20 15:15	12.3	111.7	12.99	32.14	29.13	0
9/9/20 15:30	12.58	117	13.5	32.14	29.13	0
9/9/20 15:45	12.02	111.5	15.77	32.05	29.13	0
9/9/20 16:00	12.58	111.1	13.04	31.82	29.14	0
9/9/20 16:15	7.624	90.3	29.45	31.79	29.14	0
9/9/20 16:30	7.015	66.09	20.73	30.48	29.14	0
9/9/20 16:45	8.03	34.86	18.29	29.9	29.14	0
9/9/20 17:00	9.78	35.39	13.8	29.36	29.12	0
9/9/20 17:15	9.61	32.91	10.88	28.81	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/9/20 17:30	9.52	25.89	11.7	28.31	29.12	0
9/9/20 17:45	8.29	36.55	17.17	27.77	29.12	0
9/9/20 18:00	6.574	25.71	10.66	27.1	29.13	0
9/9/20 18:15	6.736	28.69	9.18	26.59	29.13	0
9/9/20 18:30	6.561	26.35	9.55	26.07	29.13	0
9/9/20 18:45	7.21	28.43	8.58	25.72	29.13	0
9/9/20 19:00	5.202	31.6	9.2	25.63	29.14	0
9/9/20 19:15	6.382	30.49	6.962	24.82	29.14	0
9/9/20 19:30	6.445	33.53	10.27	24.13	29.14	0
9/9/20 19:45	5.922	41.49	13.62	24.32	29.14	0
9/9/20 20:00	5.192	29.69	9.44	24.57	29.16	0
9/9/20 20:15	5.734	23.02	6.651	23.8	29.16	0
9/9/20 20:30	6.065	27.26	12.89	23.54	29.16	0
9/9/20 20:45	6.731	35.43	9.58	23.72	29.16	0
9/9/20 21:00	5.32	38.41	15.47	23.78	29.14	0
9/9/20 21:15	5.686	73.88	22.01	24.4	29.14	0
9/9/20 21:30	6.342	93.7	19.73	24.65	29.14	0
9/9/20 21:45	7.407	99.7	15.59	24.82	29.14	0
9/9/20 22:00	13.98	110.6	10.27	26.37	29.16	0
9/9/20 22:15	8.54	110.4	10.75	25.9	29.16	0
9/9/20 22:30	7.264	88.2	16.27	26.19	29.16	0
9/9/20 22:45	6.388	92.9	14.52	25.93	29.16	0
9/9/20 23:00	7.661	95.2	10.95	25.99	29.15	0
9/9/20 23:15	7.52	89.9	11.65	26.05	29.15	0
9/9/20 23:30	8.27	101.9	9.76	25.87	29.15	0
9/9/20 23:45	6.645	86.2	14.73	25.99	29.15	0
9/10/20 0:00	5.105	61.5	20.49	25.3	29.15	0
9/10/20 0:15	6.499	82.9	17.87	25.45	29.15	0
9/10/20 0:30	6.475	86	13.59	25.93	29.15	0
9/10/20 0:45	6.734	86.3	14.49	26.13	29.15	0
9/10/20 1:00	6.209	101.8	16.18	25.94	29.15	0
9/10/20 1:15	6.827	113.1	11.05	25.94	29.15	0
9/10/20 1:30	6.215	104.8	11.5	25.87	29.15	0
9/10/20 1:45	4.691	84.9	17.89	25.58	29.15	0
9/10/20 2:00	2.226	14.78	15.45	24.92	29.15	0
9/10/20 2:15	3.171	11.25	6.624	23.25	29.15	0
9/10/20 2:30	1.841	20.03	27.68	23.78	29.15	0
9/10/20 2:45	2.463	58.61	44.43	24.22	29.15	0
9/10/20 3:00	2.306	39.44	22.26	21.16	29.18	0
9/10/20 3:15	2.658	73.27	25.71	23.21	29.18	0
9/10/20 3:30	4.352	83.7	21.64	24.05	29.18	0
9/10/20 3:45	5.091	79.25	17.1	22.53	29.18	0
9/10/20 4:00	4.847	74.99	17.68	21.38	29.17	0
9/10/20 4:15	4.421	39.27	18.11	19.08	29.17	0
9/10/20 4:30	5.229	32.9	8.96	18.5	29.17	0
9/10/20 4:45	5.02	32.01	6.328	18.46	29.17	0
9/10/20 5:00	4.394	34.13	7.47	19.58	29.15	0
9/10/20 5:15	5.073	34.05	10.73	18.3	29.15	0
9/10/20 5:30	4.588	40.58	8.6	17.88	29.15	0
9/10/20 5:45	3.683	42.13	14.84	17.82	29.15	0
9/10/20 6:00	4.091	46.62	11.65	17.3	29.16	0
9/10/20 6:15	4.369	37.78	12.82	18.08	29.16	0
9/10/20 6:30	2.509	31.74	10.99	19.16	29.16	0
9/10/20 6:45	1.123	60.92	7.272	21.64	29.16	0
9/10/20 7:00	1.212	39.16	67.4	21.89	29.17	0
9/10/20 7:15	1.103	71.53	32.76	21.76	29.17	0
9/10/20 7:30	2.066	224.8	24.57	22.82	29.17	0
9/10/20 7:45	1.609	68.01	51.09	22.91	29.17	0
9/10/20 8:00	1.068	38.72	6.559	22.23	29.18	0
9/10/20 8:15	1.395	20.17	10.43	22.87	29.18	0
9/10/20 8:30	1.4	12.85	18.78	24.73	29.18	0
9/10/20 8:45	3.456	349.8	22.4	24.56	29.18	0
9/10/20 9:00	2.57	331.5	29.06	24.89	29.2	0
9/10/20 9:15	3.895	337.1	15.05	25.38	29.2	0
9/10/20 9:30	3.471	6.038	28.1	25.68	29.2	0
9/10/20 9:45	3.255	26.04	11.73	25.94	29.2	0
9/10/20 10:00	3.194	40.93	16.37	26.94	29.18	0
9/10/20 10:15	3.068	27.09	21.34	27.7	29.18	0
9/10/20 10:30	2.332	352.5	50.08	28.88	29.18	0
9/10/20 10:45	2.137	34.35	47.74	29.34	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/10/20 11:00	3.067	313	41.72	29.6	29.18	0
9/10/20 11:15	2.309	11.56	42.03	29.97	29.18	0
9/10/20 11:30	5.437	279.9	16.49	30.39	29.18	0
9/10/20 11:45	6.406	279.3	10.35	30.53	29.18	0
9/10/20 12:00	7.884	280.3	9.28	30.52	29.17	0
9/10/20 12:15	7.456	279.2	14.72	31.11	29.17	0
9/10/20 12:30	9.26	273.6	9.52	30.9	29.17	0
9/10/20 12:45	8.16	272.5	11.86	31.02	29.17	0
9/10/20 13:00	8.34	279.1	10.14	31.33	29.14	0
9/10/20 13:15	8.64	276	10.79	31.52	29.14	0
9/10/20 13:30	6.641	286.6	18.98	31.99	29.14	0
9/10/20 13:45	7.309	292.7	17.45	32.39	29.14	0
9/10/20 14:00	6.017	340.2	32.64	32.79	29.15	0
9/10/20 14:15	7.256	4.59	32.92	32.73	29.15	0
9/10/20 14:30	10.27	28.37	9.79	32.5	29.15	0
9/10/20 14:45	9.91	30.42	10.23	32.51	29.15	0
9/10/20 15:00	8.81	21.22	14.26	32.65	29.12	0
9/10/20 15:15	9.18	9.45	8.83	32.63	29.12	0
9/10/20 15:30	8.83	7.371	10.75	32.52	29.12	0
9/10/20 15:45	9.69	351.7	18.01	32.45	29.12	0
9/10/20 16:00	10.28	340	8.97	32.32	29.11	0
9/10/20 16:15	8.82	337.1	11.09	32.14	29.11	0
9/10/20 16:30	9.46	335.4	13.68	31.78	29.11	0
9/10/20 16:45	9.96	340.5	10.9	31.45	29.11	0
9/10/20 17:00	7.384	329.3	11.64	31.18	29.12	0
9/10/20 17:15	6.886	334.9	12.67	30.69	29.12	0
9/10/20 17:30	7.069	348.4	11.12	30.22	29.12	0
9/10/20 17:45	5.381	349.8	10.56	29.56	29.12	0
9/10/20 18:00	6.854	3.947	11.74	28.8	29.13	0
9/10/20 18:15	4.485	9.82	10.66	28.43	29.13	0
9/10/20 18:30	3.458	2.242	11.99	28.15	29.13	0
9/10/20 18:45	3.907	316.8	37.85	27.53	29.13	0
9/10/20 19:00	4.299	289.9	15.64	26.26	29.11	0
9/10/20 19:15	3.403	333.5	18.85	26.22	29.11	0
9/10/20 19:30	2.705	4.1	16.51	26.22	29.11	0
9/10/20 19:45	3.434	41.89	12.22	25.38	29.11	0
9/10/20 20:00	4.329	62.96	6.62	24.47	29.14	0
9/10/20 20:15	3.438	94.4	13.75	24.09	29.14	0
9/10/20 20:30	3.069	105.8	21.79	24.25	29.14	0
9/10/20 20:45	3.221	163.5	20.11	24.93	29.14	0
9/10/20 21:00	3.038	166.3	15.2	23.74	29.14	0
9/10/20 21:15	3.277	171	9.23	23.04	29.14	0
9/10/20 21:30	2.735	152.4	4.357	22.72	29.14	0
9/10/20 21:45	1.745	114.1	21.26	22.79	29.14	0
9/10/20 22:00	2.18	90.8	37.79	22.6	29.17	0
9/10/20 22:15	3.769	155	12.94	22.14	29.17	0
9/10/20 22:30	5.639	163.5	5.351	22.4	29.17	0
9/10/20 22:45	6.246	173.6	7.268	21.05	29.17	0
9/10/20 23:00	6.038	174.7	5.926	20.4	29.18	0
9/10/20 23:15	7.088	176.2	8.11	20.71	29.18	0
9/10/20 23:30	7.944	181.5	9.2	20.45	29.18	0
9/10/20 23:45	8.88	190.2	5.408	19.28	29.18	0
9/11/20 0:00	7.902	189.4	5.43	18.62	29.19	0
9/11/20 0:15	5.645	180.1	10.26	18.3	29.19	0
9/11/20 0:30	5.23	159.6	7.887	17.94	29.19	0
9/11/20 0:45	5.595	152.2	6.515	18.1	29.19	0
9/11/20 1:00	5.224	149.2	9.44	17.01	29.23	0
9/11/20 1:15	3.747	158	8.01	16.5	29.23	0
9/11/20 1:30	5.455	183.9	17.83	16.63	29.23	0
9/11/20 1:45	6.645	208.5	3.078	16.68	29.23	0
9/11/20 2:00	5.355	225.8	13.26	16.86	29.23	0
9/11/20 2:15	5.494	226.6	7.208	16.75	29.23	0
9/11/20 2:30	5.676	216.9	2.707	16.28	29.23	0
9/11/20 2:45	5.264	213.3	1.956	15.9	29.23	0
9/11/20 3:00	3.646	224.9	11.18	15.7	29.23	0
9/11/20 3:15	1.541	11.26	7.656	15.27	29.23	0
9/11/20 3:30	1.986	22.53	5.941	15.31	29.23	0
9/11/20 3:45	0.583	23.93	27.59	15.3	29.23	0
9/11/20 4:00	4.504	226.6	5.437	14.89	29.23	0
9/11/20 4:15	6.627	232	2.99	14.55	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/11/20 4:30	5.307	240.5	2.728	14.28	29.23	0
9/11/20 4:45	4.858	240.8	2.86	13.91	29.23	0
9/11/20 5:00	2.605	244.4	3.014	13.68	29.25	0
9/11/20 5:15	0.295	260.6	0.436	13.38	29.25	0
9/11/20 5:30	0.415	192.1	6.065	13.22	29.25	0
9/11/20 5:45	2.022	175.3	9.54	13.14	29.25	0
9/11/20 6:00	2.859	200.6	13.64	13.11	29.25	0
9/11/20 6:15	3.18	200.4	5.865	12.99	29.25	0
9/11/20 6:30	2.56	204.7	3.64	13.11	29.25	0
9/11/20 6:45	2.937	208	4.743	13.31	29.25	0
9/11/20 7:00	3.59	210.8	5.161	13.37	29.26	0
9/11/20 7:15	3.728	204.8	9.56	13.41	29.26	0
9/11/20 7:30	3.481	186	13.16	13.67	29.26	0
9/11/20 7:45	3.85	165.8	10.89	13.92	29.26	0
9/11/20 8:00	2.997	173.4	22.21	14.01	29.28	0
9/11/20 8:15	2.561	190.8	13.18	14.08	29.28	0
9/11/20 8:30	2.099	182.2	21.82	14.7	29.28	0
9/11/20 8:45	2.804	200.5	21.12	14.98	29.28	0
9/11/20 9:00	2.945	199.5	21.18	15.62	29.27	0
9/11/20 9:15	3.727	222.7	18	15.83	29.27	0
9/11/20 9:30	2.784	222.6	18.98	16.5	29.27	0
9/11/20 9:45	2.083	225.2	41.83	17.27	29.27	0
9/11/20 10:00	2.502	211.7	51.63	18.11	29.26	0
9/11/20 10:15	3.291	234.1	22.54	18.55	29.26	0
9/11/20 10:30	2.522	209.2	20.21	18.89	29.26	0
9/11/20 10:45	3.15	205.3	29.11	19.72	29.26	0
9/11/20 11:00	3.482	251.8	38.47	20.12	29.24	0
9/11/20 11:15	3.682	242.2	29.91	20.31	29.24	0
9/11/20 11:30	2.853	260.1	35.3	20.83	29.24	0
9/11/20 11:45	3.189	239.4	19.64	21.42	29.24	0
9/11/20 12:00	3.314	257.7	36.4	22.08	29.24	0
9/11/20 12:15	2.76	228.9	38.74	22.34	29.24	0
9/11/20 12:30	3.205	255.1	38.62	22.88	29.24	0
9/11/20 12:45	4.591	287.5	17.4	23.01	29.24	0
9/11/20 13:00	6.381	277.6	14.13	23.16	29.21	0
9/11/20 13:15	6.218	288.1	17.86	23.17	29.21	0
9/11/20 13:30	7	274	13.83	23.4	29.21	0
9/11/20 13:45	7.915	284.9	9.15	22.91	29.21	0
9/11/20 14:00	7.78	289.6	8.88	23	29.21	0
9/11/20 14:15	6.918	292.2	14.25	22.99	29.21	0
9/11/20 14:30	7.486	287.5	11.79	22.72	29.21	0
9/11/20 14:45	8.51	260.7	11.07	22.57	29.21	0
9/11/20 15:00	6.144	265.4	18.87	22.82	29.21	0
9/11/20 15:15	5.243	278.7	23.24	22.68	29.21	0
9/11/20 15:30	6.161	295	10.89	22.35	29.21	0
9/11/20 15:45	5.215	267.6	15.13	22.37	29.21	0
9/11/20 16:00	4.712	275.8	15.29	22.59	29.2	0
9/11/20 16:15	3.783	280.4	25.04	22.64	29.2	0
9/11/20 16:30	3.162	233.7	30.24	22.67	29.2	0
9/11/20 16:45	3.502	209.5	20.75	22.51	29.2	0
9/11/20 17:00	4.143	223	13.75	22.33	29.17	0
9/11/20 17:15	3.557	210.4	14.87	22.16	29.17	0
9/11/20 17:30	3.613	202.9	11.7	21.9	29.17	0
9/11/20 17:45	2.54	177.1	14.62	21.5	29.17	0
9/11/20 18:00	1.848	145.9	3.815	21.14	29.18	0
9/11/20 18:15	1.741	125.3	8.24	21.03	29.18	0
9/11/20 18:30	2.063	132.6	9.1	20.77	29.18	0
9/11/20 18:45	2.837	160.7	15.13	20.75	29.18	0
9/11/20 19:00	2.951	198.6	7.761	20.77	29.18	0
9/11/20 19:15	2.88	226.6	9.91	20.52	29.18	0
9/11/20 19:30	3.042	240.5	3.46	20.07	29.18	0
9/11/20 19:45	4.64	243.8	5.162	19.71	29.18	0
9/11/20 20:00	5.321	239.3	4.602	19.46	29.21	0
9/11/20 20:15	5.212	233	9.93	18.87	29.21	0
9/11/20 20:30	5.56	220	6.401	18.35	29.21	0
9/11/20 20:45	5.464	233	2.271	18.46	29.21	0
9/11/20 21:00	4.367	226.9	4.174	18.14	29.19	0
9/11/20 21:15	3.096	201.6	19.07	17.54	29.19	0
9/11/20 21:30	1.884	166.3	9.57	17.39	29.19	0
9/11/20 21:45	1.379	154.2	4.79	17.53	29.19	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/11/20 22:00	1.643	156.4	8.18	17.48	29.2	0
9/11/20 22:15	2.769	160.7	5.821	17.34	29.2	0
9/11/20 22:30	3.487	193.8	12.37	17.16	29.2	0
9/11/20 22:45	3.126	191.5	18.92	17.21	29.2	0
9/11/20 23:00	2.9	173.3	7.074	16.93	29.22	0
9/11/20 23:15	3.368	183.8	6.067	16.51	29.22	0
9/11/20 23:30	2.749	180.1	2.65	16.53	29.22	0
9/11/20 23:45	2.337	178.6	6.24	16.49	29.22	0
9/12/20 0:00	1.53	126.8	10.74	15.93	29.21	0
9/12/20 0:15	2.13	180.8	28.4	16.08	29.21	0
9/12/20 0:30	3.544	233.7	5.649	16.22	29.21	0
9/12/20 0:45	4.022	230.6	2.979	15.99	29.21	0
9/12/20 1:00	1.96	232.1	2.951	15.91	29.21	0
9/12/20 1:15	1	281.5	17.91	15.42	29.21	0
9/12/20 1:30	3.49	274	5.118	15.23	29.21	0
9/12/20 1:45	3.978	278.2	11.6	14.89	29.21	0
9/12/20 2:00	3.549	308.2	11.41	14.32	29.19	0
9/12/20 2:15	4.94	317.6	2.834	14.39	29.19	0
9/12/20 2:30	3.513	281.6	26.27	13.99	29.19	0
9/12/20 2:45	2.304	275.8	13.93	14.23	29.19	0
9/12/20 3:00	2.829	272.1	8.01	14.22	29.19	0
9/12/20 3:15	3.257	277.6	9.88	13.83	29.19	0
9/12/20 3:30	2.946	288.1	7.371	13.48	29.19	0
9/12/20 3:45	3.834	276.7	12.5	12.74	29.19	0
9/12/20 4:00	5.166	250.4	3.263	12.38	29.2	0
9/12/20 4:15	4.168	242	2.714	12.26	29.2	0
9/12/20 4:30	3.016	223.9	15.79	11.75	29.2	0
9/12/20 4:45	3.513	169.7	9.39	11.41	29.2	0
9/12/20 5:00	3.47	171	10.82	11.6	29.22	0
9/12/20 5:15	3.213	183.8	5.361	11.31	29.22	0
9/12/20 5:30	4.152	199.3	5.292	11.16	29.22	0
9/12/20 5:45	2.922	183.8	9.57	11.16	29.22	0
9/12/20 6:00	3.296	196.7	14.69	11.31	29.21	0
9/12/20 6:15	2.86	232.2	9.44	11.28	29.21	0
9/12/20 6:30	1.733	248.9	1.908	11.48	29.21	0
9/12/20 6:45	3.294	264.9	6.805	11.7	29.21	0
9/12/20 7:00	2.901	269.3	3.063	11.67	29.23	0
9/12/20 7:15	2.325	286.4	6.465	11.64	29.23	0
9/12/20 7:30	3.057	278.5	5.822	11.62	29.23	0
9/12/20 7:45	2.477	299.8	16.94	11.56	29.23	0
9/12/20 8:00	2.483	292	10.01	11.45	29.21	0
9/12/20 8:15	3.475	281.3	4.449	11.44	29.21	0
9/12/20 8:30	4.081	274	7.268	11.35	29.21	0
9/12/20 8:45	2.857	277.2	7.884	11.25	29.21	0
9/12/20 9:00	3.525	278.4	8.3	11.01	29.21	0
9/12/20 9:15	3.864	278.6	7.313	10.66	29.21	0
9/12/20 9:30	2.858	287.3	7.51	10.61	29.21	0
9/12/20 9:45	2.929	277.3	9.78	10.64	29.21	0
9/12/20 10:00	2.287	232.5	30.17	10.75	29.22	0
9/12/20 10:15	3.162	224.6	16.25	10.8	29.22	0
9/12/20 10:30	2.811	247.7	9.43	11.01	29.22	0
9/12/20 10:45	2.084	219.3	14.92	11.15	29.22	0
9/12/20 11:00	0.642	224	60.9	11.37	29.22	0
9/12/20 11:15	1.581	131.3	19.24	11.5	29.22	0
9/12/20 11:30	2.522	155.6	12.49	11.55	29.22	0
9/12/20 11:45	2.652	153.3	19.28	11.61	29.22	0
9/12/20 12:00	2.099	195.2	31.99	11.9	29.19	0
9/12/20 12:15	0.827	234.8	31.26	12.37	29.19	0
9/12/20 12:30	0.61	190.6	57.12	12.94	29.19	0
9/12/20 12:45	0.618	0.332	48.61	13.24	29.19	0
9/12/20 13:00	0.875	40.94	4.289	13.34	29.19	0
9/12/20 13:15	0.734	54.41	6.984	13.54	29.19	0
9/12/20 13:30	0.72	57.57	3.914	13.94	29.19	0
9/12/20 13:45	2.024	47.03	9.27	14.02	29.19	0
9/12/20 14:00	2.69	24.07	10.4	13.98	29.16	0
9/12/20 14:15	1.76	22.96	12.71	14.19	29.16	0
9/12/20 14:30	0.333	45.6	8.58	14.67	29.16	0
9/12/20 14:45	0.293	74.96	1.281	15.17	29.16	0
9/12/20 15:00	0.529	93.6	21.79	15.14	29.13	0
9/12/20 15:15	1.343	72.04	32.35	15.12	29.13	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/12/20 15:30	0.213	48.29	0.131	15.1	29.13	0
9/12/20 15:45	2.211	294.8	49.85	15.3	29.13	0
9/12/20 16:00	1.566	8.22	28.1	15.29	29.14	0
9/12/20 16:15	0.396	47.43	0.556	14.99	29.14	0
9/12/20 16:30	2.141	324.5	15.19	15.12	29.14	0
9/12/20 16:45	1.009	356.5	11.08	14.92	29.14	0
9/12/20 17:00	0.918	349.6	9.09	14.83	29.14	0
9/12/20 17:15	1.813	13.91	13.09	14.45	29.14	0
9/12/20 17:30	1.948	313.1	48.66	14.46	29.14	0
9/12/20 17:45	3.798	265.4	7.184	14.31	29.14	0
9/12/20 18:00	2.256	299.9	7.248	14.06	29.12	0
9/12/20 18:15	2.611	294.3	4.348	14.02	29.12	0
9/12/20 18:30	3.14	294.2	5.629	13.8	29.12	0
9/12/20 18:45	3.162	279	6.477	13.67	29.12	0
9/12/20 19:00	1.415	296.6	42.94	13.65	29.12	0
9/12/20 19:15	0.394	17.15	0.034	13.14	29.12	0
9/12/20 19:30	0	0	0	12.97	29.12	0
9/12/20 19:45	0.444	25.3	18.5	13.02	29.12	0
9/12/20 20:00	2.792	194.9	6.757	12.73	29.14	0
9/12/20 20:15	1.917	169.2	14.57	12.86	29.14	0
9/12/20 20:30	1.686	102.1	19.92	12.82	29.14	0
9/12/20 20:45	2.425	131	42.87	12.49	29.14	0
9/12/20 21:00	3.38	212.5	13.71	12.41	29.15	0
9/12/20 21:15	2.523	162	12.45	12.53	29.15	0
9/12/20 21:30	2.515	143.3	8.55	12.39	29.15	0
9/12/20 21:45	3.403	152.6	3.021	12.44	29.15	0
9/12/20 22:00	4.318	152.6	5.084	12.49	29.13	0
9/12/20 22:15	4.707	160.1	11.04	12.57	29.13	0
9/12/20 22:30	4.737	143.5	2.027	12.57	29.13	0
9/12/20 22:45	4.807	135.8	4.537	12.73	29.13	0
9/12/20 23:00	5.145	151.3	4.121	12.85	29.14	0
9/12/20 23:15	5.532	168.1	6.866	12.79	29.14	0
9/12/20 23:30	6.43	166.1	3.761	12.88	29.14	0
9/12/20 23:45	6.382	160.6	4.22	13.13	29.14	0
9/13/20 0:00	6.234	152.4	3.282	13.07	29.15	0
9/13/20 0:15	5.743	157	3.088	13.15	29.15	0
9/13/20 0:30	4.345	172.5	7.32	13.32	29.15	0
9/13/20 0:45	4.571	162.9	10.08	13.4	29.15	0
9/13/20 1:00	4.392	147.9	4.177	13.36	29.14	0
9/13/20 1:15	1.758	135.2	12.12	13.21	29.14	0
9/13/20 1:30	1.298	127	9.42	13.19	29.14	0
9/13/20 1:45	0.953	135	0.58	13.15	29.14	0
9/13/20 2:00	0.552	37.09	2.551	12.76	29.14	0
9/13/20 2:15	1.417	35.56	0.17	13.16	29.14	0
9/13/20 2:30	1.296	36.33	0.909	13.33	29.14	0
9/13/20 2:45	1.304	37.24	0.471	12.98	29.14	0
9/13/20 3:00	0.736	36.84	0.168	13.03	29.14	0
9/13/20 3:15	0.396	37.64	0.556	12.86	29.14	0
9/13/20 3:30	2.092	155.9	59.87	13.43	29.14	0
9/13/20 3:45	2.323	179.7	4.298	13.33	29.14	0
9/13/20 4:00	1.215	177.1	0.494	12.22	29.13	0
9/13/20 4:15	0.265	174.2	0.488	11.91	29.13	0
9/13/20 4:30	0.267	73.22	3.041	12.32	29.13	0
9/13/20 4:45	1.462	57.41	5.404	12.23	29.13	0
9/13/20 5:00	0.101	55.52	0.875	12.5	29.13	0
9/13/20 5:15	0	0	0	12.08	29.13	0
9/13/20 5:30	1.281	59.26	0.149	11.81	29.13	0
9/13/20 5:45	1.132	58.8	0.457	11.96	29.13	0
9/13/20 6:00	1.293	58.23	0.123	12.21	29.14	0
9/13/20 6:15	1.462	71.67	11.25	12.2	29.14	0
9/13/20 6:30	2.45	85.4	2.245	11.62	29.14	0
9/13/20 6:45	2.874	89	2.731	11.5	29.14	0
9/13/20 7:00	2.823	79.76	3.171	11.6	29.13	0
9/13/20 7:15	1.605	73.91	0.629	11.94	29.13	0
9/13/20 7:30	0.589	88.9	1.779	12.24	29.13	0
9/13/20 7:45	0.013	89.2	0.005	12.51	29.13	0
9/13/20 8:00	0	0	0	12.72	29.14	0
9/13/20 8:15	0	0	0	13.25	29.14	0
9/13/20 8:30	0.114	86	0.006	12.92	29.14	0
9/13/20 8:45	0.291	11.57	20.44	12.75	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/13/20 9:00	0.519	319	3.777	13.1	29.12	0
9/13/20 9:15	1.312	322.8	27.02	13.37	29.12	0
9/13/20 9:30	0.735	52.38	78.37	13.42	29.12	0
9/13/20 9:45	0.484	5.598	37.38	13.61	29.12	0
9/13/20 10:00	1.05	212	25.07	14.15	29.14	0
9/13/20 10:15	0.989	219.5	19.96	14.51	29.14	0
9/13/20 10:30	1.378	131.6	22.16	15.06	29.14	0
9/13/20 10:45	0.698	132.9	20.12	15.71	29.14	0
9/13/20 11:00	1.478	176	38.65	16.18	29.12	0
9/13/20 11:15	2.988	194.2	23.46	16.12	29.12	0
9/13/20 11:30	2.524	247.6	20.87	16.46	29.12	0
9/13/20 11:45	0.988	351.9	43.9	17.47	29.12	0
9/13/20 12:00	1.381	312.7	32.61	17.69	29.11	0
9/13/20 12:15	2.633	305.7	37.05	17.84	29.11	0
9/13/20 12:30	2.653	333.8	28.77	18.09	29.11	0
9/13/20 12:45	2.444	329.2	20.4	18.39	29.11	0
9/13/20 13:00	1.978	7.615	22.4	18.65	29.09	0
9/13/20 13:15	2.999	8.25	22.08	18.52	29.09	0
9/13/20 13:30	2.078	358.3	41.77	18.55	29.09	0
9/13/20 13:45	2.467	334.7	47.28	18.94	29.09	0
9/13/20 14:00	2.872	336.6	35.28	19.02	29.07	0
9/13/20 14:15	2.952	292.4	19.84	18.86	29.07	0
9/13/20 14:30	3.959	283.4	15.63	18.72	29.07	0
9/13/20 14:45	4.715	274.9	11.7	18.41	29.07	0
9/13/20 15:00	4.721	259.9	8.36	18.33	29.08	0
9/13/20 15:15	4.855	256.7	9.96	18.24	29.08	0
9/13/20 15:30	4.463	268.6	9.12	17.97	29.08	0
9/13/20 15:45	4.28	272.5	10.81	18.24	29.08	0
9/13/20 16:00	4.748	267.6	10.83	18.09	29.06	0
9/13/20 16:15	3.432	270.2	16.3	18.12	29.06	0
9/13/20 16:30	2.062	307.1	39.24	18.16	29.06	0
9/13/20 16:45	1.928	271.7	22.44	18.2	29.06	0
9/13/20 17:00	2.762	263.9	13.76	17.95	29.08	0
9/13/20 17:15	2.443	275.1	6.92	17.71	29.08	0
9/13/20 17:30	1.879	309.1	11.68	17.37	29.08	0
9/13/20 17:45	1.778	302.9	9.56	17.21	29.08	0
9/13/20 18:00	1.749	310.6	7.512	17.11	29.06	0
9/13/20 18:15	2.549	283.2	9.09	17.02	29.06	0
9/13/20 18:30	1.83	343.8	41.05	16.58	29.06	0
9/13/20 18:45	1.975	16.89	3.805	16.18	29.06	0
9/13/20 19:00	1.698	16.45	5.647	15.96	29.07	0
9/13/20 19:15	2.071	359.5	9.74	16.21	29.07	0
9/13/20 19:30	1.62	1.979	1.215	15.87	29.07	0
9/13/20 19:45	1.221	340.2	37.69	15.42	29.07	0
9/13/20 20:00	0.344	272.1	0.049	15.53	29.12	0
9/13/20 20:15	0.315	272.8	0.997	15.5	29.12	0
9/13/20 20:30	1.55	23.8	27.41	14.89	29.12	0
9/13/20 20:45	1.837	31.5	0.614	14.84	29.12	0
9/13/20 21:00	2.538	18.17	6.77	14.97	29.09	0
9/13/20 21:15	2.419	37.59	9.49	14.75	29.09	0
9/13/20 21:30	1.859	18.6	9.43	14.86	29.09	0
9/13/20 21:45	2.164	29.43	4.981	15.04	29.09	0
9/13/20 22:00	1.257	37.41	0.69	14.78	29.13	0
9/13/20 22:15	1.768	95.8	23.43	14.8	29.13	0
9/13/20 22:30	2.071	78.22	3.721	14.78	29.13	0
9/13/20 22:45	0.419	79.15	0.594	14.89	29.13	0
9/13/20 23:00	3.464	179.1	12.24	15.24	29.14	0
9/13/20 23:15	2.953	169.4	6.966	14.95	29.14	0
9/13/20 23:30	1.012	355.6	49.92	14.26	29.14	0
9/13/20 23:45	1.62	67.56	22.3	14.21	29.14	0
9/14/20 0:00	3.056	117.7	9.82	15.14	29.11	0
9/14/20 0:15	4.451	188.6	21.05	15.17	29.11	0
9/14/20 0:30	4.661	198.1	38.68	14.73	29.11	0
9/14/20 0:45	3.483	48.61	13.75	13.23	29.11	0
9/14/20 1:00	2.307	59.49	15.2	14.02	29.14	0
9/14/20 1:15	1.356	83.2	16.59	14.87	29.14	0
9/14/20 1:30	3.545	219.8	25.93	15.24	29.14	0
9/14/20 1:45	4.551	218.4	19.63	14.68	29.14	0
9/14/20 2:00	3.214	74.86	37.77	12.92	29.14	0
9/14/20 2:15	4.05	141.5	7.14	13.57	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/14/20 2:30	4.016	177.8	11.06	14.39	29.14	0
9/14/20 2:45	4.157	192.1	9.85	14.4	29.14	0
9/14/20 3:00	2.849	199.9	7.847	14.44	29.15	0
9/14/20 3:15	1.493	117.1	38.64	13.78	29.15	0
9/14/20 3:30	1.311	130.2	78.97	13.84	29.15	0
9/14/20 3:45	2.046	197.5	4.349	14.29	29.15	0
9/14/20 4:00	1.023	177	28.44	14.04	29.13	0
9/14/20 4:15	2.879	120.1	5.642	13.78	29.13	0
9/14/20 4:30	2.217	94.3	23.46	13.87	29.13	0
9/14/20 4:45	2.814	172.1	16.32	14.08	29.13	0
9/14/20 5:00	2.103	121.9	34.23	13.93	29.13	0
9/14/20 5:15	4.599	159.1	6.254	13.95	29.13	0
9/14/20 5:30	4.52	179.4	10.4	14.06	29.13	0
9/14/20 5:45	1.749	131.3	24.1	13.53	29.13	0
9/14/20 6:00	1.139	324.4	33.14	13.54	29.14	0
9/14/20 6:15	3.347	163.8	10.62	13.72	29.14	0
9/14/20 6:30	2.798	226.9	45.36	13.64	29.14	0
9/14/20 6:45	3.675	275.8	15.78	13.67	29.14	0
9/14/20 7:00	3.216	311.2	9.74	13.81	29.14	0
