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King County
Solid Waste Division
Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 701
Seattle, WA 98104-3855
206-477-4466
711 TTY Relay
www.kingcounty.gov/solidwaste

February 26, 2021

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

DS LB

VIA: Laura Belt, P.E., Interim Section Manager, Facility Engineering and Science Section (FESS), 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 Fourth 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 October 1st, 2020 through December 31st, 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 Fourth 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)
Laura Belt, P.E., Interim FESS Manager, SWD, DNRP

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King County
Solid Waste Division
Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 701
Seattle, WA 98104-3855
206-477-4466
711 TTY Relay
www.kingcounty.gov/solidwaste

February 26, 2021

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 Fourth 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 October 1st, 2020 through December 31st, 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 Fourth Quarter of 2020. This report addresses the activities specified in the "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 contact Laura Belt at 206-477-5215 or me at is 206-263-6921.

Sincerely,

DocuSigned by:
Subrina Tahsin
EF99840290E4443...

Subrina Tahsin
Engineer II

DocuSign Envelope ID: CD077C72-C6B6-4087-8280-5DFC502C9977

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)
Laura Belt, P.E., Interim Section Manager, FESS, SWD, DNRP

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CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

Fourth Quarter 2020

King County
Department of
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Solid Waste Division

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February 2021

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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)	☒	27, 28, 41
Static water level readings	415, (2)	☒	App B
Potentiometric surface elevation maps depicting flow direction	415, (2)	☒	App A
Flow rate – calculated	415, (2)	☒	App A
Cation-anion balances	430, (5a)	☒	29-31, 46
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	☐	
Trilinear diagrams	430, (5b)	☒	35, 36, 43, 44
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

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Subrina Talusin
EF99840290E4443...

Signature of Report Author | February 26, 2021 (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:** Interim Section Manager, Facility Engineering and Science Section	**Date:** February 26, 2021
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 CEDAR HILLS REGIONAL LANDFILL

SUMMARY OF QUARTERLY ENVIRONMENTAL MONITORING

FOURTH QUARTER OF 2020

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

This summary presented by the King County Solid Waste Division (KCSWD) 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 Fourth 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 and semi-annual 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:

Total Arsenic	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
Semi Annual Sampled Wells	MW-21, MW-24, MW-56, MW-64, MW-65, MW-73, MW-76, MW-82 MW-95	MW-67*, MW-86*, MW-88, MW-89, MW-100

*Also exceeded Primary Federal Ground Water Quality Criteria

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

Dissolved Iron	Upgradient and Crossgradient	Downgradient

Quarterly Sampled Wells	MW-59, MW-68, MW-113	MW-72, MW-75, MW-80, MW-87
Semi-Annual Sampled Wells	MW-21, MW-24, MW-65	MW-86, MW-89, MW-100

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

Dissolved Manganese	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68, MW-93, MW-113	MW-72, MW-75, MW-80, MW-87
Semi-Annual Sampled Wells	MW-21, MW-24, MW-56, MW-65, MW-95	MW-67, MW-89, MW-100

Exceedances of Primary Ground Water Quality Criteria were observed for vinyl chloride as listed below:

Vinyl Chloride	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	---	---
Semi Annual Sampled Wells	MW-24, MW-65	---

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

Trichloroethene	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-114, 115	---
Semi Annual Sampled Wells	MW-82; MW-76*	---

*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 2020. Calculated prediction limits and analytical results for WAC 173-351-990 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.

Exceedances of UPLs in groundwater monitoring wells were observed for Appendix I analytes as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-93* (total arsenic)	MW-87* (total zinc)
Semi-Annually Sampled Wells	MW-56 (total arsenic, total cobalt, total copper, total Vanadium), MW-76 (total barium), MW-24 (vinyl chloride)	MW-67 (total arsenic, total barium, total vanadium)

*Also had 2-of-3 UPL exceedances.

Monitoring wells MW-84 passed out of the re-testing protocol.

MW-67

3-of-3 prediction limit exceedances for total arsenic and barium at MW-67 have been previously reported to Public Health – Seattle and King County (PHSKC) and the Washington State Department of Ecology (Ecology) for the fourth quarter of 2019. Per the approved SAP protocol for 3-of-3 UPL exceedances, retesting for total arsenic and barium occurred at MW-67 and review of the analytical data was performed and found to be valid. Total barium concentrations remained below both the Primary Washington State Groundwater Standard, and the Federal Drinking Water standard. For total arsenic, concentrations at MW-67 remained below the Federal Drinking Water Maximum Contaminant Level (MCL), until the fourth quarter of 2020.

As an alternative to entering assessment monitoring (per the SAP), KCSWD, after discussion with PHSKC and Ecology, agreed to implement a well redevelopment and assessment program for MW-67, and also to develop a localized regional background study of existing arsenic concentrations in the vicinity of CHRLF using publicly available data.

MW-67 was investigated in December of 2020 by KCSWD and a licensed consultant hydrogeologist, with the intention of redeveloping the well. During the course of investigation, MW-67 was determined to be inadequate for groundwater monitoring due to damage to the well screen (as evidenced by filter pack sand present in the borehole), and inappropriate sizing of the well casing (diameter of the well was too small to allow redevelopment). It was determined that this well will be decommissioned, and a replacement well drilled adjacent to the existing wellhead in a future project.

The localized regional background study for total arsenic concentrations is underway and will be submitted to PHSKC and Ecology for review and commenting as an agency draft technical memorandum before issuance of the final technical memorandum.

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, and semi-annually monitored wells MW-56 and MW-76;
- Trichloroethene (TCE) was detected in quarterly monitored wells MW-83, MW-94, MW-114, and MW-115 and semi-annually monitored wells MW-76 and MW-82;
- Tetrachloroethene (PCE) was detected in semi-annually monitored well MW-76;
- Vinyl Chloride was detected in quarterly monitored wells MW-24 and MW-94 and semi-annually monitored well MW-65.

These upgradient well detections are consistent with past data and continuing migration from QCF. Other volatile detections in upgradient and crossgradient regional wells in this quarter are in MW-21 and MW-64 and include acetone which is commonly found as laboratory contamination at low concentrations. These detections for this quarter are qualified 'JT', indicating detections were below the reporting detection limit but greater than the method detection limit (T qualifier), and reported as "estimated" (J qualifier).

Other volatile detections this quarter in downgradient regional well samples include carbon disulfide and Vinyl Chloride. About half of these detections for this quarter are qualified 'JT', indicating detections were below the reporting detection limit but greater than the method detection limit (T qualifier), and reported as "estimated" (J qualifier). Another half of these detections are qualified 'DJLT', indicating detections were Diluted (D qualifier) and below the reporting detection limit but greater than the method detection limit (T qualifier), reported as "estimated" (J qualifier) and estimated with high bias (L qualifier).

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 EPZ monitoring wells MW-30A, MW-47, MW-62, MW-102, MW-103, MW-104, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, and MW-EB6. MW-101 near the former SSWA was also sampled. Groundwater quality data from Perched Zones wells collected during the fourth 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 204.6 µmhos/cm.

Analytical Results

Exceedances of regulatory standards for the perched zone wells are tabulated and presented in Table 7. All are consistent with past analyses and known impacts. MW-47 also exceeded Primary Federal Ground Water Quality Criteria for vinyl chloride.

KCSWD issued an Independent Remedial Action in the East Perched Zone (EPZ) under the Model Toxics Control Act (MTCA) in December of 2016. EPZ Phase 1 Interim Actions were completed in June of 2020. Preparation for Phase 2 of the EPZ RI/FS project is currently in the planning stages.

Trilinear Diagrams and Ion Balance

Trilinear plots for Perched Zone samples are all within the calcium-magnesium-bicarbonate hydrochemical facie, consistent with past samples (Figures 7 and 8).

Ion balance calculations (Table 8) indicate no analytical error (> 10%) in any perched wells.

Prediction Limits

As with the regional data, perched zone prediction limits are derived from cumulative data through the end of 2020. Calculated prediction limits for WAC 173-351-990 Appendix I parameters along with analytical results are presented in Table 9.

MW-47 had an initial UPL exceedance for Total Vanadium for Perched Zone wells in the fourth quarter of 2020 and will be evaluated per the 1-of-3 retesting protocol, as outlined in the SAP.

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. Data points are qualified 'JT', 'DJLT', 'L', 'DL' in Table 10. Qualifier 'JT' indicates detections were below the reporting detection limit but greater than the method detection limit (T qualifier) and reported as "estimated" (J qualifier). Qualifier 'D' indicates detections were diluted while detections estimated with high bias are qualified "L".

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 13. 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 fourth quarter of 2020 are listed in Table 12. One effluent limitation exceedance occurred during the fourth quarter of 2020. The stormwater discharge occurring on October 12, 2020 contained elevated levels of turbidity and total suspended solids. Subsequent monitoring suggest that the discharge was anomalous, and the exceedance was brief. No corrective actions were required to restore compliance. The exceedance was documented in a 5-Day Report submitted to WDOE, as required by the permit. 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 created for this CSWGP permit. This permit is still active and will be in effect through the duration of the construction project.

Four (4) discharge locations are monitored weekly for compliance with the CSWGP in accordance with the SWPPP by the contractor. The construction contractor also inspects 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).

There were no CSWGP exceedances at all monitoring locations during the fourth 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 the fourth quarter of 2020 are located in Appendix B.

No compliance probe methane detections occurred during the fourth quarter of 2020.

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 fourth 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 fourth 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 increases; operational adjustments to increase LFG recovery rates; off-site structure monitoring; and preparation of a response plan. Operational review resulted in modifications to enhance extraction from unlined areas and under liner spaces that could potentially act as gas conveyance pathways. The plan resulted in installation of 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, methane was detected at monitoring location MGPW1710D at 0.5% and 2.9% by volume. 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 set forth 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

$\bar{y}$ = 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 WAC 173-351-990 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 3-of-3 retesting plan is used for any exceedances of the intra-well UPLs at CHRLF to assess for statistically significant changes in groundwater quality. This retesting plan provides adequate statistical power and minimizes Type II (False Negative) errors, while providing retesting that accommodates lab turnaround time, data review, and scheduling. This test is performed on parameters listed in WAC 173-351-990 Appendix I and is used to detect a change in the population distribution of the individual well.

2.4 Laboratory Data Quality

Laboratory analytical data is reviewed to verify meeting data quality objectives (DQOs) as defined in the QAPP. Occasionally, results identified during this process are deemed 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.

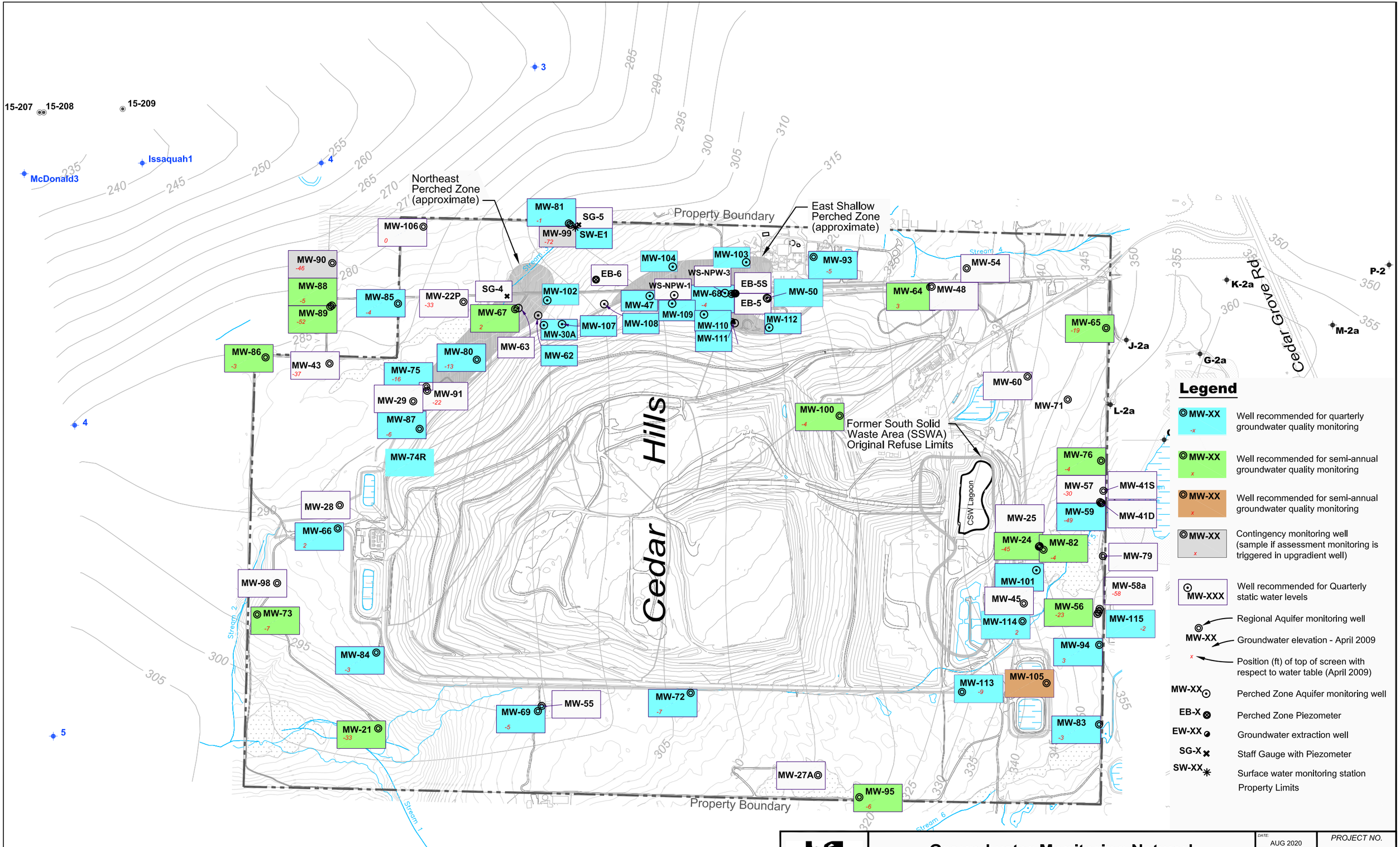
2.4.2 Analytical Uncertainty and Data Review

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.

3.0 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) *Cedar Hills Regional Landfill – EPZ Extraction Well Decommissioning Technical Memorandum, Phase 1*, July 2018.
4) Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, EPA, 2009.

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Legend

- MW-XX -x — Well recommended for quarterly groundwater quality monitoring
- MW-XX x — Well recommended for semi-annual groundwater quality monitoring
- MW-XX x — Well recommended for semi-annual groundwater quality monitoring
- MW-XX x — Contingency monitoring well (sample if assessment monitoring is triggered in upgradient well)
- MW-XXX — Well recommended for Quarterly static water levels
- MW-XX — Regional Aquifer monitoring well
- MW-XX — Groundwater elevation - April 2009
- x — Position (ft) of top of screen with respect to water table (April 2009)
- MW-XX — Perched Zone Aquifer monitoring well
- EB-X — Perched Zone Piezometer
- EW-XX — Groundwater extraction well
- SG-X — Staff Gauge with Piezometer
- SW-XX — Surface water monitoring station
- Property Limits

King County

Groundwater Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE: AUG 2020
DESIGNED BY:
DRAWN BY:
REVISED BY:
PROJECT NO.
FIGURE NO. **FIG. 1**

CAD Path: S:\CAD\CEDARHIL\CH Monitoring well and GP for CLEE quarterly Aug 2020\Fig 7.1 - Fig 1\Fig 1 GW Monitoring Network Aug 2020 2 change background map.dwg Figure 7.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 14, 2021 4:13pm User: uedag

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Property Boundary

SW-E1

SG-5

SW-S3

SW-SL3

SW-PF

PIPELINE

Stream 3

Stream 4

Meteorological Station Location

Cedar Hills

Cedar Grove Rd

CSW Lagoon

Queen City Lake

SW-SV

SG-3

SW-S2

SG-7

Stream 2

SG-S1

SW-GS1

SG-6

SW-N4

SG-2

SW-N1

LEPI Decommissioned

SG-9

SW-S1

SW-W1

SG-1

SW-W2

SG-8

Stream 1

Stream 6

Property Boundary

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
- Property Limits

N

0 800 1600

Feet

16

King County

Surface Water and Storm Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE: AUG 2020

DESIGNED BY:

DRAWN BY:

REVISED BY:

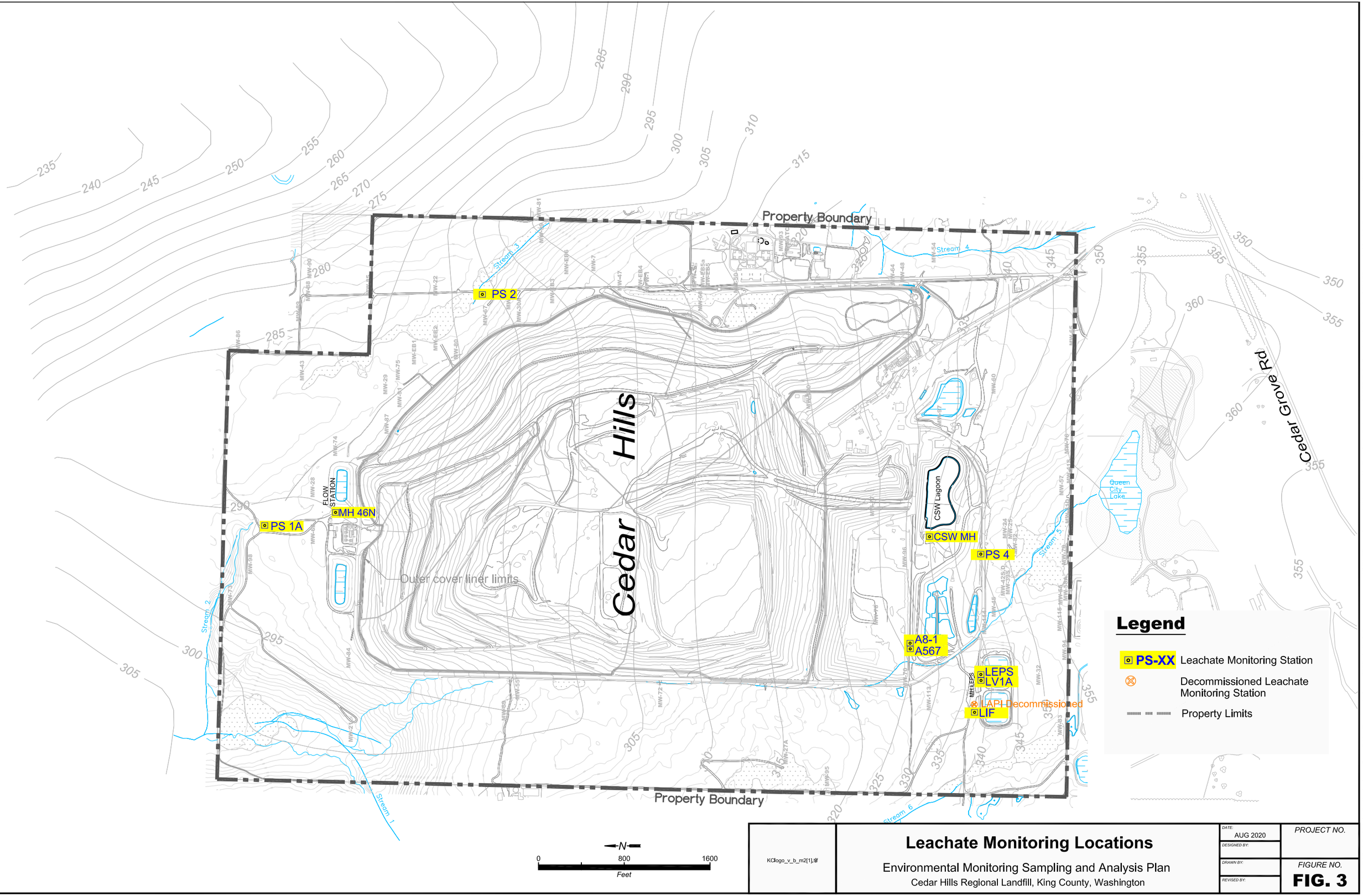
PROJECT NO.

FIGURE NO.

FIG. 2

CAD Path: S:\CAD\CEDARHIL\CH Monitoring well and GP for CLEE quarterly Aug 2020\Fig 2\Fig 2 Surface water and stormwater monitoring network.dwg Figure 7.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 14, 2021 9:16am || User:

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Leachate Monitoring Locations

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE: AUG 2020

DESIGNED BY:

DRAWN BY:

REVISED BY:

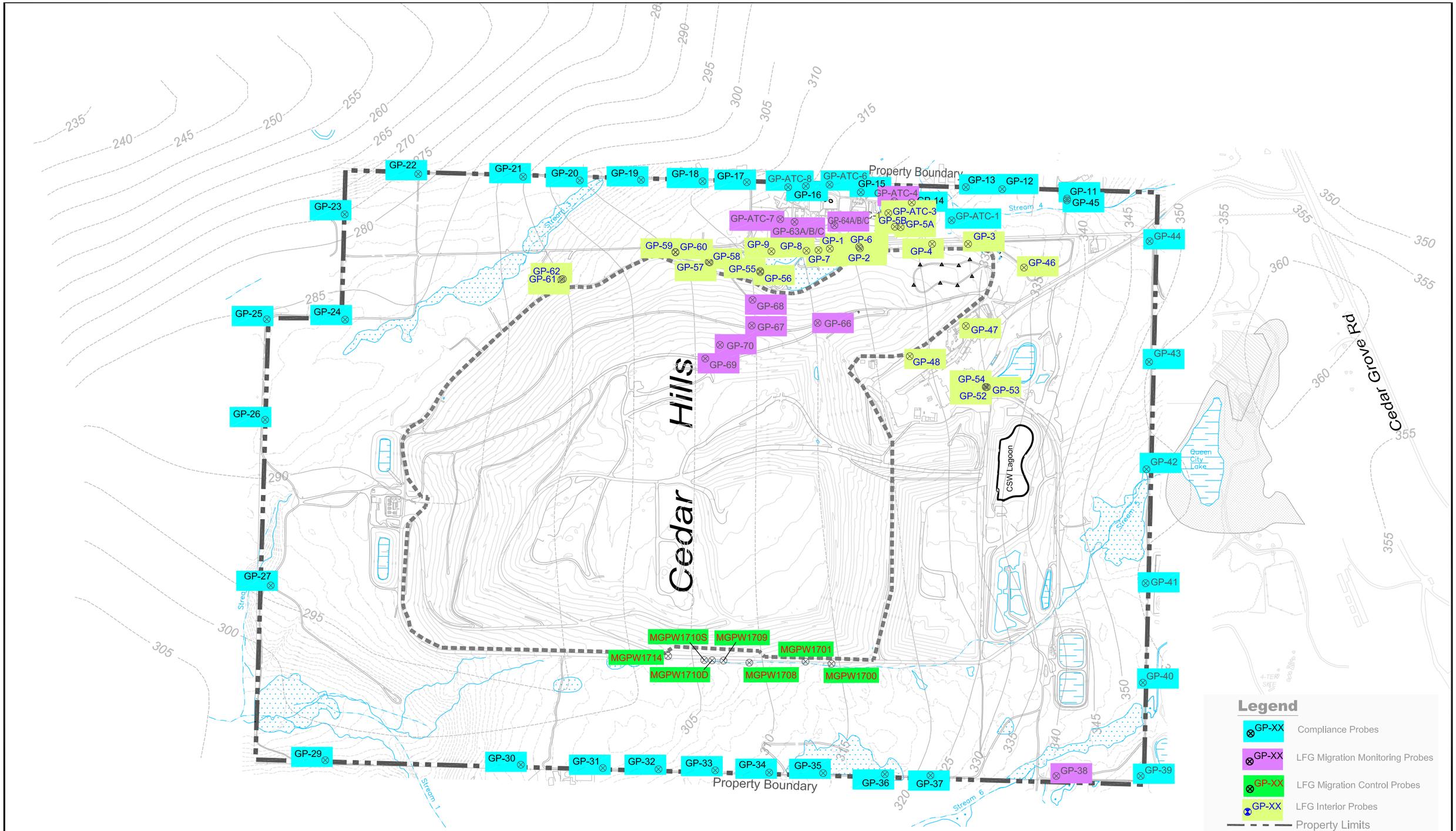
PROJECT NO.

FIGURE NO.

FIG. 3

CAD Path: S:\CAD\CEDARHILL\CH Monitoring well and GP for CLEE quarterly Aug 2020\Fig 3 Fig 3 Leachate map rev 12-21-20.dwg Figure 7.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 14, 2021 4:21pm || User: uedag

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King County

Landfill Gas Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE:	PROJECT NO.
AUG 2020	
DESIGNED BY:	
DRAWN BY:	FIGURE NO.
REVISED BY:	**FIG. 4**

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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
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	WL only	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
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to
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
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
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
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		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	12/7/83	EPZ	Assessment	WL only	Quarterly	None	
MW-41D	3	51	12/7/83	EPZ	Assessment	WL only	Quarterly		
MW 45	2	64	5/17/1985	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	24/5/85	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-50	2	40	6/03/85	EPZ	Assessment		Quarterly	Quarterly	
MW 55	2	67	10/02/86	EPZ	Assessment	WL only	Quarterly	None	
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	6/2/06	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 4TH QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	10/1/20	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	10/1/20	Groundwater Elevation Measurement	--	South half of landfill.
MW-21	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-21	Regional	10/2/2020	Semi-annual Groundwater Sampling	W21-201002-	
MW-22	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-24	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-24	Regional	10/8/2020	Semi-annual Groundwater Sampling	W24-201008-	
MW-25	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-27A	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-28	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-29	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-30A	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-30A	Perched	10/19/2020	Quarterly Groundwater Sampling	W30A201019-	
MW-41D	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-41S	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-43	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-45	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-47	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-47	Perched	10/19/2020	Quarterly Groundwater Sampling	W47-201019-	
MW-47	Perched	10/20/2020	Quarterly Groundwater Sampling	W47-201020-	
MW-48	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-50	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-54	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-55	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-56	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-56	Regional	10/13/2020	Semi-annual Groundwater Sampling	W56-201013-	
MW-56	Regional	10/13/2020	QA/QC Sample	W56-201013D	Field Duplicate
MW-57	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-58A	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-59	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-59	Regional	10/15/2020	Quarterly Groundwater Sampling	W59-201015-	
MW-60	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-62	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-63	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-64	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-64	Regional	10/7/2020	Semi-annual Groundwater Sampling	W64-201007-	
MW-65	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-65	Regional	10/15/2020	Semi-annual Groundwater Sampling	W65-201015-	
MW-66	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-66	Regional	10/6/2020	Quarterly Groundwater Sampling	W66-201006-	
MW-67	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-67	Regional	10/6/2020	Semi-annual Groundwater Sampling	W67-201006-	
MW-68	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-68	Regional	10/14/2020	Quarterly Groundwater Sampling	W68-201014-	
MW-69	Regional	10/1/20	Groundwater Elevation Measurement	NA	Damaged - no measurement taken
MW-72	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-72	Regional	10/12/2020	Quarterly Groundwater Sampling	W72-201012-	
MW-73	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-73	Regional	10/2/2020	Semi-annual Groundwater Sampling	W73-201002-	
MW-74R	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-74R	Regional	10/2/2020	Quarterly Groundwater Sampling	W74R201002-	
MW-74R	Regional	10/2/2020	QA/QC Sample	W74R201002D	
MW-75	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-75	Regional	10/2/2020	Quarterly Groundwater Sampling	W75-201002-	
MW-76	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-76	Regional	10/16/2020	Semi-annual Groundwater Sampling	W76-201016-	
MW-79	Regional	10/1/20	Groundwater Elevation Measurement	NA	Damaged - no measurement taken
MW-80	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-80	Regional	10/14/2020	Quarterly Groundwater Sampling	W80-201014-	
MW-81	Regional	10/1/20	Groundwater Elevation Measurement	NA	

TABLE 2

CEDAR HILLS REGIONAL LANDFILL:

GROUNDWATER MONITORING ACTIVITIES 4TH QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-81	Regional	10/14/2020	Quarterly Groundwater Sampling	W81-201014-	
MW-82	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-82	Regional	10/16/2020	Semi-annual Groundwater Sampling	W82-201016-	
MW-83	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-83	Regional	10/16/2020	Quarterly Groundwater Sampling	W83-201016-	
MW-83	Regional	10/16/2020	QA/QC Sample	W83-201016D	
MW-84	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-84	Regional	10/13/20	Quarterly Groundwater Sampling	W84-201013-	
MW-85	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-85	Regional	10/7/2020	Quarterly Groundwater Sampling	W85-201007-	
MW-86	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-86	Regional	10/7/2020	Semi-annual Groundwater Sampling	W86-201007-	
MW-87	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-87	Regional	10/13/2020	Quarterly Groundwater Sampling	W87-201013-	
MW-88	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-88	Regional	10/6/2020	Semi-annual Groundwater Sampling	W88-201006-	
MW-89	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-89	Regional	10/6/2020	Semi-annual Groundwater Sampling	W89-201006-	
MW-90	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-91	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-93	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-93	Regional	10/7/2020	Quarterly Groundwater Sampling	W93-201007-	
MW-94	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-94	Regional	10/16/2020	Quarterly Groundwater Sampling	W94-201016-	
MW-95	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-95	Regional	10/12/2020	Semi-annual Groundwater Sampling	W95-201012-	
MW-98	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-99	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-100	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-100	Regional	10/8/2020	Semi-annual Groundwater Sampling	W100201008-	
MW-101	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-101	Perched	10/22/2020	Quarterly Groundwater Sampling	W101201022-	
MW-102	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-102	Perched	10/19/2020	Quarterly Groundwater Sampling	W102201019-	
MW-103	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-103	Perched	10/16/2020	Quarterly Groundwater Sampling	W103200505-	
MW-103	Perched	10/16/2020	QA/QC Sample	W103201016D	
MW-104	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-105	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-106	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-107	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-107	Perched	10/19/2020	Quarterly Groundwater Sampling	W107201019-	
MW-109	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-110	Perched	10/20/2020	Quarterly Groundwater Sampling	W110201020-	
MW-110	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-111	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-112	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-113	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-113	Regional	10/16/2020	Quarterly Groundwater Sampling	W113201016-	
MW-114	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-114	Regional	10/15/2020	Quarterly Groundwater Sampling	W114201015-	
MW-115	Regional	10/1/20	Groundwater Elevation Measurement	NA	
MW-115	Regional	10/20/2020	Quarterly Groundwater Sampling	W115201020-	
MW-EB5	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	10/1/20	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	10/1/20	Groundwater Elevation Measurement	NA	
WS-NPW-1	Regional	10/1/20	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	10/1/20	Groundwater Elevation Measurement	NA	
Field Blank		10/2/2020	QA/QC Sample	W21-201002F	
Field Blank		10/7/2020	QA/QC Sample	W86-201007F	
Field Blank		10/16/2020	QA/QC Sample	W94201016F	
Field Blank		10/19/2020	QA/QC Sample	W107201019F	

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from October 1, 2020 to December 31, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
pH (Field)	pH Units	MW-115	10/20/2020	W115201020-	6.48
		MW-73	10/20/2020	W73-201002-	6.41
		MW-76	10/16/2020	W76-201016-	6.42
		MW-94	10/16/2020	W94-201016-	6.36
Arsenic, Total	mg/L	MW-113	10/16/2020	W113201016-	0.000571
		MW-114	10/15/2020	W114201015-	0.000289
		MW-115	10/20/2020	W115201020-	0.000301
		MW-21	10/2/2020	W21-201002-	0.00088
		MW-24	10/8/2020	W24-201008-	0.000493
		MW-56	10/13/2020	W56-201013-	0.00253
		MW-59	10/15/2020	W59-201015-	0.000436
		MW-64	10/7/2020	W64-201007-	0.00209
		MW-65	10/15/2020	W65-201015-	0.00111
		MW-66	10/6/2020	W66-201006-	0.000665
		MW-68	10/14/2020	W68-201014-	0.0345
		MW-73	10/2/2020	W73-201002-	0.000735
		MW-76	10/16/2020	W76-201016-	0.000215
		MW-81	10/14/2020	W81-201014-	0.000529
		MW-82	10/16/2020	W82-201016-	0.000264
		MW-83	10/16/2020	W83-201016-	0.000396
		MW-84	10/13/2020	W84-201013-	0.000332
		MW-93	10/7/2020	W93-201007-	0.00144
		MW-94	10/16/2020	W94-201016-	0.000131
		MW-95	10/12/2020	W95-201012-	0.00106
Iron, Dissolved	mg/L	MW-113	10/16/2020	W113201016-	1.17
		MW-21	10/2/2020	W21-201002-	1.73
		MW-24	10/8/2020	W24-201008-	3.51
		MW-59	10/15/2020	W59-201015-	4.53
		MW-65	10/15/2020	W65-201015-	2.87
		MW-68	10/14/2020	W68-201014-	0.536
Manganese, Dissolved	mg/L	MW-113	10/16/2020	W113201016-	0.415
		MW-21	10/2/2020	W21-201002-	0.106
		MW-24	10/8/2020	W24-201008-	0.109
		MW-56	10/13/2020	W56-201013-	0.221
		MW-59	10/15/2020	W59-201015-	0.138
		MW-65	10/15/2020	W65-201015-	0.131
		MW-68	10/14/2020	W68-201014-	0.279
		MW-93	10/7/2020	W93-201007-	0.154
		MW-95	10/12/2020	W95-201012-	0.161
Trichloroethene	µg/L	MW-114	10/15/2020	W114201015-	9.38
		MW-115	10/20/2020	W115201020-	4.79
		MW-76	10/16/2020	W76-201016-	7.63
		MW-82	10/16/2020	W82-201016-	4.22
Vinyl Chloride	µg/L	MW-24	10/8/2020	W24-201008-	0.0276
		MW-65	10/15/2020	W65-201015-	0.0288 DL

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from October 1, 2020 to December 31, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Downgradient Wells					
pH (Field)	pH Units	MW-85	10/7/2020	W85-201007-	6.42
		MW-86	10/7/2020	W86-201007-	6.3
Arsenic, Total	**mg/L**	MW-100	10/8/2020	W100201008-	0.00134
		MW-67	10/6/2020	W67-201006-	0.0101
		MW-72	10/12/2020	W72-201012-	0.000117
		MW-74R	10/2/2020	W74R201002-	0.000743
		MW-75	10/2/2020	W75-201002-	0.000419
		MW-80	10/14/2020	W80-201014-	0.00365
		MW-85	10/7/2020	W85-201007-	0.0007
		MW-86	10/7/2020	W86-201007-	0.012
		MW-87	10/13/2020	W87-201013-	0.00143
		MW-88	10/6/2020	W88-201006-	0.000995
		MW-89	10/6/2020	W89-201006-	0.00268
Iron, Dissolved	mg/L	MW-100	10/8/2020	W100201008-	0.764
		MW-72	10/12/2020	W72-201012-	2.55
		MW-75	10/2/2020	W75-201002-	2.5
		MW-80	10/14/2020	W80-201014-	2.21
		MW-86	10/7/2020	W86-201007-	0.741 D
		MW-87	10/13/2020	W87-201013-	4.69
		MW-89	10/6/2020	W89-201006-	1.26 D
Manganese, Dissolved	mg/L	MW-100	10/8/2020	W100201008-	0.14
		MW-67	10/6/2020	W67-201006-	0.382
		MW-72	10/12/2020	W72-201012-	0.338
		MW-75	10/2/2020	W75-201002-	0.214
		MW-80	10/14/2020	W80-201014-	0.329
		MW-87	10/13/2020	W87-201013-	0.485
		MW-89	10/6/2020	W89-201006-	0.249
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 Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 1, 2020 to December 31, 2020)

			Upgradient and Crossgradient																	
Site ID			**MW-21**			**MW-24**			**MW-56**			**MW-59**			**MW-64**			**MW-65**		
			10/2/2020			10/8/2020			10/13/2020			10/15/2020			10/7/2020			10/15/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			7.4			6.9			7.0			6.8			6.7			6.7		
Conductance			140			185			255			228			191			145		
TDSobs			97			105			137			127			136			84		
Calcium	40.1	2	12.0	0.598802	39.6	14.0	0.698603	37.3	24.5	1.222555	45.5	18.5	0.923154	39.3	16.2	0.808383	38.0	11.4	0.568862	38.2
Magnesium	24.3	2	6.7	0.551327	36.5	9.3	0.767743	41.0	13.6	1.119111	41.7	11.5	0.946307	40.3	11.7	0.962765	45.3	6.8	0.561201	37.7
Potassium	39.1	1	1.1	0.027878	1.8	0.9	0.023965	1.3	1.3	0.032738	1.2	1.1	0.02839	1.2	1.4	0.035551	1.7	0.8	0.021075	1.4
Sodium	23.0	1	6.1	0.26403	17.5	5.8	0.251416	13.4	7.0	0.302743	11.3	6.5	0.284039	12.1	7.3	0.317098	14.9	5.3	0.230102	15.5
Iron	55.8	2	1.73	0.061955	4.1	3.51	0.125701	6.7	0.01	0.000448	0.0	4.53	0.162229	6.9	0.01	0.000358	0.0	2.87	0.102781	6.9
Manganese	54.9	2	0.11	0.003859	0.3	0.11	0.003968	0.2	0.22	0.008045	0.3	0.14	0.005024	0.2	0.03	0.000987	0.0	0.13	0.004769	0.3
Ammonia-N	14.0	1	0.04	0.003163	0.2	0.04	0.002756	0.1	0.00	0.000143	0.0	0.01	0.000435	0.0	0.03	0.002028	0.1	0.00	0.000243	0.0
Total Cations (meq/L)				**1.5**			**1.9**			**2.7**			**2.3**			**2.1**			**1.5**	
Anions																				
Alkalinity, Total			60			66			84			72			84			50		
Carbonate	60.0	2	0.0865	0.002883	0.2	0.03127	0.001042	0.1	0.04926	0.001642	0.1	0.02859	0.000953	0.0	0.02577	0.000859	0.0	0.01587	0.000529	0.0
Bicarbonate	61.0	1	73.15	1.198936	86.2	79.85	1.30876	78.0	102.26	1.676105	68.6	87.78	1.43883	68.8	101.94	1.670889	84.4	61.33	1.005319	75.7
Chloride	35.5	1	2.3	0.063464	4.6	5.5	0.154853	9.2	20.8	0.586692	24.0	12.1	0.341297	16.3	2.8	0.078132	3.9	5.1	0.144981	10.9
Nitrate-N	14.0	1	0.01	0.000714	0.1	0.01	0.000714	0.0	0.01	0.000714	0.0	0.01	0.000714	0.0	0.01	0.000714	0.0	0.01	0.000714	0.1
Sulfate	96.1	2	6.0	0.124717	9.0	10.2	0.212373	12.7	8.5	0.17781	7.3	14.8	0.308148	14.7	11.0	0.229029	11.6	8.5	0.176769	13.3
Total Anions (meq/L)				**1.4**			**1.7**			**2.4**			**2.1**			**2.0**			**1.3**	
Total Ions (meq/L)				**2.9**			**3.6**			**5.1**			**4.4**			**4.1**			**2.8**	
Cation/Anion Ratio				**1.09**			**1.12**			**1.10**			**1.12**			**1.07**			**1.12**	
Percent Difference				**4.1**			**5.5**			**4.7**			**5.8**			**3.6**			**5.7**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				1.44			1.74			2.68			2.18			2.12			1.38	
Calcium					41.52			40.11			45.67			42.31			38.06			41.18
Magnesium					38.23			44.08			41.80			43.37			45.33			40.63
Sodium + Potassium					20.24			15.81			12.53			14.32			16.60			18.18
														100.0						
sum (SO_4, Cl, HCO_3+CO_3)				1.39			1.68			2.44			2.09			1.98			1.33	
Sulfate					8.972			12.664			7.281			14.749			11.574			13.315
Chloride					4.566			9.234			24.023			16.336			3.948			10.921
Bicarbonate + Carbonate					86.462			78.103			68.697			68.915			84.478			75.765
														100.0						

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 1, 2020 to December 31, 2020)