9/14/20 7:15	1.775	308.5	10.12	14.04	29.14	0
9/14/20 7:30	1.604	352.5	13.22	13.94	29.14	0
9/14/20 7:45	1.558	15.34	11.81	14.02	29.14	0
9/14/20 8:00	3.127	28.93	6.367	13.99	29.14	0
9/14/20 8:15	2.79	27.16	11.56	13.81	29.14	0
9/14/20 8:30	2.881	11.92	10.38	13.99	29.14	0
9/14/20 8:45	3.142	20.48	5.845	14.21	29.14	0
9/14/20 9:00	2.912	25.99	8.8	14.36	29.13	0
9/14/20 9:15	1.216	28.57	13.1	15.13	29.13	0
9/14/20 9:30	2.714	45.24	11.8	15.16	29.13	0
9/14/20 9:45	1.05	283.1	86.3	15.41	29.13	0
9/14/20 10:00	3.885	230	24.17	15.86	29.14	0
9/14/20 10:15	2.157	294	22.23	16.1	29.14	0
9/14/20 10:30	3.409	23.33	34.88	16.38	29.14	0
9/14/20 10:45	3.911	34.03	12.63	16.52	29.14	0
9/14/20 11:00	2.385	25.73	18.93	16.94	29.13	0
9/14/20 11:15	1.664	42.8	13.74	17.39	29.13	0
9/14/20 11:30	2.134	35.18	23.36	18.09	29.13	0
9/14/20 11:45	2.587	10.59	23.38	18.53	29.13	0
9/14/20 12:00	3.093	18.37	22.46	18.89	29.12	0
9/14/20 12:15	3.738	6.89	16.01	18.67	29.12	0
9/14/20 12:30	3.92	8.96	18.5	18.75	29.12	0
9/14/20 12:45	3.202	3.975	15.41	19.48	29.12	0
9/14/20 13:00	1.504	26.12	61.71	20.35	29.12	0
9/14/20 13:15	2.362	22.17	21.04	20.06	29.12	0
9/14/20 13:30	3.583	32.33	14.92	20.33	29.12	0
9/14/20 13:45	3.536	22.6	15.78	20.14	29.12	0
9/14/20 14:00	3.982	294.3	53.01	20.34	29.12	0
9/14/20 14:15	2.944	259.4	19.78	20.16	29.12	0
9/14/20 14:30	2.996	31.12	46.46	20.21	29.12	0
9/14/20 14:45	1.667	352.6	24.86	20.51	29.12	0
9/14/20 15:00	4.038	270.8	25.49	20.65	29.12	0
9/14/20 15:15	5.252	264.8	8.3	20.14	29.12	0
9/14/20 15:30	5.256	261.4	7.33	20.17	29.12	0
9/14/20 15:45	4.534	271.9	8.08	19.98	29.12	0
9/14/20 16:00	4.551	268.3	9.89	19.9	29.14	0
9/14/20 16:15	3.495	296.8	10.89	20.11	29.14	0
9/14/20 16:30	2.548	318.4	16.38	19.93	29.14	0
9/14/20 16:45	3.731	26.3	13	19.96	29.14	0
9/14/20 17:00	1.63	12.95	20.22	19.92	29.12	0
9/14/20 17:15	1.377	23.49	30.37	19.84	29.12	0
9/14/20 17:30	3.163	249.6	19.32	19.81	29.12	0
9/14/20 17:45	4.513	261.6	5.477	19.48	29.12	0
9/14/20 18:00	1.788	282.8	9.88	19.42	29.13	0
9/14/20 18:15	1.683	297	6.356	19.42	29.13	0
9/14/20 18:30	1.409	294.2	11.55	19.15	29.13	0
9/14/20 18:45	1.229	351.3	14.73	18.86	29.13	0
9/14/20 19:00	0.819	308.2	21.44	18.66	29.16	0
9/14/20 19:15	1.631	353.9	19.04	18.38	29.16	0
9/14/20 19:30	1.795	33.96	5.581	17.87	29.16	0
9/14/20 19:45	0.848	43.46	0.14	17.69	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/14/20 20:00	1.154	43.34	0.084	17.67	29.16	0
9/14/20 20:15	1.991	40.04	1.961	17.68	29.16	0
9/14/20 20:30	1.715	43.15	3.761	17.54	29.16	0
9/14/20 20:45	0.817	61.88	18.19	17.91	29.16	0
9/14/20 21:00	0.428	86.7	0.859	17.91	29.19	0
9/14/20 21:15	2.358	175.5	25.94	17.65	29.19	0
9/14/20 21:30	3.074	83.8	49.2	16.73	29.19	0
9/14/20 21:45	1.961	86.6	82.6	17.05	29.19	0
9/14/20 22:00	4.436	194.4	13.54	17.01	29.22	0.01
9/14/20 22:15	3.914	347.5	31.01	16.4	29.22	0
9/14/20 22:30	1.617	1.909	1.262	16.37	29.22	0
9/14/20 22:45	3.52	35.27	5.488	16.51	29.22	0
9/14/20 23:00	4.773	36.82	9.13	15.66	29.21	0
9/14/20 23:15	2.873	30.34	10.16	16.07	29.21	0
9/14/20 23:30	3.134	71.01	19.65	15.74	29.21	0
9/14/20 23:45	1.131	341	43.27	15.56	29.21	0
9/15/20 0:00	4.439	60.63	17.34	15.12	29.23	0
9/15/20 0:15	4.521	34.72	11	15.27	29.23	0
9/15/20 0:30	3.389	35.01	8.34	15.58	29.23	0
9/15/20 0:45	4.611	14.85	5.946	15.72	29.23	0
9/15/20 1:00	4.15	356.2	16.46	15.73	29.23	0
9/15/20 1:15	3.117	43.41	13.72	15.35	29.23	0
9/15/20 1:30	5.025	23.9	13.4	15.19	29.23	0
9/15/20 1:45	3.513	46.98	99.6	15.42	29.23	0
9/15/20 2:00	3.305	159.1	16.08	15.28	29.23	0
9/15/20 2:15	1.038	121.4	22.62	15.14	29.23	0
9/15/20 2:30	1.951	200.5	28.71	15.36	29.23	0
9/15/20 2:45	2.152	283.2	25.89	15.69	29.23	0
9/15/20 3:00	3.821	216.8	46.14	15.52	29.25	0
9/15/20 3:15	3.708	236.3	9.29	15.55	29.25	0
9/15/20 3:30	1.363	143.4	54.71	15.36	29.25	0
9/15/20 3:45	1.593	107.7	3.561	15.13	29.25	0
9/15/20 4:00	2.346	153.9	30.83	15.22	29.27	0
9/15/20 4:15	3.697	201.4	16.7	15.83	29.27	0
9/15/20 4:30	5.156	216.4	15.26	15.8	29.27	0
9/15/20 4:45	6.328	189.8	12.98	15.35	29.27	0
9/15/20 5:00	3.693	145.6	32.51	15.31	29.26	0
9/15/20 5:15	1.961	98.2	40.42	15.12	29.26	0
9/15/20 5:30	1.235	178.8	27.46	15.36	29.26	0
9/15/20 5:45	0.016	315.1	0.077	15.62	29.26	0
9/15/20 6:00	2.12	176.1	29.27	15.92	29.27	0
9/15/20 6:15	6.619	197.4	19.87	15.82	29.27	0
9/15/20 6:30	3.679	195.8	74.47	15.62	29.27	0
9/15/20 6:45	1.827	24.31	1.956	15.49	29.27	0
9/15/20 7:00	2.063	207.1	43.8	15.94	29.3	0
9/15/20 7:15	1.044	102	3.977	16.04	29.3	0
9/15/20 7:30	2.437	153.7	23.6	16.17	29.3	0
9/15/20 7:45	3.311	216	12.56	16.23	29.3	0
9/15/20 8:00	1.709	151.3	20.03	16.68	29.31	0
9/15/20 8:15	1.502	177.4	26.6	17.04	29.31	0
9/15/20 8:30	2.46	158.8	20.66	17.74	29.31	0
9/15/20 8:45	2.256	40.67	37.37	18.05	29.31	0
9/15/20 9:00	0.419	29.73	0.486	18.65	29.3	0
9/15/20 9:15	2.275	207.4	34.06	19.1	29.3	0
9/15/20 9:30	2.304	258.2	18.03	19.09	29.3	0
9/15/20 9:45	3.27	202.5	18.75	19.23	29.3	0
9/15/20 10:00	2.198	267.2	38.4	19.65	29.31	0
9/15/20 10:15	5.585	338.5	9.28	20.04	29.31	0
9/15/20 10:30	5.504	320.4	32.13	20.23	29.31	0
9/15/20 10:45	4.075	314.1	19.96	20.79	29.31	0
9/15/20 11:00	2.943	14.14	16.28	20.77	29.28	0
9/15/20 11:15	3.405	11.27	18.28	20.88	29.28	0
9/15/20 11:30	3.743	28.12	19.51	21.54	29.28	0
9/15/20 11:45	4.115	26.77	21.93	21.8	29.28	0
9/15/20 12:00	6.323	303.3	11.64	23.36	29.27	0
9/15/20 12:15	6.255	338.6	31.86	23.85	29.27	0
9/15/20 12:30	5.094	355.5	31.98	24.28	29.27	0
9/15/20 12:45	5.398	316.4	34.51	24.56	29.27	0
9/15/20 13:00	6.365	310.3	16.02	24.83	29.26	0
9/15/20 13:15	8.41	324.2	11.75	24.8	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/15/20 13:30	8.53	311.7	11.68	24.94	29.26	0
9/15/20 13:45	8.32	297.5	11.84	24.59	29.26	0
9/15/20 14:00	7.533	295	7.561	24.39	29.26	0
9/15/20 14:15	6.532	294.1	14.77	24.22	29.26	0
9/15/20 14:30	8.09	271.4	15.92	23.59	29.26	0
9/15/20 14:45	5.292	8.2	45.67	24.2	29.26	0
9/15/20 15:00	6.298	15.21	14.51	24.23	29.23	0
9/15/20 15:15	7.558	355.9	14.12	24.45	29.23	0
9/15/20 15:30	5.002	339.1	25.6	24.71	29.23	0
9/15/20 15:45	7.414	306.7	10.39	24.51	29.23	0
9/15/20 16:00	7.046	295.3	20.01	23.81	29.22	0
9/15/20 16:15	6.906	271.6	6.851	23.15	29.22	0
9/15/20 16:30	8.51	275.1	7.421	22.86	29.22	0
9/15/20 16:45	8.67	291	10.25	22.66	29.22	0
9/15/20 17:00	7.919	302.3	7.098	22.41	29.24	0
9/15/20 17:15	6.14	309.6	7.231	22.21	29.24	0
9/15/20 17:30	4.228	301.1	16.47	21.91	29.24	0
9/15/20 17:45	2.449	316.7	20.93	21.77	29.24	0
9/15/20 18:00	0.408	341.2	0.147	21.53	29.23	0
9/15/20 18:15	0.772	326.1	18.43	21.5	29.23	0
9/15/20 18:30	3.818	236.5	10.75	21.19	29.23	0
9/15/20 18:45	3.515	284.3	33.37	20.9	29.23	0
9/15/20 19:00	2.74	280.4	17.46	20.47	29.26	0
9/15/20 19:15	5.119	258.2	3.736	20.51	29.26	0
9/15/20 19:30	5.314	254.7	9.25	20.35	29.26	0
9/15/20 19:45	4.346	270	16.43	19.89	29.26	0
9/15/20 20:00	1.481	36.02	37.4	19.38	29.29	0
9/15/20 20:15	0.878	5.418	23.27	19.48	29.29	0
9/15/20 20:30	2.654	284.3	25.89	19.82	29.29	0
9/15/20 20:45	1.56	192.5	68.76	19.85	29.29	0
9/15/20 21:00	4.15	57.31	14.29	18.59	29.26	0
9/15/20 21:15	4.201	55.89	22.96	18.98	29.26	0
9/15/20 21:30	3.366	42.18	9.53	18.68	29.26	0
9/15/20 21:45	5.726	61.21	10.49	18.7	29.26	0
9/15/20 22:00	7.874	35.22	10.46	18.47	29.25	0
9/15/20 22:15	3.824	15.58	11.76	18.75	29.25	0
9/15/20 22:30	2.603	278.1	72.21	19.21	29.25	0
9/15/20 22:45	3.476	253.5	28.76	18.9	29.25	0
9/15/20 23:00	4.696	266.3	18.02	18.71	29.24	0
9/15/20 23:15	6.117	289.6	6.22	18.57	29.24	0
9/15/20 23:30	6.866	289.9	2.255	18.3	29.24	0
9/15/20 23:45	6.952	284.6	4.397	18.26	29.24	0
9/16/20 0:00	5.475	303.6	25.69	18.32	29.25	0
9/16/20 0:15	2.85	56.32	21.12	17.67	29.25	0
9/16/20 0:30	1.815	68.2	15.17	17.8	29.25	0
9/16/20 0:45	1.553	57.88	12.75	18.14	29.25	0
9/16/20 1:00	2.703	41.28	10.32	17.41	29.24	0
9/16/20 1:15	1.438	62.53	9.52	17.34	29.24	0
9/16/20 1:30	4.158	45.35	10.67	17.27	29.24	0
9/16/20 1:45	4.642	37.67	7.166	16.89	29.24	0
9/16/20 2:00	4.628	47.63	5.498	16.74	29.24	0
9/16/20 2:15	4.984	36.01	8.85	16.67	29.24	0
9/16/20 2:30	4.275	19.59	9.81	16.24	29.24	0
9/16/20 2:45	4.117	21.69	4.39	16.26	29.24	0
9/16/20 3:00	4.266	28.96	5.756	16.16	29.24	0
9/16/20 3:15	5.65	28.85	7.629	16.11	29.24	0
9/16/20 3:30	3.828	20.89	7.522	15.67	29.24	0
9/16/20 3:45	3.424	17.36	6.407	15.65	29.24	0
9/16/20 4:00	3.113	18.64	5.776	15.4	29.21	0
9/16/20 4:15	4.58	31.11	6.635	15.35	29.21	0
9/16/20 4:30	4.584	16.19	10.2	15.42	29.21	0
9/16/20 4:45	5.383	30.21	6.196	14.96	29.21	0
9/16/20 5:00	7.951	31.11	12.35	15.21	29.21	0
9/16/20 5:15	8.56	30.89	9.7	15.08	29.21	0
9/16/20 5:30	8.11	31.74	9.68	14.96	29.21	0
9/16/20 5:45	8.54	32.49	8.23	14.95	29.21	0
9/16/20 6:00	7.756	30.86	7.594	14.84	29.21	0
9/16/20 6:15	7.205	32.11	7.921	14.82	29.21	0
9/16/20 6:30	4.491	38.47	7.534	14.69	29.21	0
9/16/20 6:45	5.333	28.29	8.47	14.69	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/16/20 7:00	6.32	30.63	11.25	14.71	29.23	0
9/16/20 7:15	4.281	51.39	6.75	14.41	29.23	0
9/16/20 7:30	3.902	38.72	8.76	14.76	29.23	0
9/16/20 7:45	2.786	48.36	8.97	14.91	29.23	0
9/16/20 8:00	1.371	47.09	7.216	14.96	29.21	0.01
9/16/20 8:15	1.055	34.54	20.89	14.98	29.21	0
9/16/20 8:30	0.698	320.6	35.02	15.15	29.21	0
9/16/20 8:45	0.989	328.3	6.389	15.38	29.21	0
9/16/20 9:00	1.205	329.2	11.97	15.79	29.2	0
9/16/20 9:15	1.04	0.132	11.7	15.95	29.2	0
9/16/20 9:30	1.022	4.471	6.062	16.19	29.2	0
9/16/20 9:45	1.013	12.93	9.76	16.93	29.2	0
9/16/20 10:00	0.645	59.59	31.22	17.69	29.22	0
9/16/20 10:15	3.162	235.4	15.14	17.95	29.22	0
9/16/20 10:30	2.848	252	25.68	18.39	29.22	0
9/16/20 10:45	1.591	280.9	30.12	18.89	29.22	0
9/16/20 11:00	1.901	299.1	45.16	19.4	29.21	0
9/16/20 11:15	3.416	258.3	11.74	19.23	29.21	0
9/16/20 11:30	3.509	247	17.01	19.41	29.21	0
9/16/20 11:45	3.185	234.9	18.38	19.76	29.21	0
9/16/20 12:00	2.371	230.4	25.2	20.21	29.2	0
9/16/20 12:15	2.722	215.7	35.5	20.38	29.2	0
9/16/20 12:30	3.778	229.3	25.86	20.81	29.2	0
9/16/20 12:45	2.691	262.1	24.31	20.86	29.2	0
9/16/20 13:00	3.527	224.2	14.47	21	29.2	0
9/16/20 13:15	3.451	245.4	39.22	21.21	29.2	0
9/16/20 13:30	3.669	237.3	23.94	21.27	29.2	0
9/16/20 13:45	3.933	251.7	15.41	21.44	29.2	0
9/16/20 14:00	4.227	257.2	28.34	21.59	29.2	0
9/16/20 14:15	3.221	233.4	34.79	21.7	29.2	0
9/16/20 14:30	4.133	231.8	21.69	21.77	29.2	0
9/16/20 14:45	5.142	240.1	18.9	21.76	29.2	0
9/16/20 15:00	5.377	229.7	14.89	21.75	29.2	0
9/16/20 15:15	5.411	235.6	13	21.85	29.2	0
9/16/20 15:30	5.654	226.5	17.64	21.76	29.2	0
9/16/20 15:45	4.948	204.5	14.29	21.89	29.2	0
9/16/20 16:00	4.496	184.8	15.74	21.79	29.2	0
9/16/20 16:15	3.919	184.9	23.24	21.79	29.2	0
9/16/20 16:30	5.098	167.5	21.07	21.72	29.2	0
9/16/20 16:45	5.809	156.3	7.433	21.58	29.2	0
9/16/20 17:00	5.052	153.6	6.927	21.36	29.21	0
9/16/20 17:15	4.838	147.3	8.39	21.03	29.21	0
9/16/20 17:30	3.54	158.1	10.15	20.69	29.21	0
9/16/20 17:45	2.766	168.5	3.875	20.58	29.21	0
9/16/20 18:00	3.075	141.7	4.835	20.37	29.2	0
9/16/20 18:15	3.243	172.6	24.91	20.29	29.2	0
9/16/20 18:30	3.756	205.2	5.927	20.21	29.2	0
9/16/20 18:45	3.874	211.4	3.981	20.07	29.2	0
9/16/20 19:00	3.922	206	12.3	19.9	29.23	0
9/16/20 19:15	3.093	174.3	11.54	19.53	29.23	0
9/16/20 19:30	2.685	141	9.7	19.25	29.23	0
9/16/20 19:45	3.059	158.2	12.17	18.99	29.23	0
9/16/20 20:00	4.369	170.5	9.44	19.05	29.23	0
9/16/20 20:15	4.898	175	6.152	18.83	29.23	0
9/16/20 20:30	4.947	147.3	9.12	18.53	29.23	0
9/16/20 20:45	4.567	143.1	6.762	18.45	29.23	0
9/16/20 21:00	4.486	152.7	3.419	18.18	29.25	0
9/16/20 21:15	4.32	146.9	4.593	18.34	29.25	0
9/16/20 21:30	4.141	143.1	4.143	18.4	29.25	0
9/16/20 21:45	4.058	148.4	4.377	18.36	29.25	0
9/16/20 22:00	3.747	148.4	4.619	18.33	29.24	0
9/16/20 22:15	3.628	143	7.385	18.37	29.24	0
9/16/20 22:30	3.115	128.7	5.724	18.18	29.24	0
9/16/20 22:45	2.365	136.2	7.988	18.45	29.24	0
9/16/20 23:00	2.446	158.9	8.6	18.86	29.23	0
9/16/20 23:15	1.29	132.6	1.106	19.12	29.23	0
9/16/20 23:30	2.545	125.3	7.208	19.27	29.23	0
9/16/20 23:45	3.952	117.2	5.293	18.97	29.23	0
9/17/20 0:00	3.941	105.3	19.22	18.55	29.25	0
9/17/20 0:15	3.504	127.4	8.11	18.8	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/17/20 0:30	3.727	141.8	1.951	18.64	29.25	0
9/17/20 0:45	4.178	145.2	8.49	18.16	29.25	0
9/17/20 1:00	3.585	180.5	14.04	17.84	29.24	0
9/17/20 1:15	2.518	245.2	16.62	16.62	29.24	0
9/17/20 1:30	1.459	343.5	5.811	16.59	29.24	0
9/17/20 1:45	3.554	11.36	12.24	16.05	29.24	0
9/17/20 2:00	4.226	326.7	24.61	16.29	29.24	0
9/17/20 2:15	6.355	309.1	3.978	16.48	29.24	0
9/17/20 2:30	7.011	298	5.253	16.32	29.24	0
9/17/20 2:45	5.967	301.7	4.919	16.41	29.24	0
9/17/20 3:00	5.051	314.6	7.106	16.27	29.24	0
9/17/20 3:15	2.908	33.37	14.5	15.74	29.24	0
9/17/20 3:30	3.186	31.36	7.701	15.6	29.24	0
9/17/20 3:45	3.691	39.34	6.393	15.27	29.24	0
9/17/20 4:00	4.817	35.28	7.953	15.19	29.21	0
9/17/20 4:15	5.91	31.05	8.93	15.57	29.21	0
9/17/20 4:30	5.372	21.99	5.196	15.43	29.21	0
9/17/20 4:45	3.213	23.59	10.32	15.34	29.21	0
9/17/20 5:00	2.409	36.22	6.565	14.77	29.22	0
9/17/20 5:15	3.369	53.34	15.05	14.83	29.22	0
9/17/20 5:30	5.931	41.72	6.983	14.61	29.22	0
9/17/20 5:45	3.231	37.68	7.911	14.38	29.22	0
9/17/20 6:00	2.246	41.67	4.379	14.53	29.19	0
9/17/20 6:15	2.911	25.94	2.346	14.61	29.19	0
9/17/20 6:30	4.337	33.9	7.528	14.75	29.19	0
9/17/20 6:45	4.399	30.28	19.48	14.27	29.19	0
9/17/20 7:00	3.952	7.105	4.141	14.13	29.22	0
9/17/20 7:15	2.922	6.538	16.37	14.09	29.22	0
9/17/20 7:30	3.656	6.214	9.47	14.74	29.22	0
9/17/20 7:45	2.236	1.993	10.2	14.91	29.22	0
9/17/20 8:00	2.093	4.976	11.26	14.89	29.19	0
9/17/20 8:15	2.393	299.4	25.18	15.16	29.19	0
9/17/20 8:30	1.829	338.6	54.51	15.45	29.19	0
9/17/20 8:45	3.581	30.96	11.49	15.16	29.19	0
9/17/20 9:00	2.794	43.76	18.96	15.17	29.2	0
9/17/20 9:15	1.17	84.9	9.66	15.94	29.2	0
9/17/20 9:30	1.82	94.9	16.7	16.51	29.2	0
9/17/20 9:45	2.862	97.3	18.24	16.98	29.2	0
9/17/20 10:00	2.056	105.7	23.99	17.8	29.17	0
9/17/20 10:15	1.98	83.7	15.26	18.24	29.17	0
9/17/20 10:30	1.669	62.95	27.79	19.06	29.17	0
9/17/20 10:45	3.311	27.61	19.93	19.16	29.17	0
9/17/20 11:00	4.647	359.1	33.97	19.8	29.15	0
9/17/20 11:15	6.602	348.2	17.67	20.07	29.15	0
9/17/20 11:30	8.23	26.51	11.61	20.45	29.15	0
9/17/20 11:45	7.663	6.691	14.95	20.58	29.15	0
9/17/20 12:00	6.234	356.2	21.08	21.06	29.14	0
9/17/20 12:15	5.845	344	18.11	20.87	29.14	0
9/17/20 12:30	5.897	354.9	15.5	21.05	29.14	0
9/17/20 12:45	5.344	329.3	26.26	21.58	29.14	0
9/17/20 13:00	5.808	330.4	20.94	21.84	29.12	0
9/17/20 13:15	5.631	323.1	21.86	21.81	29.12	0
9/17/20 13:30	5.645	326.1	13.64	21.92	29.12	0
9/17/20 13:45	4.412	314.7	23.05	22.15	29.12	0
9/17/20 14:00	4.654	6.788	34.11	22.07	29.12	0
9/17/20 14:15	4.782	24.7	13.13	21.96	29.12	0
9/17/20 14:30	4.941	8.76	26.01	22.15	29.12	0
9/17/20 14:45	5.297	350.7	17.97	22.11	29.12	0
9/17/20 15:00	4.398	340.7	32.45	22.19	29.09	0
9/17/20 15:15	4.264	5.734	34.07	21.96	29.09	0
9/17/20 15:30	6.646	297.4	8.26	22.28	29.09	0
9/17/20 15:45	5.82	293.4	13.12	21.99	29.09	0
9/17/20 16:00	5.415	276.5	12.82	21.71	29.11	0
9/17/20 16:15	5.664	274.1	8.94	21.38	29.11	0
9/17/20 16:30	5.004	272.1	10.15	21.25	29.11	0
9/17/20 16:45	5.449	274.6	10.27	21.01	29.11	0
9/17/20 17:00	6.147	270.1	13.1	20.65	29.1	0
9/17/20 17:15	6.702	281	5.468	20.3	29.1	0
9/17/20 17:30	6.729	296.3	6.387	19.96	29.1	0
9/17/20 17:45	4.686	306	9.86	19.57	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/17/20 18:00	3.135	334.5	15.56	19.34	29.11	0
9/17/20 18:15	4.769	6.68	9.08	19.36	29.11	0
9/17/20 18:30	4.208	9.09	8.48	19.03	29.11	0
9/17/20 18:45	3.018	348.4	24.06	18.92	29.11	0
9/17/20 19:00	2.347	351.5	25.86	18.86	29.09	0
9/17/20 19:15	4.415	19.55	6.323	18.52	29.09	0
9/17/20 19:30	5.467	24.45	8.19	18.38	29.09	0
9/17/20 19:45	4.027	33.51	5.495	18.03	29.09	0
9/17/20 20:00	3.167	46.04	3.642	17.84	29.12	0
9/17/20 20:15	5.197	42.63	5.304	17.74	29.12	0
9/17/20 20:30	5.607	39.17	9.86	17.49	29.12	0
9/17/20 20:45	4.366	40.37	11.62	17.03	29.12	0
9/17/20 21:00	2.471	26.61	4.636	16.97	29.11	0
9/17/20 21:15	0.841	29.53	0.861	16.62	29.11	0
9/17/20 21:30	3.335	224.1	40.54	16.78	29.11	0
9/17/20 21:45	6.922	232.1	3.991	16.76	29.11	0
9/17/20 22:00	4.701	245.8	22.99	16.42	29.13	0
9/17/20 22:15	1.356	276.8	21.01	16.26	29.13	0
9/17/20 22:30	1.411	29.07	36.98	16.05	29.13	0
9/17/20 22:45	3.484	164.3	14.61	15.79	29.13	0
9/17/20 23:00	4.079	166.1	16.99	15.98	29.14	0
9/17/20 23:15	3.809	117.5	9.56	15.91	29.14	0
9/17/20 23:30	4.311	170.9	30.42	15.73	29.14	0
9/17/20 23:45	7.023	189	6.05	16.02	29.14	0
9/18/20 0:00	4.49	141.9	34.02	15.73	29.12	0
9/18/20 0:15	4.226	110	35.18	15.35	29.12	0
9/18/20 0:30	6.34	154.9	12.39	15.98	29.12	0
9/18/20 0:45	5.712	99.6	41.14	15.77	29.12	0
9/18/20 1:00	2.631	51.53	10.01	15.58	29.12	0
9/18/20 1:15	4.596	68.03	19.07	15.81	29.12	0
9/18/20 1:30	3.551	19.66	7.115	15.39	29.12	0
9/18/20 1:45	3.258	9.38	13.53	15.84	29.12	0
9/18/20 2:00	4.155	346.9	13.96	16.05	29.08	0
9/18/20 2:15	4.639	10.75	4.52	15.74	29.08	0
9/18/20 2:30	4.221	24.81	7.096	15.52	29.08	0
9/18/20 2:45	4.137	39.6	5.887	15.2	29.08	0
9/18/20 3:00	3.516	36.84	7.044	15.29	29.08	0
9/18/20 3:15	3.165	37.67	3.217	15.77	29.08	0
9/18/20 3:30	2.862	40.89	8.62	15.96	29.08	0
9/18/20 3:45	2.055	43.33	31.17	15.6	29.08	0
9/18/20 4:00	4.528	211.4	69.45	16.58	29.08	0
9/18/20 4:15	5.912	243.8	30.15	16.13	29.08	0
9/18/20 4:30	6.859	263.5	9.82	15.82	29.08	0
9/18/20 4:45	7.709	284.3	11.84	15.46	29.08	0
9/18/20 5:00	8.04	302.2	5.615	15.13	29.08	0
9/18/20 5:15	4.017	279.5	58.89	15.22	29.08	0
9/18/20 5:30	3.058	193.8	22.67	15.08	29.08	0
9/18/20 5:45	2.719	131.8	46.19	14.89	29.08	0
9/18/20 6:00	3.785	135.8	17.82	14.88	29.11	0
9/18/20 6:15	7.815	195.3	4.988	14.98	29.11	0
9/18/20 6:30	6.142	173.7	15.47	14.9	29.11	0
9/18/20 6:45	4.407	124.7	14.28	14.87	29.11	0
9/18/20 7:00	6.387	151.6	16.36	14.96	29.09	0
9/18/20 7:15	6.009	178.5	9.41	15.06	29.09	0
9/18/20 7:30	4.51	121.4	20.48	15.08	29.09	0
9/18/20 7:45	4.399	109.7	24.58	15.19	29.09	0
9/18/20 8:00	5.47	143.4	9.05	15.54	29.1	0
9/18/20 8:15	5.584	139	10.97	15.9	29.1	0
9/18/20 8:30	5.259	132.8	12.33	16.19	29.1	0
9/18/20 8:45	4.951	106.8	17.3	16.54	29.1	0
9/18/20 9:00	5.833	107.3	10.45	17.35	29.09	0
9/18/20 9:15	5.087	119.2	19.73	18.34	29.09	0
9/18/20 9:30	5.206	156.6	14.48	19.27	29.09	0
9/18/20 9:45	5.69	199.3	19.79	19.6	29.09	0
9/18/20 10:00	6.052	221.4	17.67	19.31	29.1	0
9/18/20 10:15	6.566	235.9	16.62	19.52	29.1	0
9/18/20 10:30	8.39	243.9	9.73	19.26	29.1	0
9/18/20 10:45	8.14	251.1	10.67	18.95	29.1	0
9/18/20 11:00	8.02	247.6	9.83	18.92	29.1	0
9/18/20 11:15	8.92	242.2	9.06	18.71	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/18/20 11:30	9.92	248	7.477	18.65	29.1	0
9/18/20 11:45	9.94	253.6	7.652	18.49	29.1	0
9/18/20 12:00	9.91	236	9.24	18.19	29.12	0
9/18/20 12:15	9.86	233.7	10.04	17.96	29.12	0
9/18/20 12:30	8.24	227.5	10.66	17.83	29.12	0
9/18/20 12:45	7.768	216.6	15.02	17.49	29.12	0
9/18/20 13:00	7.759	219.4	14.23	17.18	29.11	0
9/18/20 13:15	6.422	207.4	8.61	16.69	29.11	0
9/18/20 13:30	4.384	182.9	18.7	16.5	29.11	0.01
9/18/20 13:45	2.882	177.1	14.96	16.25	29.11	0.02
9/18/20 14:00	1.721	117.4	22.97	16.1	29.11	0.04
9/18/20 14:15	3.075	100	15.17	15.95	29.11	0.05
9/18/20 14:30	4.13	119	16.72	15.95	29.11	0
9/18/20 14:45	3.373	101.4	14.6	15.97	29.11	0
9/18/20 15:00	4.495	91.2	6.693	15.81	29.1	0
9/18/20 15:15	4.353	99.6	15.36	15.8	29.1	0.01
9/18/20 15:30	6.376	157.4	8.97	16.01	29.1	0
9/18/20 15:45	5.381	133.4	14.53	16	29.1	0
9/18/20 16:00	3.605	113.2	10.13	16.13	29.1	0
9/18/20 16:15	4.254	118.7	9.3	16.44	29.1	0
9/18/20 16:30	4.329	143.4	10.08	17	29.1	0
9/18/20 16:45	4.622	151	8.71	17.04	29.1	0
9/18/20 17:00	4.576	124.6	9.42	16.91	29.1	0
9/18/20 17:15	4.185	129.1	14.96	16.96	29.1	0
9/18/20 17:30	3.437	138.3	9.22	16.88	29.1	0
9/18/20 17:45	3.673	146.3	7.042	16.75	29.1	0
9/18/20 18:00	3.003	116.6	9.36	16.65	29.12	0
9/18/20 18:15	2.74	105.5	4.564	16.6	29.12	0
9/18/20 18:30	3.173	76.73	11.37	16.45	29.12	0
9/18/20 18:45	1.531	57.62	10.78	16.32	29.12	0.01
9/18/20 19:00	2.03	61.7	15.01	16.18	29.12	0.02
9/18/20 19:15	1.114	73.36	14.4	16.05	29.12	0.01
9/18/20 19:30	1.323	301.3	25.78	15.91	29.12	0.01
9/18/20 19:45	1.079	233.7	34.1	16.03	29.12	0
9/18/20 20:00	1.283	140.1	10.26	15.95	29.12	0
9/18/20 20:15	0.898	131.9	6.833	15.89	29.12	0
9/18/20 20:30	3.266	200.1	22.6	16.03	29.12	0
9/18/20 20:45	3.998	190.9	7.27	16.03	29.12	0
9/18/20 21:00	2.844	182.7	13.95	15.99	29.12	0
9/18/20 21:15	2.366	174.7	20.71	15.88	29.12	0
9/18/20 21:30	3.53	211.3	8.35	15.97	29.12	0
9/18/20 21:45	5.017	222.3	9.35	15.92	29.12	0
9/18/20 22:00	6.714	234	6.463	15.81	29.15	0
9/18/20 22:15	8.42	239.3	9.68	15.7	29.15	0