			Upgradient and Crossgradient																		
Site ID			**MW-66**			**MW-73**			**MW-76**			**MW-81**			**MW-82**			**MW-83**			**MW-84**		
			10/6/2020			10/2/2020			10/16/2020			10/14/2020			10/16/2020			10/16/2020			10/13/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.7			6.4			6.4			6.7			6.8			6.6			6.7		
Conductance			204			132			367			167			303			617			204		
TDSobs			135			104			180			105			200			418			120		
Calcium	40.1	2	16.3	0.813373	36.6	11.8	0.58882	43.0	26.0	1.297405	46.0	14.2	0.708583	42.8	28.0	1.397206	43.6	67.1	3.348303	51.2	17.5	0.873253	38.0
Magnesium	24.3	2	12.8	1.053281	47.4	6.1	0.50113	36.6	11.8	0.970994	34.4	7.8	0.644312	38.9	17.1	1.407118	43.9	29.3	2.411027	36.9	12.9	1.06151	46.2
Potassium	39.1	1	1.1	0.027623	1.2	0.8	0.02041	1.5	1.5	0.038365	1.4	0.8	0.020052	1.2	1.7	0.043992	1.4	3.5	0.090029	1.4	1.2	0.03018	1.3
Sodium	23.0	1	7.5	0.325362	14.7	5.9	0.25707	18.8	11.8	0.513272	18.2	6.5	0.28143	17.0	8.2	0.35755	11.2	15.7	0.682912	10.5	7.7	0.332757	14.5
Iron	55.8	2	0.01	0.000358	0.0	0.01	0.00036	0.0	0.01	0.000358	0.0	0.01	0.000358	0.0	0.01	0.000358	0.0	0.01	0.000358	0.0	0.01	0.000358	0.0
Manganese	54.9	2	0.00	3.64E-06	0.0	0.00	5.5E-06	0.0	0.00	3.64E-06	0.0	0.00	4.3E-06	0.0	0.00	3.64E-06	0.0	0.01	0.000379	0.0	0.00	0.000164	0.0
Ammonia-N	14.0	1	0.00	0.000143	0.0	0.00	0.00014	0.0	0.01	0.000528	0.0	0.00	0.000143	0.0	0.01	0.000414	0.0	0.02	0.001613	0.0	0.00	0.000143	0.0
Total Cations (meq/L)				**2.2**			**1.4**			**2.8**			**1.7**			**3.2**			**6.5**			**2.3**	
Anions																							
Alkalinity, Total			83			50			85			56			117			215			78		
Carbonate	60.0	2	0.02275	0.000758	0.0	0.00777	0.00026	0.0	0.01344	0.000448	0.0	0.0173	0.000577	0.0	0.04047	0.001349	0.0	0.04693	0.001564	0.0	0.021026	0.000701	0.0
Bicarbonate	61.0	1	100.97	1.654992	79.9	61.35	1.00559	77.1	103.67	1.699296	63.4	68.41	1.121254	70.7	142.66	2.338298	76.8	262.20	4.297787	69.2	95.48	1.565063	77.5
Chloride	35.5	1	4.1	0.114518	5.5	2.2	0.06149	4.7	23.0	0.648746	24.2	5.1	0.144417	9.1	12.6	0.3554	11.7	56.5	1.593659	25.7	4.1	0.115928	5.7
Nitrate-N	14.0	1	0.49	0.034983	1.7	1.14	0.08139	6.2	0.24	0.016992	0.6	1.56	0.111373	7.0	0.99	0.07075	2.3	1.51	0.107803	1.7	0.15	0.010638	0.5
Sulfate	96.1	2	12.8	0.266507	12.9	7.5	0.15532	11.9	15.1	0.314395	11.7	10.0	0.208	13.1	13.4	0.278999	9.2	10.1	0.21029	3.4	15.7	0.326887	16.2
Total Anions (meq/L)				**2.1**			**1.3**			**2.7**			**1.6**			**3.0**			**6.2**			**2.0**	
Total Ions (meq/L)				**4.3**			**2.7**			**5.5**			**3.2**			**6.3**			**12.7**			**4.3**	
Cation/Anion Ratio				**1.07**			**1.05**			**1.05**			**1.04**			**1.05**			**1.05**			**1.14**	
Percent Difference				**3.5**			**2.4**			**2.6**			**2.1**			**2.6**			**2.5**			**6.5**	
Trilinear Diagram Data																							
sum (Ca, Mg, Na+K)				2.22			1.37			2.82			1.65			3.21			6.53			2.30	
Calcium					36.64			43.06			46.01			42.83			43.58			51.26			38.01
Magnesium					47.45			36.65			34.43			38.95			43.89			36.91			46.20
Sodium + Potassium					15.90			20.29			19.56			18.22			12.53			11.83			15.80
											100.0												100.0
sum (SO_4, Cl, HCO_3+CO_3)				2.04			1.22			2.66			1.47			2.97			6.10			2.01	
Sulfate					13.085			12.704			11.807			14.109			9.381			3.446			16.275
Chloride					5.623			5.029			24.363			9.796			11.950			26.111			5.772
Bicarbonate + Carbonate					81.293			82.267			63.831			76.095			78.669			70.443			77.954
											100.0												

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 1, 2020 to December 31, 2020)

			Upgradient and Crossgradient															
Site ID			**MW-113**			**MW-114**			**MW-115**			**MW-93**			**MW-94**			**MW-95**		
			10/16/2020			10/15/2020			10/20/2020			10/7/2020			10/16/2020			10/12/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			7.3			6.9			6.5			6.9			6.4			7.3		
Conductance			398			269			283			313			338			230		
TDSobs			245			174			182			214			227			135		
Calcium	40.1	2	38.5	1.921158	46.2	25.3	1.262475	48.1	28.7	1.43213573	50.8	32.0	1.59680639	45.8	35.2	1.75648703	50.8	22.0	1.09780439	46.8
Magnesium	24.3	2	20.9	1.719811	41.4	12.5	1.028595	39.2	12.4	1.02036618	36.2	17.0	1.39888912	40.2	15.5	1.27545772	36.9	11.5	0.94630734	40.3
Potassium	39.1	1	2.0	0.052176	1.3	1.9	0.048851	1.9	1.8	0.04706087	1.7	1.5	0.03836484	1.1	2.3	0.05984915	1.7	1.1	0.02864575	1.2
Sodium	23.0	1	9.3	0.405833	9.8	6.6	0.285344	10.9	7.4	0.31970742	11.3	10.1	0.43932584	12.6	8.3	0.3619001	10.5	6.1	0.26533541	11.3
Iron	55.8	2	1.17	0.0419	1.0	0.01	0.000358	0.0	0.01	0.00035812	0.0	0.01	0.00035812	0.0	0.01	0.00035812	0.0	0.01	0.00035812	0.0
Manganese	54.9	2	0.42	0.015108	0.4	0.00	2.61E-05	0.0	0.03	0.0012414	0.0	0.15	0.00560632	0.2	0.00	7.8634E-06	0.0	0.16	0.00586115	0.2
Ammonia-N	14.0	1	0.02	0.001114	0.0	0.01	0.000386	0.0	0.01	0.0003998	0.0	0.05	0.00357678	0.1	0.00	0.00032841	0.0	0.03	0.00192047	0.1
Total Cations (meq/L)				**4.2**			**2.6**			**2.8**			**3.5**			**3.5**			**2.3**	
Anions																				
Alkalinity, Total			139			96			94			118			120			88		
Carbonate	60.0	2	0.16647	0.005549	0.1	0.04699	0.001566	0.1	0.01697702	0.00056591	0.0	0.05379391	0.00179315	0.1	0.01652962	0.00055099	0.0	0.09569603	0.00318991	0.1
Bicarbonate	61.0	1	169.24	2.774033	71.1	117.27	1.922144	74.1	114.04	1.86915219	69.1	143.85	2.35785126	72.8	146.37	2.39908718	73.0	106.68	1.74854642	77.7
Chloride	35.5	1	32.7	0.922348	23.6	15.2	0.428737	16.5	18.5	0.52181762	19.3	2.6	0.07220828	2.2	24.6	0.6938764	21.1	6.3	0.17685386	7.9
Nitrate-N	14.0	1	0.01	0.000714	0.0	1.43	0.102092	3.9	1.99	0.14207182	5.3	0.03	0.00221318	0.1	0.57	0.04097951	1.2	0.01	0.00071393	0.0
Sulfate	96.1	2	9.5	0.198423	5.1	6.8	0.140957	5.4	8.2	0.16968985	6.3	38.6	0.80368446	24.8	7.4	0.15365781	4.7	15.4	0.32064095	14.3
Total Anions (meq/L)				**3.9**			**2.6**			**2.7**			**3.2**			**3.3**			**2.2**	
Total Ions (meq/L)				**8.1**			**5.2**			**5.5**			**6.7**			**6.7**			**4.6**	
Cation/Anion Ratio				**1.07**			**1.01**			**1.04**			**1.08**			**1.05**			**1.04**	
Percent Difference				**3.2**			**0.6**			**2.1**			**3.6**			**2.5**			**2.1**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				4.10			2.63			2.82			3.47			3.45			2.34	
Calcium					46.87			48.09			50.80			45.97			50.86			46.95
Magnesium					41.96			39.18			36.19			40.27			36.93			40.47
Sodium + Potassium					11.17			12.73			13.01			13.75			12.21			12.57
					100.0									100.0						
sum (SO_4, Cl, HCO_3+CO_3)				3.90			2.49			2.56			3.24			3.25			2.25	
Sulfate					5.087			5.653			6.625			24.839			4.732			14.256
Chloride					23.648			17.195			20.374			2.232			21.369			7.863
Bicarbonate + Carbonate					71.265			77.152			73.001			72.929			73.899			77.882

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 1, 2020 to December 31, 2020)

			Downgradient to Waste Cells and North End Facilities															
Site ID			**MW-68**			**MW-67**			**MW-72**			**MW-74R**			**MW-75**			**MW-80**		
			10/14/2020			10/6/2020			10/12/2020			10/2/2020			10/2/2020			10/14/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			7.0			6.5			7.0			6.8			6.7			6.8		
Conductance			275			369			349			531			388			319		
TDSobs			159			241			208			331			258			197		
Calcium	40.1	2	26.7	1.332335	44.9	39.0	1.946108	46.1	32.2	1.606786	42.9	45.2	2.255489	39.5	31.4	1.566866	38.7	31.6	1.576846	45.7
Magnesium	24.3	2	14.4	1.184941	39.9	21.5	1.769183	41.9	19.7	1.621066	43.3	34.7	2.85538	50.0	23.4	1.92553	47.6	16.8	1.382432	40.1
Potassium	39.1	1	1.5	0.039388	1.3	1.8	0.046038	1.1	1.8	0.045526	1.2	2.1	0.054734	1.0	2.0	0.05192	1.3	1.6	0.040411	1.2
Sodium	23.0	1	8.7	0.379734	12.8	10.1	0.439326	10.4	8.4	0.36712	9.8	12.6	0.54807	9.6	9.3	0.404963	10.0	8.2	0.355375	10.3
Iron	55.8	2	0.54	0.019195	0.6	0.21	0.007628	0.2	2.55	0.091321	2.4	0.01	0.000358	0.0	2.50	0.08953	2.2	2.21	0.079145	2.3
Manganese	54.9	2	0.28	0.010157	0.3	0.38	0.013907	0.3	0.34	0.012305	0.3	0.00	3.64E-06	0.0	0.21	0.007791	0.2	0.33	0.011977	0.3
Ammonia-N	14.0	1	0.02	0.001271	0.0	0.01	0.000664	0.0	0.01	0.001057	0.0	0.00	0.000143	0.0	0.01	0.0008	0.0	0.01	0.000714	0.0
Total Cations (meq/L)				**3.0**			**4.2**			**3.7**			**5.7**			**4.0**			**3.4**	
Anions																				
Alkalinity, Total			121			167			124			209			110			115		
Carbonate	60.0	2	0.0648	0.00216	0.1	0.03249	0.001083	0.0	0.07115	0.002372	0.1	0.07569	0.002523	0.0	0.03093	0.001031	0.0	0.04673	0.001558	0.1
Bicarbonate	61.0	1	147.49	2.417475	85.8	203.67	3.338413	83.6	151.14	2.477255	72.6	254.83	4.176847	75.3	134.14	2.198637	58.3	140.20	2.298096	86.9
Chloride	35.5	1	3.1	0.08744	3.1	4.9	0.138775	3.5	7.0	0.196598	5.8	23.3	0.657208	11.8	11.1	0.313091	8.3	1.9	0.052182	2.0
Nitrate-N	14.0	1	0.01	0.000714	0.0	0.06	0.003927	0.1	0.01	0.000714	0.0	0.34	0.024274	0.4	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	14.8	0.308148	10.9	24.6	0.512193	12.8	35.4	0.737058	21.6	33.1	0.68917	12.4	60.5	1.259661	33.4	14.0	0.291492	11.0
Total Anions (meq/L)				**2.8**			**4.0**			**3.4**			**5.6**			**3.8**			**2.6**	
Total Ions (meq/L)				**5.8**			**8.2**			**7.2**			**11.3**			**7.8**			**6.1**	
Cation/Anion Ratio				**1.05**			**1.06**			**1.10**			**1.03**			**1.07**			**1.30**	
Percent Difference				**2.6**			**2.8**			**4.6**			**1.5**			**3.5**			**13.2**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				2.94			4.20			3.64			5.71			3.95			3.36	
Calcium					45.37			46.33			44.14			39.48			39.67			47.00
Magnesium					40.35			42.12			44.53			49.97			48.76			41.20
Sodium + Potassium					14.27			11.55			11.33			10.55			11.57			11.80
sum (SO_4, Cl, HCO_3+CO_3)				2.82			3.99			3.41			5.53			3.77			2.64	
Sulfate					10.946			12.835			21.594			12.472			33.391			11.027
Chloride					3.106			3.478			5.760			11.894			8.299			1.974
Bicarbonate + Carbonate					85.948			83.687			72.646			75.634			58.309			86.998

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 1, 2020 to December 31, 2020)

			Downgradient to Waste Cells and North End Facilities																	
Site ID			**MW-85**			**MW-86**			**MW-87**			**MW-88**			**MW-89**			**MW-100**		
			10/7/2020			10/7/2020			10/13/2020			10/6/2020			10/6/2020			10/8/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.4			6.3			6.7			6.9			7.2			6.6		
Conductance			367			196			542			127			259			302		
TDSobs			235			144			363			97			167			168		
Calcium	40.1	2	35.3	1.761477	43.1	16.2	0.808383	38.2	47.8	2.38523	40.3	9.6	0.480539	35.7	19.6	0.978044	36.3	27.2	1.357285	43.3
Magnesium	24.3	2	22.2	1.826785	44.7	11.2	0.921621	43.5	33.8	2.781321	47.0	7.1	0.581773	43.2	14.0	1.152026	42.7	15.9	1.308373	41.7
Potassium	39.1	1	1.7	0.042713	1.0	1.3	0.032226	1.5	2.3	0.059338	1.0	0.8	0.021075	1.6	1.7	0.042457	1.6	1.8	0.046038	1.5
Sodium	23.0	1	10.4	0.452375	11.1	7.6	0.329277	15.5	11.5	0.500222	8.5	6.0	0.262726	19.5	10.8	0.469774	17.4	9.0	0.391913	12.5
Iron	55.8	2	0.01	0.000358	0.0	0.74	0.026537	1.3	4.69	0.167959	2.8	0.01	0.000358	0.0	1.26	0.045123	1.7	0.76	0.02736	0.9
Manganese	54.9	2	0.00	3.64E-06	0.0	0.02	0.000659	0.0	0.49	0.017656	0.3	0.00	3.64E-06	0.0	0.25	0.009065	0.3	0.14	0.005097	0.2
Ammonia-N	14.0	1	0.00	0.000143	0.0	0.00	0.00015	0.0	0.03	0.00207	0.0	0.00	0.000143	0.0	0.02	0.001306	0.0	0.01	0.000785	0.0
Total Cations (meq/L)				**4.1**			**2.1**			**5.9**			**1.3**			**2.7**			**3.1**	
Anions																				
Alkalinity, Total			142			70			110			51			87			128		
Carbonate	60.0	2	0.02246	0.000749	0.0	0.00839	0.00028	0.0	0.03023	0.001008	0.0	0.02316	0.000772	0.1	0.07587	0.002529	0.1	0.03208	0.001069	0.0
Bicarbonate	61.0	1	173.19	2.838823	75.3	85.26	1.39751	71.6	134.14	2.198661	41.2	61.93	1.015075	81.3	106.47	1.745208	70.1	156.09	2.558545	85.5
Chloride	35.5	1	9.8	0.275294	7.3	4.3	0.121569	6.2	14.3	0.403351	7.6	1.8	0.049643	4.0	12.7	0.358221	14.4	2.7	0.075029	2.5
Nitrate-N	14.0	1	0.10	0.007211	0.2	0.01	0.000785	0.0	0.01	0.000714	0.0	0.80	0.056757	4.5	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	31.1	0.647528	17.2	20.7	0.430991	22.1	131.0	2.72753	51.2	6.1	0.126799	10.2	18.4	0.383103	15.4	17.2	0.358118	12.0
Total Anions (meq/L)				**3.8**			**2.0**			**5.3**			**1.2**			**2.5**			**3.0**	
Total Ions (meq/L)				**7.9**			**4.1**			**11.2**			**2.6**			**5.2**			**6.1**	
Cation/Anion Ratio				**1.08**			**1.09**			**1.11**			**1.08**			**1.08**			**1.05**	
Percent Difference				**4.0**			**4.1**			**5.2**			**3.8**			**4.0**			**2.3**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				4.08			2.09			5.73			1.35			2.64			3.10	
Calcium					43.14			38.65			41.66			35.70			37.01			43.73
Magnesium					44.74			44.06			48.57			43.22			43.60			42.16
Sodium + Potassium					12.12			17.28			9.77			21.08			19.39			14.11
sum (SO_4, Cl, HCO_3+CO_3)				3.76			1.95			5.33			1.19			2.49			2.99	
Sulfate					17.211			22.098			51.168			10.635			15.391			11.966
Chloride					7.317			6.233			7.567			4.164			14.392			2.507
Bicarbonate + Carbonate					75.472			71.669			41.265			85.201			70.217			85.527

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Figure 5. Trilinear Diagram Up & Crossgradient Regional Wells

Cedar Hills Regional Landfill

Fourth Quarter 2020

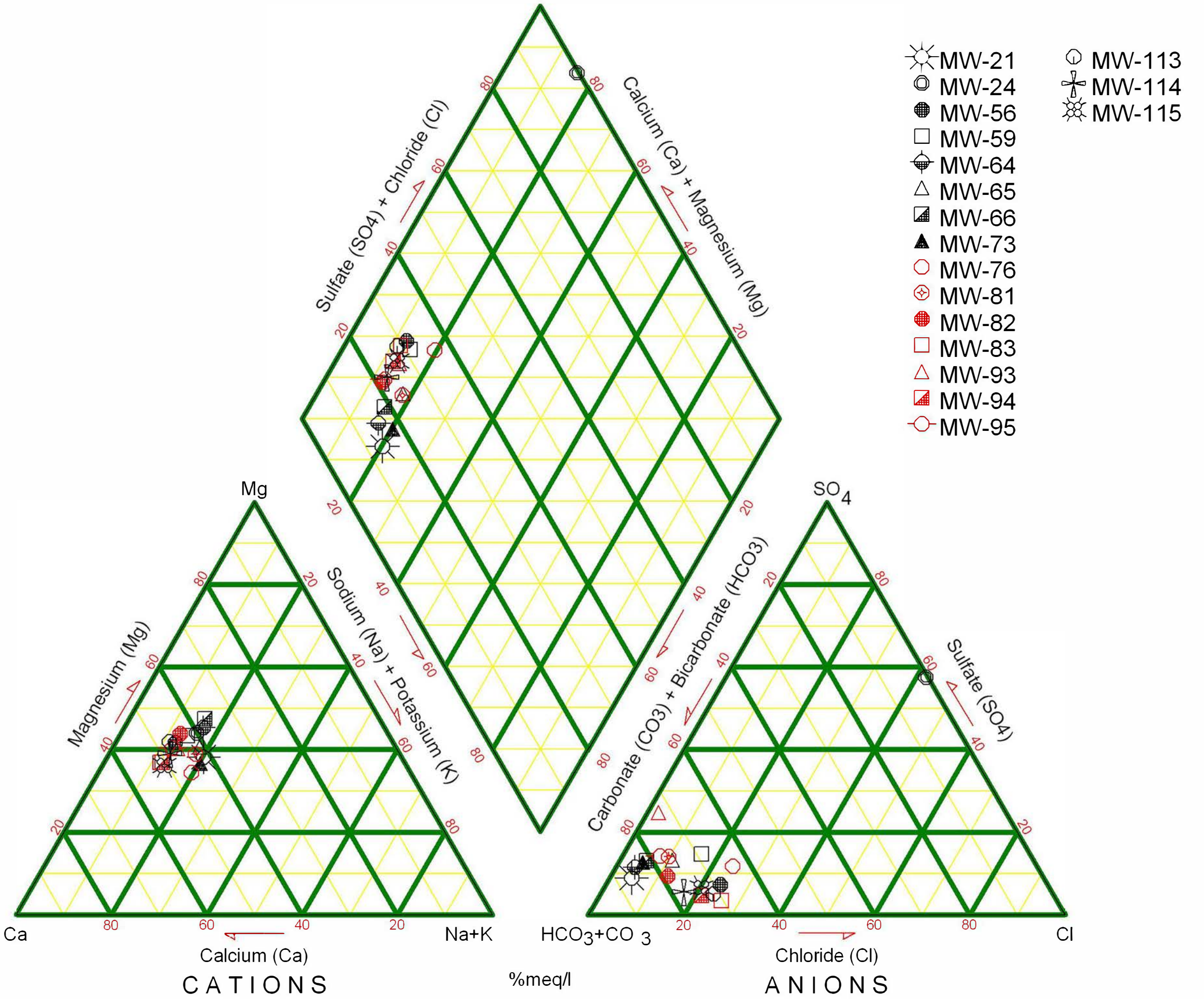
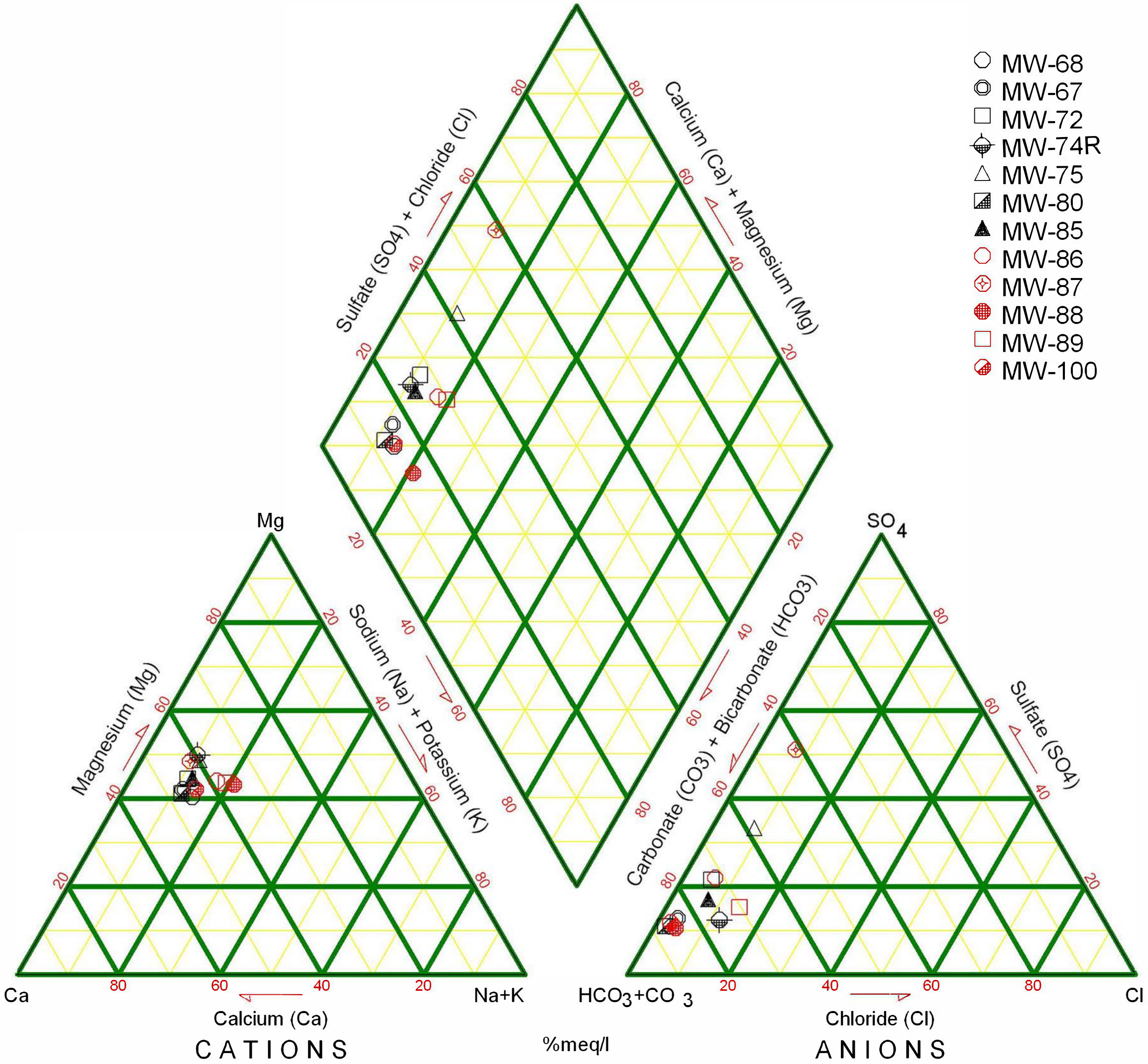


Figure 6. Trilinear Diagram Downgradient Regional Wells

Cedar Hills Regional Landfill

Fourth Quarter 2020



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TABLE 5
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS.
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY AND SEMI-ANNUAL MONITORING WELLS
(Data Collected from October 1, 2020 - December 31, 2020)

Well	Parameter / Units	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	cis- 1,2- Dichloroethene ug/L	Tetrachloroethene *ug/L*	Trichloroethene ug/L	Vinyl Chloride ug/L
Upgradient and Crossgradient Wells																					
MW-21	Limit	0.001	0.00116412	0.005586	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.9	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00088	0.00501	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000111	< 0.0005	< 0.00004	< 0.0001	0.0000808	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-24	Limit	0.001	0.001	0.002118	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.32	0.39	0.2	0.2	0.0247
	Result	< 0.0003	0.000493	0.00206	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000606	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	0.01	< 0.1	< 0.1	< 0.1	**0.03**
MW-56	Limit	0.001	0.0025	0.0478	0.001	0.002	0.00755	0.00389	0.0154	0.0033	0.01	0.001	0.00694	0.001	0.0178	0.0235	2.78	1.90741308	0.2	0.2	0.02
	Result	< 0.0003	**0.00253**	0.0448	0.000217	0.00011	0.00745	**0.00611**	**0.0177**	0.00321	0.00839	< 0.0005	0.000839	< 0.0001	**0.0181**	0.0209	< 0.01	1.43	< 0.1	< 0.1	< 0.01
MW-59	Limit	0.001	0.001	0.0051	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	1.41	0.2	0.45	0.02
	Result	< 0.0003	0.000436	0.00449	< 0.0001	< 0.00005	0.000315	< 0.00005	< 0.0002	< 0.0001	0.000147	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000899	< 0.01	1.16	< 0.1	< 0.1	< 0.01
MW-64	Limit	0.001	0.01	0.0299	0.001	0.002	0.005	0.00385	0.00512	0.001	0.0155	0.001	0.003	0.001	0.00606	0.0385	0.121	0.2	0.2	0.2	0.5
	Result	< 0.0003	0.00209	0.0222	< 0.0001	0.00032	< 0.0002	0.00266	0.000972	< 0.0001	0.00767	< 0.0005	< 0.00004	< 0.0001	0.000924	0.00262	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-65	Limit	0.001	0.00256	0.008541	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.055	0.2	0.2	0.2	0.132956
	Result	< 0.0003	0.00111	0.00658	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000219	< 0.0001	0.000117	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000882	< 0.01	< 0.1	< 0.1	< 0.1	0.03
MW-66	Limit	0.001	0.001	0.006775	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.9097973	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000665	0.0041	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000125	0.000904	< 0.00004	< 0.0001	0.000668	0.00053	0.49	< 0.1	< 0.1	< 0.1	< 0.01
MW-73	Limit	0.001	0.00151	0.0225	0.001	0.002	0.005	0.003	0.00363	0.00237	0.01	0.0016	0.003	0.001	0.00315	0.0066	2.01	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000735	0.00314	< 0.0001	< 0.00005	0.000303	< 0.00005	0.000286	< 0.0001	0.000313	< 0.0005	< 0.00004	< 0.0001	0.00142	< 0.0005	1.14	< 0.1	< 0.1	< 0.1	< 0.01
MW-76	Limit	0.001	0.001	0.0045	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	6	2.45296442	0.66715	14.39923	0.02
	Result	< 0.0003	0.000215	**0.00469**	< 0.0001	0.0000748	0.000233	0.0000608	0.00137	< 0.0001	0.00055	< 0.0005	< 0.00004	< 0.0001	0.000618	0.000597	0.238	0.15	0.385	7.63	< 0.01
MW-81	Limit	0.001	0.001	0.00487	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.00253	0.00895	1.7322327	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000529	0.00343	< 0.0001	< 0.00005	0.000214	< 0.00005	0.000228	< 0.0001	0.000182	0.000794	< 0.00004	< 0.0001	0.00166	0.00119	1.56	< 0.1	< 0.1	< 0.1	< 0.01
MW-82	Limit	0.001	0.001	0.00376	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.409877	0.2	0.2	8.8	0.02
	Result	< 0.0003	0.000264	0.00163	< 0.0001	< 0.00005	0.00188	< 0.00005	0.000283	< 0.0001	0.0034	< 0.0005	< 0.00004	< 0.0001	0.00142	0.000631	0.991	< 0.1	< 0.1	4.22	< 0.01
MW-83	Limit	0.001	0.001	0.012075	0.001	0.002	0.0723	0.003	0.0079	0.001	0.01	0.001	0.003	0.001	0.002	0.004	5.4257758	0.2	0.2	2.802958	0.02
	Result	< 0.0003	0.000396	0.0106	< 0.0001	< 0.00005	0.00379	0.000303	0.00396	< 0.0001	0.00233	< 0.0005	< 0.00004	< 0.0001	0.000981	< 0.0005	1.51	< 0.1	< 0.1	1.98	< 0.01
MW-84	Limit	0.001	0.001	0.00503	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.68	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000332	0.00493	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000752	0.000712	< 0.00004	< 0.0001	0.000512	0.00257	0.149	< 0.1	< 0.1	< 0.1	< 0.01
MW-93	Limit	0.001	0.00141993	0.009455	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00231	0.0112	0.0549	0.2	0.2	0.2	0.02
	Result	< 0.0003	**0.00144**	0.00835	< 0.0001	< 0.00005	0.00025	0.000103	0.000632	0.000147	0.000359	< 0.0005	< 0.00004	< 0.0001	0.00217	0.00768	0.031	< 0.1	< 0.1	< 0.1	< 0.01
MW-94	Limit	0.001	0.001	0.00542	0.001	0.002	0.005	0.003	0.0051	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.5526094	0.2	0.2	3.713146	0.02
	Result	< 0.0003	0.000131	0.00272	< 0.0001	< 0.00005	0.000338	0.0000938	0.00101	< 0.0001	0.00059	< 0.0005	< 0.00004	< 0.0001	0.00132	0.000556	0.574	< 0.1	< 0.1	2.31	0.01
MW-95	Limit	0.001	0.00111	0.004733	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	0.00106	0.00444	< 0.0001	< 0.00005	< 0.0002	0.0000675	< 0.0002	< 0.0001	0.000157	< 0.0005	< 0.00004	< 0.0001	0.000263	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

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

TABLE 5
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS.
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY AND SEMI-ANNUAL MONITORING WELLS
(Data Collected from October 1, 2020 - December 31, 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
Downgradient																					
MW-67	Limit	0.001	0.00833	0.0264	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00357	0.004	0.83	0.2	0.2	0.2	0.02
	Result	< 0.0003	**0.0101**	**0.0298**	< 0.0001	0.0000842	< 0.0002	0.00135	0.00099	< 0.0001	0.00123	< 0.0005	< 0.00004	< 0.0001	**0.00366**	0.00149	0.055	< 0.1	< 0.1	< 0.1	< 0.01
MW-68	Limit	0.001	0.389	0.0197	0.001	0.002	0.005	0.003	0.0068	0.001	0.01	0.001	0.003	0.001	0.0037	0.004	0.13	0.2	1	0.2	0.02
	Result	< 0.0003	0.0345	0.0116	< 0.0001	< 0.00005	< 0.0002	0.00021	0.000721	< 0.0001	0.000463	< 0.0005	< 0.00004	< 0.0001	0.000593	< 0.0005	< 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-72	Limit	0.001	0.001	0.0166	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.0264	0.15	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000117	0.0133	< 0.0001	< 0.00005	0.000229	< 0.00005	< 0.0002	< 0.0001	0.00013	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.00113	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-74	Limit	0.001	0.001	0.0162	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	0.000743	0.0124	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000284	< 0.0001	0.000889	0.000617	< 0.00004	< 0.0001	0.000765	0.000791	0.34	< 0.1	< 0.1	< 0.1	< 0.01
MW-75	Limit	0.001	0.001	0.0136	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	0.000419	0.0131	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	0.000104	0.000691	< 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	1	0.2	0.02
	Result	< 0.0003	0.00365	0.0153	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	0.01
MW-85	Limit	0.001	0.001	0.0074	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00135	0.003	0.001	0.002	0.004	1.630	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.0007	0.00724	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000194	0.000902	< 0.00004	< 0.0001	0.000898	< 0.0005	0.101	< 0.1	< 0.1	< 0.1	< 0.01
MW-86	Limit	0.001	0.0194	0.008554	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0017	0.003	0.001	0.00336	0.004	1.4237609	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.012	0.00729	< 0.0001	< 0.00005	< 0.0002	0.000187	< 0.0002	< 0.0001	0.000196	< 0.0005	< 0.00004	< 0.0001	0.000645	0.000979	0.011	< 0.1	< 0.1	< 0.1	< 0.01
MW-87	Limit	0.001	0.067	0.0380	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	0.00143	0.0293	< 0.0001	0.000134	0.000467	0.000176	0.00213	0.000521	0.000651	< 0.0005	< 0.00004	< 0.0001	0.000308	**0.00892**	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-88	Limit	0.001	0.0010525	0.002448	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.0029411	0.004	1.7	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000995	0.00221	< 0.0001	< 0.00005	0.000653	< 0.00005	< 0.0002	< 0.0001	< 0.0001	0.000519	< 0.00004	< 0.0001	0.00281	< 0.0005	0.795	< 0.1	< 0.1	< 0.1	< 0.01
MW-89	Limit	0.001	0.0266	0.0256	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.03980597	0.095	0.2	0.2	0.2	0.04
	Result	< 0.0003	0.00268	0.00958	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000248	< 0.0001	0.000144	< 0.0005	< 0.00004	< 0.0001	0.0000975	0.000906	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-100	Limit	0.001	0.01585452	0.0121	0.001	0.002	0.005	0.003	0.00226	0.001	0.01	0.001	0.003	0.001	0.002	0.00922	0.26	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00134	0.00634	< 0.0001	< 0.00005	< 0.0002	0.000236	< 0.0002	< 0.0001	0.000458	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000611	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

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

TABLE 6
CEDAR HILLS REGIONAL LANDFILL.
REGIONAL AQUIFER VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from October 1, 2020 to December 31, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Upgradient and Crossgradient Wells				
Acetone	MW-21	10/2/2020	W21-201002-	4.85 JT
	MW-64	10/7/2020	W64-201007-	2.82 JT
Cis- 1,2-Dichloroethene	MW-56	10/13/2020	W56-201013-	1.43
	MW-76	10/16/2020	W76-201016-	0.148 JT
	MW-59	10/15/2020	W59-201015-	1.16
Tetrachloroethene	MW-76	10/16/2020	W76-201016-	0.385
Trichloroethene	MW-114	10/15/2020	W114201015-	9.38
	MW-115	10/20/2020	W115201020-	4.79
	MW-76	10/16/2020	W76-201016-	7.63
	MW-82	10/16/2020	W82-201016-	4.22
	MW-83	10/16/2020	W83-201016-	1.98
	MW-94	10/16/2020	W94-201016-	2.31
Vinyl Chloride	MW-24	10/8/2020	W24-201008-	0.0276
	MW-65	10/15/2020	W65-201015-	0.0288 DL
	MW-94	10/16/2020	W94-201016-	0.0109 JLT
Downgradient Wells				
Carbon Disulfide	MW-86	10/7/2020	W86-201007-	0.112 JT
Vinyl Chloride	MW-80	10/14/2020	W80-201014-	0.0101 DJLT

TABLE 7
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from October 1, 2020 to December 31, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-102	10/19/2020	W102201019-	6.3
		MW-107	10/19/2020	W107201019-	5.55
		MW-110	10/20/2020	W110201020-	6.41
1,1-Dichloroethane	µg/L	MW-30A	10/19/2020	W30A201019-	1.71
Arsenic, Total	mg/L	MW-102	10/19/2020	W102201019-	0.000451
		MW-103	10/16/2020	W103201016-	0.00893
		MW-107	10/19/2020	W107201019-	0.00313
		MW-110	10/20/2020	W110201020-	0.00419
		MW-30A	10/19/2020	W30A201019-	0.000523
		MW-47	10/19/2020	W47-201019-	0.000748
Iron, Dissolved	mg/L	MW-107	10/19/2020	W107201019-	2.52
		MW-110	10/20/2020	W110201020-	0.793
Manganese, Dissolved	mg/L	MW-107	10/19/2020	W107201019-	1.94
		MW-110	10/20/2020	W110201020-	3.4
		MW-47	10/19/2020	W47-201019-	1.3
Sodium	mg/l	MW-110	10/20/2020	W110201020-	35.1
Vinyl Chloride	µg/L	MW-47	10/19/2020	W47-201019-	3.72 DL
		MW-110	10/20/2020	W110201020-	0.382 DL
South Solid Waste Area Perched Wells					
pH (Field)	pH Units	None.			
Arsenic, Total	mg/L	MW-101	10/22/2020	W101201022-	0.00236
Manganese, Dissolved	mg/L	MW-101	10/22/2020	W101201022-	1.04 D
Vinyl Chloride	µg/L	MW-101	10/22/2020	W101201022-	0.315 DL

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

Fourth Quarter 2020

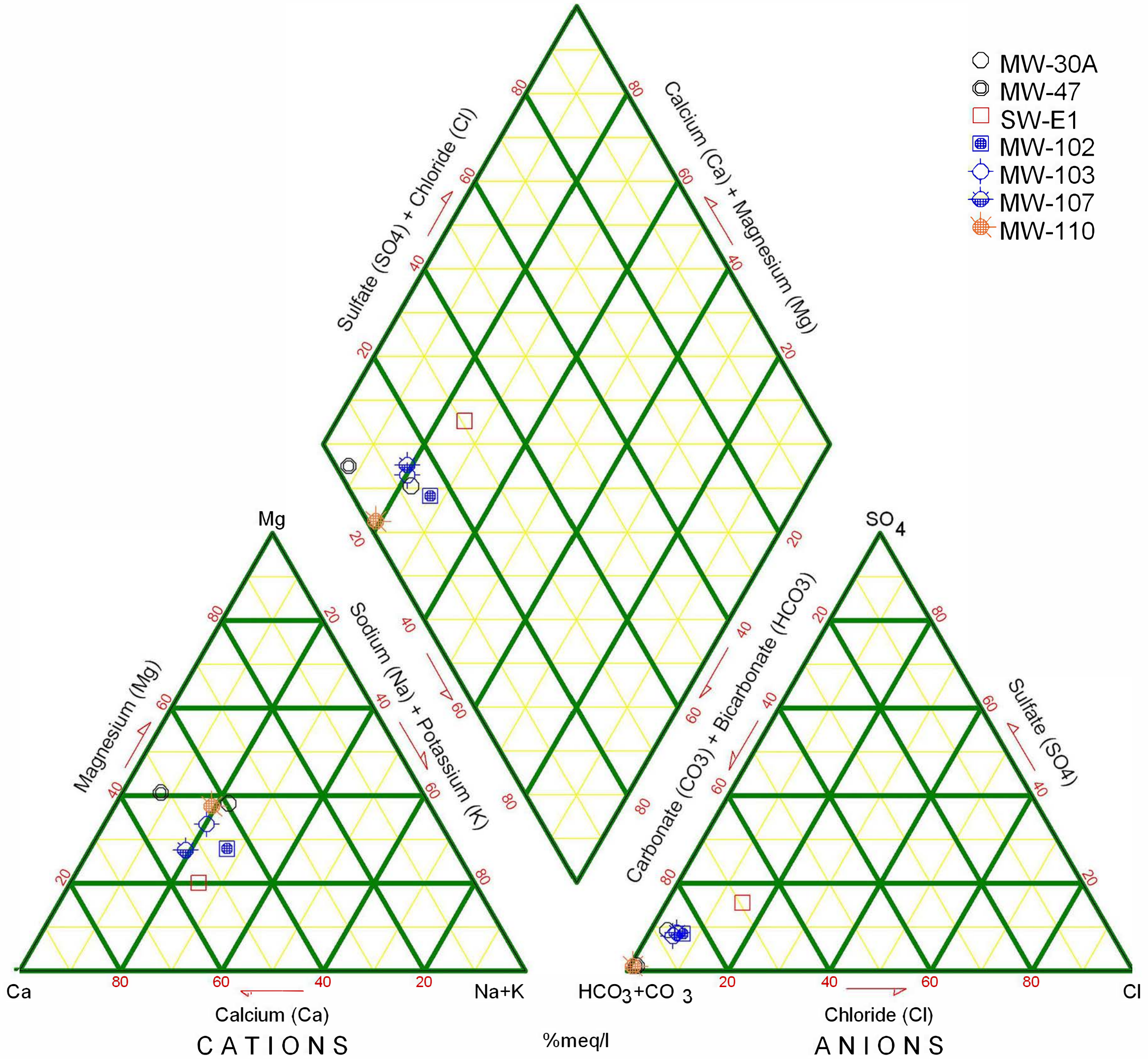
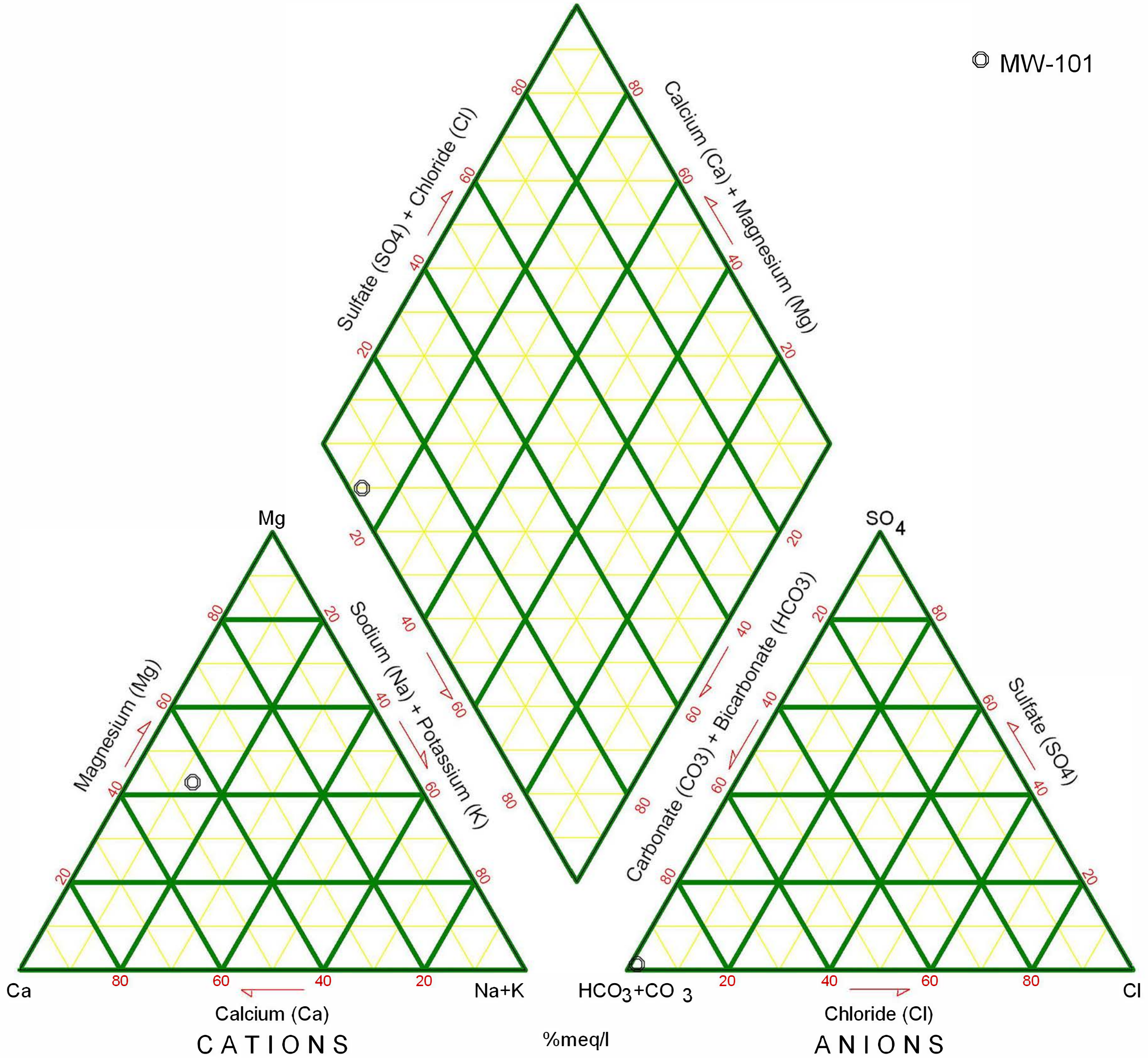