9/18/20 22:30	8.81	247.4	7.33	15.45	29.15	0
9/18/20 22:45	7.117	236.6	9.38	15.3	29.15	0
9/18/20 23:00	5.014	226.6	16.23	15.27	29.16	0
9/18/20 23:15	6.117	218.9	17.18	15.18	29.16	0
9/18/20 23:30	8.21	237.5	7.709	15.18	29.16	0
9/18/20 23:45	6.256	219.9	11.3	15.14	29.16	0
9/19/20 0:00	5.601	201.9	9.34	15.07	29.14	0
9/19/20 0:15	6.661	188	9.96	14.95	29.14	0
9/19/20 0:30	5.031	201.9	9.67	14.94	29.14	0
9/19/20 0:45	4.811	182.5	13.98	14.93	29.14	0
9/19/20 1:00	4.978	182.4	10.65	14.9	29.16	0
9/19/20 1:15	5.369	181.5	9.67	14.9	29.16	0
9/19/20 1:30	5.111	198.1	8.99	14.97	29.16	0
9/19/20 1:45	4.855	195.6	11.33	14.97	29.16	0
9/19/20 2:00	7.367	206.6	12.28	14.98	29.17	0
9/19/20 2:15	8.29	205.4	9.36	14.93	29.17	0
9/19/20 2:30	8.69	211.4	8.62	14.87	29.17	0
9/19/20 2:45	7.368	206.6	9.44	14.84	29.17	0
9/19/20 3:00	7.141	200.3	9.03	14.78	29.15	0
9/19/20 3:15	6.941	207.7	9.91	14.74	29.15	0
9/19/20 3:30	6.282	197.5	9.86	14.74	29.15	0
9/19/20 3:45	6.919	191.4	9.58	14.74	29.15	0
9/19/20 4:00	7.482	196.4	9.16	14.76	29.17	0
9/19/20 4:15	7.198	203	13.35	14.77	29.17	0
9/19/20 4:30	7.217	193.7	9.86	14.72	29.17	0
9/19/20 4:45	6.757	196.5	12.39	14.68	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/19/20 5:00	7.115	211	7.38	14.72	29.17	0
9/19/20 5:15	7.267	219.6	10.03	14.7	29.17	0
9/19/20 5:30	5.651	227.6	7.648	14.65	29.17	0.01
9/19/20 5:45	6.18	231.6	16.07	14.68	29.17	0
9/19/20 6:00	7.01	233.2	10.41	14.67	29.19	0
9/19/20 6:15	7.271	225.4	9.75	14.54	29.19	0
9/19/20 6:30	7.919	230.2	6.303	14.36	29.19	0
9/19/20 6:45	7.127	239.5	7.407	14.31	29.19	0
9/19/20 7:00	7.18	228.3	9.06	14.29	29.21	0
9/19/20 7:15	5.465	232.7	9.6	14.3	29.21	0
9/19/20 7:30	5.019	231	8.45	14.28	29.21	0
9/19/20 7:45	4.306	224.7	9.97	14.26	29.21	0
9/19/20 8:00	4.179	193.2	11.87	14.28	29.21	0.01
9/19/20 8:15	4.2	194	8.92	14.32	29.21	0
9/19/20 8:30	4.89	198.8	8.37	14.41	29.21	0
9/19/20 8:45	5.6	187.6	10.59	14.46	29.21	0.01
9/19/20 9:00	6.443	181.6	8.66	14.54	29.24	0
9/19/20 9:15	8.27	193.9	10.27	14.62	29.24	0
9/19/20 9:30	7.865	196.1	7.651	14.82	29.24	0
9/19/20 9:45	6.436	189.9	10.34	15.17	29.24	0
9/19/20 10:00	7.344	188.4	10.9	15.32	29.23	0
9/19/20 10:15	7.181	183	12.77	15.55	29.23	0
9/19/20 10:30	7.92	179.1	11.87	15.57	29.23	0
9/19/20 10:45	10.1	197	9.94	15.59	29.23	0
9/19/20 11:00	8.4	187.5	10.83	16.03	29.24	0
9/19/20 11:15	7.477	197.6	9.72	16.17	29.24	0
9/19/20 11:30	7.666	190.6	13.28	16.78	29.24	0
9/19/20 11:45	6.227	190.8	18.37	16.96	29.24	0
9/19/20 12:00	6.66	196.4	14.55	16.97	29.25	0
9/19/20 12:15	6.414	183	12.32	17.11	29.25	0
9/19/20 12:30	6.396	188.6	17.15	17.4	29.25	0
9/19/20 12:45	7.192	178.4	11.26	17.55	29.25	0
9/19/20 13:00	7.175	193.3	14.35	18.02	29.24	0
9/19/20 13:15	6.539	182.4	13.17	18.2	29.24	0
9/19/20 13:30	6.591	195.9	21.25	18.36	29.24	0
9/19/20 13:45	7.188	212.5	10.81	18.36	29.24	0
9/19/20 14:00	7.495	253.2	13.34	18.15	29.25	0
9/19/20 14:15	9.58	251	9.29	18.83	29.25	0
9/19/20 14:30	8.6	244.2	14.18	19.41	29.25	0
9/19/20 14:45	8.97	252.7	14.56	19.38	29.25	0
9/19/20 15:00	9.66	248.9	9.57	19.05	29.23	0
9/19/20 15:15	9.06	245.9	13.04	19.08	29.23	0
9/19/20 15:30	8.25	235.2	10.33	19.24	29.23	0
9/19/20 15:45	10.42	245.1	9.34	19.45	29.23	0
9/19/20 16:00	8.99	250.3	10.83	19.67	29.22	0
9/19/20 16:15	8.07	239.5	14.36	19.63	29.22	0
9/19/20 16:30	9.34	238.5	13.84	19.17	29.22	0
9/19/20 16:45	7.579	245.1	9.17	19.34	29.22	0
9/19/20 17:00	8.75	239.8	11.81	19.1	29.22	0
9/19/20 17:15	6.05	214.2	13.86	18.9	29.22	0
9/19/20 17:30	9.55	238.2	10.13	18.69	29.22	0
9/19/20 17:45	12.3	245	8.22	18.27	29.22	0
9/19/20 18:00	13.54	244.5	7.313	17.9	29.24	0
9/19/20 18:15	11.87	235.8	9.59	17.62	29.24	0
9/19/20 18:30	14.23	227.1	9.04	17.28	29.24	0
9/19/20 18:45	13.46	225.9	9.54	16.93	29.24	0
9/19/20 19:00	13.26	231.8	8.9	16.55	29.25	0
9/19/20 19:15	11.32	222.5	9.89	16.23	29.25	0
9/19/20 19:30	9.88	228.5	11.11	16.01	29.25	0
9/19/20 19:45	10.43	233.5	9.03	15.78	29.25	0
9/19/20 20:00	8.13	254.9	17.43	15.46	29.27	0
9/19/20 20:15	6.22	268.9	5.71	14.76	29.27	0
9/19/20 20:30	2.798	273	42.76	14.54	29.27	0.01
9/19/20 20:45	1.897	65.34	13.59	14.31	29.27	0
9/19/20 21:00	2.646	76.52	17.35	14.1	29.29	0.01
9/19/20 21:15	3.507	29.31	9.73	14.08	29.29	0
9/19/20 21:30	3.963	6.279	13.46	14.17	29.29	0
9/19/20 21:45	1.597	305.3	29.23	14.28	29.29	0
9/19/20 22:00	2.004	305	19.85	14.38	29.28	0
9/19/20 22:15	2.307	229.2	23.9	14.35	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/19/20 22:30	1.329	154.1	70.01	14.21	29.28	0
9/19/20 22:45	1.818	38.95	17.25	14.01	29.28	0
9/19/20 23:00	1.061	14.18	6.967	13.94	29.3	0
9/19/20 23:15	0.169	16.71	6.956	14.01	29.3	0
9/19/20 23:30	3.753	52.7	10.87	14.01	29.3	0.01
9/19/20 23:45	5.494	33.41	16.7	13.75	29.3	0
9/20/20 0:00	3.988	22.03	9.21	13.71	29.28	0.02
9/20/20 0:15	1.98	32.06	13.73	13.69	29.28	0
9/20/20 0:30	3.416	156.1	36.05	13.82	29.28	0.01
9/20/20 0:45	2.56	157.2	12.24	13.81	29.28	0
9/20/20 1:00	1.828	127.4	17.84	13.75	29.27	0
9/20/20 1:15	2.543	137.4	3.474	13.76	29.27	0
9/20/20 1:30	3.705	148.1	6.567	13.81	29.27	0.01
9/20/20 1:45	4.007	170.2	13.53	13.9	29.27	0
9/20/20 2:00	4.547	172.6	10.34	13.98	29.28	0
9/20/20 2:15	2.906	170.9	10.17	13.8	29.28	0.01
9/20/20 2:30	0.397	177.1	2.543	13.75	29.28	0
9/20/20 2:45	0.316	180.8	2.223	13.79	29.28	0
9/20/20 3:00	1.333	174.5	4.094	13.78	29.29	0
9/20/20 3:15	0.217	181.7	2.821	13.8	29.29	0
9/20/20 3:30	1.198	171.2	71.57	13.77	29.29	0
9/20/20 3:45	2.489	237.2	11.09	13.82	29.29	0
9/20/20 4:00	3.029	239.7	9.22	13.83	29.27	0
9/20/20 4:15	3.201	234.4	7.791	13.76	29.27	0
9/20/20 4:30	3.257	228.1	3.736	13.77	29.27	0
9/20/20 4:45	3.038	221.8	8.9	13.82	29.27	0
9/20/20 5:00	3.878	210.2	13.09	13.75	29.28	0
9/20/20 5:15	3.132	193	8.64	13.56	29.28	0.01
9/20/20 5:30	1.612	143.2	23.18	13.52	29.28	0.01
9/20/20 5:45	1.642	61.01	17.98	13.5	29.28	0
9/20/20 6:00	2.619	54.93	3.048	13.51	29.29	0
9/20/20 6:15	2.596	70.52	10.19	13.42	29.29	0
9/20/20 6:30	0.866	90.2	0.155	13.42	29.29	0
9/20/20 6:45	2.031	138	26.67	13.53	29.29	0
9/20/20 7:00	2.304	153	6.505	13.66	29.29	0
9/20/20 7:15	2.211	146.8	9.65	13.69	29.29	0
9/20/20 7:30	2.462	174.2	17	13.84	29.29	0
9/20/20 7:45	2.339	146.4	7.443	13.82	29.29	0
9/20/20 8:00	2.5	140.1	14.21	13.96	29.28	0
9/20/20 8:15	2.722	98.8	8.77	14.04	29.28	0
9/20/20 8:30	1.899	80.3	12.65	14.14	29.28	0
9/20/20 8:45	2.122	93	9.23	14.27	29.28	0
9/20/20 9:00	2.119	153.2	34.63	14.63	29.3	0
9/20/20 9:15	3.382	90.4	29.29	14.88	29.3	0
9/20/20 9:30	3.457	71.23	15.09	15.42	29.3	0
9/20/20 9:45	3.466	72.27	17.09	15.89	29.3	0
9/20/20 10:00	3.893	116.6	27.72	15.95	29.3	0
9/20/20 10:15	2.267	144.9	34.7	16.15	29.3	0
9/20/20 10:30	4.9	187.6	9.16	16	29.3	0
9/20/20 10:45	3.226	169.4	24.01	16.79	29.3	0
9/20/20 11:00	6.679	242.3	33.33	16.81	29.28	0
9/20/20 11:15	8.91	278.3	5.605	16.03	29.28	0
9/20/20 11:30	7.636	279.5	12.7	16.06	29.28	0
9/20/20 11:45	6.513	277.4	11.9	16.71	29.28	0
9/20/20 12:00	5.911	276.9	11.46	16.98	29.3	0
9/20/20 12:15	4.124	275.5	20.52	16.91	29.3	0
9/20/20 12:30	2.128	252.2	25.83	17.42	29.3	0
9/20/20 12:45	4.917	210.4	19.15	18.01	29.3	0
9/20/20 13:00	3.177	228.1	30.96	18.43	29.27	0
9/20/20 13:15	2.294	222	46.19	19.13	29.27	0
9/20/20 13:30	2.043	247.2	68.2	19.14	29.27	0
9/20/20 13:45	4.477	219.2	24.67	19.31	29.27	0
9/20/20 14:00	5.024	230.9	20.16	19.35	29.25	0
9/20/20 14:15	4.735	216.8	24.37	19.36	29.25	0
9/20/20 14:30	2.967	228.4	38.74	19.69	29.25	0
9/20/20 14:45	5.223	247.8	47.66	20.04	29.25	0
9/20/20 15:00	5.113	217.3	15.8	19.87	29.23	0
9/20/20 15:15	6.233	208.8	11.91	19.77	29.23	0
9/20/20 15:30	4.819	232.8	25.41	19.74	29.23	0
9/20/20 15:45	6.465	243	12.45	19.87	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/20/20 16:00	4.887	242.6	14.35	19.68	29.2	0
9/20/20 16:15	3.62	270.7	16.28	19.97	29.2	0
9/20/20 16:30	2.861	232.5	24.99	19.8	29.2	0
9/20/20 16:45	3.141	245.5	20.04	20.3	29.2	0
9/20/20 17:00	2.888	234	21.69	19.86	29.2	0
9/20/20 17:15	3.218	11.49	67.43	19.31	29.2	0
9/20/20 17:30	5.285	315.5	9.03	18.81	29.2	0
9/20/20 17:45	5.144	309.1	6.357	18.41	29.2	0
9/20/20 18:00	5.353	310.5	4.281	17.9	29.19	0
9/20/20 18:15	5.114	312.9	3.699	17.3	29.19	0
9/20/20 18:30	3.234	341.9	8.47	17.04	29.19	0
9/20/20 18:45	3.368	22.95	10.26	16.81	29.19	0
9/20/20 19:00	4.09	27.64	4.603	16.21	29.2	0
9/20/20 19:15	4.332	30.99	6.54	15.47	29.2	0
9/20/20 19:30	4.069	35.21	5.271	15.51	29.2	0
9/20/20 19:45	3.23	39.37	6.895	15.57	29.2	0
9/20/20 20:00	3.344	38.53	5.448	15.34	29.18	0
9/20/20 20:15	0.976	47.66	6.467	14.85	29.18	0
9/20/20 20:30	0.973	31.13	71.52	15.25	29.18	0
9/20/20 20:45	0.955	97.4	19.87	15.78	29.18	0
9/20/20 21:00	0.344	98.1	0.16	14.49	29.19	0
9/20/20 21:15	0.121	100.2	0.058	14.67	29.19	0
9/20/20 21:30	0.767	91.9	10.16	14.4	29.19	0
9/20/20 21:45	2.535	80.8	14.63	13.83	29.19	0
9/20/20 22:00	2.883	96.6	7.34	13.82	29.19	0
9/20/20 22:15	2.89	109.2	8.86	13.73	29.19	0
9/20/20 22:30	2.813	115.6	8.61	13.73	29.19	0
9/20/20 22:45	2.93	143.7	5.874	14.02	29.19	0
9/20/20 23:00	2.22	113.3	15.74	14.45	29.18	0
9/20/20 23:15	1.171	109.2	9.27	13.88	29.18	0
9/20/20 23:30	0.255	130.7	0.109	13.78	29.18	0
9/20/20 23:45	0.316	129.4	0.704	13.67	29.18	0
9/21/20 0:00	0.11	128.5	0.035	13.65	29.17	0
9/21/20 0:15	1.373	26.9	4.221	13.76	29.17	0
9/21/20 0:30	1.212	29.34	6.077	13.38	29.17	0
9/21/20 0:45	1.581	56.87	1.637	13.36	29.17	0
9/21/20 1:00	1.02	65.92	3.427	13.38	29.13	0
9/21/20 1:15	0.336	68.72	0.679	13.44	29.13	0
9/21/20 1:30	2.458	159.3	31.52	13.18	29.13	0
9/21/20 1:45	1.3	162.6	6.886	13.88	29.13	0
9/21/20 2:00	2.249	197.7	14.55	12.79	29.12	0
9/21/20 2:15	0.902	200.3	54.75	12.93	29.12	0
9/21/20 2:30	1.701	252.6	39.06	12.88	29.12	0
9/21/20 2:45	0.442	267.4	13.82	12.43	29.12	0
9/21/20 3:00	1.516	179.6	16.48	12.98	29.14	0
9/21/20 3:15	3.6	203.6	5.234	12.51	29.14	0
9/21/20 3:30	2.708	159.7	29.38	11.96	29.14	0
9/21/20 3:45	1.9	112.3	14.07	11.76	29.14	0
9/21/20 4:00	2.823	150.3	10.03	12.49	29.13	0
9/21/20 4:15	2.493	139.8	15.29	12.39	29.13	0
9/21/20 4:30	2.247	138.1	6.561	12.3	29.13	0
9/21/20 4:45	4.864	174.7	13.62	12.1	29.13	0.01
9/21/20 5:00	5.502	159.6	5.028	11.87	29.13	0
9/21/20 5:15	5.09	164.4	6.801	11.98	29.13	0
9/21/20 5:30	3.893	153.6	14.8	12.26	29.13	0
9/21/20 5:45	2.079	82.7	21.19	12.03	29.13	0
9/21/20 6:00	2.073	90.8	16.21	12.28	29.15	0
9/21/20 6:15	3.558	159.3	7.957	12.57	29.15	0
9/21/20 6:30	4.132	161.4	13.41	12.51	29.15	0
9/21/20 6:45	3.993	178.4	8.69	12.43	29.15	0
9/21/20 7:00	3.149	187.2	12.95	12.59	29.13	0
9/21/20 7:15	3.416	212.5	8.27	12.03	29.13	0
9/21/20 7:30	2.477	206.3	66.75	12.11	29.13	0
9/21/20 7:45	3.071	157.1	66.96	12.23	29.13	0
9/21/20 8:00	1.779	41.83	9.81	11.84	29.16	0
9/21/20 8:15	2.435	103.6	15.63	12.96	29.16	0
9/21/20 8:30	1.847	87.7	23.45	13.6	29.16	0
9/21/20 8:45	3.43	200.1	10.21	14.71	29.16	0
9/21/20 9:00	2.56	184	27.36	14.82	29.16	0
9/21/20 9:15	2.505	187	42.91	15.17	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/21/20 9:30	1.434	221.1	14.62	15.8	29.16	0
9/21/20 9:45	2.901	64.11	18.21	15.98	29.16	0
9/21/20 10:00	2.751	96.5	17.18	15.59	29.14	0
9/21/20 10:15	2.053	238.7	70.14	16.26	29.14	0
9/21/20 10:30	4.36	219.6	14.14	16.51	29.14	0
9/21/20 10:45	1.749	217.3	27.94	16.6	29.14	0
9/21/20 11:00	3.693	58.89	28.39	17.17	29.14	0
9/21/20 11:15	2.086	85.8	38.82	17.91	29.14	0
9/21/20 11:30	1.906	122.3	72.97	18.36	29.14	0
9/21/20 11:45	4.423	246.5	19.28	18.44	29.14	0
9/21/20 12:00	5.47	261.4	13.31	18.72	29.15	0
9/21/20 12:15	5.146	260.1	15.93	18.69	29.15	0
9/21/20 12:30	4.589	223	18.22	18.86	29.15	0
9/21/20 12:45	4.937	200.4	14.22	19.19	29.15	0
9/21/20 13:00	5.24	221.5	24.22	18.96	29.16	0
9/21/20 13:15	5.985	265.5	23.93	18.94	29.16	0
9/21/20 13:30	7.383	280.3	7.032	18.92	29.16	0
9/21/20 13:45	5.546	288.6	13.25	19.03	29.16	0
9/21/20 14:00	4.281	251.5	19.56	19.11	29.15	0
9/21/20 14:15	2.491	251.7	30.78	19.09	29.15	0
9/21/20 14:30	2.883	248.9	22.67	19.38	29.15	0
9/21/20 14:45	5.101	218.9	16.95	19.11	29.15	0
9/21/20 15:00	2.23	204.8	46.53	19.13	29.15	0
9/21/20 15:15	1.783	189.6	43.97	19.54	29.15	0
9/21/20 15:30	2.438	187.1	26.72	19.43	29.15	0
9/21/20 15:45	3.653	197.9	28	19.21	29.15	0
9/21/20 16:00	3.618	200.4	21.26	19.24	29.16	0
9/21/20 16:15	3.236	197.7	11.7	19.24	29.16	0
9/21/20 16:30	3.476	203.1	7.553	19.4	29.16	0
9/21/20 16:45	4.847	199.1	8.71	19.48	29.16	0
9/21/20 17:00	5.033	199.7	7.69	19.3	29.15	0
9/21/20 17:15	5.542	207.6	7.693	19.21	29.15	0
9/21/20 17:30	5.769	208.9	10.61	19.1	29.15	0
9/21/20 17:45	4.708	217.6	7.307	18.98	29.15	0
9/21/20 18:00	4.233	199.1	6.195	18.8	29.15	0
9/21/20 18:15	4.125	185.2	11.95	18.71	29.15	0
9/21/20 18:30	4.478	190	5.765	18.54	29.15	0
9/21/20 18:45	3.226	180.6	16.66	18.37	29.15	0
9/21/20 19:00	3.407	181.5	10.52	18.19	29.15	0
9/21/20 19:15	2.053	168.8	14.32	18.01	29.15	0
9/21/20 19:30	0.755	156.6	13.38	18.02	29.15	0
9/21/20 19:45	0.872	101.8	6.418	17.72	29.15	0
9/21/20 20:00	0.376	96.7	4.916	17.84	29.16	0
9/21/20 20:15	0.384	73.01	0.692	17.63	29.16	0
9/21/20 20:30	0.784	132.5	44.08	17.44	29.16	0
9/21/20 20:45	0.121	172.9	10.99	17.2	29.16	0
9/21/20 21:00	1.782	299.2	3.947	17.09	29.17	0
9/21/20 21:15	0.107	8.66	19.23	16.74	29.17	0
9/21/20 21:30	0.595	71.26	1.035	16.46	29.17	0
9/21/20 21:45	1.352	335	16.73	16.59	29.17	0
9/21/20 22:00	4.356	297.3	10.05	16.25	29.16	0
9/21/20 22:15	4.885	246	7.568	16.4	29.16	0
9/21/20 22:30	3.624	265	6.362	16.72	29.16	0
9/21/20 22:45	1.586	258.8	8.94	16.91	29.16	0
9/21/20 23:00	1.88	226.8	11.8	16.89	29.18	0
9/21/20 23:15	2.181	211.3	7.475	16.67	29.18	0
9/21/20 23:30	2.626	190.3	5.468	16.45	29.18	0
9/21/20 23:45	3.117	177.3	4.852	16.28	29.18	0
9/22/20 0:00	2.997	160.9	9.53	16.07	29.18	0
9/22/20 0:15	3.601	165.7	3.485	15.92	29.18	0
9/22/20 0:30	3.408	181.9	7.406	15.88	29.18	0
9/22/20 0:45	3.211	173	14.46	15.64	29.18	0
9/22/20 1:00	3.215	141.8	7.851	15.52	29.18	0
9/22/20 1:15	2.754	182.4	21.07	15.62	29.18	0
9/22/20 1:30	3.162	228.7	10.21	16.06	29.18	0
9/22/20 1:45	0.453	251.7	7.65	15.88	29.18	0
9/22/20 2:00	0.015	8.86	0.013	15.55	29.17	0
9/22/20 2:15	0	0	0	15.65	29.17	0
9/22/20 2:30	0.143	8.89	0.049	15.78	29.17	0
9/22/20 2:45	0	0	0	15.82	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/22/20 3:00	0.324	6.023	4.232	15.46	29.16	0
9/22/20 3:15	1.818	262.5	37.86	15.31	29.16	0
9/22/20 3:30	3.411	243.9	4.092	15.09	29.16	0.01
9/22/20 3:45	2.76	247.2	8.35	14.95	29.16	0
9/22/20 4:00	3.444	232.4	4.425	14.88	29.19	0.02
9/22/20 4:15	3.542	227.9	7.272	14.76	29.19	0.01
9/22/20 4:30	2.691	201.9	16.98	14.72	29.19	0
9/22/20 4:45	4.006	171.3	11.14	14.64	29.19	0
9/22/20 5:00	5.711	162.9	6.541	14.56	29.18	0.01
9/22/20 5:15	5.36	170.2	7.689	14.56	29.18	0
9/22/20 5:30	5.061	177.6	7.686	14.57	29.18	0
9/22/20 5:45	5.789	176.8	5.667	14.56	29.18	0
9/22/20 6:00	4.639	181.4	6.967	14.59	29.21	0
9/22/20 6:15	4.701	170.8	9.42	14.55	29.21	0
9/22/20 6:30	5.094	191	20.23	14.54	29.21	0
9/22/20 6:45	5.194	230.3	7.953	14.47	29.21	0
9/22/20 7:00	6.393	235.1	7.836	14.41	29.2	0
9/22/20 7:15	6.502	247	10.93	14.31	29.2	0
9/22/20 7:30	8.04	246.9	7.058	14.14	29.2	0
9/22/20 7:45	5.792	238.2	6.984	14.06	29.2	0
9/22/20 8:00	6.644	236.1	7.704	13.98	29.22	0
9/22/20 8:15	5.089	233.2	10.28	13.91	29.22	0
9/22/20 8:30	2.759	204.9	16.33	14.1	29.22	0
9/22/20 8:45	3.489	196.5	17.58	14.33	29.22	0
9/22/20 9:00	3.687	187.4	21.94	14.52	29.22	0
9/22/20 9:15	5.094	179.5	19.58	14.74	29.22	0
9/22/20 9:30	6.492	149.1	19.29	14.87	29.22	0
9/22/20 9:45	6.586	128.1	13.29	15.25	29.22	0
9/22/20 10:00	7.294	135.4	8.43	15.24	29.24	0
9/22/20 10:15	7.223	132.8	11.52	16.06	29.24	0
9/22/20 10:30	6.715	130.5	16.92	16.96	29.24	0
9/22/20 10:45	6.826	144.7	16.84	16.95	29.24	0
9/22/20 11:00	6.974	135.3	16.93	17.28	29.21	0
9/22/20 11:15	7.318	123.8	25.35	18.06	29.21	0
9/22/20 11:30	6.655	143.5	17.82	18.44	29.21	0
9/22/20 11:45	6.257	163.7	35.53	17.94	29.21	0
9/22/20 12:00	5.261	149	51.07	18.27	29.22	0
9/22/20 12:15	4.818	129.4	21.92	19.1	29.22	0
9/22/20 12:30	5.332	168	26.54	18.71	29.22	0
9/22/20 12:45	3.081	89.3	48.48	19.23	29.22	0
9/22/20 13:00	5.465	119.4	26.71	19.95	29.18	0
9/22/20 13:15	4.039	215.1	38.52	19.67	29.18	0
9/22/20 13:30	3.643	237.8	31.29	19.2	29.18	0
9/22/20 13:45	4.327	222.9	26.23	19.5	29.18	0
9/22/20 14:00	3.143	143.8	49.28	19.83	29.18	0
9/22/20 14:15	2.543	219	43.77	20.35	29.18	0
9/22/20 14:30	3.465	199.9	37.77	20.13	29.18	0
9/22/20 14:45	2.976	140.2	26.21	20.09	29.18	0
9/22/20 15:00	3.701	194.4	64.86	20.57	29.18	0
9/22/20 15:15	4.151	192.5	52.1	20.56	29.18	0
9/22/20 15:30	3.69	86.4	24.57	20.56	29.18	0
9/22/20 15:45	2.495	355.8	23.48	20.18	29.18	0
9/22/20 16:00	3.877	269	67.26	20.19	29.18	0
9/22/20 16:15	7.969	256.1	8.83	19.88	29.18	0
9/22/20 16:30	7.483	247.4	8.97	19.89	29.18	0
9/22/20 16:45	5.27	275.7	9.43	19.47	29.18	0
9/22/20 17:00	4.047	287.9	9.53	19.22	29.16	0
9/22/20 17:15	3.16	298.8	7.931	19.04	29.16	0
9/22/20 17:30	2.657	277.6	6.769	18.94	29.16	0
9/22/20 17:45	2.904	279.7	13.99	18.77	29.16	0
9/22/20 18:00	1.305	313	22.78	18.43	29.18	0
9/22/20 18:15	4.015	248.6	3.297	18.49	29.18	0
9/22/20 18:30	2.688	247.4	13.27	18.52	29.18	0
9/22/20 18:45	2.225	38.57	37.69	17.4	29.18	0
9/22/20 19:00	4.22	86.1	7.719	16.65	29.16	0
9/22/20 19:15	3.766	88.9	4.388	16.99	29.16	0
9/22/20 19:30	4.035	76.13	7.433	16.9	29.16	0
9/22/20 19:45	3.837	71.8	3.893	16.62	29.16	0
9/22/20 20:00	4.366	56.14	9.68	16.49	29.14	0
9/22/20 20:15	2.576	57.43	10.29	16.32	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/22/20 20:30	1.815	94.7	11.14	16.73	29.14	0
9/22/20 20:45	0.786	36.6	34.75	17	29.14	0
9/22/20 21:00	5.224	193.4	9.47	16.07	29.12	0
9/22/20 21:15	4.378	131.3	27.7	15.96	29.12	0
9/22/20 21:30	4.053	122.6	15.63	15.3	29.12	0
9/22/20 21:45	3.553	132.3	22.36	15.58	29.12	0
9/22/20 22:00	6.438	180.4	12.06	15.4	29.12	0
9/22/20 22:15	7.121	154.6	5.749	15.34	29.12	0
9/22/20 22:30	6.323	156.7	19.49	15.38	29.12	0
9/22/20 22:45	7.051	186.5	6.923	15.49	29.12	0
9/22/20 23:00	6.675	179.5	9.98	15.67	29.13	0
9/22/20 23:15	7.104	152.5	8.17	15.62	29.13	0
9/22/20 23:30	4.29	124.9	12.22	15.1	29.13	0
9/22/20 23:45	4.167	135.7	11.37	15.41	29.13	0
9/23/20 0:00	4.677	154.3	11.95	15.7	29.09	0
9/23/20 0:15	4.981	159.5	11.59	16.05	29.09	0
9/23/20 0:30	4.882	144.2	12.41	15.87	29.09	0
9/23/20 0:45	4.243	134.6	8.88	15.69	29.09	0
9/23/20 1:00	5.55	144.6	10.28	15.68	29.1	0
9/23/20 1:15	6.353	143.7	9.42	15.89	29.1	0
9/23/20 1:30	5.223	146.8	11.39	16.07	29.1	0
9/23/20 1:45	5.875	127.4	11.57	16.03	29.1	0
9/23/20 2:00	5.622	130.1	15.42	16.11	29.08	0
9/23/20 2:15	5.556	148	13.56	16.09	29.08	0
9/23/20 2:30	6.413	127.4	10.58	16.35	29.08	0
9/23/20 2:45	5.533	126.3	11.34	16.57	29.08	0
9/23/20 3:00	5.199	153.6	17.01	16.42	29.06	0
9/23/20 3:15	5.595	195.4	16.21	15.61	29.06	0
9/23/20 3:30	6.044	190.3	17.45	15.14	29.06	0.02
9/23/20 3:45	6.189	175.7	16.5	14.64	29.06	0.02
9/23/20 4:00	4.683	158.6	20.41	14.25	29.09	0.01
9/23/20 4:15	4.316	125.1	13.47	13.88	29.09	0.02
9/23/20 4:30	8	130.6	9.09	13.86	29.09	0.03
9/23/20 4:45	8.86	118.8	9.53	13.81	29.09	0.02
9/23/20 5:00	9.71	117.7	8.26	13.71	29.06	0.02
9/23/20 5:15	11.15	123.5	11.39	13.8	29.06	0.01
9/23/20 5:30	12.23	126.1	9.06	13.85	29.06	0.02
9/23/20 5:45	13.16	117.2	8.98	14.13	29.06	0.01
9/23/20 6:00	12.51	117.4	8.63	14.42	29.03	0.01
9/23/20 6:15	10.67	119.1	9.6	14.68	29.03	0.01
9/23/20 6:30	8.98	122.6	15.75	14.67	29.03	0
9/23/20 6:45	9.79	131.8	10.3	14.75	29.03	0
9/23/20 7:00	11.02	123.7	8.28	15.04	29.03	0
9/23/20 7:15	10.13	120.6	10.46	15.24	29.03	0
9/23/20 7:30	9.54	124.2	9.7	15.55	29.03	0
9/23/20 7:45	10.06	134	9.27	15.4	29.03	0
9/23/20 8:00	12.2	121.8	7.984	15.56	29.03	0.01
9/23/20 8:15	10.84	122.9	9.2	15.28	29.03	0.01
9/23/20 8:30	11.9	122.8	7.375	15.44	29.03	0
9/23/20 8:45	13.66	126.2	9.04	15.52	29.03	0
9/23/20 9:00	13.73	127.5	9.27	15.27	28.99	0
9/23/20 9:15	13.44	126.9	8.64	15.37	28.99	0.01
9/23/20 9:30	12.02	130.1	8.75	15.25	28.99	0.02
9/23/20 9:45	11.98	127.5	8.3	15.05	28.99	0.02
9/23/20 10:00	11.25	126.2	9.39	14.97	29.02	0.01
9/23/20 10:15	11.32	132.3	9.1	15.16	29.02	0.01
9/23/20 10:30	11.76	128.3	10.37	15.46	29.02	0.03
9/23/20 10:45	11.43	125.2	8.55	15.69	29.02	0.02
9/23/20 11:00	10.35	128.5	7.874	15.61	28.99	0.03
9/23/20 11:15	11.34	124.1	7.776	15.61	28.99	0.02
9/23/20 11:30	11.38	121.9	7.749	15.69	28.99	0.03
9/23/20 11:45	12.28	119.8	8.43	15.71	28.99	0.03
9/23/20 12:00	13.4	117.6	8.67	15.73	28.97	0.03
9/23/20 12:15	15.74	115.9	10.66	15.67	28.97	0.03
9/23/20 12:30	16.42	115.3	9.75	15.83	28.97	0.02
9/23/20 12:45	14.83	119.2	9.26	15.85	28.97	0.04
9/23/20 13:00	14.14	126.8	11.01	15.47	28.96	0.04
9/23/20 13:15	14	130.6	7.888	15.27	28.96	0.02
9/23/20 13:30	12.21	131.6	9.24	15.39	28.96	0
9/23/20 13:45	10.77	131	9.07	15.4	28.96	0.02