Figure 8. Trilinear Diagram SSW Area Perched Zone Wells

Cedar Hills Regional Landfill

Fourth Quarter 2020



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

Data Collected from October 1, 2020 - December 31, 2020

			East Perched Zone																			SSWA		
Site ID			MW-30A			MW-47			SW-E1			MW-102			MW-103			MW-107			MW-110			MW-101		
Date			10/19/2020			10/19/2020			11/30/2020			10/19/2020			10/16/2020			10/19/2020			10/20/2020			10/22/20		
Cations	**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)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	%(meq)
pH			6.6			6.5			5.7			6.3			7.6			5.6			6.4			6.9		
Conductance			230.3			972.8			40.8			157.0			254.3			232.8			738.5			510		
TDSobs			189.0			612.0			59.3			133.0			208.0			174.0			447.0			329		
Calcium	40.1	2	20.1	1.00	39.5	124.0	6.19	51.5	5.1	0.25	54.0	15.5	0.77	45.0	25.9	1.29	46.2	24.8	1.24	48.6	72.2	3.60	42.4	53.9	2.69	44.0
Magnesium	24.3	2	11.8	0.97	38.3	59.3	4.88	40.6	1.1	0.09	19.9	5.8	0.48	27.9	11.4	0.94	33.5	7.8	0.64	25.1	38.2	3.14	37.0	31.7	2.61	42.6
Potassium	39.1	1	1.3	0.032	1.28	5.5	0.141	1.17	0.7	0.018	3.77	1.0	0.026	1.50	2.7	0.070	2.49	2.8	0.071	2.79	3.1	0.080	0.94	2.9	0.073	1.2
Sodium	23.0	1	12.2	0.53	20.9	17.6	0.77	6.4	2.3	0.10	21.3	10.1	0.44	25.5	11.4	0.50	17.7	8.5	0.37	14.5	35.0	1.52	17.9	16.2	0.705	11.5
Iron	55.8	2	0.0	0.0004	0.0141	0.1	0.0022	0.0185	0.1	0.0039	0.8292	0.0	0.0004	0.0208	0.0	0.0004	0.0128	2.5	0.0902	3.5430	0.8	0.028399	0.3339	0.1	0.003	0.0
Manganese	54.9	2	0.0	4E-06	0.00016	1.3	0.0473	0.39353	0.0	0.0004	0.09435	0.0	3E-05	0.00181	0.0	7E-05	0.00238	1.9	0.0706	2.77266	3.4	0.1237759	1.45549	1.0	0.038	0.62
Ammonia-N	14.0	1	0.0	0.0001	0.0056	0.0	0.0026	0.0217	0.0	0.0004	0.0804	0.0	0.0003	0.0183	0.0	0.0005	0.0168	0.9	0.0669	2.6262	0.0	0.003227	0.0379	0.014	0.001	0.016
Total Cations (meq/L)				**2.54**			**12.03**			**0.47**			**1.72**			**2.80**			**2.55**			**8.50**			**6.12**	
Anions																										
Alkalinity, Total			79.30			577.00			12.80			62.60			115.00			92.80			419.00			276		
Carbonate	60.0	2	0.019	0.001	0.027	0.120	0.004	0.034	0.000	0.000	0.003	0.008	0.000	0.016	0.274	0.009	0.345	0.002	0.000	0.003	0.065	0.002	0.025	0.117	0.0039	0.07
Bicarbonate	61.0	1	96.71	1.585	68.773	703.70	11.534	97.465	15.62	0.256	64.788	76.36	1.252	80.382	139.74	2.291	86.483	113.21	1.856	85.726	511.05	8.377	98.279	336.48	5.5153	97.3
Chloride	35.5	1	2.1	0.060	2.607	5.4	0.152	1.285	2.0	0.055	13.994	3.5	0.100	6.395	4.8	0.134	5.059	4.2	0.118	5.447	1.8	0.051	0.596	2.5	0.07	1.2
Nitrate-N	14.0	1	6.9	0.490	21.249	0.0	0.001	0.006	0.4	0.026	6.668	1.1	0.079	5.090	0.0	0.002	0.094	0.0	0.001	0.033	0.0	0.001	0.008	0.0	0.0007	0.01
Sulfate	96.1	2	8.1	0.169	7.344	6.9	0.143	1.210	2.8	0.057	14.546	6.1	0.126	8.117	10.2	0.212	8.019	9.1	0.190	8.791	4.5	0.093	1.092	3.9	0.0802	1.4
Total Anions (meq/L)				**2.30**			**11.83**			**0.40**			**1.56**			**2.65**			**2.16**			**8.52**			**5.67**	
Total Ions (meq/L)				**4.843**			**23.860**			**0.866**			**3.277**			**5.445**			**4.712**			**17.027**			**11.8**	
Cation/Anion Ratio				**1.101**			**1.016**			**1.192**			**1.105**			**1.056**			**1.177**			**0.998**			**1.08**	
Percent Difference				**4.807**			**0.803**			**8.743**			**4.970**			**2.724**			**8.119**			**-0.113**			**4**	
Trilinear Diagram Data																										
sum (Ca, Mg, Na+K)				2.54			11.97			0.47			1.72			2.80			2.32			8.35			6.08	
Calcium					39.5			51.7			54.5			45.0			46.2			53.4			43.2			44.27
Magnesium					38.3			40.8			20.1			28.0			33.6			27.6			37.7			42.93
Sodium + Potassium					22.2			7.6			25.4			27.1			20.2			19.0			19.2			12.80
sum (SO_4, Cl, HCO_3+CO_3)				1.815			11.834			0.369			1.478			2.646			2.164			8.523			5.67	
Sulfate					9.3			1.2			15.6			8.6			8.0			8.8			1.1			1.4
Chloride					3.3			1.3			15.0			6.7			5.1			5.4			0.6			1.2
Bicarbonate + Carbonate					87.4			97.5			69.4			84.7			86.9			85.8			98.3			97.4

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TABLE 9
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
(Data Collected from October 1, 2020 - December 31, 2020)

Well	Parameter / Units	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	0.0005	0.0038	< 0.0001	< 0.00005	0.0009	< 0.00005	0.000374	< 0.0001	0.000767	< 0.0005	< 0.00004	< 0.0001	0.00227	0.000820	6.86	1.71	< 0.1	< 0.1	3.03	< 0.1	0.84	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	0.0007	0.0386	< 0.0001	< 0.00005	0.00159	0.000612	0.00166	0.000143	0.00235	< 0.0005	< 0.00004	< 0.0001	**0.00317**	0.00224	< 0.01	0.58	< 0.1	< 0.1	1.29	< 0.1	< 0.1	3.72
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	0.00236	0.0227	< 0.0001	< 0.00005	0.000206	0.000195	0.000286	< 0.0001	0.00332	< 0.0005	< 0.00004	< 0.0001	0.000687	< 0.0005	< 0.01	0.15	< 0.1	0.13	0.20	< 0.1	< 0.1	0.32

NOTE: MW-62 was not sampled due to DTW below pump.

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 October 1, 2020 to December 31, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-30A	10/19/2020	W30A201019-	1.71
	MW-47	10/19/2020	W47-201019-	0.58
	MW-102	10/19/2020	W102201019-	0.136 JT
	MW-110	10/20/2020	W110201020-	0.426
1,2-Dichlorobenzene	MW-110	10/20/2020	W110201020-	1.13
1,2-Dichloroethane	MW-110	10/20/2020	W110201020-	0.437
1,2-Dichloropropane	MW-110	10/20/2020	W110201020-	0.334
1,4-Dichlorobenzene	MW-107	10/19/2020	W107201019-	0.462
	MW-110	10/20/2020	W110201020-	0.217
Benzene	MW-107	10/19/2020	W107201019-	0.636
	MW-110	10/20/2020	W110201020-	0.521
Carbon Disulfide	MW-103	10/16/2020	W103201016-	0.461
Chlorobenzene	MW-107	10/19/2020	W107201019-	0.507
	MW-110	10/20/2020	W110201020-	1.38
Chloroethane	MW-47	10/19/2020	W47-201019-	0.226
	MW-110	10/20/2020	W110201020-	0.31
cis-1,2,-Dichloroethene	MW-30A	10/19/2020	W30A201019-	3.03
	MW-47	10/19/2020	W47-201019-	1.29
	MW-107	10/19/2020	W107201019-	0.118 JT
	MW-110	10/20/2020	W110201020-	7.44
Dichlorodifluoromethane	MW-47	10/19/2020	W47-201019-	1.09 L
Tetrachloroethene	MW-30A	10/19/2020	W30A201019-	0.122 JT
Trans-1,2-Dichloroethene	MW-107	10/19/2020	W107201019-	0.115 JT
	MW-110	10/20/2020	W110201020-	0.414
Trichloroethene	MW-30A	10/19/2020	W30A201019-	0.837
	MW-110	10/20/2020	W110201020-	0.158 JT
Vinyl Chloride	MW-30A	10/19/2020	W30A201019-	0.011 DJLT
	MW-47	10/19/2020	W47-201019-	3.72 DL
	MW-102	10/19/2020	W102201019-	0.0106 DJLT
	MW-107	10/19/2020	W107201019-	1.56 DL
	MW-110	10/20/2020	W110201020-	0.382 DL
South Solid Waste Area Perched Wells				
1-1 Dichloroethane	MW-101	10/22/2020	W101201022-	0.147 JT
1-2-Dichloroethane	MW-101	10/22/2020	W101201022-	0.133 JT
Chloroethane	MW-101	10/22/2020	W101201022-	0.172 JT
cis-1,2,-Dichloroethene	MW-101	10/22/2020	W101201022-	0.204
Vinyl Chloride	MW-101	10/22/2020	W101201022-	0.315 DL

See Data Qualifier List for Qualifier Information.

TABLE 11
CEDAR HILLS REGIONAL LANDFILL.
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from October 1, 2020 to December 31, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Acetone	FIELD BLANK	10/07/20	W86-201007F	3.77 JT
Styrene	FIELD BLANK	10/02/20	W21-201002F	0.238
	FIELD BLANK	10/07/20	W86-201007F	0.127 JT
	FIELD BLANK	10/19/20	W107201019F	0.115 JT

See Data Qualifier List for Qualifier Information.

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Acetone	VOA TRIP BLANK	10/13/2020	VTRP201014X	3.5 JT

See Data Qualifier List for Qualifier Information.

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
No Method Blank Detections for 4Q2020				

See Data Qualifier List for Qualifier Information.

TABLE 12

CEDAR HILLS REGIONAL LANDFILL.

STORM AND SURFACE WATER MONITORING ACTIVITIES 4th QUARTER 2020

Station ID	Date	Planned Acitvity	Sample ID	Comment
SW-GS1	11/19/2020	NPDES Permit Sample	SGS1201119P	
SW-SL3	11/19/2020	NPDES Permit Sample	SSL3201119P	
SW-N4	10/12/2020	NPDES Permit Sample	SN4-201012P	
SW-TD1	10/12/2020	Area 5 Top Deck Monitoring	STD1201012-	
SW-TD2	12/17/2020	Area 5 Top Deck Monitoring	STD2201217-	
SW-TD7	10/12/2020	Area 7 Top Deck Monitoring	STD7201012E	
SW-E1	11/30/2020	East Perched Zone SW Monitoring	SE1-201130-	
Stream Gauges	11/25/2020	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	12/14/2020	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 October 1, 2020 - December 31, 2020)

SUMMARY OF ISGP* EXCEEDANCES

Parameter	Units	Sampling Location	Date	Value	Regulatory Limit	Type
Turbidity	NTU	N4	10/12/2020	103	25	

*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

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TABLE 16
CEDAR HILLS REGIONAL LANDFILL.
LAB DATA REVIEW - SUSPECT DATA
(Data Collected from October 1, 2020 to December 31, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	Cause of Unuseability
ACETONE	ug/L	MW-21	10/02/20	W21-201002-	4.85 JT	Field Blank Contamination
AMMONIA AS N	mg/L	MW-83	10/16/20	W83-201016-	0.0226	Field Blank Contamination

See Data Qualifier List for Qualifier Information.

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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 5600
Seattle, WA 98104-3855

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

TECHNICAL MEMORANDUM

January 26, 2021

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
Fourth 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 fourth 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 October 1, 2020. These measurements were received by WLRD on December 3, 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 third quarter of 2020.

Groundwater Elevation Data

The SWD measured regional aquifer groundwater level measurements at 43 monitoring wells during the fourth 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).

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 October 1, 2020.

Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on October 1, 2020, are shown in Figure A-1. Calculated groundwater elevations during the fourth 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 October 1, 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 fourth 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 2.24 ft/d under the central portion).

References

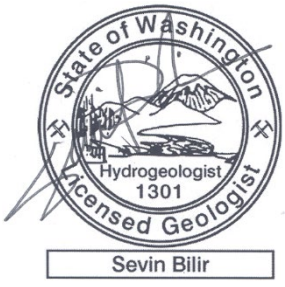
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

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 2020 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 – Fourth Quarter 2020

Table A-2: Groundwater Parameters – Fourth Quarter 2020

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

Table A-1: Well Details and Groundwater Elevations – Fourth Quarter 2020

Cedar Hills Regional Landfill
King County, Washington

							October 1, 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	228.20	338.95
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	265.86	330.69
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.89	292.39
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.72	295.71
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	332.28	314.79
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	361.12	310.75
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	191.75	293.95
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	240.06	291.20
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	140.70	351.01
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	239.20	291.21
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.13	309.53
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	124.88	349.97
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	144.98	351.83
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	236.17	294.63
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	246.37	285.39
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.82	286.22
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	248.44	288.87
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	227.34	286.34
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.63	323.52
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	143.42	352.09
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.27	320.27
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.92	322.40
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	190.66	284.81
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	188.28	342.81
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	140.02	350.43
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	132.44	352.43
Wells with water levels greater than 10 ft above the top of screen	MW-75	1701059.70	173432.42	532.40	271.10	261.00	245.73	286.67
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	210.27	335.56
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	247.02	285.00
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	105.35	351.29
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	128.47	351.86
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	331.29	314.52
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	333.05	313.28
	MW-21	1697901.86	173876.38	420.66	263.22	255.22	125.21	295.45
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	263.86	283.20
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	145.99	330.00
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	221.96	280.26
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	125.02	332.11
	MW-22P	1701844.34	173088.17	517.09	236.02	231.22	232.69	284.40
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	232.46	280.36
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	278.81	301.62
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	150.01	329.26
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.62	293.02
Other	MW-69	1698061.86	172400.20	653.69	293.57	279.97	NM	NA

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).

NM Not measured due to damaged well. Cannot access water level.
NA Not Applicable

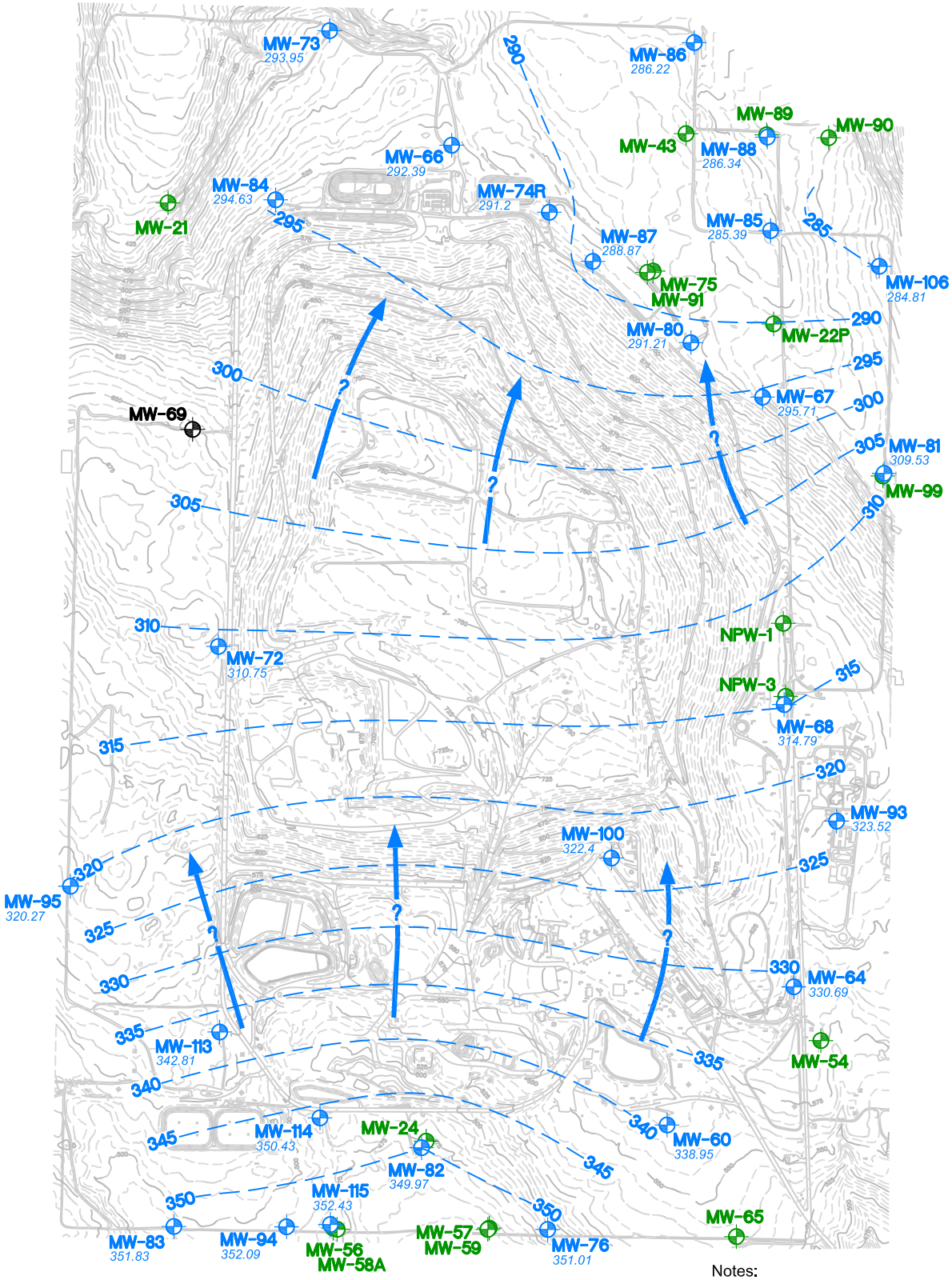
Table A-2: Groundwater Parameters – Fourth Quarter 2020
Cedar Hills Regional Landfill
King County, Washington

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%	0.19	NNE, NE
	Maximum	4.20E-02	120			3.83	
	Mean	2.10E-02	60			1.91	
Central	Minimum	2.10E-03	6	0.009	24%	0.22	N, NNW
	Maximum	4.20E-02	120			4.48	
	Mean	2.10E-02	60			2.24	
Southern	Minimum	6.40E-06	0.018	0.010	26%	0.001	N, NNE, NNW
	Maximum	6.40E-04	1.8			0.069	
	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.