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/23/20 14:00	11.49	122.4	9.37	15.36	28.97	0
9/23/20 14:15	11.2	126.8	9.71	15.73	28.97	0.01
9/23/20 14:30	10.78	138.2	8.63	15.74	28.97	0.01
9/23/20 14:45	12.4	151.7	8.05	15.8	28.97	0.02
9/23/20 15:00	14.39	145.5	6.807	15.65	28.96	0.03
9/23/20 15:15	13.44	138.3	7.965	15.56	28.96	0.03
9/23/20 15:30	13.41	137.7	9.08	15.66	28.96	0.01
9/23/20 15:45	13.51	140.1	10.67	15.73	28.96	0.01
9/23/20 16:00	12.2	140	7.661	15.61	28.96	0.02
9/23/20 16:15	11.31	135	8.55	15.51	28.96	0.02
9/23/20 16:30	12.91	136.3	8.72	15.42	28.96	0.05
9/23/20 16:45	12.71	133.8	8.12	15.09	28.96	0.05
9/23/20 17:00	12.36	128.9	9.82	14.77	28.93	0.03
9/23/20 17:15	12.97	124.6	9.32	14.6	28.93	0.02
9/23/20 17:30	13.95	128.4	9.61	14.58	28.93	0.01
9/23/20 17:45	14.17	123.2	10.25	14.42	28.93	0.01
9/23/20 18:00	10.92	129.4	9.75	14.4	28.91	0.01
9/23/20 18:15	12.55	132.2	8.26	14.55	28.91	0.01
9/23/20 18:30	13.16	140.5	7.504	15.01	28.91	0
9/23/20 18:45	10.3	151	8.85	15.01	28.91	0
9/23/20 19:00	10.58	171.2	12.14	14.88	28.91	0.01
9/23/20 19:15	14.61	194.4	9.18	14.55	28.91	0.09
9/23/20 19:30	11.03	183.9	11.89	14.52	28.91	0
9/23/20 19:45	11.43	181.6	10.88	14.62	28.91	0
9/23/20 20:00	11.78	173.6	9.4	14.65	28.96	0
9/23/20 20:15	11.62	165.9	10.58	14.7	28.96	0
9/23/20 20:30	12.5	160.9	9.32	14.72	28.96	0.01
9/23/20 20:45	11.51	157.2	10.23	14.53	28.96	0
9/23/20 21:00	11.67	160.9	8.75	14.44	28.99	0
9/23/20 21:15	11.24	173.9	8.13	14.37	28.99	0.01
9/23/20 21:30	13.78	185	11.39	14.31	28.99	0.03
9/23/20 21:45	14.58	185.4	10.67	14.42	28.99	0
9/23/20 22:00	15.57	184.4	11.36	14.53	28.99	0
9/23/20 22:15	13.8	161.4	10.55	14.29	28.99	0
9/23/20 22:30	13.36	149	8.46	13.96	28.99	0
9/23/20 22:45	12.89	144.2	9.03	13.81	28.99	0
9/23/20 23:00	12.52	146.2	8.59	13.71	29.02	0
9/23/20 23:15	11.75	154.5	8.06	13.68	29.02	0
9/23/20 23:30	10.35	155.8	8.16	13.79	29.02	0
9/23/20 23:45	10.58	161.3	9.33	13.8	29.02	0
9/24/20 0:00	9.41	163.1	9.66	13.67	29.04	0
9/24/20 0:15	8.84	161.4	8.39	13.6	29.04	0
9/24/20 0:30	7.899	155.5	10.48	13.4	29.04	0
9/24/20 0:45	6.819	151.8	7.802	13.28	29.04	0
9/24/20 1:00	7.488	141.7	9.41	13.22	29.05	0
9/24/20 1:15	6.968	139	10.2	12.93	29.05	0
9/24/20 1:30	7.251	137.8	8.09	13.01	29.05	0
9/24/20 1:45	7.538	138.1	6.815	13.17	29.05	0
9/24/20 2:00	8.2	136	9.46	13.24	29.07	0
9/24/20 2:15	8.61	142	6.952	13.32	29.07	0
9/24/20 2:30	10.55	146.6	6.591	13.33	29.07	0
9/24/20 2:45	10.61	158.7	9.53	13.35	29.07	0
9/24/20 3:00	7.953	156.3	8.5	13.11	29.08	0
9/24/20 3:15	7.637	143.4	6.446	12.96	29.08	0
9/24/20 3:30	8.3	151.6	9.87	13.14	29.08	0
9/24/20 3:45	9.21	164.3	7.482	13.39	29.08	0
9/24/20 4:00	7.618	156.5	9.17	13.21	29.08	0
9/24/20 4:15	8.39	142.6	6.543	13.16	29.08	0
9/24/20 4:30	9.48	148.9	8.02	13.26	29.08	0
9/24/20 4:45	9.63	148.9	6.886	13.47	29.08	0
9/24/20 5:00	9.97	149.1	7.032	13.2	29.07	0.02
9/24/20 5:15	10.77	162.5	9.08	13.31	29.07	0
9/24/20 5:30	10.04	178.2	7.769	13.25	29.07	0.01
9/24/20 5:45	9.66	170.9	7.831	13.28	29.07	0
9/24/20 6:00	9.06	170.6	7.374	13.42	29.1	0
9/24/20 6:15	10.35	170.9	7.645	13.55	29.1	0
9/24/20 6:30	11.88	168.7	6.965	13.56	29.1	0
9/24/20 6:45	10.14	163.4	9.33	13.18	29.1	0
9/24/20 7:00	9.34	151.6	7.005	12.92	29.11	0
9/24/20 7:15	8.4	162.6	7.374	13.16	29.11	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/24/20 7:30	9.83	169.5	6.686	13.34	29.11	0.01
9/24/20 7:45	9.75	167.1	7.423	13.46	29.11	0
9/24/20 8:00	10.42	168.6	7.85	13.81	29.13	0
9/24/20 8:15	10.23	174.8	7.646	14.23	29.13	0
9/24/20 8:30	11.17	169.3	8.73	14.68	29.13	0
9/24/20 8:45	10.41	168.9	10.92	14.96	29.13	0
9/24/20 9:00	11.53	170.8	11.16	15.12	29.13	0
9/24/20 9:15	12.54	177.5	9.56	14.67	29.13	0
9/24/20 9:30	11.65	183	8.28	14.21	29.13	0.05
9/24/20 9:45	6.095	153.9	17.56	13.86	29.13	0.02
9/24/20 10:00	6.188	149.7	17.17	14	29.16	0.01
9/24/20 10:15	9.77	178.5	9.4	14.73	29.16	0
9/24/20 10:30	11.52	179.2	9.55	15.61	29.16	0
9/24/20 10:45	11.09	178.8	9.72	15.83	29.16	0
9/24/20 11:00	11.57	183.7	15.18	16.23	29.15	0
9/24/20 11:15	10.03	179.7	13.82	16.23	29.15	0
9/24/20 11:30	10.98	175.7	10.83	16.64	29.15	0
9/24/20 11:45	12.68	173.2	9.48	16.53	29.15	0
9/24/20 12:00	11.72	177.3	8.15	15.59	29.18	0
9/24/20 12:15	11.47	169.3	13.24	16.38	29.18	0
9/24/20 12:30	9.84	177.3	13.55	16.3	29.18	0
9/24/20 12:45	9.48	170.3	8.74	16.13	29.18	0
9/24/20 13:00	13.55	179.3	9.1	15.67	29.19	0
9/24/20 13:15	11.08	180.2	13.71	15.53	29.19	0
9/24/20 13:30	10.08	183.7	11.04	15.27	29.19	0
9/24/20 13:45	9.73	194.8	13	15.15	29.19	0
9/24/20 14:00	7.103	172.7	11.67	15.3	29.2	0
9/24/20 14:15	7.508	150.9	14.76	15.66	29.2	0
9/24/20 14:30	8.39	150.6	12.29	15.83	29.2	0
9/24/20 14:45	8.66	138.1	11.04	15.45	29.2	0
9/24/20 15:00	9.51	140.1	8.99	15.02	29.2	0
9/24/20 15:15	8.22	135.4	11.21	14.42	29.2	0
9/24/20 15:30	6.394	122	12.22	14.19	29.2	0
9/24/20 15:45	6.029	118.5	11.92	14.64	29.2	0
9/24/20 16:00	8.5	135.6	10.38	14.89	29.18	0.01
9/24/20 16:15	9.18	136.7	7.351	14.48	29.18	0
9/24/20 16:30	8.68	127.4	8.53	14.41	29.18	0
9/24/20 16:45	8.38	121.9	8.61	14.35	29.18	0
9/24/20 17:00	8.76	113.5	8.58	14.33	29.16	0
9/24/20 17:15	7.978	117.3	11.33	14.28	29.16	0
9/24/20 17:30	7.82	123.3	8.47	14.24	29.16	0
9/24/20 17:45	7.184	128	7.911	14.18	29.16	0
9/24/20 18:00	5.796	121	11.25	14.24	29.17	0
9/24/20 18:15	6.666	127	8.03	14.21	29.17	0
9/24/20 18:30	8.84	141.1	9.4	14.09	29.17	0
9/24/20 18:45	8.11	137.5	11.35	13.73	29.17	0
9/24/20 19:00	5.57	129.9	8.53	13.38	29.17	0
9/24/20 19:15	6.525	138.8	6.359	13.28	29.17	0
9/24/20 19:30	5.844	133	7.739	13.22	29.17	0
9/24/20 19:45	6.177	127.7	7.018	13.28	29.17	0
9/24/20 20:00	5.93	134.9	6.89	13.36	29.16	0
9/24/20 20:15	6.052	139.2	8.05	13.56	29.16	0
9/24/20 20:30	7.2	141	14.01	13.52	29.16	0
9/24/20 20:45	6.628	135.7	10.69	13.52	29.16	0
9/24/20 21:00	6.463	128.7	7.279	13.61	29.14	0
9/24/20 21:15	7.531	133	7.463	14.03	29.14	0
9/24/20 21:30	7.166	136	7.155	14.21	29.14	0
9/24/20 21:45	7.405	144.5	6.956	14.42	29.14	0
9/24/20 22:00	6.869	144.5	9.28	14.25	29.12	0
9/24/20 22:15	7.024	131.6	9.1	14.32	29.12	0
9/24/20 22:30	8.3	135.1	10.6	14.27	29.12	0
9/24/20 22:45	8.23	137.3	7.36	14.14	29.12	0
9/24/20 23:00	7.425	142.7	7.611	14.11	29.08	0
9/24/20 23:15	7.295	142.2	6.44	14.13	29.08	0
9/24/20 23:30	6.879	148.2	6.154	14.15	29.08	0
9/24/20 23:45	7.124	143.1	6.578	14.07	29.08	0
9/25/20 0:00	7.203	138.7	6.82	14.03	29.07	0
9/25/20 0:15	7.777	136.5	7.806	14	29.07	0
9/25/20 0:30	7.458	137.2	7.716	14.05	29.07	0
9/25/20 0:45	8.51	141.3	7.599	14.04	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/25/20 1:00	8.84	138.8	8.05	14.23	29.05	0
9/25/20 1:15	8.7	134.1	8.74	14.27	29.05	0
9/25/20 1:30	8.49	146.1	7.069	14.19	29.05	0
9/25/20 1:45	7.834	141.3	8.04	13.88	29.05	0
9/25/20 2:00	9.38	137.2	8.9	13.98	29.03	0
9/25/20 2:15	9.19	138.2	10.44	13.8	29.03	0
9/25/20 2:30	9.31	145.2	9.3	13.7	29.03	0
9/25/20 2:45	9.24	140.4	8.21	13.63	29.03	0
9/25/20 3:00	8.92	141.1	7.16	13.68	28.99	0
9/25/20 3:15	9.2	135.5	7.646	13.7	28.99	0
9/25/20 3:30	8.68	138.9	8.7	13.81	28.99	0
9/25/20 3:45	8.52	152.4	7.799	13.55	28.99	0
9/25/20 4:00	7.14	147.3	7.27	13.01	28.96	0.01
9/25/20 4:15	7.399	149.8	7.361	12.7	28.96	0.01
9/25/20 4:30	8.62	134.3	10.57	12.5	28.96	0
9/25/20 4:45	8.46	137.8	10.51	12.67	28.96	0.01
9/25/20 5:00	7.15	138.3	12.48	12.44	28.95	0.01
9/25/20 5:15	8.05	127.1	8.16	12.46	28.95	0.01
9/25/20 5:30	7.597	142.2	14.77	12.69	28.95	0.01
9/25/20 5:45	8.82	147.1	10.83	12.35	28.95	0.02
9/25/20 6:00	10.02	134	8.16	12.11	28.93	0.03
9/25/20 6:15	9.45	134.3	9.09	11.87	28.93	0.03
9/25/20 6:30	9.16	139	8.31	11.74	28.93	0.03
9/25/20 6:45	9.99	136.7	8.75	11.8	28.93	0.02
9/25/20 7:00	12.55	133.6	8.93	11.79	28.91	0.02
9/25/20 7:15	13.74	134.9	8.24	11.83	28.91	0.01
9/25/20 7:30	13.41	141.4	8.26	11.81	28.91	0.02
9/25/20 7:45	12.53	137.2	8.5	11.85	28.91	0.02
9/25/20 8:00	12.6	132.9	8.59	11.96	28.87	0
9/25/20 8:15	11.98	127.7	8.42	12.14	28.87	0.02
9/25/20 8:30	9.71	114.5	12.66	12.33	28.87	0.01
9/25/20 8:45	6.369	112	14.74	12.46	28.87	0
9/25/20 9:00	6.288	125.3	14.09	12.74	28.87	0
9/25/20 9:15	6.39	136.6	12.91	13.14	28.87	0
9/25/20 9:30	5.205	175.7	57.94	12.76	28.87	0
9/25/20 9:45	6.665	138.8	11.4	12.99	28.87	0
9/25/20 10:00	8.36	140.7	10.3	12.71	28.89	0
9/25/20 10:15	11.42	150.6	9.16	12.93	28.89	0
9/25/20 10:30	14.22	151.3	8.11	12.86	28.89	0.01
9/25/20 10:45	11.05	155	7.796	12.81	28.89	0
9/25/20 11:00	8.76	164.1	12.36	12.89	28.91	0.05
9/25/20 11:15	7.298	161.6	12.59	12.9	28.91	0.05
9/25/20 11:30	10.16	154.5	7.48	13.04	28.91	0
9/25/20 11:45	10.2	163.1	8.99	13.78	28.91	0
9/25/20 12:00	9.13	185.5	11.04	13.78	28.91	0.1
9/25/20 12:15	8.17	190.2	10.23	13.8	28.91	0.06
9/25/20 12:30	8.07	177.3	12.01	13.83	28.91	0.11
9/25/20 12:45	12.65	201.7	15.3	13.92	28.91	0.09
9/25/20 13:00	12.38	202.6	9.63	14.43	28.92	0
9/25/20 13:15	15.95	201.3	10.14	14.75	28.92	0
9/25/20 13:30	14.01	202.8	10.99	14.87	28.92	0
9/25/20 13:45	17.3	210.6	10.58	14.99	28.92	0
9/25/20 14:00	20.87	221.1	9.57	15.02	28.98	0
9/25/20 14:15	20.65	218.2	10.92	15.27	28.98	0
9/25/20 14:30	17.53	205.5	12.13	15.05	28.98	0
9/25/20 14:45	15.05	208.3	11.24	15.01	28.98	0
9/25/20 15:00	15.27	206.7	8.45	14.96	29.01	0
9/25/20 15:15	14.92	210.2	10.64	14.88	29.01	0
9/25/20 15:30	13.27	202.1	12.05	14.83	29.01	0
9/25/20 15:45	13.15	200.5	9.33	14.77	29.01	0
9/25/20 16:00	13.9	201.6	12.09	15.18	29.02	0
9/25/20 16:15	15.28	205.9	8.26	15.14	29.02	0
9/25/20 16:30	13.93	201.2	11.39	14.82	29.02	0
9/25/20 16:45	11.41	200.1	11.15	14.67	29.02	0
9/25/20 17:00	7.958	180.6	12.74	14.49	29.05	0
9/25/20 17:15	7.73	177.1	11.03	14.5	29.05	0
9/25/20 17:30	8.23	182.1	9.3	14.25	29.05	0
9/25/20 17:45	9.18	179.8	8.34	14.05	29.05	0
9/25/20 18:00	6.365	168.7	23.23	13.68	29.09	0
9/25/20 18:15	3.734	133.3	38.03	13.02	29.09	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/25/20 18:30	4.098	130	12.87	12.85	29.09	0
9/25/20 18:45	5.055	136.3	9.01	12.95	29.09	0
9/25/20 19:00	4.562	133.8	15.21	13.14	29.1	0
9/25/20 19:15	5.356	135	16.96	13.12	29.1	0
9/25/20 19:30	4.442	173.6	34.78	13.18	29.1	0
9/25/20 19:45	5.04	192.2	13.36	13.08	29.1	0
9/25/20 20:00	4.212	176.4	11.15	12.72	29.14	0
9/25/20 20:15	5.63	144	7	12.35	29.14	0
9/25/20 20:30	7.186	150	5.53	12.21	29.14	0
9/25/20 20:45	7.067	145.5	6.217	11.88	29.14	0
9/25/20 21:00	5.727	127.5	13.2	11.79	29.14	0
9/25/20 21:15	4.02	121.1	8.05	11.56	29.14	0
9/25/20 21:30	5.704	129.2	10.19	11.62	29.14	0
9/25/20 21:45	6.498	154.5	11.14	11.77	29.14	0
9/25/20 22:00	5.185	164	9.92	11.75	29.14	0
9/25/20 22:15	5.679	155.1	5.726	11.88	29.14	0
9/25/20 22:30	7.452	163	15.42	12.13	29.14	0
9/25/20 22:45	8.04	180.4	6.484	12.27	29.14	0
9/25/20 23:00	6.605	170.1	13.56	12.21	29.18	0
9/25/20 23:15	6.388	175.7	9.7	12.18	29.18	0
9/25/20 23:30	5.181	189.3	9.73	12.12	29.18	0
9/25/20 23:45	7.401	191.3	10.54	12.11	29.18	0
9/26/20 0:00	6.255	182.2	9.53	12.01	29.2	0
9/26/20 0:15	2.842	128.2	18.85	11.72	29.2	0
9/26/20 0:30	3.634	150.9	12.19	11.68	29.2	0
9/26/20 0:45	4.877	145.1	8.1	11.82	29.2	0
9/26/20 1:00	7.679	146.9	9.09	11.85	29.21	0
9/26/20 1:15	7.096	153.2	9.29	12	29.21	0
9/26/20 1:30	7.858	147.6	10.15	12.09	29.21	0
9/26/20 1:45	7.992	151.7	10.65	11.94	29.21	0
9/26/20 2:00	6.205	153.4	6.602	11.78	29.21	0
9/26/20 2:15	5.242	155.7	11.66	11.64	29.21	0
9/26/20 2:30	4.623	180.1	21.24	11.68	29.21	0
9/26/20 2:45	3.304	151.1	19.14	11.49	29.21	0
9/26/20 3:00	2.849	144.9	20.05	11.19	29.23	0
9/26/20 3:15	2.793	116.7	7.009	11.08	29.23	0
9/26/20 3:30	3.144	119.5	11.4	11.41	29.23	0
9/26/20 3:45	3.129	128.9	13.86	11.62	29.23	0
9/26/20 4:00	2.95	139.2	19.11	11.62	29.25	0
9/26/20 4:15	2.672	131.5	20.69	11.62	29.25	0
9/26/20 4:30	2.851	147.7	18.49	11.73	29.25	0
9/26/20 4:45	3.379	142	11.19	11.52	29.25	0
9/26/20 5:00	4.832	131.1	7.746	11.42	29.24	0
9/26/20 5:15	5.623	142.6	10.4	11.38	29.24	0
9/26/20 5:30	6.272	170	10.65	11.27	29.24	0
9/26/20 5:45	6.451	174.4	8.17	11.46	29.24	0
9/26/20 6:00	6.066	165.1	15.95	11.51	29.26	0
9/26/20 6:15	4.244	137.2	12.07	11.12	29.26	0
9/26/20 6:30	4.058	132.4	13.53	11.53	29.26	0
9/26/20 6:45	4.844	144.4	11.34	11.68	29.26	0
9/26/20 7:00	6.125	153.9	7.326	11.63	29.25	0
9/26/20 7:15	3.68	152.6	18.15	12.48	29.25	0
9/26/20 7:30	4.337	155	18.74	13.11	29.25	0
9/26/20 7:45	4.888	144.4	21.08	13.62	29.25	0
9/26/20 8:00	5.684	166.7	17.41	13.27	29.28	0
9/26/20 8:15	6.614	194.4	13.14	13.4	29.28	0
9/26/20 8:30	9.85	196.5	12.42	13.75	29.28	0
9/26/20 8:45	11.69	206.1	11.27	13.83	29.28	0
9/26/20 9:00	12.32	198	12.7	13.89	29.3	0
9/26/20 9:15	10.72	189.4	11.1	13.92	29.3	0
9/26/20 9:30	12.51	192.6	10.11	14.03	29.3	0
9/26/20 9:45	10.92	186.9	11.27	14.24	29.3	0
9/26/20 10:00	12.42	186.5	12.22	14.63	29.29	0
9/26/20 10:15	12.64	185.3	9	14.99	29.29	0
9/26/20 10:30	12.55	188.9	10.08	15.17	29.29	0
9/26/20 10:45	12.79	179.1	10.29	15.18	29.29	0
9/26/20 11:00	12.3	183.4	14.52	15.48	29.31	0
9/26/20 11:15	10.69	198.9	15.25	15.96	29.31	0
9/26/20 11:30	11.5	207.4	12.33	16.14	29.31	0
9/26/20 11:45	12.82	201.6	12.43	16.15	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/26/20 12:00	12.37	210	13.97	16.31	29.29	0
9/26/20 12:15	15.24	221.6	8.43	15.95	29.29	0
9/26/20 12:30	11.73	220.1	9.71	15.89	29.29	0
9/26/20 12:45	10.31	220.6	9.09	15.77	29.29	0
9/26/20 13:00	9.26	221.1	10.25	15.4	29.3	0
9/26/20 13:15	7.821	231.6	17.51	14.71	29.3	0.01
9/26/20 13:30	9.02	238.4	21.78	14.3	29.3	0
9/26/20 13:45	15.31	213.8	8.08	13.32	29.3	0.02
9/26/20 14:00	8.97	203.5	11.53	12.83	29.3	0
9/26/20 14:15	7.348	167.4	21.14	12.71	29.3	0
9/26/20 14:30	5.969	130.3	13.92	12.61	29.3	0
9/26/20 14:45	6.621	122.8	9.64	12.74	29.3	0
9/26/20 15:00	8.38	156	14.08	12.92	29.32	0.01
9/26/20 15:15	8.32	147.8	10.69	12.96	29.32	0
9/26/20 15:30	7.927	141.9	9.13	12.95	29.32	0
9/26/20 15:45	8.26	151.1	9.03	13.27	29.32	0
9/26/20 16:00	10.44	166.2	16.44	13.52	29.34	0
9/26/20 16:15	6.924	152.5	16.51	13.53	29.34	0
9/26/20 16:30	6.882	156.2	10.29	13.57	29.34	0
9/26/20 16:45	8.5	157.2	8.12	13.46	29.34	0
9/26/20 17:00	7.121	152.1	9.17	13.52	29.35	0
9/26/20 17:15	8.88	172.3	10.1	13.4	29.35	0
9/26/20 17:30	8.97	170.9	9.5	13.34	29.35	0
9/26/20 17:45	7.79	156.4	7.327	13.13	29.35	0
9/26/20 18:00	8.38	156.9	6.104	13.01	29.36	0
9/26/20 18:15	7.757	153.8	6.524	12.94	29.36	0
9/26/20 18:30	6.211	167.4	9.54	12.98	29.36	0
9/26/20 18:45	6.395	176.6	8.47	13.04	29.36	0
9/26/20 19:00	8.79	178.4	7.932	13.01	29.37	0
9/26/20 19:15	7.725	175.6	7.95	13	29.37	0
9/26/20 19:30	7.655	160.7	7.945	12.8	29.37	0
9/26/20 19:45	6.487	168.8	9.03	12.83	29.37	0
9/26/20 20:00	8.14	160.8	8.72	12.77	29.39	0
9/26/20 20:15	8.78	153.3	7.247	12.8	29.39	0
9/26/20 20:30	8.47	154.9	7.252	12.73	29.39	0
9/26/20 20:45	7.654	153.6	7.006	12.66	29.39	0
9/26/20 21:00	6.58	151.9	7.904	12.67	29.41	0
9/26/20 21:15	7.626	149.4	8.46	12.58	29.41	0
9/26/20 21:30	7.551	163.2	7.83	12.1	29.41	0
9/26/20 21:45	5.121	150.5	21.38	11.87	29.41	0
9/26/20 22:00	3.434	139.4	15.94	12.01	29.43	0
9/26/20 22:15	2.497	151.9	13.47	11.93	29.43	0
9/26/20 22:30	5.099	160.1	6.358	11.78	29.43	0
9/26/20 22:45	5.294	161.7	8.55	11.55	29.43	0
9/26/20 23:00	7.758	177.2	6.826	11.87	29.44	0
9/26/20 23:15	7.031	173.3	6.535	11.87	29.44	0
9/26/20 23:30	4.96	159.7	8.39	11.67	29.44	0
9/26/20 23:45	4.569	167.6	7.098	11.7	29.44	0
9/27/20 0:00	5.45	179.6	6.245	11.79	29.47	0
9/27/20 0:15	5.6	178.9	7.493	11.74	29.47	0
9/27/20 0:30	3.796	161.3	8.96	11.6	29.47	0
9/27/20 0:45	3.129	150.3	11.06	11.6	29.47	0
9/27/20 1:00	2.309	159.6	12.85	11.6	29.5	0
9/27/20 1:15	3.475	157.2	19.68	11.68	29.5	0
9/27/20 1:30	4.448	181.9	8.98	11.93	29.5	0
9/27/20 1:45	4.035	187.6	6.038	11.84	29.5	0
9/27/20 2:00	4.295	189.8	5.396	11.81	29.51	0
9/27/20 2:15	4.252	198	1.609	11.87	29.51	0
9/27/20 2:30	2.795	201.1	4.766	11.82	29.51	0
9/27/20 2:45	1.039	184.4	8.06	11.67	29.51	0
9/27/20 3:00	1.653	139	22.7	11.58	29.54	0
9/27/20 3:15	1.591	87.7	21.91	11.5	29.54	0
9/27/20 3:30	2.95	102.3	9.41	11.39	29.54	0
9/27/20 3:45	3.634	141.4	12.87	11.44	29.54	0
9/27/20 4:00	3.577	182	16.28	11.38	29.54	0
9/27/20 4:15	3.159	204	10.8	11.48	29.54	0
9/27/20 4:30	1.858	233.1	8.5	11.48	29.54	0.01
9/27/20 4:45	0.982	16.76	39.37	11.09	29.54	0
9/27/20 5:00	0.142	44.31	0.377	11.05	29.56	0
9/27/20 5:15	1.713	36.42	14.63	11.2	29.56	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/27/20 5:30	0.936	67.56	3.449	11.18	29.56	0
9/27/20 5:45	1.208	33.06	23.21	10.93	29.56	0
9/27/20 6:00	1.645	41.41	26.8	10.79	29.58	0
9/27/20 6:15	2.668	13.39	4.382	10.37	29.58	0
9/27/20 6:30	2.873	10.21	10.92	10.08	29.58	0
9/27/20 6:45	2.699	341.6	3.427	10.56	29.58	0