MW-X — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.

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 October 1, 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
Fourth Quarter 2020 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

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

CH_4Q2020.dwg

APPENDIX B

Field and Analytical Test Results

Groundwater Field and Analytical Data

APPENDIX B

Field and Analytical Test Results

Groundwater Field and Analytical Data

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-100	10/1/2020	620.32	297.92	322.40	
MW-101	10/1/2020	474.72	33.34	441.38	
MW-102	10/1/2020	552.48	48.35	504.13	
MW-103	10/1/2020	639.08	20.41	618.67	
MW-104	10/1/2020	629.68	28.2	601.48	
MW-105	10/1/2020	521.23	22.09	499.14	
MW-106	10/1/2020	475.47	190.66	284.81	
MW-107	10/1/2020	589.029	28.6	560.429	
MW-108	10/1/2020	612.258			DRY @ 20.21
MW-109	10/1/2020	638.728	14.98	623.748	
MW-110	10/1/2020	641.742	10.2	631.542	
MW-111	10/1/2020	643.797			DRY
MW-112	10/1/2020	638.929	16.4	622.529	
MW-113	10/1/2020	531.09	188.28	342.81	
MW-114	10/1/2020	490.45	140.02	350.43	
MW-115	10/1/2020	484.87	132.44	352.43	
MW-21	10/1/2020	420.66	125.21	295.45	
MW-22	10/1/2020	517.09	232.69	284.4	
MW-24	10/1/2020	475.99	145.99	330	
MW-25	10/1/2020	474.41	15.59	458.82	
MW-27A	10/1/2020	584.23	55.18	529.05	
MW-28	10/1/2020	527.75	39.52	488.23	
MW-29	10/1/2020	532.92	16.75	516.17	
MW-30A	10/1/2020	568.43	29.79	538.64	H20 IN ANNULUS
MW-41D	10/1/2020	462.32	30.32	432.00	
MW-41S	10/1/2020	462.44	12.28	450.16	
MW-43	10/1/2020	547.06	263.86	283.2	
MW-45	10/1/2020	488.4	17.25	471.15	
MW-47	10/1/2020	634.6	21.59	613.01	
MW-48	10/1/2020	594.49	46.28	548.21	
MW-50	10/1/2020	637.02	33.26	603.76	
MW-54	10/1/2020	580.43	278.81	301.62	
MW-55	10/1/2020	652.29	32.26	620.03	
MW-56	10/1/2020	480.33	128.47	351.86	
MW-57	10/1/2020	456.64	105.35	351.29	
MW-58A	10/1/2020	479.27	150.01	329.26	
MW-59	10/1/2020	457.13	125.02	332.11	H20 IN ANNULUS
MW-60	10/1/2020	567.15	228.2	338.95	
MW-62	10/1/2020	556.21	54.41	501.8	
MW-63	10/1/2020	515.88	18.61	497.27	
MW-64	10/1/2020	596.55	265.86	330.69	
MW-65	10/1/2020	545.83	210.27	335.56	
MW-66	10/1/2020	531.28	238.89	292.39	
MW-67	10/1/2020	516.43	220.72	295.71	
MW-68	10/1/2020	647.07	332.28	314.79	
MW-69	10/1/2020	653.69			NEEDS TO BE FIXED
MW-72	10/1/2020	671.87	361.12	310.75	
MW-73	10/1/2020	485.7	191.75	293.95	

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-74R	10/1/2020	531.26	240.06	291.20	
MW-75	10/1/2020	532.4	245.73	286.67	
MW-76	10/1/2020	491.71	140.7	351.01	
MW-79	10/1/2020	459.17			NEEDS TO BE FIXED
MW-80	10/1/2020	530.41	239.2	291.21	
MW-81	10/1/2020	493.66	184.13	309.53	
MW-82	10/1/2020	474.85	124.88	349.97	
MW-83	10/1/2020	496.81	144.98	351.83	
MW-84	10/1/2020	530.8	236.17	294.63	
MW-85	10/1/2020	531.76	246.37	285.39	
MW-86	10/1/2020	536.04	249.82	286.22	
MW-87	10/1/2020	537.31	248.44	288.87	
MW-88	10/1/2020	513.68	227.34	286.34	
MW-89	10/1/2020	512.82	232.46	280.36	
MW-90	10/1/2020	502.22	221.96	280.26	
MW-91	10/1/2020	532.02	247.02	285	
MW-93	10/1/2020	632.15	308.63	323.52	
MW-94	10/1/2020	495.51	143.42	352.09	
MW-95	10/1/2020	571.54	251.27	320.27	
MW-98	10/1/2020	503.73	22.51	481.22	
MW-99	10/1/2020	493.64	200.62	293.02	
MW-EB5	10/1/2020	645.36	43.1	602.26	
MW-EB5S	10/1/2020	645.77	18.62	627.15	
MW-EB6	10/1/2020	589.61	31.08	558.53	Pulled pump for DTW
WS-NPW-1	10/1/2020	646.33	333.05	313.28	
WS-NPW-3	10/1/2020	645.81	331.29	314.52	

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

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
MW-100	W100201008-	10/8/2020	6.62	302.4	10.99	5.5	1.05	21.7
MW-101	W101201022-	10/22/2020	6.85	510.3	10.5	3		
MW-102	W102201019-	10/19/2020	6.3	157	10.54	1	10.47	363.5
MW-103	W103201016-	10/16/2020	7.6	254.3	11.1	5.5		
MW-107	W107201019-	10/19/2020	5.55	232.8	12.01	1	0.84	203.9
MW-110	W110201020-	10/20/2020	6.41	738.5	15.12	8.1		
MW-113	W113201016-	10/16/2020	7.3	397.5	10.5	3.25	0.91	-71.5
MW-114	W114201015-	10/15/2020	6.91	269	9.7	2	5.92	370.7
MW-115	W115201020-	10/20/2020	6.48	282.5	9.45	3	4.98	283.1
MW-21	W21-201002-	10/2/2020	7.38	139.6	10.54	1.75	1.21	-152.2
MW-24	W24-201008-	10/8/2020	6.9	185	9.58	2.75	0.95	-56
MW-30A	W30A201019-	10/19/2020	6.6	230.3	12	4.5		
MW-47	W47-201019-	10/19/2020	6.54	972.8	11.3	22.2		
MW-47	W47-201020-	10/20/2020	6.71	1002.7	11.4	11.01		
MW-56	W56-201013-	10/13/2020	6.99	254.8	10	128.56		
MW-59	W59-201015-	10/15/2020	6.82	228.2	9.6	3	0.87	-26.9
MW-64	W64-201007-	10/7/2020	6.71	191.4	12.602	2.5	1.44	132.4
MW-65	W65-201015-	10/15/2020	6.72	145.1	9.22	3	1.37	-9.9
MW-66	W66-201006-	10/6/2020	6.66	203.6	10.25	3.25	5.23	179.2
MW-67	W67-201006-	10/6/2020	6.51	368.9	9.96	3	1.52	30.3
MW-68	W68-201014-	10/14/2020	6.95	275.2	10.591	4	0.92	162.4
MW-72	W72-201012-	10/12/2020	6.98	349.1	10.52	4.5	1.29	161.1
MW-73	W73-201002-	10/2/2020	6.41	131.9	9.79	2.7	9.48	188
MW-74R	W74R201002-	10/2/2020	6.78	531	10.02	4.5	5.2	160.7
MW-75	W75-201002-	10/2/2020	6.67	387.7	9.69	4	0.88	-33.2
MW-76	W76-201016-	10/16/2020	6.42	367	9.9	3.2	3.08	244.4
MW-80	W80-201014-	10/14/2020	6.83	319	10.33	3	1.33	106.3
MW-81	W81-201014-	10/14/2020	6.71	167.1	9.69	2.5	5.77	253.1
MW-82	W82-201016-	10/16/2020	6.76	303.3	9.61	3.75	6.45	261.8
MW-83	W83-201016-	10/16/2020	6.56	616.8	10.962	3	1	440.9
MW-84	W84-201013-	10/13/2020	6.65	204.2	10.799	2.5	1.32	305.8
MW-85	W85-201007-	10/7/2020	6.42	367	9.9	3.2	3.08	244.4
MW-86	W86-201007-	10/7/2020	6.3	196	9.402	5	1	16.2
MW-87	W87-201013-	10/13/2020	6.66	541.9	11.88	2	0.87	18.4
MW-88	W88-201006-	10/6/2020	6.88	127.3	9.62	2.5	5.51	397.5
MW-89	W89-201006-	10/6/2020	7.16	259.3	10.349	3	2.17	101.7
MW-93	W93-201007-	10/7/2020	6.88	313.2	11.45	4.5	0.91	198.6
MW-94	W94-201016-	10/16/2020	6.36	337.8	10.114	2	4.15	400.8
MW-95	W95-201012-	10/12/2020	7.26	229.7	9.91	3.25	1.28	374.5

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Turbidity (Field) NTU
MW-100	W100201008-	10/8/2020	13.6
MW-101	W101201022-	10/22/2020	3.93
MW-102	W102201019-	10/19/2020	25.5
MW-103	W103201016-	10/16/2020	
MW-107	W107201019-	10/19/2020	3.28
MW-110	W110201020-	10/20/2020	2.74
MW-113	W113201016-	10/16/2020	0.54
MW-114	W114201015-	10/15/2020	1.23
MW-115	W115201020-	10/20/2020	2.03
MW-21	W21-201002-	10/2/2020	1.46
MW-24	W24-201008-	10/8/2020	2.22
MW-30A	W30A201019-	10/19/2020	
MW-47	W47-201019-	10/19/2020	6.07
MW-47	W47-201020-	10/20/2020	
MW-56	W56-201013-	10/13/2020	362
MW-59	W59-201015-	10/15/2020	1.51
MW-64	W64-201007-	10/7/2020	12.6
MW-65	W65-201015-	10/15/2020	63.7
MW-66	W66-201006-	10/6/2020	0.4
MW-67	W67-201006-	10/6/2020	106
MW-68	W68-201014-	10/14/2020	4.32
MW-72	W72-201012-	10/12/2020	16.4
MW-73	W73-201002-	10/2/2020	2.03
MW-74R	W74R201002-	10/2/2020	2.6
MW-75	W75-201002-	10/2/2020	0.37
MW-76	W76-201016-	10/16/2020	0.28
MW-80	W80-201014-	10/14/2020	0.85
MW-81	W81-201014-	10/14/2020	2.34
MW-82	W82-201016-	10/16/2020	3.35
MW-83	W83-201016-	10/16/2020	0.93
MW-84	W84-201013-	10/13/2020	0.99
MW-85	W85-201007-	10/7/2020	0.28
MW-86	W86-201007-	10/7/2020	44.2
MW-87	W87-201013-	10/13/2020	8.48
MW-88	W88-201006-	10/6/2020	0.65
MW-89	W89-201006-	10/6/2020	20.5
MW-93	W93-201007-	10/7/2020	1.73
MW-94	W94-201016-	10/16/2020	0.59
MW-95	W95-201012-	10/12/2020	0.61

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

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-100	W100201008-	10/8/2020	128	0.011	2.66	0.01 U	303	17.2	168	0.5 U	174	3.3
MW-101	W101201022-	10/22/2020	276	0.0139	2.48	0.01 U	529	3.85	329	4.31	348	1 U
MW-102	W102201019-	10/19/2020	62.6	0.0044 T	3.53	1.11	164	6.07	133	0.84 T	145	15
MW-103	W103201016-	10/16/2020	115	0.0066 T	4.75	0.035 T	269	10.2	208	1.02	219	70
MW-107	W107201019-	10/19/2020	92.8	0.937	4.18	0.01 U	234	9.14	174	3.87	175	6.36
MW-110	W110201020-	10/20/2020	419	0.0452	1.8	0.01 U	743	4.47	447	2.02	471	14.7
MW-113	W113201016-	10/16/2020	139	0.0156	32.7	0.01 U	403	9.53	245	1.74	255	1.3
MW-114	W114201015-	10/15/2020	96.2	0.0054 T	15.2	1.43	273	6.77	174	0.65 T	194	0.6 T
MW-115	W115201020-	10/20/2020	93.5	0.0056 T	18.5	1.99	288	8.15	182	0.98 T	213	0.5 U
MW-21	W21-201002-	10/2/2020	60.1	0.0443	2.25	0.01 U	146	5.99	97.3	0.5 U	94	0.5 U
MW-24	W24-201008-	10/8/2020	65.5	0.0386	5.49	0.01 T	179	10.2	105	0.5 U	111	3.2
MW-30A	W30A201019-	10/19/2020	79.3	0.002 U	2.13	6.86	249	8.13	189	0.84 T	215	0.52 U
MW-47	W47-201019-	10/19/2020	577	0.0366	5.39	0.01 U	1010	6.88	612	3.67	676	12.5
MW-56	W56-201013-	10/13/2020	83.9	0.002 U	20.8	0.01 U	268	8.54	137 J	1.77	573 J	183 J
MW-59	W59-201015-	10/15/2020	72	0.0061 T	12.1	0.01 U	222	14.8	127	0.5 U	133	3
MW-64	W64-201007-	10/7/2020	83.6	0.0284	2.77	0.01 U	202	11	136	0.51 T	127	10.6
MW-65	W65-201015-	10/15/2020	50.3	0.0034 T	5.14	0.01 U	141	8.49	84	0.5 U	99	11.8
MW-66	W66-201006-	10/6/2020	82.8	0.002 U	4.06	0.49	217	12.8	135	0.5 U	134	0.51 U
MW-67	W67-201006-	10/6/2020	167	0.0093 T	4.92	0.055	384	24.6	241	0.5 U	304	58.8
MW-68	W68-201014-	10/14/2020	121	0.0178	3.1	0.01 U	282	14.8	159	0.5 U	163	2
MW-72	W72-201012-	10/12/2020	124	0.0148	6.97	0.01 U	350	35.4	208	0.5 U	229	12.2
MW-73	W73-201002-	10/2/2020	50.3	0.002 U	2.18	1.14	140	7.46	104	0.5 U	99.3	4.3
MW-74R	W74R201002-	10/2/2020	209	0.002 U	23.3	0.34	549	33.1	331	0.55 T	325	0.5 T
MW-75	W75-201002-	10/2/2020	110	0.0112	11.1	0.01 U	390	60.5	258	0.5 U	259	1.6
MW-76	W76-201016-	10/16/2020	85	0.0074 T	23	0.238	288	15.1	180	2	187	0.5 U
MW-80	W80-201014-	10/14/2020	115	0.01	1.85	0.01 U	318	14	197	0.5 U	198	0.8 T
MW-81	W81-201014-	10/14/2020	56.1	0.002 U	5.12	1.56	169	9.99	105	0.5 U	99.3	0.5 T
MW-82	W82-201016-	10/16/2020	117	0.0058 T	12.6	0.991	313	13.4	200	0.71 T	206	2.2
MW-83	W83-201016-	10/16/2020	215	0.0226	56.5	1.51	630	10.1	418	5.58	433	0.5 U
MW-84	W84-201013-	10/13/2020	78.3	0.002 U	4.11	0.149	214	15.7	120	0.5 U	121	1 U
MW-85	W85-201007-	10/7/2020	142	0.002 U	9.76	0.101	387	31.1	235	0.5 U	237	0.52 U
MW-86	W86-201007-	10/7/2020	69.9	0.0021 T	4.31	0.011 T	206	20.7	144	0.6 T	144	15
MW-87	W87-201013-	10/13/2020	110	0.029	14.3	0.01 U	546	131	363	0.5 U	386	6.2

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

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-88	W88-201006-	10/6/2020	50.8	0.002 U	1.76	0.795	132	6.09	96.7	0.5 U	81.3	0.51 U
MW-89	W89-201006-	10/6/2020	87.4	0.0183	12.7	0.01 U	263	18.4	167	0.5 U	172	6.8
MW-93	W93-201007-	10/7/2020	118	0.0501	2.56	0.031 T	333	38.6	214	0.5 U	209	0.63 T
MW-94	W94-201016-	10/16/2020	120	0.0046 T	24.6	0.574	345	7.38	227	2.32	234	1 U
MW-95	W95-201012-	10/12/2020	87.6	0.0269	6.27	0.01 U	235	15.4	135	0.5 U	140	0.53 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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)
MW-100	W100201008-	10/8/2020	0.0003 U	0.0003 U	0.000434	0.00134	0.00595	0.00634	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.2
MW-101	W101201022-	10/22/2020	0.0003 U	0.0003 U	0.00228	0.00236	0.0215	0.0227	0.0001 U	0.0001 U	5E-05 U	5E-05 U	53.9
MW-102	W102201019-	10/19/2020	0.0003 U	0.0003 U	0.000186	0.000451	0.00512	0.0126	0.0001 U	0.0001 U	5E-05 U	5E-05 U	15.5
MW-103	W103201016-	10/16/2020	0.000878		0.00982	0.00893	0.0112	0.0366	0.0001 U	0.000127	5E-05 U	0.0000582	25.9
MW-107	W107201019-	10/19/2020	0.0003 U	0.0003 U	0.003	0.00313	0.0125	0.013	0.0001 U	0.0001 U	5E-05 U	5E-05 U	24.8
MW-110	W110201020-	10/20/2020	0.0003 U	0.0003 U	0.0038	0.00419	0.0303	0.0339	0.0001 U	0.0001 U	5E-05 U	5E-05 U	72.2
MW-113	W113201016-	10/16/2020	0.0003 U	0.0003 U	0.000566	0.000571	0.00188	0.00205	0.0001 U	0.0001 U	5E-05 U	5E-05 U	38.5
MW-114	W114201015-	10/15/2020	0.0003 U	0.0003 U	0.000275	0.000289	0.00118	0.00137	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.3
MW-115	W115201020-	10/20/2020	0.0003 U	0.0003 U	2.96E-04	0.000301	0.000672	0.000802	0.0001 U	0.0001 U	5E-05 U	5E-05 U	28.7
MW-21	W21-201002-	10/2/2020	0.0003 U	0.0003 U	0.000849	0.00088	0.00498	0.00501	0.0001 U	0.0001 U	5E-05 U	5E-05 U	12
MW-24	W24-201008-	10/8/2020	0.0003 U	0.0003 U	0.000499	0.000493	0.00209	0.00206	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14
MW-30A	W30A201019-	10/19/2020	0.0003 U	0.0003 U	0.000481	0.000523	0.00342	0.00384	0.0001 U	0.0001 U	5E-05 U	5E-05 U	20.1
MW-47	W47-201019-	10/19/2020	0.0003 U	0.0003 U	0.000606	0.000748	0.0308	0.0386	0.0001 U	0.0001 U	5E-05 U	5E-05 U	124
MW-56	W56-201013-	10/13/2020	0.0003 U	0.0003 U	0.0000688	0.00253	0.00322	0.0448	0.0001 U	0.000217	5E-05 U	0.00011	24.5
MW-59	W59-201015-	10/15/2020	0.0003 U	0.0003 U	0.000427	0.000436	0.00405	0.00449	0.0001 U	0.0001 U	5E-05 U	5E-05 U	18.5
MW-64	W64-201007-	10/7/2020	0.0003 U	0.0003 U	0.000622	0.00209	0.00578	0.0222	0.0001 U	0.0001 U	5E-05 U	0.00032	16.2
MW-65	W65-201015-	10/15/2020	0.0003 U	0.0003 U	0.000317	0.00111	0.00535	0.00658	0.0001 U	0.0001 U	5E-05 U	5E-05 U	11.4
MW-66	W66-201006-	10/6/2020	0.0003 U	0.0003 U	0.000658	0.000665	0.00382	0.0041	0.0001 U	0.0001 U	5E-05 U	5E-05 U	16.3
MW-67	W67-201006-	10/6/2020	0.0003 U	0.0003 U	0.00027	0.0101	0.0142	0.0298	0.0001 U	0.0001 U	5E-05 U	0.0000842	39
MW-68	W68-201014-	10/14/2020	0.0003 U	0.0003 U	0.0114	0.0345	0.0101	0.0116	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.7
MW-72	W72-201012-	10/12/2020	0.0003 U	0.0003 U	0.0000652	0.000117	0.0111	0.0133	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.2
MW-73	W73-201002-	10/2/2020	0.0003 U	0.0003 U	0.000704	0.000735	0.00241	0.00314	0.0001 U	0.0001 U	5E-05 U	5E-05 U	11.8
MW-74R	W74R201002-	10/2/2020	0.0003 U	0.0003 U	0.000385	0.000743	0.0123	0.0124	0.0001 U	0.0001 U	5E-05 U	5E-05 U	45.2
MW-75	W75-201002-	10/2/2020	0.0003 U	0.0003 U	0.000416	0.000419	0.0131	0.0131	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.4
MW-76	W76-201016-	10/16/2020	0.0003 U	0.0003 U	0.000214	0.000215	0.00415	0.00469	0.0001 U	0.0001 U	5E-05 U	0.0000748	26
MW-80	W80-201014-	10/14/2020	0.0003 U	0.0003 U	0.00363	0.00365	0.0137	0.0153	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.6
MW-81	W81-201014-	10/14/2020	0.0003 U	0.0003 U	0.000541	0.000529	0.00301	0.00343	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.2
MW-82	W82-201016-	10/16/2020	0.0003 U	0.0003 U	0.000232	0.000264	0.0011	0.00163	0.0001 U	0.0001 U	5E-05 U	5E-05 U	28
MW-83	W83-201016-	10/16/2020	0.0003 U	0.0003 U	0.000358	0.000396	0.00935	0.0106	0.0001 U	0.0001 U	5E-05 U	5E-05 U	67.1
MW-84	W84-201013-	10/13/2020	0.0003 U	0.0003 U	0.000326	0.000332	0.00477	0.00493	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.5
MW-85	W85-201007-	10/7/2020	0.0003 U	0.0003 U	0.000705	0.0007	0.00707	0.00724	0.0001 U	0.0001 U	5E-05 U	5E-05 U	35.3
MW-86	W86-201007-	10/7/2020	0.0003 U	0.0003 U	0.000735	0.012	0.00558	0.00729	0.0001 U	0.0001 U	5E-05 U	5E-05 U	16.2
MW-87	W87-201013-	10/13/2020	0.0003 U	0.0003 U	0.000522	0.00143	0.0242	0.0293	0.0001 U	0.0001 U	5E-05 U	0.000134	47.8