9/27/20 7:00	0.954	9.44	24.12	11	29.6	0
9/27/20 7:15	1.866	35.44	8.45	11.15	29.6	0
9/27/20 7:30	2.216	30.17	15.52	11.5	29.6	0
9/27/20 7:45	2.09	39.95	19.22	11.73	29.6	0
9/27/20 8:00	2.541	19.16	4.117	11.44	29.64	0
9/27/20 8:15	2.269	18.63	10.39	11.9	29.64	0
9/27/20 8:30	1.629	23.9	10.34	12.44	29.64	0
9/27/20 8:45	0.465	67.95	7.048	13.79	29.64	0
9/27/20 9:00	1.395	175.3	57.51	13.72	29.64	0
9/27/20 9:15	1.911	225.3	23.68	13.75	29.64	0
9/27/20 9:30	1.13	162.3	25.6	14.37	29.64	0
9/27/20 9:45	2.824	120	28.46	14.83	29.64	0
9/27/20 10:00	1.23	214.2	84.6	14.96	29.66	0
9/27/20 10:15	1.574	54.39	81.3	15.21	29.66	0
9/27/20 10:30	2.368	235.8	57.55	15.51	29.66	0
9/27/20 10:45	3.03	308.6	24.21	15.53	29.66	0
9/27/20 11:00	4.598	307.8	18.43	16.24	29.64	0
9/27/20 11:15	5.566	310.2	12.47	16.52	29.64	0
9/27/20 11:30	4.791	334.8	32.39	16.23	29.64	0
9/27/20 11:45	6.292	19.54	13.91	16.99	29.64	0
9/27/20 12:00	6.382	22.51	11.25	17	29.62	0
9/27/20 12:15	6.771	12.4	15.62	17.45	29.62	0
9/27/20 12:30	6.887	5.365	31.85	17.92	29.62	0
9/27/20 12:45	8.81	13.77	12.51	18.02	29.62	0
9/27/20 13:00	8.73	0.393	14.87	17.97	29.62	0
9/27/20 13:15	9.41	16.99	12.44	18.14	29.62	0
9/27/20 13:30	7.504	22.93	14.89	18.16	29.62	0
9/27/20 13:45	8.36	23.33	9.4	18.42	29.62	0
9/27/20 14:00	6.881	10.86	13.27	18.58	29.62	0
9/27/20 14:15	6.528	5.608	17.42	18.81	29.62	0
9/27/20 14:30	7.628	17.75	10.61	18.88	29.62	0
9/27/20 14:45	8.55	14.66	17.03	18.75	29.62	0
9/27/20 15:00	7.738	5.858	15.8	18.85	29.61	0
9/27/20 15:15	8.91	5.677	12.73	18.79	29.61	0
9/27/20 15:30	9.17	2.502	13.89	18.75	29.61	0
9/27/20 15:45	8.85	355.1	16.28	18.74	29.61	0
9/27/20 16:00	8.22	352.9	16.87	18.55	29.6	0
9/27/20 16:15	8.23	352	14.46	18.42	29.6	0
9/27/20 16:30	8.86	352.3	13.08	18.19	29.6	0
9/27/20 16:45	8.04	355.5	14.33	18	29.6	0
9/27/20 17:00	7.786	356.4	14.49	17.78	29.58	0
9/27/20 17:15	8.89	350.9	11.29	17.47	29.58	0
9/27/20 17:30	8.5	353.5	13.25	17.11	29.58	0
9/27/20 17:45	7.422	342.2	7.733	16.89	29.58	0
9/27/20 18:00	6.847	348.8	11.77	16.42	29.6	0
9/27/20 18:15	7.71	6.565	7.888	15.87	29.6	0
9/27/20 18:30	6.474	11.15	10.83	15.33	29.6	0
9/27/20 18:45	6.987	10.25	10.63	14.8	29.6	0
9/27/20 19:00	8.53	6.696	12.99	15.03	29.62	0
9/27/20 19:15	9.15	2.866	11.51	15.09	29.62	0
9/27/20 19:30	9.47	12.65	9.45	14.85	29.62	0
9/27/20 19:45	10.03	12.01	10.37	14.57	29.62	0
9/27/20 20:00	8.33	14.27	12.04	14.49	29.6	0
9/27/20 20:15	7.226	12.38	12.67	14.26	29.6	0
9/27/20 20:30	8.53	12.7	10.77	14.2	29.6	0
9/27/20 20:45	6.023	33.39	8.29	13.5	29.6	0
9/27/20 21:00	5.543	30.57	9.75	13.67	29.59	0
9/27/20 21:15	5.108	22.61	7.501	13.22	29.59	0
9/27/20 21:30	5.562	19.79	7.988	12.89	29.59	0
9/27/20 21:45	4.927	29.97	9.12	12.56	29.59	0
9/27/20 22:00	4.679	34.32	5.504	12.17	29.58	0
9/27/20 22:15	4.839	37.17	6.12	12.05	29.58	0
9/27/20 22:30	4.607	28.38	9.36	12.12	29.58	0
9/27/20 22:45	4.784	23.52	7.611	11.57	29.58	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/27/20 23:00	4.963	9.2	8.68	11.65	29.6	0
9/27/20 23:15	3.974	19.78	4.958	11.52	29.6	0
9/27/20 23:30	3.636	11.92	9.5	11.33	29.6	0
9/27/20 23:45	5.075	5.852	12.63	11.68	29.6	0
9/28/20 0:00	3.539	22.17	5.249	12.01	29.57	0
9/28/20 0:15	3.802	7.34	6.392	11.29	29.57	0
9/28/20 0:30	3.664	21.14	8.51	10.52	29.57	0
9/28/20 0:45	3.343	10.72	11.81	10.59	29.57	0
9/28/20 1:00	4.619	7.301	6.118	10.31	29.59	0
9/28/20 1:15	5.675	16.18	11.59	10.41	29.59	0
9/28/20 1:30	5.258	23.49	9.91	10.4	29.59	0
9/28/20 1:45	5.011	22.25	8.63	10.26	29.59	0
9/28/20 2:00	5.045	23.14	6.904	9.95	29.56	0
9/28/20 2:15	5.861	30.16	10.77	9.97	29.56	0
9/28/20 2:30	6.011	15.02	8.46	10.01	29.56	0
9/28/20 2:45	5.139	6.064	13.26	10.15	29.56	0
9/28/20 3:00	5.321	18.87	9.99	9.64	29.53	0
9/28/20 3:15	4.188	19.59	9.78	9.64	29.53	0
9/28/20 3:30	3.609	23.62	14.73	9.64	29.53	0
9/28/20 3:45	3.967	8.3	5.886	9.98	29.53	0
9/28/20 4:00	2.388	21.55	6.887	9.95	29.53	0
9/28/20 4:15	3.525	20.9	8.81	9.69	29.53	0
9/28/20 4:30	3.936	16.09	5.434	9.54	29.53	0
9/28/20 4:45	4.724	17.83	6.034	9.13	29.53	0
9/28/20 5:00	5.627	20.08	6.765	8.98	29.53	0
9/28/20 5:15	5.28	20.19	8.75	8.87	29.53	0
9/28/20 5:30	5.257	26.68	6.157	8.93	29.53	0
9/28/20 5:45	5.707	26.9	9.92	8.98	29.53	0
9/28/20 6:00	7.911	28.32	8.73	9.04	29.54	0
9/28/20 6:15	6.539	30.31	8.61	9.12	29.54	0
9/28/20 6:30	6.613	38.26	8.33	9.19	29.54	0
9/28/20 6:45	5.751	18.52	10.06	9.24	29.54	0
9/28/20 7:00	6.378	12.01	7.085	9.34	29.54	0
9/28/20 7:15	5.701	20.32	7.926	9.47	29.54	0
9/28/20 7:30	4.269	21.88	6.392	9.78	29.54	0
9/28/20 7:45	3.194	24.83	6.294	10.23	29.54	0
9/28/20 8:00	3.88	23.88	7.295	10.57	29.51	0
9/28/20 8:15	3.224	26.21	7.108	10.91	29.51	0
9/28/20 8:30	2.545	23.66	6.784	11.53	29.51	0
9/28/20 8:45	1.604	5.297	18.8	12.53	29.51	0
9/28/20 9:00	1.766	76.61	49.95	13.76	29.51	0
9/28/20 9:15	1.699	189.5	34.57	14.18	29.51	0
9/28/20 9:30	2.156	69.14	42.61	15.21	29.51	0
9/28/20 9:45	1.896	23.91	15.38	15.13	29.51	0
9/28/20 10:00	2.342	359.5	35.48	15.77	29.5	0
9/28/20 10:15	2.945	357.8	32.52	16.18	29.5	0
9/28/20 10:30	3.338	345.7	20.52	16.72	29.5	0
9/28/20 10:45	3.278	43.65	27.91	17.2	29.5	0
9/28/20 11:00	3.926	28.06	14.31	17.58	29.49	0
9/28/20 11:15	4.466	41.06	13.27	17.85	29.49	0
9/28/20 11:30	3.567	26.94	23.5	18.56	29.49	0
9/28/20 11:45	2.627	40.54	19.99	19.07	29.49	0
9/28/20 12:00	3.505	26.11	19.09	19.73	29.49	0
9/28/20 12:15	4.284	18.83	18.78	20.16	29.49	0
9/28/20 12:30	4.345	18.81	14.85	20.58	29.49	0
9/28/20 12:45	5.052	22.1	12.97	20.86	29.49	0
9/28/20 13:00	4.832	31.79	14.46	21.18	29.44	0
9/28/20 13:15	4.221	25.41	14.91	21.58	29.44	0
9/28/20 13:30	5.904	25.67	9.65	21.81	29.44	0
9/28/20 13:45	6.419	18.97	11.37	21.81	29.44	0
9/28/20 14:00	6.43	23.11	11.93	21.9	29.44	0
9/28/20 14:15	6.105	18.31	16.44	22.36	29.44	0
9/28/20 14:30	7.993	20.63	10.76	22.32	29.44	0
9/28/20 14:45	6.689	18.6	11.41	22.46	29.44	0
9/28/20 15:00	6.762	17.36	15.05	22.65	29.42	0
9/28/20 15:15	7.49	19.14	10.98	22.69	29.42	0
9/28/20 15:30	8.34	15.72	10.58	22.79	29.42	0
9/28/20 15:45	9.04	13.25	10.73	22.61	29.42	0
9/28/20 16:00	8.67	6.746	11.95	22.61	29.38	0
9/28/20 16:15	7.749	7.474	11.86	22.53	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/28/20 16:30	9.26	7.331	10.57	22.31	29.38	0
9/28/20 16:45	8.01	4.154	12.67	22.14	29.38	0
9/28/20 17:00	8.5	6.946	10.38	21.81	29.38	0
9/28/20 17:15	7.975	6.947	8.78	21.35	29.38	0
9/28/20 17:30	7.686	11.28	9.99	20.81	29.38	0
9/28/20 17:45	8.46	14.73	7.746	20.11	29.38	0
9/28/20 18:00	8.87	13.4	8.36	19.69	29.37	0
9/28/20 18:15	9.59	16.24	9.25	19.23	29.37	0
9/28/20 18:30	11.42	20.66	9.02	19.05	29.37	0
9/28/20 18:45	11.34	19	8.54	18.67	29.37	0
9/28/20 19:00	13.11	20.28	7.653	18.4	29.34	0
9/28/20 19:15	10.08	17.91	8.83	18.03	29.34	0
9/28/20 19:30	10.46	17.35	8.07	17.46	29.34	0
9/28/20 19:45	11.78	19.48	8.4	17.36	29.34	0
9/28/20 20:00	13.27	20.06	8.44	17.23	29.35	0
9/28/20 20:15	12.65	17.29	10.09	17.31	29.35	0
9/28/20 20:30	12.62	17.02	10.69	17.12	29.35	0
9/28/20 20:45	12.05	23.93	9.13	16.76	29.35	0
9/28/20 21:00	11.8	23.4	7.475	16.19	29.35	0
9/28/20 21:15	9.98	25.22	7.4	15.88	29.35	0
9/28/20 21:30	7.217	23.2	7.409	15.65	29.35	0
9/28/20 21:45	12.25	26.56	9.04	15.54	29.35	0
9/28/20 22:00	14.13	22.17	8.19	15.24	29.32	0
9/28/20 22:15	10.87	19.28	8.65	14.99	29.32	0
9/28/20 22:30	9.02	21.46	7.205	14.76	29.32	0
9/28/20 22:45	6.769	22.37	8.8	14.64	29.32	0
9/28/20 23:00	7.139	20.53	7.183	14.4	29.33	0
9/28/20 23:15	9.39	25.02	8.5	14.17	29.33	0
9/28/20 23:30	8.63	26.04	7.381	13.72	29.33	0
9/28/20 23:45	8.56	21.47	7.728	13.54	29.33	0
9/29/20 0:00	5.302	25.58	5.191	13.28	29.33	0
9/29/20 0:15	3.549	22.97	8.14	13.18	29.33	0
9/29/20 0:30	7.176	26.72	7.266	13.07	29.33	0
9/29/20 0:45	9.48	24.85	8.51	13.07	29.33	0
9/29/20 1:00	7.752	23.8	7.521	12.89	29.32	0
9/29/20 1:15	5.986	21.56	6.263	12.67	29.32	0
9/29/20 1:30	4.955	17.94	8.9	12.62	29.32	0
9/29/20 1:45	6.036	23.12	8.16	12.48	29.32	0
9/29/20 2:00	6.232	27.77	8.3	12.34	29.31	0
9/29/20 2:15	8.26	27.55	8.52	12.23	29.31	0
9/29/20 2:30	7.236	22.67	8.27	12.16	29.31	0
9/29/20 2:45	7.415	23.24	6.788	12.05	29.31	0
9/29/20 3:00	7.636	15.99	8.85	12.19	29.28	0
9/29/20 3:15	7.66	24.21	7.389	12.19	29.28	0
9/29/20 3:30	6.656	21.86	8.19	12.39	29.28	0
9/29/20 3:45	6.359	16.5	7.953	12.72	29.28	0
9/29/20 4:00	4.081	16.75	9.43	12.15	29.28	0
9/29/20 4:15	2.632	5.29	14.32	11.93	29.28	0
9/29/20 4:30	5.397	25.62	7.2	11.89	29.28	0
9/29/20 4:45	5.218	17.14	5.883	11.71	29.28	0
9/29/20 5:00	5.505	22.1	5.602	11.69	29.28	0
9/29/20 5:15	5.484	25.39	9.65	11.59	29.28	0
9/29/20 5:30	7.831	19.81	9.06	11.4	29.28	0
9/29/20 5:45	5.433	24.63	7.922	11.21	29.28	0
9/29/20 6:00	1.025	12.88	12.37	11.2	29.26	0
9/29/20 6:15	0.102	342.6	3.84	11.3	29.26	0
9/29/20 6:30	1.598	26.51	6.42	11.11	29.26	0
9/29/20 6:45	3.735	21.33	7.692	10.85	29.26	0
9/29/20 7:00	4.971	29.42	7.212	10.94	29.28	0
9/29/20 7:15	6.019	22.24	5.785	11.08	29.28	0
9/29/20 7:30	3.457	23.81	6.46	11.51	29.28	0
9/29/20 7:45	3.671	32	6.715	12.06	29.28	0
9/29/20 8:00	5.024	29.6	6.235	11.85	29.26	0
9/29/20 8:15	3.883	34.69	7.061	11.86	29.26	0
9/29/20 8:30	1.918	32.8	11.94	12.45	29.26	0
9/29/20 8:45	1.982	32.87	17.27	13.5	29.26	0
9/29/20 9:00	1.103	275	61.63	14.52	29.29	0
9/29/20 9:15	2.487	22.49	48.92	14.88	29.29	0
9/29/20 9:30	4.012	26	7.426	14.12	29.29	0
9/29/20 9:45	3.505	26.57	11.63	14.32	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/29/20 10:00	3.541	40.95	11.79	15.11	29.29	0
9/29/20 10:15	3.582	39.96	8.54	15.21	29.29	0
9/29/20 10:30	3.789	29.12	9.21	15.85	29.29	0
9/29/20 10:45	3.332	46.66	11.79	16.55	29.29	0
9/29/20 11:00	3.345	43.35	17.09	17.37	29.26	0
9/29/20 11:15	2.854	56.01	21.39	18.63	29.26	0
9/29/20 11:30	3.63	54.71	15.76	18.9	29.26	0
9/29/20 11:45	3.891	44.3	16.63	19.16	29.26	0
9/29/20 12:00	4.131	30.92	12.62	19.64	29.26	0
9/29/20 12:15	4.055	42.34	11.43	20.47	29.26	0
9/29/20 12:30	4.521	47.45	18.3	21.04	29.26	0
9/29/20 12:45	4.694	32.39	13.61	21.45	29.26	0
9/29/20 13:00	5.077	31.1	15.78	21.87	29.24	0
9/29/20 13:15	5.262	33.05	12.03	22.44	29.24	0
9/29/20 13:30	5.583	30.64	13.69	22.74	29.24	0
9/29/20 13:45	5.577	26.57	9.88	22.91	29.24	0
9/29/20 14:00	5.576	22.37	13	23.51	29.22	0
9/29/20 14:15	5.129	20.78	9.65	23.72	29.22	0
9/29/20 14:30	4.777	26.61	14.43	23.92	29.22	0
9/29/20 14:45	4.928	32.49	8.18	23.94	29.22	0
9/29/20 15:00	5.817	29.64	8.45	24.05	29.22	0
9/29/20 15:15	4.571	23.59	12.74	24.33	29.22	0
9/29/20 15:30	4.824	19.53	11.59	24.49	29.22	0
9/29/20 15:45	4.524	20.45	10.5	24.38	29.22	0
9/29/20 16:00	4.506	26.89	8.81	24.33	29.23	0
9/29/20 16:15	3.269	19.68	7.519	24.39	29.23	0
9/29/20 16:30	1.614	41.29	8.41	24.54	29.23	0
9/29/20 16:45	2.096	11.08	5.191	24.46	29.23	0
9/29/20 17:00	2.057	0.031	12.65	24.24	29.21	0
9/29/20 17:15	1.048	334.1	5.538	24.47	29.21	0
9/29/20 17:30	2.486	260.6	15.51	23.75	29.21	0
9/29/20 17:45	2.888	268.8	7.135	22.7	29.21	0
9/29/20 18:00	1.051	282.8	5.455	22.33	29.23	0
9/29/20 18:15	0.155	315.1	2.236	22.2	29.23	0
9/29/20 18:30	0.454	326.7	4.216	21.75	29.23	0
9/29/20 18:45	0.996	27.46	7.216	21.56	29.23	0
9/29/20 19:00	2.088	35.93	0.458	20.3	29.23	0
9/29/20 19:15	1.21	35.45	1.018	19.98	29.23	0
9/29/20 19:30	0.884	38.19	1.031	19.76	29.23	0
9/29/20 19:45	1.182	51.35	10.48	19.59	29.23	0
9/29/20 20:00	2.47	68.46	4.627	19.09	29.24	0
9/29/20 20:15	1.211	96.1	5.192	18.73	29.24	0
9/29/20 20:30	0	0	0	18.91	29.24	0
9/29/20 20:45	0	0	0	18.37	29.24	0
9/29/20 21:00	0.374	45.45	18.4	18.62	29.25	0
9/29/20 21:15	1.368	34.55	0.524	18.65	29.25	0
9/29/20 21:30	1.389	36.2	0.221	18.58	29.25	0
9/29/20 21:45	0	0	0	19.11	29.25	0
9/29/20 22:00	1.179	163.1	22.13	18.72	29.26	0
9/29/20 22:15	1.334	151.7	13.37	19	29.26	0
9/29/20 22:30	1.417	43.93	6.414	18.1	29.26	0
9/29/20 22:45	2.179	33.27	7.13	18.24	29.26	0
9/29/20 23:00	2.491	25.86	5.817	18.12	29.27	0
9/29/20 23:15	2.265	31.33	5.319	17.58	29.27	0
9/29/20 23:30	2.558	27.56	4.048	17.1	29.27	0
9/29/20 23:45	2.599	25.31	4.447	16.92	29.27	0
9/30/20 0:00	2.185	40.1	17.11	16.4	29.26	0
9/30/20 0:15	3.363	32.9	6.894	16.53	29.26	0
9/30/20 0:30	1.891	51.32	6.876	17.31	29.26	0
9/30/20 0:45	3.795	90.1	15.03	17.56	29.26	0
9/30/20 1:00	3.889	100.7	7.993	18.13	29.29	0
9/30/20 1:15	3.41	146.9	18.31	17.66	29.29	0
9/30/20 1:30	1.892	162.7	24.8	17.04	29.29	0
9/30/20 1:45	3.331	159.4	8.56	17.38	29.29	0
9/30/20 2:00	4.248	176.8	6.445	17.64	29.3	0
9/30/20 2:15	2.449	138.6	13.54	17.14	29.3	0
9/30/20 2:30	2.022	120.4	14.27	17.23	29.3	0
9/30/20 2:45	3.607	153.8	7.905	17.63	29.3	0
9/30/20 3:00	3.589	143.3	6.714	17.21	29.29	0
9/30/20 3:15	3.529	102.9	25.08	17.14	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/30/20 3:30	2.579	86.6	13.82	17.64	29.29	0
9/30/20 3:45	0.55	86.4	2.568	16.36	29.29	0
9/30/20 4:00	2.966	108.8	14.22	16.81	29.32	0
9/30/20 4:15	4.484	112.7	15.44	16.98	29.32	0
9/30/20 4:30	3.931	90.2	11.12	16.42	29.32	0
9/30/20 4:45	3.09	96	20.58	17.01	29.32	0
9/30/20 5:00	3.011	94.5	13.91	16.49	29.3	0
9/30/20 5:15	2.5	99.9	12.69	16.42	29.3	0
9/30/20 5:30	4.884	109.6	8.42	16.34	29.3	0
9/30/20 5:45	3.165	124.4	5.318	17.12	29.3	0
9/30/20 6:00	2.077	102.4	13.12	16.88	29.33	0
9/30/20 6:15	2.339	30.91	24.72	16.78	29.33	0
9/30/20 6:30	0.315	6.277	5.813	17.27	29.33	0
9/30/20 6:45	1.319	298.3	11.68	17.68	29.33	0
9/30/20 7:00	0.886	199.1	47.67	15.98	29.32	0
9/30/20 7:15	1.937	182.5	8.82	16.56	29.32	0
9/30/20 7:30	1.748	183.1	13.18	17.26	29.32	0
9/30/20 7:45	0.969	67.83	28.14	15.88	29.32	0
9/30/20 8:00	0.322	41.74	0.07	16.19	29.34	0
9/30/20 8:15	1.194	323.6	19.36	16.96	29.34	0
9/30/20 8:30	3.078	274	9.61	16.91	29.34	0
9/30/20 8:45	2.181	314.9	3.68	17.53	29.34	0
9/30/20 9:00	0.788	314.1	12.26	17.66	29.36	0
9/30/20 9:15	0.785	345.3	25.33	18	29.36	0
9/30/20 9:30	0.38	10.86	3.914	17.91	29.36	0
9/30/20 9:45	1.313	75.57	62.56	18.37	29.36	0
9/30/20 10:00	1.247	267.2	43.32	18.62	29.39	0
9/30/20 10:15	1.148	16.89	48.56	18.79	29.39	0
9/30/20 10:30	2.836	193	19.96	19.11	29.39	0
9/30/20 10:45	2.614	205	11.91	18.74	29.39	0
9/30/20 11:00	1.983	199	20.03	19.25	29.39	0
9/30/20 11:15	2.191	178.2	20.87	19.94	29.39	0
9/30/20 11:30	2.508	198.2	13.24	20.24	29.39	0
9/30/20 11:45	2.06	230.5	20.02	20.4	29.39	0
9/30/20 12:00	1.434	239.7	24.62	21.15	29.38	0
9/30/20 12:15	2.189	227.5	16.75	21.37	29.38	0
9/30/20 12:30	2.099	241.9	19.35	21.87	29.38	0
9/30/20 12:45	1.868	264.2	26.97	22.47	29.38	0
9/30/20 13:00	2.478	297	12.75	22.89	29.39	0
9/30/20 13:15	2.048	316.5	35.23	23.04	29.39	0
9/30/20 13:30	0.806	289	53.96	23.94	29.39	0
9/30/20 13:45	1.428	256.9	34.79	23.82	29.39	0
9/30/20 14:00	2.689	293.8	26.75	24.01	29.39	0
9/30/20 14:15	2.198	299.6	43.7	23.86	29.39	0
9/30/20 14:30	3.266	28.49	10.64	23.48	29.39	0
9/30/20 14:45	2.439	31.06	8.53	23.39	29.39	0
9/30/20 15:00	2.265	17	13.36	23.46	29.37	0
9/30/20 15:15	1.984	358.4	12.14	23.64	29.37	0
9/30/20 15:30	3.176	7.727	26.43	23.43	29.37	0
9/30/20 15:45	2.379	33.27	8.15	22.81	29.37	0
9/30/20 16:00	2.17	10.54	13.64	22.77	29.36	0
9/30/20 16:15	1.136	358.7	4.22	22.86	29.36	0
9/30/20 16:30	4.804	285.7	12.33	22.9	29.36	0
9/30/20 16:45	7.427	298.5	6.451	22.36	29.36	0
9/30/20 17:00	4.232	334.6	34.15	21.76	29.36	0
9/30/20 17:15	1.634	25.48	2.689	21.17	29.36	0
9/30/20 17:30	1.743	3.245	16.01	21.13	29.36	0
9/30/20 17:45	3.552	275.1	16.75	20.6	29.36	0
9/30/20 18:00	3.312	307.3	20.87	20.33	29.35	0
9/30/20 18:15	3.082	32.48	19.72	19.95	29.35	0
9/30/20 18:30	3.913	41.37	7.547	19.39	29.35	0
9/30/20 18:45	3.879	51.93	9.23	19.27	29.35	0
9/30/20 19:00	3.15	91.5	7.617	18.47	29.35	0
9/30/20 19:15	2.174	88.2	6.18	19.01	29.35	0
9/30/20 19:30	2.58	126.9	10.94	19.39	29.35	0
9/30/20 19:45	2.382	126.7	3.385	19.23	29.35	0
9/30/20 20:00	1.644	104.5	22.34	18.67	29.37	0
9/30/20 20:15	1.944	35.37	22.48	18.4	29.37	0
9/30/20 20:30	2.267	17.18	4.376	18.55	29.37	0
9/30/20 20:45	2.479	13.01	9.13	18.56	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
9/30/20 21:00	2.528	16.83	11.76	17.94	29.39	0
9/30/20 21:15	2.593	30.9	10.66	17.42	29.39	0
9/30/20 21:30	2.682	13.63	10.38	17.94	29.39	0
9/30/20 21:45	2.427	3.02	4.407	17.55	29.39	0
9/30/20 22:00	2.284	18.59	6.294	17.07	29.39	0
9/30/20 22:15	1.636	49.71	25.86	17.02	29.39	0
9/30/20 22:30	1.202	154.6	33.94	16.76	29.39	0
9/30/20 22:45	4.356	200.9	8	17.63	29.39	0
9/30/20 23:00	3.267	192.6	10.19	17.77	29.38	0
9/30/20 23:15	1.893	169.5	11.95	18.1	29.38	0
9/30/20 23:30	1.808	163.5	10.61	17.5	29.38	0
9/30/20 23:45	2.055	170.5	12.46	17.02	29.38	0
10/1/20 0:00	2.493	156.6	5.805	17.12	29.37	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL
AREA 5 TOP DECK
MONITORING REPORT

Third Quarter 2020

King County

Department of Natural Resources and Parks
Solid Waste Division

November 2020
Printed on recycled paper

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AREA 5 TOP DECK MONITORING
QUARTERLY REPORT

THIRD QUARTER 2020

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 no longer able to monitor leachate volume from Area 5. 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 also included in Table 1.

TABLE 1
CEDAR HILLS REGIONAL LANDFILL LEACHATE PRODUCTION for THIRD QUARTER of 2020

Time	Leachate	Surface Area of Refuse	Refuse In Place	Precipitation	Flow			
(year)	(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	218.18	353.12*	63,183,738,844	57.54	617,853	10,738	0.0035	0.00006
2018	175.71	353.12*	64,999,044,304	33.83	497,597	14,709	0.0027	0.00008
2019	165.27	353.12*	66,781,588,304	45.71	468,018	10,239	0.0025	0.00005
2020	129.44	353.12*	67,805,682,304	35.12	366,558	10,437	0.0019	0.00005

2020: Precipitation and leachate through 3rd Quarter of 2020. Refuse in place through July 2020.

* 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 (3) 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 KCSWD staff. During the third quarter of 2020 all inspections and maintenance work was performed by KCSWD staff as planned. A summary of this work can be found in Appendix A: Inspection Reports.

Also throughout the third quarter of 2020, KCSWD staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the third quarter, erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities at the landfill.

No inspections were performed by Public Health – Seattle & King County (PHSKC) this quarter.

Air Quality Criteria

Each quarter, surface emission monitoring is conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The third quarter of 2020 surface emission monitoring was conducted from September 15 through September 24, 2020.

There were no exceedances of regulatory criteria observed during the Serpentine Walk in Area 5.

The results from the third quarter of 2020 surface emission 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 third quarter of 2020 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. Due to the preparation work for the closure of Area 7 and the opening on Area 8, fall previously surveyed control points in Area 5 were covered. Recently added monitoring location PMX2015 was added as a replacement for PMX20074. Other alternate locations are currently being evaluated as survey control points in order to continue settlement monitoring within Area 5. Monitoring locations can be viewed in figure 1 while historical data can be viewed in table 2 (surface elevation data) and table 3 (settlement data).

TABLE 2

CEDAR HILLS REGIONAL LANDFILL AREA 5 SURFACE SURVEY DATA for THIRD QUARTER of 2020

A5SM-1 [a]		A5SM-2		A5SM-3 [b]		PMX20074 [c]		PMX2015 [d]	
Date	**Elevation**	**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	--	--	4/6/2015	770.48
--	--	7/2/2015	760.96	7/2/2015	777.38	--	--	7/2/2015	770.31
--	--	10/27/2015	760.62	10/27/2015	777.12	--	--	10/27/2015	770.1
--	--	2/3/2016	760.35	2/3/2016	776.83	--	--	2/3/2016	769.87
--	--	4/12/2016	760.35	4/12/2016	776.87	--	--	4/12/2016	769.86
--	--	7/11/2016	760.15	7/11/2016	776.68	--	--	7/11/2016	769.76
--	--	12/21/2016	759.85	12/21/2016	776.43	--	--	12/21/2016	769.57
--	--	5/31/2017	759.56	5/31/2017	776.23	--	--	5/31/2017	769.27
--	--	8/28/2017	759.38	--	--	--	--	8/28/2017	769.16
--	--	11/27/2017	759.28	--	--	--	--	11/27/2017	769
--	--	2/15/2018	759.10	--	--	--	--	2/15/2018	768.96
--	--	9/4/2018	758.61	--	--	--	--	9/4/2018	768.6
		12/15/2018	758.55					12/15/2018	768.6
--	--	2/10/2019	758.44	--	--	--	--	2/10/2019	768.54
--	--	10/31/2019	757.94	--	--	--	--	10/31/2019	768.17
--	--	3/3/2020	757.71	--	--	--	--	3/3/2020	767.98
--	--	5/28/2020	757.63	--	--	--	--	5/28/2020	767.91
--	--	8/12/2020	757.49	--	--	--	--	8/12/2020	767.83

[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.

[d] PMX2015 NEW 04/06/2015; it's the same location as PMX20074

TABLE 3

CEDAR HILLS REGIONAL LANDFILL AREA 5 SETTLEMENT for THIRD QUARTER of 2020

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	05/2017- 02/2018	02/2018- 02/2019	02/2019- 03/2020
[a] 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	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	0.46	0.66	0.73
[b] A5SM-3	Feet	N/A	1.37	1.26	1.27	1.12	0.97	0.60	1.41	0.05	0.8	0.6	N/A	N/A	N/A
[c] PMX20074	Feet	N/A	2.43	2.14	1.7	1.1	0.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[d] PMX2015	Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.6	0.31	0.42	0.56
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	0.66	0.38	0.54	0.64
	Feet/Month	0.33	0.19	0.17	0.14	0.11	0.10	0.08	0.13	0.05	0.07	0.04	0.05	0.05	0.05

[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.

[d] PMX2015 NEW 04/06/2015; it's the same location as PMX20074

IV. STORMWATER SAMPLING

Collection of Samples

No samples were collected from the Area 5 Top Deck stormwater monitoring stations SW-TD1, SW-TD2, SW-TD4, and SW-TD6 during the third quarter of 2020. This was due to multiple factors including low precipitation throughout the latter half of third quarter. Therefore, no comparisons can be made with the surface water or leachate sample data, nor can a review be performed for evaluating the runoff from Area 5 for the third quarter of 2020.

V. CONCLUSION

Stormwater samples for the Area 5 Top Deck were unable to be collected during the third quarter of 2020 due to multiple factors, including lack of sufficient precipitation during the quarter. This observation was in line with the overall regional precipitation levels for the summer months. Therefore, no determinations can be made regarding Area 5's third quarter 2020 stormwater runoff with respect to exceedances of water quality criteria or benchmarks, nor can comparisons be made with background surface water flow (from SW-S1), and leachate effluent (from LV1A).

The inspection reports for the third quarter of 2020 showed no issues with the interim cover system for Area 5 and no indication of LFG presence.

Due to survey control points being covered, there is no recent settlement survey data for third quarter of 2020. New survey points will be assessed for future monitoring.

The recent compliant historical performance trend for Area 5, coupled with ongoing inspection results verifying the integrity of the cover 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


N
200 100 50 0 200 400
GRAPHIC SCALE IN FEET
A4SM–3
PP–6A
PP–23A
PMX2015
REPLACED PMX2074
13HUB
(DESTROYED 2007)
AIRHUB
PMX2074
(DESTROYED 2012)
PP–5
A5SM–2
A5SM–3
(DESTROYED 8–2007)
CONCBLK
A5SM–1
(DESTROYED 2012)
A6SM–1
(DESTROYED 8–2014)
A6SM–2
(DESTROYED 8–2014)
LEGEND:
MONITORING STATION

N

W — E

100 0 100 200

SCALE IN FEET

AREA 5 TOP DECK STORMWATER MONITORING STATION

STATION NUMBER	STATION DESCRIPTION
SW–A5TD1	NORTHEAST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK EXITS AN 18–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD2	NORTH SLOPE OF AREA 5 WHERE RUNOFF, FROM THE NORTH SLOPE FLOWING IN A ROADSIDE DITCH, DRAINS INTO A 12–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD3*	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH AT THE OUTLET END OF A TEMPORARY 12–INCH PIPE. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE WEST SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED.
SW–A5TD4	CENTER OF THE WEST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK DRAINS INTO THE "VALLEY" RUNNING EAST TO WEST. SAMPLING TO BE PERFORMED AT THE INLET OF THE "VALLEY" DITCH.
SW–A5TD5*	THE OUTLET END OF A TEMPORARY 12–INCH HDPE PIPE THAT CONVEYS RUNOFF FROM THE SOUTHWEST CORNER OF THE AREA 5 TOP DECK. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE SOUTH SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED, BECAUSE FLOW IN THE ROADSIDE DITCH AT THIS LOCATION WILL NO LONGER CONTAIN RUNOFF FROM THE AREA 5 TOP DECK.
SW–A5TD6	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH. THIS SAMPLE POINT RECEIVES TOP DECK FLOW FROM TWO SIDESLOPE DITCHES THAT INTERSECT AT THE SAMPLE LOCATION.

*STATIONS SW–A5TD3 AND SW–A5TD5 WERE TEMPORARY STORMWATER MONITORING STATIONS THAT CEASED TO EXIST AS OF JULY 16, 2007.

LEGEND:

STORMWATER MONITORING STATION

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

Figure 1
Area 5 Top Deck
Stormwater Monitoring Stations

Cedar Hills Regional Landfill
Area 5 Stage 4 Final Closure
King County, Washington

Appendix A:
Inspection Reports

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SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 7/20/2020 9:00 am

Location: Cedar Hills Ambient Temperature: (68ºF) Weather Condition: Sunny

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			**1.** Fueling Stations	X			**1.** Road Sweeping	X		
2. Collection Piping	X			**2.** Vehicle Wash Stations	X			**2.** Access Roads	X		
3. Extraction Wells	X			**3.** Equipment	X			**3.** Road Erosion	X		
4. Monitoring Probes	X			**4.** Perimeter Fences	X			**4.** Road Pavement	X		
5. Valve Stations	X			**5.** Vegetation		X		**5.** Lane Striping	X		
6. North Flare Station	X			**6.** Landfill Cover		X					
7. Migration Flare	X			**7.** Drain Rock	X						
8. Noise Control	X			**8.** Air Quality	X			**F. Other Items**	X		
9. Air Compressors	X			**9.** Stockpiles		X					
				10. Vectors	X						
B. Leachate System				**11.** Litter	X						
1. Pump Station 1	X			**12.** Dust Control	X						
2. Pump Station 2	X			**13.** Other		X					
3. Pump Station 3	X										
4. Pump Station 4	X			**D. Stormwater System**							
5. Lagoon Facilities	X			**1.** CSW Pond	X						
6. Lagoon Aerators	X			**2.** North Siltation Pond	X						
7. Collection System:				**3.** North SW Lagoon	X						
a. Collection Pipes	X			**4.** South SW Lagoon	X						
b. Force Mains	X			**5.** South Siltation Pond	X						
c. Manholes	X			**6.** Sand Filter		X					
d. Cleanouts	X			**7.** CB/ Control Structures	X						
8. Generators	X			**8.** Pipes/Culverts	X						
9. Extraction Wells	X			**9.** Trash Racks	X						
10. Valves/Cleanouts	X			**10.** Ditches		X					
11. Groundwater	X			**11.** Best Management		X					
				12. Compliance Points	X						
				13. Other							

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	C6	A8	G2		X		Gullies in northwest corner of Area 8 need to be filled and compacted.	
2	D10	A7	G3		X		Hole in asphalt of south CSW ditch of Area 7. Fill in holes.	
3	C6/9	SP	G4		X		Slope failure on portion of west slope of Area 8. Redo slope when weather is permitting.	
4	D10	A8	H2		X		South stormwater ditch of Area 8 needs to be re-staked and repaired. Will be addressed in upcoming CSW work.	
5	D11	A8	H2		X		Construction fence south of Area 8 needs to be removed.	
6	C5/6	A6	F5		X		Bare slopes on southeast corner of Area 6 needs to be hydro-seeded, filled and compacted.	
7	D11	A6			X		Broken sediment fences around Area 6 need to be removed or repaired.	
8	D11	A5	C3		X		Broken sediment fences on Area 5 need to be removed or repaired.	
9	C13		A4		X		Broken fence on west side of fence around North Lined (Stormwater) Pond. Needs to be repaired.	
10	D6		I3		X		Sand filter valve screen needs to be resized.	
11	D11		I4		X		Sediment fences around Pump Station 4 need to be removed or repaired.	
12	C5/6	A7	F2		X		Rills on west slope of Area 7 need to be filled, compacted and hydro-seeded. Also in northwest corner.	
13	C5	A7	F2		X		Bare slopes on the south side of Area 7 need to be hydro-seeded.	

14	**C5/6**	**A7**	**F4**		X		Bare patches and rills on the east slope of Area 7 needs to be filled, compacted and hydro-seeded.	
15	**C5**	**A6**			X		Bare patches on the west slope of Area 6 need to be hydro-seeded.	
16	**C13**	**A7**	**F2**		X		Plastic sheeting on west slope of Area 7 needs to be removed.	
17	**D10**	**A6**	**F4**		X		Plastic sheeting in south stormwater ditch of Area 6 needs to be repositioned.	
18	**D11**		**G5**		X		Repaint “Only Rain Down the Drain Signs” over stormwater drains.	