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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)
MW-88	W88-201006-	10/6/2020	0.0003 U	0.0003 U	0.00101	0.000995	0.00218	0.00221	0.0001 U	0.0001 U	5E-05 U	5E-05 U	9.63
MW-89	W89-201006-	10/6/2020	0.0003 U	0.0003 U	0.00095	0.00268	0.00831	0.00958	0.0001 U	0.0001 U	5E-05 U	5E-05 U	19.6
MW-93	W93-201007-	10/7/2020	0.0003 U	0.0003 U	0.00142	0.00144	0.00758	0.00835	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32
MW-94	W94-201016-	10/16/2020	0.0003 U	0.0003 U	0.000128	0.000131	0.00221	0.00272	0.0001 U	0.0001 U	5E-05 U	5E-05 U	35.2
MW-95	W95-201012-	10/12/2020	0.0003 U	0.0003 U	0.00102	0.00106	0.00396	0.00444	0.0001 U	0.0001 U	5E-05 U	5E-05 U	22

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Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)
MW-100	W100201008-	10/8/2020	27.9	0.0002 U	0.0002 U	0.000215 D	2.36E-04
MW-101	W101201022-	10/22/2020	52.3	0.0002 U	0.000206	0.000192	0.000195
MW-102	W102201019-	10/19/2020	15.2	0.000442	0.00279	5E-05 U	0.00065
MW-103	W103201016-	10/16/2020	25.8	0.0002 U	0.00708	5E-05 U	0.00223
MW-107	W107201019-	10/19/2020	24.1	0.000319	4.48E-04	0.00277	0.00283
MW-110	W110201020-	10/20/2020	72.7	0.0002 U	5.83E-04	0.004	0.00436
MW-113	W113201016-	10/16/2020	37.7	0.0002 U	2.40E-04	0.0000689	0.0000732
MW-114	W114201015-	10/15/2020	25.7	0.0002 U	0.000224	0.000394	0.00046
MW-115	W115201020-	10/20/2020	28.9	0.0002 U	0.0002 U	0.000156	0.000166
MW-21	W21-201002-	10/2/2020	12.1	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-24	W24-201008-	10/8/2020	14.3	0.0002 U	0.0002 U	5E-05 DU	5E-05 DU
MW-30A	W30A201019-	10/19/2020	20.1	0.000714	8.73E-04	5E-05 U	5E-05 U
MW-47	W47-201019-	10/19/2020	118	0.0002 U	0.00159	0.000273	0.000612
MW-56	W56-201013-	10/13/2020	26	0.0002 U	0.00745	0.000161	0.00611
MW-59	W59-201015-	10/15/2020	18.3	0.0002 U	0.000315	5E-05 U	5E-05 U
MW-64	W64-201007-	10/7/2020	16.9	0.0002 U	0.0002 U	5E-05 U	0.00266
MW-65	W65-201015-	10/15/2020	11.4	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-66	W66-201006-	10/6/2020	16.7	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-67	W67-201006-	10/6/2020	39	0.0002 U	0.0002 U	0.00027	0.00135
MW-68	W68-201014-	10/14/2020	27.6	0.0002 U	0.0002 U	0.000202	0.00021
MW-72	W72-201012-	10/12/2020	32.9	0.0002 U	0.000229	5E-05 U	5E-05 U
MW-73	W73-201002-	10/2/2020	12.1	0.0002	0.000303	5E-05 U	5E-05 U
MW-74R	W74R201002-	10/2/2020	46.7	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-75	W75-201002-	10/2/2020	31.9	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-76	W76-201016-	10/16/2020	25.7	0.000202	0.000233	5.74E-05	6.08E-05
MW-80	W80-201014-	10/14/2020	32	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-81	W81-201014-	10/14/2020	14.6	0.000215	0.000214	5E-05 U	5E-05 U
MW-82	W82-201016-	10/16/2020	28.8	0.000226	1.88E-03	5E-05 U	5E-05 U
MW-83	W83-201016-	10/16/2020	67.2	0.000894	3.79E-03	2.49E-04	0.000303
MW-84	W84-201013-	10/13/2020	16.2	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-85	W85-201007-	10/7/2020	36.3	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-86	W86-201007-	10/7/2020	16.6	0.0002 U	0.0002 U	0.0000671	0.000187
MW-87	W87-201013-	10/13/2020	47.1	0.0002 U	0.000467	0.000164	0.000176

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)
MW-88	W88-201006-	10/6/2020	9.6	0.0006	0.000653	5E-05 U	5E-05 U
MW-89	W89-201006-	10/6/2020	19.8	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-93	W93-201007-	10/7/2020	32.8	0.0002 U	0.00025	0.0000617	0.000103
MW-94	W94-201016-	10/16/2020	35.1	0.000451	0.000338	0.0000898	0.0000938
MW-95	W95-201012-	10/12/2020	22.8	0.0002 U	0.0002 U	6.80E-05	0.0000675

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Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)	Manganese, total (mg/L)	Mercury, dissolved (mg/L)
MW-100	W100201008-	10/8/2020	0.0002 U	0.0002 U	0.764	1.7	0.0001 U	0.0001 U	15.9	16.1	0.14	0.144	5E-05 U
MW-101	W101201022-	10/22/2020	0.000304	0.000286	0.0765	0.11	0.0001 U	0.0001 U	31.7	31.4	1.04 D	0.959	5E-05 U
MW-102	W102201019-	10/19/2020	0.000261	0.003	0.01 U	1.14	0.0001 U	0.000665	5.84	5.76	0.000853	0.0233	5E-05 U
MW-103	W103201016-	10/16/2020	0.000462	0.0103	0.01 U	2.67	0.0001 U	0.00297	11.4	11.9	0.00183	0.429	5E-05 U
MW-107	W107201019-	10/19/2020	0.000897	0.00125	2.52	2.61	0.0001 U	0.0001 U	7.78	7.37	1.94	1.89	5E-05 U
MW-110	W110201020-	10/20/2020	0.0002 U	0.000747	0.793	1.1	0.0001 U	0.000114	38.2	37.4	3.4	3.43	5E-05 U
MW-113	W113201016-	10/16/2020	0.0002 U	0.0002 U	1.17	1.2	0.0001 U	0.0001 U	20.9	20.5	0.415	0.442	5E-05 U
MW-114	W114201015-	10/15/2020	0.0002 U	0.0002 U	0.01 U	0.0288	0.0001 U	0.0001 U	12.5	12.7	0.000718	0.00238	5E-05 U
MW-115	W115201020-	10/20/2020	0.000246	0.000338	0.01 U	0.032	0.0001 U	0.0001 U	12.4	12.4	0.0341	0.0359	5E-05 U
MW-21	W21-201002-	10/2/2020	0.0002 U	0.0002 U	1.73	1.95	0.0001 U	0.0001 U	6.7	6.54	0.106	0.11	5E-05 U
MW-24	W24-201008-	10/8/2020	0.0002 U	0.000606	3.51	3.59	0.0001 U	0.0001 U	9.33	9.48	0.109	0.113	5E-05 U
MW-30A	W30A201019-	10/19/2020	0.0002 U	0.000374	0.01 U	0.0773	0.0001 U	0.0001 U	11.8	11.3	0.000114	0.000909	5E-05 U
MW-47	W47-201019-	10/19/2020	0.000369	0.00166	0.0621	0.939	0.0001 U	0.000143	59.3	58.4	1.3	1.22	5E-05 U
MW-56	W56-201013-	10/13/2020	0.000201	0.0177	0.0125	13.7	0.0001 U	0.00321	13.6	14.7	0.221	0.662	5E-05 U
MW-59	W59-201015-	10/15/2020	0.0002 U	0.0002 U	4.53	4.65	0.0001 U	0.0001 U	11.5	11.1	0.138	0.149	5E-05 U
MW-64	W64-201007-	10/7/2020	0.0002 U	0.000972	0.01 DU	0.467	0.0001 U	0.0001 U	11.7	11.6	0.0271	2.29	5E-05 U
MW-65	W65-201015-	10/15/2020	0.0002 U	0.000219	2.87	5.5	0.0001 U	0.0001 U	6.82	6.67	0.131	0.215	5E-05 U
MW-66	W66-201006-	10/6/2020	0.0002 U	0.0002 U	0.01 DU	0.0109	0.0001 U	0.0001 U	12.8	12.8	0.0001 U	0.000269	5E-05 U
MW-67	W67-201006-	10/6/2020	0.0002 U	0.00099	0.213 D	10.7	0.0001 U	0.0001 U	21.5	21.1	0.382	1.64	5E-05 U
MW-68	W68-201014-	10/14/2020	0.000309	0.000721	0.536	1.05	0.0001 U	0.0001 U	14.4	14.8	0.279	0.298	5E-05 U
MW-72	W72-201012-	10/12/2020	0.0002 U	0.0002 U	2.55	4.39	0.0001 U	0.0001 U	19.7	19.6	0.338	0.365	5E-05 U
MW-73	W73-201002-	10/2/2020	0.0002 U	0.000286	0.01 U	0.0765	0.0001 U	0.0001 U	6.09	6.19	0.000152	0.00205	5E-05 U
MW-74R	W74R201002-	10/2/2020	0.000227	0.000284	0.01 U	0.28	0.0001 U	0.0001 U	34.7	34	0.0001 U	0.00216	5E-05 U
MW-75	W75-201002-	10/2/2020	0.0002 U	0.0002 U	2.5	2.44	0.0001 U	0.0001 U	23.4	22.8	0.214	0.211	5E-05 U
MW-76	W76-201016-	10/16/2020	0.00127	0.00137	0.01 U	0.01 U	0.0001 U	0.0001 U	11.8	11.5	0.0001 U	0.000159	5E-05 U
MW-80	W80-201014-	10/14/2020	0.0002 U	0.0002 U	2.21	2.18	0.0001 U	0.0001 U	16.8	16.1	0.329	0.341	5E-05 U
MW-81	W81-201014-	10/14/2020	0.0002 U	0.000228	0.01 U	0.0229	0.0001 U	0.0001 U	7.83	7.74	0.000118	0.00084	5E-05 U
MW-82	W82-201016-	10/16/2020	0.0002 U	0.000283	0.01 U	0.0641	0.0001 U	0.0001 U	17.1	16.8	0.0001 U	0.00113	5E-05 U
MW-83	W83-201016-	10/16/2020	0.00346	0.00396	0.01 U	0.0412	0.0001 U	0.0001 U	29.3	27.3	0.0104	0.0483	5E-05 U
MW-84	W84-201013-	10/13/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	12.9	11.9	0.00451	0.00476	5E-05 U
MW-85	W85-201007-	10/7/2020	0.0002 U	0.0002 U	0.01 DU	0.01 U	0.0001 U	0.0001 U	22.2	21.8	0.0001 U	0.000293	5E-05 U
MW-86	W86-201007-	10/7/2020	0.0002 U	0.0002 U	0.741 D	7.25	0.0001 U	0.0001 U	11.2	11.2	0.0181	0.0445	5E-05 U
MW-87	W87-201013-	10/13/2020	0.0002 U	0.00213	4.69	5.62	0.0001 U	0.000521	33.8	31.7	0.485	0.519	5E-05 U

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)	Manganese, total (mg/L)	Mercury, dissolved (mg/L)
MW-88	W88-201006-	10/6/2020	0.0002 U	0.0002 U	0.01 DU	0.01 U	0.0001 U	0.0001 U	7.07	6.9	0.0001 U	0.000139	5E-05 U
MW-89	W89-201006-	10/6/2020	0.0002 U	0.000248	1.26 D	2.7	0.0001 U	0.0001 U	14	14.2	0.249	0.277	5E-05 U
MW-93	W93-201007-	10/7/2020	0.000217	0.000632	0.01 DU	0.0458	0.0001 U	0.000147	17	16.6	0.154	0.18	5E-05 U
MW-94	W94-201016-	10/16/2020	0.00101	0.00101	0.01 U	0.01 U	0.0001 U	0.0001 U	15.5	15.4	0.000216	0.000264	5E-05 U
MW-95	W95-201012-	10/12/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	11.5	11.8	0.161	0.178	5E-05 U

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Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
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Site	Sample ID	Date	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)
MW-100	W100201008-	10/8/2020	5E-05 U	0.000465	0.000458	1.8	1.83
MW-101	W101201022-	10/22/2020	5E-05 U	0.00295 D	0.00332	2.86	2.96
MW-102	W102201019-	10/19/2020	5E-05 U	0.000496	0.00145	1.01	1.22
MW-103	W103201016-	10/16/2020	5E-05 U	0.000365	0.005	2.72	3.11
MW-107	W107201019-	10/19/2020	5E-05 U	0.00488	0.00524	2.78	2.96
MW-110	W110201020-	10/20/2020	5E-05 U	0.0061	0.00708	3.13	3.43
MW-113	W113201016-	10/16/2020	5E-05 U	0.000321	0.000441	2.04	2.15
MW-114	W114201015-	10/15/2020	5E-05 U	0.000354	0.000437	1.91	2.17
MW-115	W115201020-	10/20/2020	5E-05 U	0.000657	0.000702	1.84	2.01
MW-21	W21-201002-	10/2/2020	5E-05 U	0.0001 U	0.000111	1.09	1.09
MW-24	W24-201008-	10/8/2020	5E-05 U	0.0001 U	0.0001 U	0.937	0.958
MW-30A	W30A201019-	10/19/2020	5E-05 U	0.000642	0.000767	1.27	1.35
MW-47	W47-201019-	10/19/2020	5E-05 U	0.00104	0.00235	5.51	5.38
MW-56	W56-201013-	10/13/2020	5E-05 U	0.000884	0.00839	1.28	2.01
MW-59	W59-201015-	10/15/2020	5E-05 U	0.000144	0.000147	1.11	1.17
MW-64	W64-201007-	10/7/2020	5E-05 U	0.000221	0.00767	1.39	1.52
MW-65	W65-201015-	10/15/2020	5E-05 U	0.0001 U	0.000117	0.824	0.897
MW-66	W66-201006-	10/6/2020	5E-05 U	0.000125	0.000125	1.08	1.15
MW-67	W67-201006-	10/6/2020	5E-05 U	0.000341	0.00123	1.8	1.89
MW-68	W68-201014-	10/14/2020	5E-05 U	0.000391	0.000463	1.54	1.75
MW-72	W72-201012-	10/12/2020	5E-05 U	0.000104	0.00013	1.78	2.01
MW-73	W73-201002-	10/2/2020	5E-05 U	0.000236	0.000313	0.798	0.819
MW-74R	W74R201002-	10/2/2020	5E-05 U	0.000859	0.000889	2.14	2.14
MW-75	W75-201002-	10/2/2020	5E-05 U	0.0001 U	0.0001 U	2.03	1.98
MW-76	W76-201016-	10/16/2020	5E-05 U	0.000459	0.00055	1.5	1.64
MW-80	W80-201014-	10/14/2020	5E-05 U	0.0001 U	0.0001 U	1.58	1.75
MW-81	W81-201014-	10/14/2020	5E-05 U	0.000185	0.000182	0.784	0.868
MW-82	W82-201016-	10/16/2020	5E-05 U	0.00114	0.0034	1.72	1.91
MW-83	W83-201016-	10/16/2020	5E-05 U	0.00191	0.00233	3.52	3.7
MW-84	W84-201013-	10/13/2020	5E-05 U	0.000693	0.000752	1.18	1.17
MW-85	W85-201007-	10/7/2020	5E-05 U	0.000179	0.000194	1.67	1.77
MW-86	W86-201007-	10/7/2020	5E-05 U	0.0001 U	0.000196	1.26	1.35
MW-87	W87-201013-	10/13/2020	5E-05 U	0.000341	0.000651	2.32	2.43

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)
MW-88	W88-201006-	10/6/2020	5E-05 U	0.000102	0.0001 U	0.824	0.852
MW-89	W89-201006-	10/6/2020	5E-05 U	0.0001 U	0.000144	1.66	1.8
MW-93	W93-201007-	10/7/2020	5E-05 U	0.00021	0.000359	1.5	1.59
MW-94	W94-201016-	10/16/2020	5E-05 U	0.000631	0.00059	2.34	2.49
MW-95	W95-201012-	10/12/2020	5E-05 U	0.000156	0.000157	1.12	1.27