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

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

1. *Emergency*
2. *Regulatory Priority*

3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:
Overall the site is maintained. There are rills in the northwest corner of Area 8, the east slope of Area 7, the northwest corner of Area 7 and the west slope of Area 7 have rills that need to be filled, compacted and hydro-seeded. Holes in asphalt of south stormwater ditch of Area 7 needs to be filled in. Slope failure adjacent to Area 8 work needs to be performed on this slope to fix the slope failure. South stormwater ditch of Area 8 needs to be restaked and repaired. This will be addressed during the upcoming CSW work. Construction and sediment fences around Areas 5, 6 and 8 and Pump Station 4 need to be removed and repaired if possible for reuse. Bare slopes on the south slope of Area 6, the west slope of Area 6 and the south slope of Area 7 need to be hydro-seeded. The fence around the north stormwater (lined) pond is broken at a post on the west side and needs to be repaired. The grit screen is not over the sand filter valve because it is undersized. Need to coordinate with the shop to alter grate to go over the valve. Plastic sheeting on the west slope of Area 7 needs to be removed and replaced if still needed. Repaint "Only Rain Down the Drain Signs". There is plastic sheeting on the south stormwater ditch of Area 6 needs to be repositioned.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\07 - Jul\Photos

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

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y** / **N** Site Map **Y** / **N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: ___7/20/2020_____ SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

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

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

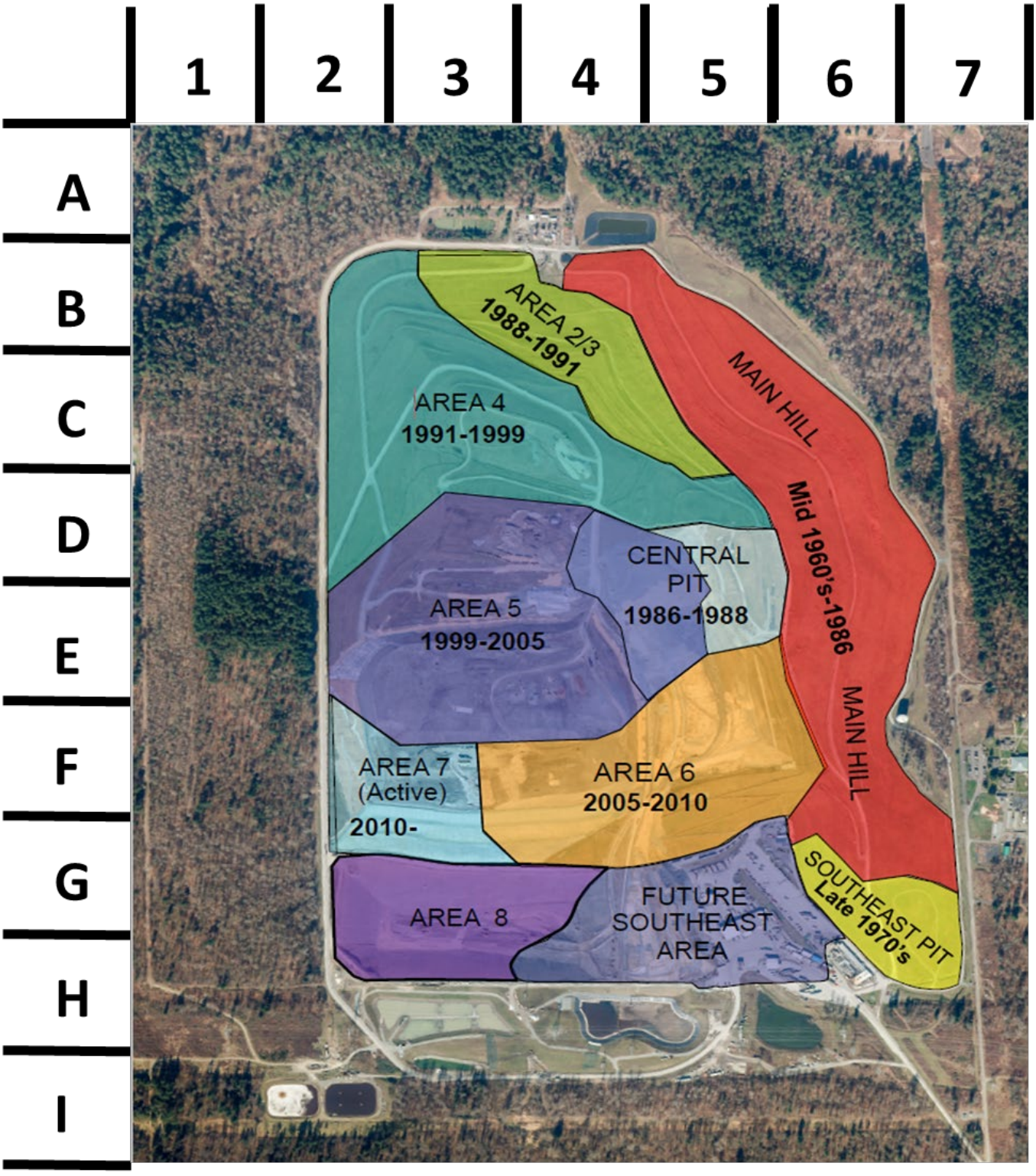
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: Sterling Bath

Signature: Sterling Bath Date: 7/28/2020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A
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E
F
G
H
I
AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 8/20/20 8:00 am

Location: Cedar Hills Ambient Temperature: (ºF67F) Weather Condition: Partly Cloudy

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			**1.** Fueling Stations	X			**1.** Road Sweeping	X		
2. Collection Piping	X			**2.** Vehicle Wash Stations	X			**2.** Access Roads	X		
3. Extraction Wells	X			**3.** Equipment	X			**3.** Road Erosion	X		
4. Monitoring Probes	X			**4.** Perimeter Fences	X			**4.** Road Pavement	X		
5. Valve Stations	X			**5.** Vegetation	X			**5.** Lane Striping	X		
6. North Flare Station	X			**6.** Landfill Cover		X					
7. Migration Flare	X			**7.** Drain Rock	X						
8. Noise Control	X			**8.** Air Quality	X			**F. Other Items**			
9. Air Compressors	X			**9.** Stockpiles		X					
				10. Vectors							
B. Leachate System				**11.** Litter		X					
1. Pump Station 1	X			**12.** Dust Control	X						
2. Pump Station 2	X			**13.** Other	X						
3. Pump Station 3	X										
4. Pump Station 4	X			**D. Stormwater System**							
5. Lagoon Facilities	X			**1.** CSW Pond	X						
6. Lagoon Aerators	X			**2.** North Siltation Pond	X						
7. Collection System:				**3.** North SW Lagoon	X						
a. Collection Pipes	X			**4.** South SW Lagoon	X						
b. Force Mains	X			**5.** South Siltation Pond	X						
c. Manholes	X			**6.** Sand Filter	X						
d. Cleanouts	X			**7.** CB/ Control Structures	X						
8. Generators	X			**8.** Pipes/Culverts	X						
9. Extraction Wells	X			**9.** Trash Racks	X						
10. Valves/Cleanouts	X			**10.** Ditches		X					
11. Groundwater	X			**11.** Best Management		X					
				12. Compliance Points	X						
				13. Other	X						

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	D11		I5		X		Damaged construction fence by southeast stormwater pond. Needs to be repaired, replaced or removed.	
2	C11	A8	G2		X		Trash in a tree west of Area 8. Remove trash.	
3	C6	A8	G2		X		Rills above northwest corner of Area 8. Monitor for any undermining to the DLM and if undermining occurs fill and compact.	
4	D10	A7/A8	G2/G3		X		Holes and cracking in asphalt in stormwater ditch north of Area 8. Asphalt cold patch to repair the damage to the ditch.	
5	C6/C9	SP	G4	X			Slope failure on west side of Area 8 stockpile observed during inspection. Repaired by Operations as of 9/11/2020.	
6	D11	A5			X		Damage to sediment and construction fences on the west side of Area 5. Remove fences.	
7	D10	A6			X		South stormwater ditch of Area 6 liner is coming out of alignment and will be less effective when the rains start. Reposition liner to make this ditch more effective.	
8	D11	A6			X		Damage to sediment fences north and south of Area 6. Remove fences.	
9	C6	A7			X		Bare slopes on all sides of Area 7. Rill on southwest corner. Fill, compact and hydroseed.	
10	C6	A6			X		Bare slopes and rills on south side of Area 6. Bare slopes on west side and east side of Area 6. Fill compact and hydroseed.	

11	**D10**	**A6**			X		A check dam in the northern part of the wester stormwater ditch of Area 6 is filled with sediment and should be cleaned.	
12	**C11**	**A7**			X		Plastic sheeting on the west slope of Area 7 needs to be removed.	
13	**C6**	**A7**			X		Exposed intermediate cover in a couple of locations on Area 7. Cover over and compact.	
14	**C6**	**A5**			X		Bare slopes on Area 5. Needs to be hydroseeded.	
15	**D11**		**G5**		X		Missing “Only Rain Down the Drain” signs. Spray new markers behind Cedar Hills stores.	

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

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

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection: Overall the site is well maintained. Damaged construction and sediment fences around the southeast stormwater pond, Area 5 and Area 6. Damaged fences still in use should be repaired or replaced and damaged fences no longer in use should be removed. There is a tree west of Area 8 filled with trash that needs to be removed. Rills above northwest corner of Area 8. Continue to monitor these rills for any chance at undermining the DLM. Holes and cracking the stormwater ditch south of Area 7. Asphalt cold patches these areas to repair. Slope failure on the west side of Area 8 has been addressed since the inspection and the write up of this report. Parts of the south stormwater ditch of Area 6's liner has come out of alignment and needs to be repositioned. Bare slopes and rills on all sides of Area 7 and the west, east and south sides of Area 6. Fill and compact rills and hydro-seed bare slopes. A check dam in the west stormwater ditch of Area 6 needs to be cleaned of debris. Plastic sheeting on the west slope of Area 7 needs to be removed. There are two exposed areas of liner on Area 7 that need to be covered to protect the liner. There are bare slopes on the west side of Area 5 on the road leading to the northwest corner of Area 7. Needs to be hydroseeded. "Only Rain Down the Drain" signs behind the Cedar Hills stores building need to be added.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\08 - Aug\Photos

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

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y** / **N** Site Map **Y** / **N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: _8/20/2020_____ SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

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

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

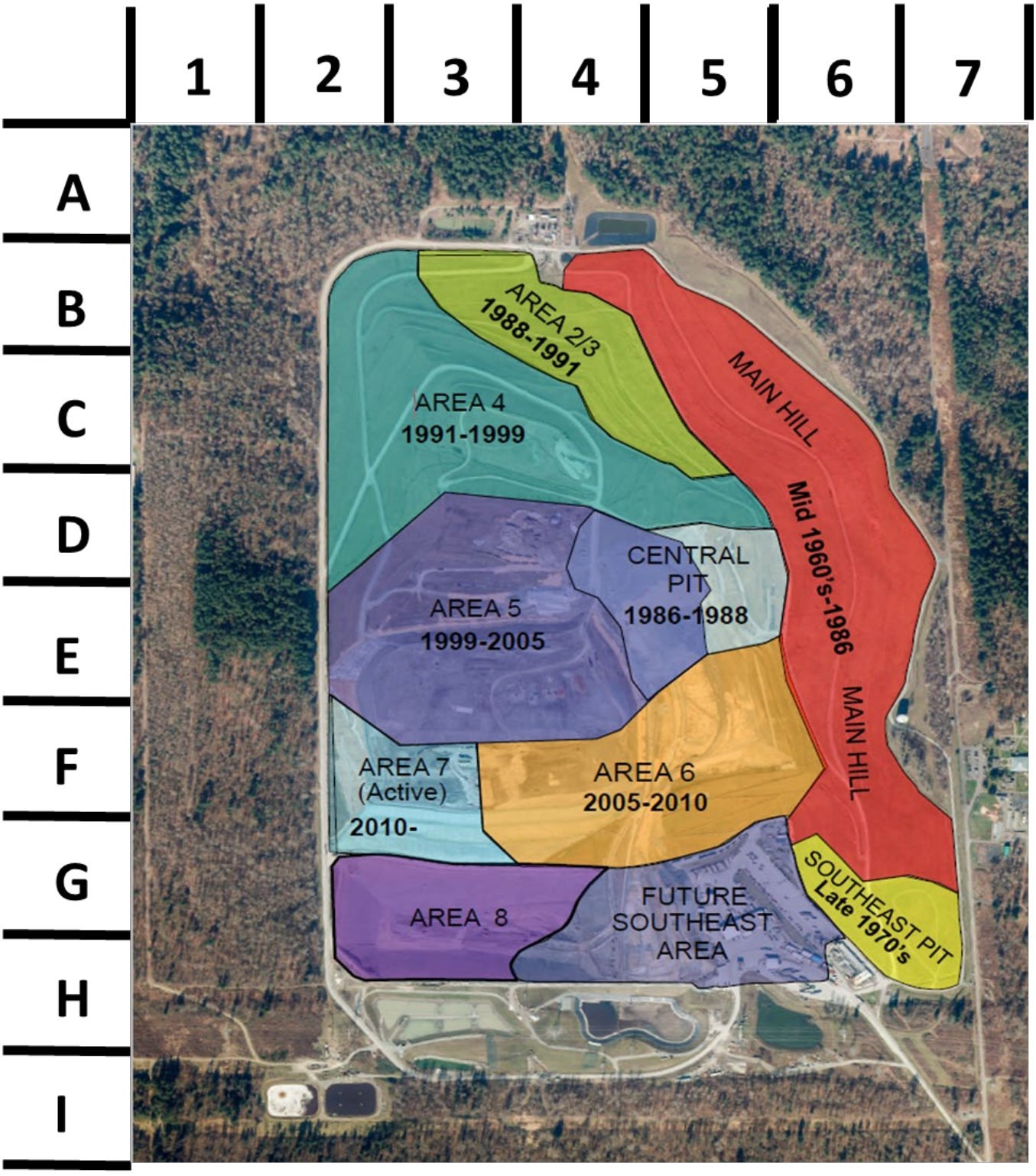
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: Sterling Bath

Signature: Sterling Bath Date: 9/15/2020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AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 9/22/2020

Location: Cedar Hills Ambient Temperature: (ºF) Weather Condition: Cloudy

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			**1.** Fueling Stations		X		**1.** Road Sweeping	X		
2. Collection Piping	X			**2.** Vehicle Wash Stations	X			**2.** Access Roads	X		
3. Extraction Wells	X			**3.** Equipment	X			**3.** Road Erosion	X		
4. Monitoring Probes	X			**4.** Perimeter Fences	X			**4.** Road Pavement	X		
5. Valve Stations	X			**5.** Vegetation	X			**5.** Lane Striping	X		
6. North Flare Station	X			**6.** Landfill Cover		X					
7. Migration Flare	X			**7.** Drain Rock	X						
8. Noise Control	X			**8.** Air Quality	X			**F. Other Items**			
9. Air Compressors	X			**9.** Stockpiles	X						
				10. Vectors	X						
B. Leachate System				**11.** Litter		X					
1. Pump Station 1	X			**12.** Dust Control	X						
2. Pump Station 2	X			**13.** Other	X						
3. Pump Station 3	X										
4. Pump Station 4	X			**D. Stormwater System**							
5. Lagoon Facilities	X			**1.** CSW Pond	X						
6. Lagoon Aerators	X			**2.** North Siltation Pond	X						
7. Collection System:	X			**3.** North SW Lagoon	X						
a. Collection Pipes	X			**4.** South SW Lagoon	X						
b. Force Mains	X			**5.** South Siltation Pond	X						
c. Manholes	X			**6.** Sand Filter		X					
d. Cleanouts	X			**7.** CB/ Control Structures	X						
8. Generators	X			**8.** Pipes/Culverts	X						
9. Extraction Wells	X			**9.** Trash Racks	X						
10. Valves/Cleanouts	X			**10.** Ditches		X					
11. Groundwater	X			**11.** Best Management		X					
				12. Compliance Points							
				13. Other	X						

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	C6	A8	G2		X		Rills in northwest corner of Area 8. Need to be filled and compacted.	
2	D6		I2		X		Valve screen does not fit over valve. Needs to be resized.	
3	D6		I2		X		Need to replace sand in sand filter.	
4	D10	A6	F4/5		X		Liner of Area 6 south stormwater ditch has come out of alignment and torn in a few locations. Repair tears and realign liner.	
5	C6	A7			X		Landfill cover liner is exposed is exposed in a few locations on top needs to be assessed and covered with soil appropriately.	
6	D11	A5	E2/3		X		Unnecessary sediment and construction fences on west side of Area 5. Remove fences.	
7	D11	A6	D4		X		Broken sediment fences on north side of Area 6. Replace fences	
8	D11		C7		X		Sediment fence is damaged near Pump Station 2 and may no longer be necessary. Remove or repair sediment fence near Pump Station 2.	
9	C1		H5		X		Need new fuel island mats to protect fuel tanks from rain.	
10	D11		H5		X		Missing "No Rain Down the Drain" signs behind the stores/shop building.	
11	D11	A6	F5		X		Construction fence around LFG header on the east slope of Area 6. Assess and remove if no longer necessary.	
12	C6	A7			X		A couple of rills on the west slope of Area 7. Monitor and compact if weather is permitting.	

13	**C11**	**A7**			X		Plastic sheeting on west slope of Area 7 is looking worn. Remove and replace current plastic sheeting.	
14	**D10/D11**	**A6**			X		Debris appears to be clogging a check dam in the west stormwater ditch of Area 6. Remove debris.	
15	**C5**	**SP/A6**		X			Hydroseed slopes southwest of Area 6. Slope was hydroseeded before report was finished.	

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

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

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*

b. *Routine*
c. *Deferred*

Overall site description day of site inspection: Overall the site is maintained. There are rills in the northwest corner of Area 8 that need to be filled and compacted. The sand filter valve needs to be resized to properly fit over the sand filter valve. Need to replace sand in sand filter once a suitable material has been located. The liner in the south stormwater ditch of Area 6 needs to be realigned and replaced in some sections. Sediment and construction fences in the west side of Area 5, the north side of Area 6 and by Pump Station 2 need to be removed or replaced. Need new fuel island mats to protect the underground storage tankers. There is a construction fence around a landfill gas cleanout that needs to be assessed for necessity and removed if not necessary. There are a few storm drains north of the Cedar Hills shop that needs to be painted with "No Rain Down the Drain" signs. There are a few rills on the west slope of Area 7 that need to be monitored and filled, compacted and hydroseeded when weather is appropriate. There is some plastic sheeting on the west slope of Area 7 that needs to be removed and replaced if it is still needed. A check dam in the west stormwater ditch of Area 6 is filled with debris and this should be removed. Hydroseeding was needed at the time of the inspection on the slope southwest of Area 6. This slope has been hydroseeded between the time of the inspection to this report being written. Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\09 - Sep\Photos

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

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y** / **N** Site Map **Y** / **N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: __9/22/20_____ SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

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

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

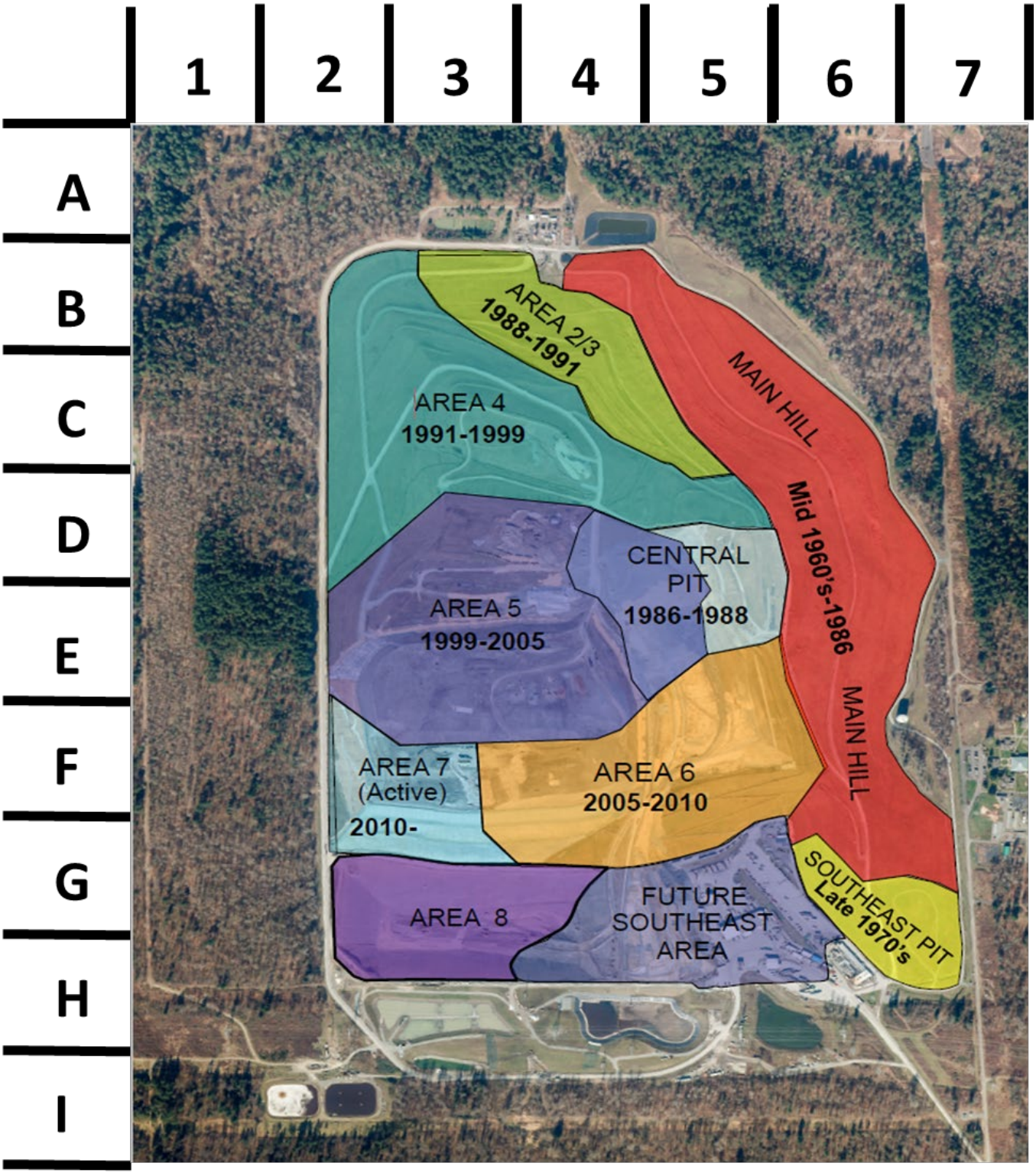
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: Sterling Bath

Signature: Sterling Bath Date: 10/14/2020


1
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D
E
F
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H
I
AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

Cedar Hills Area 5 Maintenance

for the period 07/01/2020 *to* 09/30/2020

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	0000022993	CLOSED	Monthy Gas System PM	07/14/2020	N
	CHAREA5	0000022993	CLOSED	Monthly Stormwater PM	07/14/2020	N
	CHAREA5	0000022993	CLOSED	Monthly Cover System PM	07/14/2020	N
	CHAREA5	0000023129	CLOSED	Monthy Gas System PM	08/23/2020	N
	CHAREA5	0000023129	CLOSED	Monthly Stormwater PM	08/23/2020	N
	CHAREA5	0000023129	CLOSED	Monthly Cover System PM	08/23/2020	N
	CHAREA5	0000023269	CLOSED	Monthy Gas System PM	09/19/2020	N
	CHAREA5	0000023269	CLOSED	Monthly Stormwater PM	09/19/2020	N
	CHAREA5	0000023269	CLOSED	Monthly Cover System PM	09/19/2020	N
	CHAREA5E	0000022945	CLOSED	Monthly Header PM	07/11/2020	N
	CHAREA5E	0000023084	CLOSED	Monthly Header PM	08/30/2020	N
	CHAREA5E	0000023225	CLOSED	Monthly Header PM	09/02/2020	N
	CHAREA5W	0000022944	CLOSED	Monthly Header PM	07/11/2020	N
	CHAREA5W	0000023083	CLOSED	Monthly Header PM	08/30/2020	N
	CHAREA5W	0000023224	CLOSED	Monthly Header PM	09/02/2020	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 07/01/2020 *to* 09/30/2020

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Catch Basins						
	Cedar Hills	0000047301	CLOSED	PMM	07/07/2020	N
	Cedar Hills	0000047579	CLOSED	PMM	08/01/2020	N
	Cedar Hills	0000047831	CLOSED	PMM	09/01/2020	N
Trash Racks						
	Cedar Hills	0000047315	CLOSED	PMW	07/07/2020	Y
	Cedar Hills	0000047368	CLOSED	PMW	07/13/2020	Y
	Cedar Hills	0000047409	CLOSED	PMW	07/19/2020	Y
	Cedar Hills	0000047481	CLOSED	PMW	07/28/2020	N
	Cedar Hills	0000047540	CLOSED	PMW	08/02/2020	N
	Cedar Hills	0000047644	CLOSED	PMW	08/11/2020	N
	Cedar Hills	0000047749	CLOSED	PMW	08/18/2020	N
	Cedar Hills	0000047750	CLOSED	PMW	08/23/2020	Y
	Cedar Hills	0000047830	CLOSED	PMW	08/31/2020	Y
	Cedar Hills	0000047923	CLOSED	PMW	09/06/2020	Y
	Cedar Hills	0000047984	CLOSED	PMW	09/18/2020	N
	Cedar Hills	0000048069	CLOSED	PMW	09/21/2020	N
	Cedar Hills	0000048126	CLOSED	PMW	09/29/2020	N
Ditches						
	Cedar Hills	0000047301	CLOSED	PMM	07/07/2020	N
	Cedar Hills	0000047315	CLOSED	PMW	07/07/2020	Y
	Cedar Hills	0000047368	CLOSED	PMW	07/13/2020	Y
	Cedar Hills	0000047409	CLOSED	PMW	07/19/2020	Y
	Cedar Hills	0000047481	CLOSED	PMW	07/28/2020	N
	Cedar Hills	0000047540	CLOSED	PMW	08/02/2020	N
	Cedar Hills	0000047579	CLOSED	PMM	08/01/2020	N
	Cedar Hills	0000047644	CLOSED	PMW	08/11/2020	N
	Cedar Hills	0000047749	CLOSED	PMW	08/18/2020	N
	Cedar Hills	0000047750	CLOSED	PMW	08/23/2020	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000047830	CLOSED	PMW	08/31/2020	Y
	Cedar Hills	0000047831	CLOSED	PMM	09/01/2020	N
	Cedar Hills	0000047923	CLOSED	PMW	09/06/2020	Y
	Cedar Hills	0000047984	CLOSED	PMW	09/18/2020	N
	Cedar Hills	0000048069	CLOSED	PMW	09/21/2020	N
	Cedar Hills	0000048126	CLOSED	PMW	09/29/2020	N
Ponds/Lagoons						
	Cedar Hills	0000047315	CLOSED	PMW	07/07/2020	Y
	Cedar Hills	0000047368	CLOSED	PMW	07/13/2020	Y
	Cedar Hills	0000047409	CLOSED	PMW	07/19/2020	Y
	Cedar Hills	0000047481	CLOSED	PMW	07/28/2020	N
	Cedar Hills	0000047540	CLOSED	PMW	08/02/2020	N
	Cedar Hills	0000047644	CLOSED	PMW	08/11/2020	N
	Cedar Hills	0000047749	CLOSED	PMW	08/18/2020	N
	Cedar Hills	0000047750	CLOSED	PMW	08/23/2020	Y
	Cedar Hills	0000047830	CLOSED	PMW	08/31/2020	Y
	Cedar Hills	0000047923	CLOSED	PMW	09/06/2020	Y
	Cedar Hills	0000047984	CLOSED	PMW	09/18/2020	N
	Cedar Hills	0000048069	CLOSED	PMW	09/21/2020	N
	Cedar Hills	0000048126	CLOSED	PMW	09/29/2020	N
General						
	Cedar Hills	0000047315	CLOSED	PMW	07/07/2020	Y
	Cedar Hills	0000047368	CLOSED	PMW	07/13/2020	Y
	Cedar Hills	0000047409	CLOSED	PMW	07/19/2020	Y
	Cedar Hills	0000047481	CLOSED	PMW	07/28/2020	N
	Cedar Hills	0000047540	CLOSED	PMW	08/02/2020	N
	Cedar Hills	0000047644	CLOSED	PMW	08/11/2020	N
	Cedar Hills	0000047749	CLOSED	PMW	08/18/2020	N
	Cedar Hills	0000047750	CLOSED	PMW	08/23/2020	Y
	Cedar Hills	0000047830	CLOSED	PMW	08/31/2020	Y
	Cedar Hills	0000047923	CLOSED	PMW	09/06/2020	Y
	Cedar Hills	0000047984	CLOSED	PMW	09/18/2020	N
	Cedar Hills	0000048069	CLOSED	PMW	09/21/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000048126	CLOSED	PMW	09/29/2020	N
Leachate System						
	CHPS1	0000047257	CLOSED	PMW	07/05/2020	N
	CHPS1	0000047337	CLOSED	PMW	07/12/2020	N
	CHPS1	0000047402	CLOSED	PMW	07/19/2020	N
	CHPS1	0000047491	CLOSED	PMW	07/26/2020	N
	CHPS1	0000047518	CLOSED	PMW	08/02/2020	N
	CHPS1	0000047610	CLOSED	PMW	08/09/2020	N
	CHPS1	0000047679	CLOSED	PMW	08/17/2020	N
	CHPS1	0000047688	CLOSED	PMW	08/24/2020	Y
	CHPS1	0000047807	CLOSED	PMW	08/30/2020	N
	CHPS1	0000047921	CLOSED	PMW	09/06/2020	Y
	CHPS1	0000047981	CLOSED	PMW	09/16/2020	N
	CHPS1	0000048055	CLOSED	PMW	09/20/2020	N
	CHPS1	0000048101	CLOSED	PMW	09/27/2020	N
	CHPS2	0000047335	CLOSED	PMW	07/05/2020	N
	CHPS2	0000047336	CLOSED	PMW	07/12/2020	N
	CHPS2	0000047401	CLOSED	PMW	07/19/2020	N
	CHPS2	0000047490	CLOSED	PMW	07/26/2020	N
	CHPS2	0000047517	CLOSED	PMW	08/02/2020	N
	CHPS2	0000047609	CLOSED	PMW	08/09/2020	N
	CHPS2	0000047678	CLOSED	PMW	08/17/2020	N
	CHPS2	0000047687	CLOSED	PMW	08/24/2020	N
	CHPS2	0000047806	CLOSED	PMW	08/30/2020	N
	CHPS2	0000047920	CLOSED	PMW	09/06/2020	N
	CHPS2	0000047980	CLOSED	PMW	09/16/2020	N
	CHPS2	0000048054	CLOSED	PMW	09/20/2020	N
	CHPS2	0000048100	CLOSED	PMW	09/27/2020	N
	CHPS3	0000047255	CLOSED	PMW	07/05/2020	N
	CHPS3	0000047333	CLOSED	PMW	07/12/2020	N
	CHPS3	0000047400	CLOSED	PMW	07/19/2020	N
	CHPS3	0000047488	CLOSED	PMW	07/26/2020	N
	CHPS3	0000047515	CLOSED	PMW	08/02/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS3	0000047607	CLOSED	PMW	08/09/2020	N
	CHPS3	0000047676	CLOSED	PMW	08/17/2020	N
	CHPS3	0000047685	CLOSED	PMW	08/23/2020	N
	CHPS3	0000047804	CLOSED	PMW	08/30/2020	N
	CHPS3	0000047918	CLOSED	PMW	09/06/2020	N
	CHPS3	0000047978	CLOSED	PMW	09/16/2020	N
	CHPS3	0000048052	CLOSED	PMW	09/20/2020	N
	CHPS3	0000048098	CLOSED	PMW	09/27/2020	N
	CHPS4	0000047254	CLOSED	PMW	07/05/2020	N
	CHPS4	0000047332	CLOSED	PMW	07/12/2020	N
	CHPS4	0000047399	CLOSED	PMW	07/19/2020	N
	CHPS4	0000047487	CLOSED	PMW	07/26/2020	N
	CHPS4	0000047514	CLOSED	PMW	08/02/2020	N
	CHPS4	0000047606	CLOSED	PMW	08/09/2020	N
	CHPS4	0000047675	CLOSED	PMW	08/17/2020	N
	CHPS4	0000047684	CLOSED	PMW	08/23/2020	N
	CHPS4	0000047803	CLOSED	PMW	08/30/2020	N
	CHPS4	0000047917	CLOSED	PMW	09/06/2020	Y
	CHPS4	0000047977	CLOSED	PMW	09/16/2020	N
	CHPS4	0000048051	CLOSED	PMW	09/20/2020	N
	CHPS4	0000048097	CLOSED	PMW	09/27/2020	Y
	LEPS	0000047251	CLOSED	PMW	07/05/2020	N
	LEPS	0000047259	CLOSED	PMM	07/06/2020	Y
	LEPS	0000047329	CLOSED	PMW	07/12/2020	Y
	LEPS	0000047396	CLOSED	PMW	07/19/2020	N
	LEPS	0000047484	CLOSED	PMW	07/26/2020	N
	LEPS	0000047511	CLOSED	PMW	08/02/2020	N
	LEPS	0000047582	CLOSED	PMM	08/03/2020	Y
	LEPS	0000047603	CLOSED	PMW	08/09/2020	N
	LEPS	0000047672	CLOSED	PMW	08/17/2020	N
	LEPS	0000047681	CLOSED	PMW	08/23/2020	N
	LEPS	0000047800	CLOSED	PMW	08/30/2020	N
	LEPS	0000047809	CLOSED	PMM	09/01/2020	Y
	LEPS	0000047914	CLOSED	PMW	09/06/2020	Y
	LEPS	0000047974	CLOSED	PMW	09/16/2020	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	LEPS	0000048048	CLOSED	PMW	09/20/2020	Y
	LEPS	0000048094	CLOSED	PMW	09/27/2020	Y
Landfill Cover						
	CHSTOCKPILE	0000022990	CLOSED	PMV	07/14/2020	N
	CHAPONDS	0000022991	CLOSED	PMV	07/14/2020	N
	CHAREA4	0000022992	CLOSED	PMV	07/14/2020	N
	CHAREA5	0000022993	CLOSED	PMV	07/14/2020	N
	CHAREA6	0000022994	CLOSED	PMV	07/14/2020	N
	CHAREAS23	0000022997	CLOSED	PMV	07/14/2020	N
	CHCENTRALPIT	0000022998	CLOSED	PMV	07/14/2020	N
	CHEMH	0000022999	CLOSED	PMV	07/14/2020	N
	CHSEPA	0000023000	CLOSED	PMV	07/14/2020	N
	CHSSWA	0000023001	CLOSED	PMV	07/14/2020	N
	CHSWMH	0000023002	CLOSED	PMV	07/14/2020	N
	CHNFLARESTN	0000023003	CLOSED	PMV	07/14/2020	N
	CHSTOCKPILE	0000023126	CLOSED	PMV	08/23/2020	N
	CHAPONDS	0000023127	CLOSED	PMV	08/23/2020	N
	CHAREA4	0000023128	CLOSED	PMV	08/23/2020	N
	CHAREA5	0000023129	CLOSED	PMV	08/23/2020	N
	CHAREA6	0000023130	CLOSED	PMV	08/23/2020	N
	CHAREAS23	0000023133	CLOSED	PMV	08/23/2020	N
	CHCENTRALPIT	0000023134	CLOSED	PMV	08/23/2020	N
	CHEMH	0000023135	CLOSED	PMV	08/23/2020	N
	CHSEPA	0000023136	CLOSED	PMV	08/23/2020	N
	CHSSWA	0000023137	CLOSED	PMV	08/23/2020	N
	CHSWMH	0000023138	CLOSED	PMV	08/23/2020	N
	CHNFLARESTN	0000023139	CLOSED	PMV	08/23/2020	N
	CHSTOCKPILE	0000023266	CLOSED	PMV	09/19/2020	N
	CHAPONDS	0000023267	CLOSED	PMV	09/19/2020	N
	CHAREA4	0000023268	CLOSED	PMV	09/19/2020	N
	CHAREA5	0000023269	CLOSED	PMV	09/19/2020	N
	CHAREA6	0000023270	CLOSED	PMV	09/19/2020	N
	CHAREAS23	0000023273	CLOSED	PMV	09/19/2020	N
	CHCENTRALPIT	0000023274	CLOSED	PMV	09/19/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHEMH	0000023275	CLOSED	PMV	09/19/2020	N
	CHSEPA	0000023276	CLOSED	PMV	09/19/2020	N
	CHSSWA	0000023277	CLOSED	PMV	09/19/2020	N
	CHSWMH	0000023278	CLOSED	PMV	09/19/2020	N
	CHNFLARESTN	0000023279	CLOSED	PMV	09/19/2020	N
Landfill Gas						
	CHEMH	0000022967	CLOSED	PMW	07/05/2020	N
	CHEMH	0000023043	CLOSED	PMW	07/26/2020	N
	CHEMH	0000023107	CLOSED	PMW	08/05/2020	N
	CHEMH	0000023173	CLOSED	PMW	08/19/2020	N
	CHEMH	0000023247	CLOSED	PMW	09/05/2020	N
	CHEMH	0000023318	CLOSED	PMW	09/21/2020	N
	CHAREAS23	0000022954	CLOSED	PMW	07/13/2020	N
	CHAREAS23	0000023034	CLOSED	PMW	07/26/2020	N
	CHAREAS23	0000023093	CLOSED	PMW	08/08/2020	N
	CHAREAS23	0000023164	CLOSED	PMW	08/27/2020	N
	CHAREAS23	0000023235	CLOSED	PMW	09/13/2020	N
	CHAREAS23	0000023309	CLOSED	PMW	09/27/2020	N
	CHAREA6	0000022909	CLOSED	PMW	07/07/2020	N
	CHAREA6	0000022909	CLOSED	PMW	07/09/2020	N
	CHAREA6	0000023005	CLOSED	PMW	07/17/2020	N
	CHAREA6	0000023005	CLOSED	PMW	07/28/2020	N
	CHAREA6	0000023051	CLOSED	PMW	08/04/2020	N
	CHAREA6	0000023051	CLOSED	PMW	08/05/2020	N
	CHAREA6	0000023141	CLOSED	PMW	08/18/2020	N
	CHAREA6	0000023141	CLOSED	PMW	08/19/2020	N
	CHAREA6	0000023183	CLOSED	PMW	09/08/2020	N
	CHAREA6	0000023281	CLOSED	PMW	09/20/2020	N
	CHSEPA	0000022932	CLOSED	PMW	07/05/2020	N
	CHSEPA	0000023019	CLOSED	PMW	07/29/2020	N
	CHSEPA	0000023019	CLOSED	PMW	07/30/2020	N
	CHSEPA	0000023071	CLOSED	PMW	08/06/2020	N
	CHSEPA	0000023149	CLOSED	PMW	08/24/2020	N
	CHSEPA	0000023211	CLOSED	PMW	09/11/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSEPA	0000023294	CLOSED	PMW	09/25/2020	N
	CHCMH	0000022975	CLOSED	PMW	07/02/2020	N
	CHCMH	0000022975	CLOSED	PMW	07/03/2020	N
	CHCMH	0000022975	CLOSED	PMW	07/08/2020	N
	CHCMH	0000023044	CLOSED	PMW	07/15/2020	N
	CHCMH	0000023044	CLOSED	PMW	07/16/2020	N
	CHCMH	0000023044	CLOSED	PMW	07/17/2020	N
	CHCMH	0000023111	CLOSED	PMW	08/02/2020	N
	CHCMH	0000023111	CLOSED	PMW	08/09/2020	N
	CHCMH	0000023111	CLOSED	PMW	08/09/2020	N
	CHCMH	0000023174	CLOSED	PMW	08/29/2020	N
	CHCMH	0000023174	CLOSED	PMW	08/27/2020	N
	CHCMH	0000023174	CLOSED	PMW	08/28/2020	N
	CHCMH	0000023251	CLOSED	PMW	09/02/2020	N
	CHCMH	0000023251	CLOSED	PMW	09/03/2020	N
	CHCMH	0000023251	CLOSED	PMW	09/04/2020	N
	CHCMH	0000023319	CLOSED	PMW	09/17/2020	N
	CHCMH	0000023319	CLOSED	PMW	09/18/2020	N
	CHAREA5E	0000022942	CLOSED	PMW	07/11/2020	N
	CHAREA5E	0000023026	CLOSED	PMW	07/23/2020	N
	CHAREA5E	0000023081	CLOSED	PMW	08/05/2020	N
	CHAREA5E	0000023156	CLOSED	PMW	08/30/2020	N
	CHAREA5E	0000023222	CLOSED	PMW	09/02/2020	N
	CHAREA5E	0000023301	CLOSED	PMW	09/22/2020	N
	CHAREA5W	0000022943	CLOSED	PMW	07/11/2020	N
	CHAREA5W	0000023027	CLOSED	PMW	07/25/2020	N
	CHAREA5W	0000023082	CLOSED	PMW	08/05/2020	N
	CHAREA5W	0000023157	CLOSED	PMW	08/30/2020	N
	CHAREA5W	0000023223	CLOSED	PMW	09/02/2020	N
	CHAREA5W	0000023302	CLOSED	PMW	09/22/2020	N
Landfill Roads						
	CHMAINGATE	0000022982	CLOSED	PMR	07/14/2020	N
	CHMAINGATE	0000023118	CLOSED	PMR	08/23/2020	N
	CHMAINGATE	0000023258	CLOSED	PMR	09/19/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSTOCKPILE	0000022990	CLOSED	PMR	07/14/2020	N
	CHSTOCKPILE	0000023126	CLOSED	PMR	08/23/2020	N
	CHSTOCKPILE	0000023266	CLOSED	PMR	09/19/2020	N
	CHACTIVEAREA	0000022981	CLOSED	PMR	07/14/2020	N
	CHACTIVEAREA	0000023117	CLOSED	PMR	08/23/2020	N
	CHACTIVEAREA	0000023257	CLOSED	PMR	09/19/2020	N
	CHPSR	0000022983	CLOSED	PMR	07/14/2020	N
	CHPSR	0000023119	CLOSED	PMR	08/23/2020	N
	CHPSR	0000023259	CLOSED	PMR	09/19/2020	N
Landfill Roads						
	Sweeper	0	see Equipment Operator Spreadsheet	NA	0	N

Equipment *Click the word 'Equipment' to see Work Order Numbers*

Appendix B:
Gas Monitoring Reports

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 9-15-20

Cal. Time: 7:00

Technician: CS

Surveyor JP

Calibration :

Test Instrument used: Sem5000

Cal. Gas Lot No: 441 z 994

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO air

Barometric Pressure		Time
Start	30.00	7:00
Stop	29.98	5:00

90% response time in seconds:

1 1 seconds

2 2 seconds

3 1 seconds

avg. 1 seconds

Weather Conditions: Cloudy (smoky)

Wind Speed &

Direction (out of): E 2mph

Northing (UTM #)	Easting (10 T #)	Time	Comments
5256999	0571405	9:28	Top sw corner #5 500 PPM

DNRP / King County Solid Waste
Liner Penetration Surface Monitoring Data

Landfill Site: CEDAR HILLS

Date: 9-17-20

Cal. Time: 6:30 AM

Technician: R.S.

Surveyor P.J.

Calibration :

Test Instrument used: SEM5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 ZERO

Barometric Pressure	Time
Start 29.95	6:20AM
Stop	

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Foggy

Wind Speed & Direction (out of): 1 MPH SE

Northing (UTM #)	Easting (10 T #)	Time	Comments

NO EXCEEDANCES

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: CEDAR HILLS

Date: 9/28/20

Cal. Time: 7:00 AM

Technician: R.S.

Surveyor P.J.

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 491-2994

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO

Barometric Pressure	Time
Start 29.85	6:50 AM
Stop 29.88	7:15 PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 5 seconds

avg. 3 seconds

Weather Conditions: HAZY

Wind Speed &

Direction (out of): 1 MPH SE

Northing (UTM #)	Easting (10 T #)	Time	Comments
NO EXCEEDANCES			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 9-20-20

Cal. Time: 8:00

Technician: CS

Surveyor: SP

Calibration :

Test Instrument used: Sem 5000

Cal. Gas Lot No: 4912494

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO AIR

Barometric Pressure		Time
Start 29.98	8:	00
Stop 29.96	2:	30

90% response time in seconds:

1 2 seconds

2 1 seconds

3 1 seconds

avg. 1 seconds

Weather Conditions: Partly cloudy/Drizzly

Wind Speed &

Direction (out of): E 3 mph

Northing (UTM #)	Easting (10 T #)	Time	Comments
NO	EXEDENCES		

DNRP / King County Solid Waste
Liner Penetration Surface Monitoring Data

Landfill Site: cedar hills

Date: 9/20/20

Cal. Time: 8:00

Technician: LD

Surveyor JP

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppM

O_2 zero air

Barometric Pressure		Time
Start	29.93	8:15PM
Stop	29.92	11:00PM

90% response time in seconds:

1 2 seconds

2 1 seconds

3 1 seconds

avg. 1 seconds

Weather Conditions: clear

Wind Speed &

Direction (out of): N 1mph

Northing (UTM #)	Easting (10 T #)	Time	Comments
No Exceedances			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 9-23-20

Cal. Time: 7:00 AM

Calibration :

Technician: BL

Test Instrument used: Sem 5000

Surveyor PJ

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start	29.78	7:15 am
Stop	29.76	3:30 pm

90% response time in seconds:

1 3 seconds

2 4 seconds

3 4 seconds

avg. 4 seconds

Weather Conditions: Rain

Wind Speed &

Direction (out of): 10 - S

Northing (UTM #)	Easting (10 T #)	Time	Comments
	No Exceedances		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 9.24.20

Cal. Time: 6:45 AM

Calibration :

Technician: BL

Test Instrument used: Sem 5000

Surveyor PS

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 PPM

O_2 Zero Air

Barometric Pressure		Time
Start	29.84	6:45 AM
Stop	29.93	6:00 PM

90% response time in seconds:

1 4 seconds

2 4 seconds

3 4 seconds

avg. 4 seconds

Weather Conditions: Cloudy

Wind Speed &

Direction (out of): S - 8 MPH

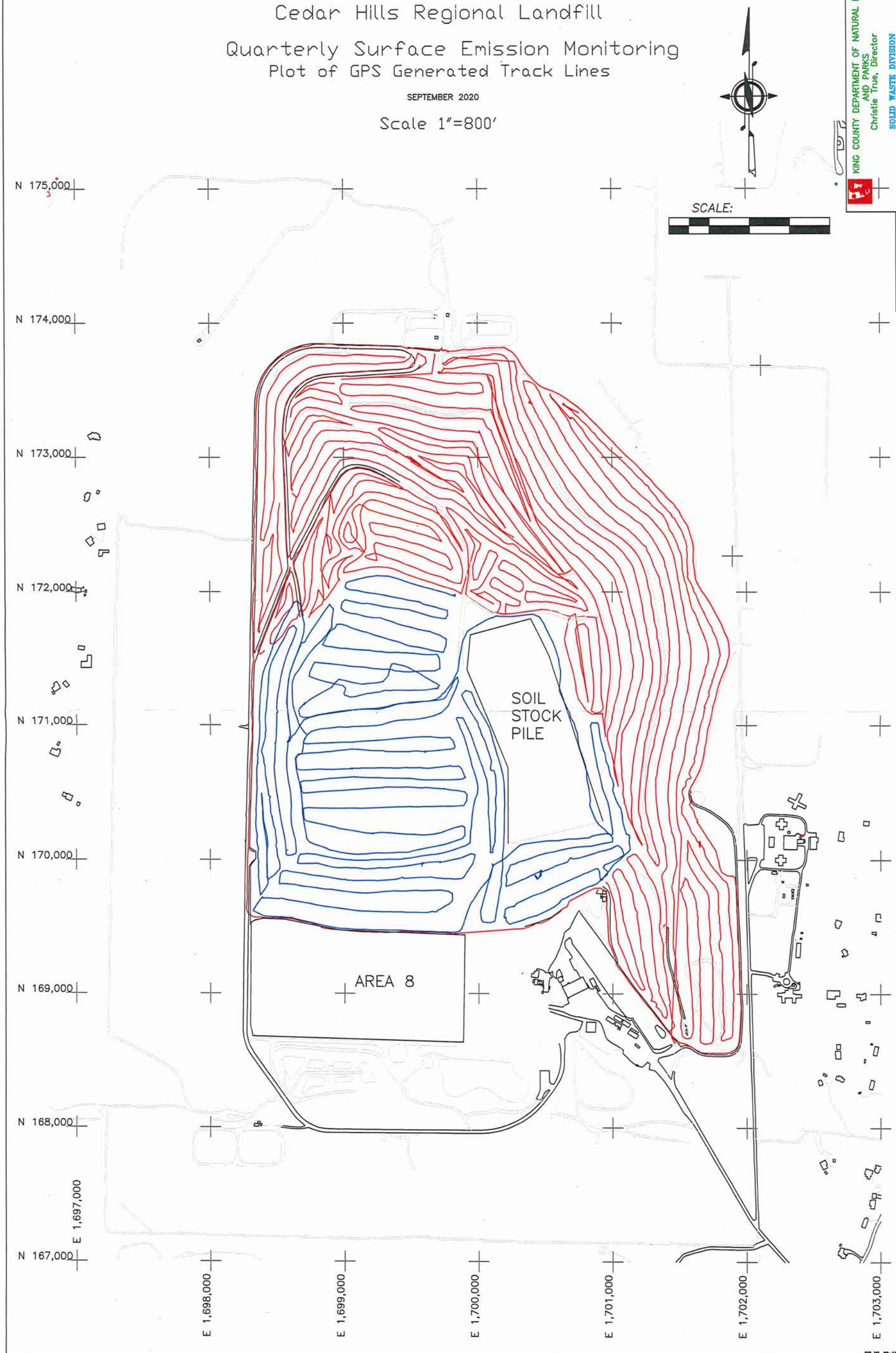
Northing (UTM #)	Easting (10 T #)	Time	Comments
NO	EXCEEDANCES		

Cedar Hills Regional Landfill

Quarterly Surface Emission Monitoring
Plot of GPS Generated Track Lines

SEPTEMBER 2020

Scale 1″=800′



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

CEDAR HILLS QUARTERLY
GAS EMMISIONS MONITORING

APPROVED — DATE 10-01-2020
RECOMMENDED — DATE —
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. 98104-3855

KING COUNTY SOLID WASTE

CEDAR HILLS REGIONAL LANDFILL
SCALE: 1" = 800'
CONTOUR INTERVAL: 5FT.
DATE OF PHOTOGRAPHY : 04-01-20

PHOTOGRAMMETRY BY:
S D I, LLC
3400 WEST 11TH AVE.
EUGENE, OR. 97402
(541)343-8877

JOB NO. 99-101
SHEET 1 1

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

TECHNICIAN COPY

WO#: 0000023179
Date In: 08/24/2020 11:00
Date Promised: 08/25/2020 11:00
Date Out: 00:00
WO Status: A Last WO#:0000023256
WO Priority: Last WO Date: 08/26/2020
Track DownTime: Y Employee:

Equipment: Cedar Hills License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
Cedar Hills

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
I	A - SET AN ANNUAL DATE	07/15/2021	Annual Inspection
Q	0 - MONTHS	09/30/2020	Quarterly Inspection
S	0 - MONTHS	01/15/2021	Scheduled Inspection
X	0 - MONTHS	09/10/2020	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	710	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	~~710~~ 787	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	767 CS	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	785 RS	0.00000	Gas

NOTES

Work Order Parts List

Repair Code:
Equipment: Cedar Hills
Work Order: 0000023179

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMQ BS
Equipment: Cedar Hills
Work Order: 0000023179

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					
	1	Gas- Ck liner integrity- Serpentine walk	✓				

9/17/20 10:00:00 RS

9/18/20 6:00:00 RS

9/20/20 2 hrs 45 min LD

9-15-20 9 hours CS

9-20-20 9 hours CS

9-23 7 hrs BL

9-24 8 hrs BL

Work Order Report - WO# 0000022993

6/22/2020 11:46:33 AM

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

TECHNICIAN COPY

WO#: 0000022993
Date In: 06/22/2020 11:46
Date Promised: 06/23/2020 11:46
Date Out: 00:00
WO Status: A
WO Priority:
Track DownTime: Y
Last WO#:0000022851
Last WO Date: 05/22/2020
Employee:

Equipment: charea5 License: na

Location: 20
Year: 2006
Make: UD
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Color:
Serial: na
Engine:

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	06/10/2020	Gas System
T	0 - MONTHS	06/10/2020	Stormwater
V	0 - MONTHS	06/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID		Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	710	BL	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	710	BL	0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	710	BL	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

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: 7-14

Work Order Report - WO# 0000022994

6/22/2020 11:47:26 AM

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

TECHNICIAN COPY

WO#: 0000022994
Date In: 06/22/2020 11:46
Date Promised: 06/23/2020 11:46
Date Out: 00:00
WO Status: A Last WO#:0000022910
WO Priority: Last WO Date: 06/22/2020
Track DownTime: Y Employee:

Equipment: charea6 License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	06/10/2020	Gas System
S	0 - MONTHS	07/28/2020	Scheduled Inspection
T	0 - MONTHS	06/10/2020	Stormwater
V	0 - MONTHS	06/10/2020	Cover System
W	W - WEEKS	06/25/2020	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID		Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	710	RL	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	710	RL	0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	710	RL	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

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: 7.14

Work Order Report - WO# 0000023129

7/27/2020 8:41:39 AM

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

TECHNICIAN COPY

WO#: 0000023129
Date In: 07/27/2020 08:41
Date Promised: 07/28/2020 08:41
Date Out: 00:00
WO Status: A Last WO#:0000022993
WO Priority: Last WO Date: 06/22/2020
Track DownTime: Y Employee:

Equipment: charea5 License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	08/10/2020	Gas System
T	0 - MONTHS	08/10/2020	Stormwater
V	0 - MONTHS	08/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID		Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	767	CS	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	767	CS	0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	767	CS	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

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: 8-23-20

Work Order Report - WO# 0000023130

7/27/2020 8:42:24 AM

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

TECHNICIAN COPY

WO#: 0000023130
Date In: 07/27/2020 08:41
Date Promised: 07/28/2020 08:41
Date Out: 00:00
WO Status: A Last WO#:0000023052
WO Priority: Last WO Date: 07/24/2020
Track DownTime: Y Employee:

Equipment: charea6 License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	08/10/2020	Gas System
S	0 - MONTHS	08/28/2020	Scheduled Inspection
T	0 - MONTHS	08/10/2020	Stormwater
V	0 - MONTHS	08/10/2020	Cover System
W	W - WEEKS	07/23/2020	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID		Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	767	CS	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	767	CS	0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	767	CS	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

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: 8-23-20

Work Order Report - WO# 0000023269

8/26/2020 9:47:02 AM

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

TECHNICIAN COPY

WO#: 0000023269
Date In: 08/26/2020 09:46
Date Promised: 08/27/2020 09:46
Date Out: 00:00
WO Status: A Last WO#:0000023129
WO Priority: Last WO Date: 07/27/2020
Track DownTime: Y Employee:

Equipment: charea5 License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	09/10/2020	Gas System
T	0 - MONTHS	09/10/2020	Stormwater
V	0 - MONTHS	09/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	785	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	785	0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	785	0.00000	Gas

RS

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	X				
Gas Visually inspect disposal system					
Gas Verify daily odor log is current	X				
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	X				
Gas Visually inspect control structures					
Gas Visually inspect conveyance pipes	X				
Gas Note any deficiencies					

PMV BS

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

DATE: 9/19/20 5:00

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

TECHNICIAN COPY

WO#: 0000023270
Date In: 08/26/2020 09:47
Date Promised: 08/27/2020 09:47
Date Out: 00:00
WO Status: A Last WO#:0000023184
WO Priority: Last WO Date: 08/24/2020
Track DownTime: Y Employee:

Equipment: charea6 License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:

Comments:
CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	09/10/2020	Gas System
S	0 - MONTHS	09/28/2020	Scheduled Inspection
T	0 - MONTHS	09/10/2020	Stormwater
V	0 - MONTHS	09/10/2020	Cover System
W	W - WEEKS	09/03/2020	Weekly Inspection

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID		Est. Labor	Shop
PMG BS	PM Service | PM Gas System | Billable | Scheduled, Target	0	785	RS	0.00000	Gas
PMT BS	PM Service | PM Pump Test | Billable | Scheduled, Target	0	785		0.00000	Gas
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	785		0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREA8, CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH CHAREAS23 (11)

PMG BS

Task	OK	Adjust	Repair	Replace	Comments
Gas Visually inspect collection system	X				
Gas Visually inspect disposal system	X				
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	X				
Gas Visually inspect control structures					
Gas Visually inspect conveyance pipes	X				
Gas Note any deficiencies					

PMV BS

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

DATE: 9/29/10 S.Ed

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

TECHNICIAN COPY

WO#: 0000022923
Date In: 06/22/2020 10:15
Date Promised: 06/23/2020 10:15
Date Out: 00:00
WO Status: A Last WO#:0000022785
WO Priority: Last WO Date: 05/22/2020
Track DownTime: Y Employee:

Equipment: charea6td License: na

Location: 20 Color:
Year: 2010 Serial: na
Make: UD Engine:
Model: U0
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CN Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	06/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MIO	Est. Labor	Shop
PMV BS	PM Service | PM Cover System | Billable | Scheduled, Target	0	765	0.00000	Gas

NOTES

Work Order Parts List

Repair Code:
Equipment: charea6td
Work Order: 0000022923

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea6td
Work Order: 0000022923

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	✓				

7/13/20 30 min

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

TECHNICIAN COPY

WO#: 0000022922
Date In: 06/22/2020 10:15
Date Promised: 06/23/2020 10:15
Date Out: 00:00
WO Status: A Last WO#:0000022784
WO Priority: Last WO Date: 05/22/2020
Track DownTime: Y Employee:

Equipment: chareaStd License: na

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

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	06/10/2020	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	765	0.00000	Gas

NOTES

Work Order Parts List

Repair Code:
Equipment: chareaStd
Work Order: 0000D22922

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea5td
Work Order: 0000022922

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	✓				

7/13/20 45 min

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

TECHNICIAN COPY

WO#: 0000023062
Date In: 07/24/2020 09:19
Date Promised: 07/25/2020 09:19
Date Out: 00:00
WO Status: A Last WO#:0000022922
WO Priority: Last WO Date: 06/22/2020
Track DownTime: Y Employee:

Equipment: charea5td License: na

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

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	08/10/2020	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	786	0.00000	Gas

CT

NOTES

Work Order Parts List

Repair Code:
Equipment: charea5td
Work Order: 0000023062

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea5td
Work Order: 0000023062

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	✓				

08/01/20
2hr

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

TECHNICIAN COPY

WO#: 0000023063
Date In: 07/24/2020 09:20
Date Promised: 07/25/2020 09:20
Date Out: 00:00
WO Status: A Last WO#:0000022923
WO Priority: Last WO Date: 06/22/2020
Track DownTime: Y Employee:

Equipment: charea6td License: na

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

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTO

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	08/10/2020	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	786 ET	0.00000	Gas

NOTES

Work Order Parts List

Repair Code:
Equipment: charea6td
Work Order: 0000023063

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea6td
Work Order: 0000023063

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	✓				

08/01/20
2 hr

FW

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

TECHNICIAN COPY

WO#: 0000023197
Date In: 08/24/2020 11:25
Date Promised: 08/25/2020 11:25
Date Out: 00:00
WO Status: A Last WO#:0000023062
WO Priority: Last WO Date: 07/24/2020
Track DownTime: Y Employee:

Equipment: charea5td License: na

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

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CH Area 5

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	09/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

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

NOTES

Work Order Report - WO# 0000023197 8/24/2020 11:29:51 AM

Work Order Parts List

Repair Code:
Equipment: charea5td
Work Order: 0000023197

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea5td
Work Order: 0000023197

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					

9/25/20

35 min.

FW

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

TECHNICIAN COPY

WO#: 0000023198
Date In: 08/24/2020 11:30
Date Promised: 08/25/2020 11:30
Date Out: 00:00
WO Status: A Last WO#:0000023063
WO Priority: Last WO Date: 07/24/2020
Track DownTime: Y Employee:

Equipment: charea6td License: na

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

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
CH Area 6

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Oue	Description
V	0 - MONTHS	09/10/2020	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

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

NOTES

Work Order Report - WO# 0000023198 8/24/2020 11:30:28 AM

Work Order Parts List

Repair Code:
Equipment: charea6td
Work Order: 0000023198

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMV BS
Equipment: charea6td
Work Order: 0000023198

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					

9/24/20 - 30 min.