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Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
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Site	Sample ID	Date	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)
MW-100	W100201008-	10/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.01	9.23	0.0001 U	0.0001 U	7.5E-05 DU	7.5E-05 U	0.000557
MW-101	W101201022-	10/22/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.2 J	16.2	0.0001 U	0.0001 U	0.000658 D	0.000687	0.0005 U
MW-102	W102201019-	10/19/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.1	9.72	0.0001 U	0.0001 U	0.000873	0.00279	0.000851
MW-103	W103201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.4	11.4	0.0001 U	0.0001 U	0.0101	0.0113	0.0005 U
MW-107	W107201019-	10/19/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.52	8.32	0.0001 U	0.0001 U	0.000496	0.00059	0.00341
MW-110	W110201020-	10/20/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	35	35.1	0.0001 U	0.0001 U	0.00027	0.000744	0.00179
MW-113	W113201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.33	9.33	0.0001 U	0.0001 U	7.5E-05 U	0.000108	0.0005 U
MW-114	W114201015-	10/15/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.56	6.87	0.0001 U	0.0001 U	8.49E-04	0.000884	0.0005 U
MW-115	W115201020-	10/20/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.35	7.44	0.0001 U	0.0001 U	0.000507	6.35E-04	0.000521
MW-21	W21-201002-	10/2/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.07	5.95	0.0001 U	0.0001 U	0.000141	0.0000808	0.0005 U
MW-24	W24-201008-	10/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.78	5.85	0.0001 U	0.0001 U	7.5E-05 DU	7.5E-05 DU	0.0005 U
MW-30A	W30A201019-	10/19/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.2	11.9	0.0001 U	0.0001 U	0.00209	0.00227	0.00115
MW-47	W47-201019-	10/19/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	17.6	17.7	0.0001 U	0.0001 U	0.00152	0.00317	0.000803
MW-56	W56-201013-	10/13/2020	0.0005 U	0.0005 U	4E-05 U	0.000839	6.96	7.02	0.0001 U	0.0001 U	0.000161	0.0181	0.000592
MW-59	W59-201015-	10/15/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.53	6.51	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.00109
MW-64	W64-201007-	10/7/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.29	6.96	0.0001 U	0.0001 U	0.000124	0.000924	0.0005 DU
MW-65	W65-201015-	10/15/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.29	5.27	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000579
MW-66	W66-201006-	10/6/2020	0.000905	0.000904	4E-05 U	4E-05 U	7.48	7.44	0.0001 U	0.0001 U	0.000654	0.000668	0.0005 DU
MW-67	W67-201006-	10/6/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.1	9.69	0.0001 U	0.0001 U	0.000113	0.00366	0.0005 DU
MW-68	W68-201014-	10/14/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.73	8.91	0.0001 U	0.0001 U	0.000219	0.000593	0.000679
MW-72	W72-201012-	10/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.44	8.4	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000736
MW-73	W73-201002-	10/2/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.91	5.8	0.0001 U	0.0001 U	0.00129	0.00142	0.0005 U
MW-74R	W74R201002-	10/2/2020	0.00058	0.000617	4E-05 U	4E-05 U	12.6	12.3 J	0.0001 U	0.0001 U	0.000638	0.000765	0.000691
MW-75	W75-201002-	10/2/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.31	9.08	0.0001 U	0.0001 U	0.000117	0.000104	0.0005 U
MW-76	W76-201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.8	12	0.0001 U	0.0001 U	0.000578	0.000618	0.000755
MW-80	W80-201014-	10/14/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.17	7.93	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000551
MW-81	W81-201014-	10/14/2020	0.000888	0.000794	4E-05 U	4E-05 U	6.47	6.71	0.0001 U	0.0001 U	0.00155	0.00166	0.000924
MW-82	W82-201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.22	8.3	0.0001 U	0.0001 U	0.00134	0.00142	0.0005 U
MW-83	W83-201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.7	15	0.0001 U	0.0001 U	0.000971	0.000981	0.00061
MW-84	W84-201013-	10/13/2020	0.000718	0.000712	4E-05 U	4E-05 U	7.65	7.08	0.0001 U	0.0001 U	0.000481	0.000512	0.0005 U
MW-85	W85-201007-	10/7/2020	0.000868	0.000902	4E-05 U	4E-05 U	10.4	10.1	0.0001 U	0.0001 U	0.000905	0.000898	0.0005 DU
MW-86	W86-201007-	10/7/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.57	7.13	0.0001 U	0.0001 U	7.5E-05 U	0.000645	0.000679 D
MW-87	W87-201013-	10/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.5	10.9	0.0001 U	0.0001 U	7.5E-05 U	0.000308	0.00178

Site	Sample ID	Date	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)
MW-88	W88-201006-	10/6/2020	0.000547	0.000519	4E-05 U	4E-05 U	6.04	5.77	0.0001 U	0.0001 U	0.00271	0.00281	0.000679 D
MW-89	W89-201006-	10/6/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.8	10.4	0.0001 U	0.0001 U	7.5E-05 U	0.0000975	0.000644 D
MW-93	W93-201007-	10/7/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.1	9.51	0.0001 U	0.0001 U	0.00212	0.00217	0.00313 D
MW-94	W94-201016-	10/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.32	8.45	0.0001 U	0.0001 U	0.00124	0.00132	0.000638
MW-95	W95-201012-	10/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.1	6.23	0.0001 U	0.0001 U	0.000287	0.000263	0.000541

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Zinc, total (mg/L)
MW-100	W100201008-	10/8/2020	0.000611
MW-101	W101201022-	10/22/2020	0.0005 U
MW-102	W102201019-	10/19/2020	0.00335
MW-103	W103201016-	10/16/2020	0.0104
MW-107	W107201019-	10/19/2020	0.00328
MW-110	W110201020-	10/20/2020	0.00205
MW-113	W113201016-	10/16/2020	0.000621
MW-114	W114201015-	10/15/2020	0.0005 U
MW-115	W115201020-	10/20/2020	0.000832
MW-21	W21-201002-	10/2/2020	0.0005 U
MW-24	W24-201008-	10/8/2020	0.0005 U
MW-30A	W30A201019-	10/19/2020	0.00082
MW-47	W47-201019-	10/19/2020	0.00224
MW-56	W56-201013-	10/13/2020	0.0209
MW-59	W59-201015-	10/15/2020	0.000899
MW-64	W64-201007-	10/7/2020	0.00262
MW-65	W65-201015-	10/15/2020	0.000882
MW-66	W66-201006-	10/6/2020	0.00053
MW-67	W67-201006-	10/6/2020	0.00149
MW-68	W68-201014-	10/14/2020	0.0005 U
MW-72	W72-201012-	10/12/2020	0.00113
MW-73	W73-201002-	10/2/2020	0.0005 U
MW-74R	W74R201002-	10/2/2020	0.000791
MW-75	W75-201002-	10/2/2020	0.000691
MW-76	W76-201016-	10/16/2020	0.000597
MW-80	W80-201014-	10/14/2020	0.0005 U
MW-81	W81-201014-	10/14/2020	0.00119
MW-82	W82-201016-	10/16/2020	0.000631
MW-83	W83-201016-	10/16/2020	0.0005 U
MW-84	W84-201013-	10/13/2020	0.00257
MW-85	W85-201007-	10/7/2020	0.0005 U
MW-86	W86-201007-	10/7/2020	0.000979
MW-87	W87-201013-	10/13/2020	0.00892

Environmental Monitoring Data

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Zinc, total (mg/L)
MW-88	W88-201006-	10/6/2020	0.0005 U
MW-89	W89-201006-	10/6/2020	0.000906
MW-93	W93-201007-	10/7/2020	0.00768
MW-94	W94-201016-	10/16/2020	0.000556
MW-95	W95-201012-	10/12/2020	0.0005 U

See Data Qualifier List for Qualifier Information.

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
MW-100	W100201008-	10/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-101	W101201022-	10/22/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.147 JT	0.1 U	0.1 U
MW-102	W102201019-	10/19/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.136 JT	0.1 U	0.1 U
MW-103	W103201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107201019-	10/19/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-110	W110201020-	10/20/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.426	0.1 U	0.1 U
MW-113	W113201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	W114201015-	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	W115201020-	10/20/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.25 U	0.1 U	0.1 U	0.1 U	1.71	0.1 U	0.1 U
MW-47	W47-201019-	10/19/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.58	0.1 U	0.1 U
MW-56	W56-201013-	10/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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
MW-100	W100201008-	10/8/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-101	W101201022-	10/22/2020	2.5 U	0.1 U	0.1 U	0.133 JT
MW-102	W102201019-	10/19/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-103	W103201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-107	W107201019-	10/19/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-110	W110201020-	10/20/2020	2.5 U	0.1 U	1.13	0.437
MW-113	W113201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-114	W114201015-	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-115	W115201020-	10/20/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-21	W21-201002-	10/2/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-24	W24-201008-	10/8/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A201019-	10/19/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-47	W47-201019-	10/19/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-56	W56-201013-	10/13/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-59	W59-201015-	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-64	W64-201007-	10/7/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-65	W65-201015-	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-66	W66-201006-	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-67	W67-201006-	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-68	W68-201014-	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-72	W72-201012-	10/12/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-73	W73-201002-	10/2/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R201002-	10/2/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-75	W75-201002-	10/2/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-76	W76-201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-80	W80-201014-	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-81	W81-201014-	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-82	W82-201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-83	W83-201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-84	W84-201013-	10/13/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-85	W85-201007-	10/7/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-86	W86-201007-	10/7/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-87	W87-201013-	10/13/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-88	W88-201006-	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-89	W89-201006-	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-93	W93-201007-	10/7/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-94	W94-201016-	10/16/2020	2.5 U	0.1 U	0.1 U	0.1 U
MW-95	W95-201012-	10/12/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	2.5 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	1,2-Dichloropropane ug/l 78-87-5	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
MW-100	W100201008-	10/8/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-101	W101201022-	10/22/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-102	W102201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-103	W103201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-107	W107201019-	10/19/2020	0.1 U	0.462	0.25 U	0.5 U	2.5 U	2.5 U
MW-110	W110201020-	10/20/2020	0.334	0.217	0.25 U	0.5 U	2.5 U	2.5 U
MW-113	W113201016-	10/16/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-114	W114201015-	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-115	W115201020-	10/20/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-21	W21-201002-	10/2/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	4.85 JT
MW-24	W24-201008-	10/8/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-30A	W30A201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-47	W47-201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-56	W56-201013-	10/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-59	W59-201015-	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-64	W64-201007-	10/7/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.82 JT
MW-65	W65-201015-	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-66	W66-201006-	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-67	W67-201006-	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-68	W68-201014-	10/14/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-72	W72-201012-	10/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-73	W73-201002-	10/2/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-74R	W74R201002-	10/2/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-75	W75-201002-	10/2/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-76	W76-201016-	10/16/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-80	W80-201014-	10/14/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
MW-81	W81-201014-	10/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-82	W82-201016-	10/16/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-83	W83-201016-	10/16/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-84	W84-201013-	10/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-85	W85-201007-	10/7/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-86	W86-201007-	10/7/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-87	W87-201013-	10/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-88	W88-201006-	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-89	W89-201006-	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-93	W93-201007-	10/7/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-94	W94-201016-	10/16/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
MW-95	W95-201012-	10/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	3.5 JT
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U

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Site	Sample ID	Date	1,2-Dichloropropane ug/l 78-87-5	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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	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
MW-100	W100201008-	10/8/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-101	W101201022-	10/22/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-102	W102201019-	10/19/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-103	W103201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-107	W107201019-	10/19/2020	0.035 U	0.636	0.1 U	0.25 U	0.5 U
MW-110	W110201020-	10/20/2020	0.035 U	0.521	0.1 U	0.25 U	0.5 U
MW-113	W113201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-114	W114201015-	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-115	W115201020-	10/20/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-21	W21-201002-	10/2/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-24	W24-201008-	10/8/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-30A	W30A201019-	10/19/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-47	W47-201019-	10/19/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-56	W56-201013-	10/13/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-59	W59-201015-	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-64	W64-201007-	10/7/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-65	W65-201015-	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-66	W66-201006-	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-67	W67-201006-	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-68	W68-201014-	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-72	W72-201012-	10/12/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-73	W73-201002-	10/2/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-74R	W74R201002-	10/2/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-75	W75-201002-	10/2/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-76	W76-201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-80	W80-201014-	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-81	W81-201014-	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-82	W82-201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-83	W83-201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-84	W84-201013-	10/13/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-85	W85-201007-	10/7/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-86	W86-201007-	10/7/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-87	W87-201013-	10/13/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-88	W88-201006-	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-89	W89-201006-	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-93	W93-201007-	10/7/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-94	W94-201016-	10/16/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-95	W95-201012-	10/12/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U

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Site	Sample ID	Date	Acrylonitrile ug/l 107-13-1	Benzene ug/l 71-43-2	Bromochloro methane ug/l 74-97-5	Bromochloro methane ug/l 75-27-4	Bromoform ug/l 75-25-2
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U

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Site	Sample ID	Date	Bromomethane ug/l 74-83-9	Carbon Disulfide ug/l 75-15-0	Carbon Tetrachloride ug/l 56-23-5	Chlorbenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3
MW-100	W100201008-	10/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-101	W101201022-	10/22/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.172 JT
MW-102	W102201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-103	W103201016-	10/16/2020	0.1 U	0.461	0.25 U	0.1 U	0.5 U	0.1 U
MW-107	W107201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.507	0.5 U	0.1 U
MW-110	W110201020-	10/20/2020	0.1 U	0.1 U	0.25 U	1.38	0.5 U	0.31
MW-113	W113201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-114	W114201015-	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-115	W115201020-	10/20/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-47	W47-201019-	10/19/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.226
MW-56	W56-201013-	10/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.1 U	0.112 JT	0.25 U	0.1 U	0.5 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

Site	Sample ID	Date	Bromomethane ug/l 74-83-9	Carbon Disulfide ug/l 75-15-0	Carbon Tetrachloride ug/l 56-23-5	Chlorbenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

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Site	Sample ID	Date	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
MW-100	W100201008-	10/8/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-101	W101201022-	10/22/2020	0.1 U	0.25 U	0.204	0.25 U	0.1 U
MW-102	W102201019-	10/19/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-103	W103201016-	10/16/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-107	W107201019-	10/19/2020	0.1 U	0.25 U	0.118 JT	0.25 U	0.1 U
MW-110	W110201020-	10/20/2020	0.1 U	0.25 U	7.44	0.25 U	0.1 U
MW-113	W113201016-	10/16/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-114	W114201015-	10/15/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-115	W115201020-	10/20/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.1 U	0.25 U	3.03	0.25 U	0.1 U
MW-47	W47-201019-	10/19/2020	0.1 U	0.25 U	1.29	0.25 U	0.1 U
MW-56	W56-201013-	10/13/2020	0.1 U	0.25 U	1.43	0.25 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.1 U	0.25 U	1.16	0.25 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.1 U	0.25 U	0.148 JT	0.25 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	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	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6
MW-100	W100201008-	10/8/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-101	W101201022-	10/22/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-102	W102201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-103	W103201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-107	W107201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-110	W110201020-	10/20/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-113	W113201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-114	W114201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-115	W115201020-	10/20/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-47	W47-201019-	10/19/2020	1.09 L	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-56	W56-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U

Site	Sample ID	Date	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	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	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
MW-100	W100201008-	10/8/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-101	W101201022-	10/22/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	W102201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	W103201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.115 JT
MW-110	W110201020-	10/20/2020	0.1 U	0.1 U	0.1 U	0.414
MW-113	W113201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	W114201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	W115201020-	10/20/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.1 U	0.122 JT	0.1 U	0.1 U
MW-47	W47-201019-	10/19/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-56	W56-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.1 U	0.385	0.1 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.1 U	0.1 U	0.1 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U

Site	Sample ID	Date	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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.1 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	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
MW-100	W100201008-	10/8/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-101	W101201022-	10/22/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-102	W102201019-	10/19/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-103	W103201016-	10/16/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-107	W107201019-	10/19/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-110	W110201020-	10/20/2020	0.5 U	0.5 U	0.158 JT	0.1 U	0.1 U
MW-113	W113201016-	10/16/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-114	W114201015-	10/15/2020	0.5 U	5 U	9.38	0.1 U	0.1 U
MW-115	W115201020-	10/20/2020	0.5 U	5 U	4.79	0.1 U	0.1 U
MW-21	W21-201002-	10/2/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-24	W24-201008-	10/8/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A201019-	10/19/2020	0.5 U	0.5 U	0.837	0.1 U	0.1 U
MW-47	W47-201019-	10/19/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-56	W56-201013-	10/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-59	W59-201015-	10/15/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-64	W64-201007-	10/7/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-65	W65-201015-	10/15/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-66	W66-201006-	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-67	W67-201006-	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-68	W68-201014-	10/14/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-72	W72-201012-	10/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-73	W73-201002-	10/2/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R201002-	10/2/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-75	W75-201002-	10/2/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-76	W76-201016-	10/16/2020	0.5 U	5 U	7.63	0.1 U	0.1 U
MW-80	W80-201014-	10/14/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
MW-81	W81-201014-	10/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-82	W82-201016-	10/16/2020	0.5 U	5 U	4.22	0.1 U	0.1 U
MW-83	W83-201016-	10/16/2020	0.5 U	5 U	1.98	0.1 U	0.1 U
MW-84	W84-201013-	10/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-85	W85-201007-	10/7/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-86	W86-201007-	10/7/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-87	W87-201013-	10/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-88	W88-201006-	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-89	W89-201006-	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-93	W93-201007-	10/7/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
MW-94	W94-201016-	10/16/2020	0.5 U	5 U	2.31	0.1 U	0.1 U
MW-95	W95-201012-	10/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U

Site	Sample ID	Date	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
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Site	Sample ID	Date	Vinyl Chloride ug/l 75-01-4
MW-100	W100201008-	10/8/2020	0.01 U
MW-101	W101201022-	10/22/2020	0.315 DL
MW-102	W102201019-	10/19/2020	0.0106 DJLT
MW-103	W103201016-	10/16/2020	0.01 DU
MW-107	W107201019-	10/19/2020	1.56 DL
MW-110	W110201020-	10/20/2020	0.382 DL
MW-113	W113201016-	10/16/2020	0.01 U
MW-114	W114201015-	10/15/2020	0.01 DU
MW-115	W115201020-	10/20/2020	0.01 U
MW-21	W21-201002-	10/2/2020	0.01 U
MW-24	W24-201008-	10/8/2020	0.0276
MW-30A	W30A201019-	10/19/2020	0.011 DJLT
MW-47	W47-201019-	10/19/2020	3.72 DL
MW-56	W56-201013-	10/13/2020	0.01 DU
MW-59	W59-201015-	10/15/2020	0.01 DU
MW-64	W64-201007-	10/7/2020	0.01 U
MW-65	W65-201015-	10/15/2020	0.0288 DL
MW-66	W66-201006-	10/6/2020	0.01 U
MW-67	W67-201006-	10/6/2020	0.01 U
MW-68	W68-201014-	10/14/2020	0.01 DU
MW-72	W72-201012-	10/12/2020	0.01 DU
MW-73	W73-201002-	10/2/2020	0.01 U
MW-74R	W74R201002-	10/2/2020	0.01 U
MW-75	W75-201002-	10/2/2020	0.01 U
MW-76	W76-201016-	10/16/2020	0.01 U
MW-80	W80-201014-	10/14/2020	0.0101 DJLT
MW-81	W81-201014-	10/14/2020	0.01 DU
MW-82	W82-201016-	10/16/2020	0.01 U
MW-83	W83-201016-	10/16/2020	0.01 U
MW-84	W84-201013-	10/13/2020	0.01 U
MW-85	W85-201007-	10/7/2020	0.01 U
MW-86	W86-201007-	10/7/2020	0.01 U
MW-87	W87-201013-	10/13/2020	0.01 DU
MW-88	W88-201006-	10/6/2020	0.01 U
MW-89	W89-201006-	10/6/2020	0.01 U
MW-93	W93-201007-	10/7/2020	0.01 U
MW-94	W94-201016-	10/16/2020	0.0109 JLT
MW-95	W95-201012-	10/12/2020	0.01 DU
VOA TRIP BLANK	VTRP201002Y	10/1/2020	0.01 U
VOA TRIP BLANK	VTRP201006X	10/5/2020	0.01 U
VOA TRIP BLANK	VTRP201006Z	10/5/2020	0.01 U
VOA TRIP BLANK	VTRP201007Z	10/6/2020	0.01 U
VOA TRIP BLANK	VTRP201008Y	10/6/2020	0.01 U
VOA TRIP BLANK	VTRP201012X	10/7/2020	0.01 U
VOA TRIP BLANK	VTRP201014X	10/13/2020	0.01 DU
VOA TRIP BLANK	VTRP201014Y	10/12/2020	0.01 DU
VOA TRIP BLANK	VTRP201015X	10/14/2020	0.01 DU

Data Collected from October 1, 2020 to December 31, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Vinyl Chloride ug/l 75-01-4
VOA TRIP BLANK	VTRP201015Y	10/14/2020	0.01 DU
VOA TRIP BLANK	VTRP201016X	10/15/2020	0.01 U
VOA TRIP BLANK	VTRP201016Y	10/15/2020	0.01 U
VOA TRIP BLANK	VTRP201016Z	10/13/2020	0.01 DU
VOA TRIP BLANK	VTRP201019Y	10/14/2020	0.01 DU
VOA TRIP BLANK	VTRP201020X	10/19/2020	0.01 DU
VOA TRIP BLANK	VTRP201020Y	10/15/2020	0.01 DU

See Data Qualifier List for Qualifier Information.

Storm and Surface Water Field and Analytical Data

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Surface Water Elevation-Staff Gage Measurements
Contact Person: Subrina Tahsin (206) 263-6921

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	10/1/2020	415.38	418.84		0.47	415.85	
SW-G1	SW-W1	11/25/2020	415.38	418.84		0.76	416.14	
SW-G1	SW-W1	12/14/2020	415.38	418.84		0.67	416.05	
SW-G2	SW-N1	10/1/2020	355.68	358.21	3.51		354.70	
SW-G2	SW-N1	11/25/2020	355.68	358.21		0.59	356.27	
SW-G2	SW-N1	12/14/2020	355.68	358.21		0.67	356.35	
SW-G3	SW -V	10/1/2020	466.46	469.88				DRY @ 5.51
SW-G3	SW -V	11/25/2020	466.46	469.88				DRY @ 5.50
SW-G3	SW -V	12/14/2020	466.46	469.88	5.51		464.37	
SW-G4	Upstream of SW-E1	10/1/2020	502.41	505.85				DRY @ 6.37
SW-G4	Upstream of SW-E1	11/25/2020	502.41	505.85	3.75		502.10	
SW-G4	Upstream of SW-E1	12/14/2020	502.41	505.85		0.33	502.74	
SW-G5	SW-E1	10/1/2020	486.92	490.34				DRY @ 5.37
SW-G5	SW-E1	11/25/2020	486.92	490.34		0.5	487.42	
SW-G5	SW-E1	12/14/2020	486.92	490.34		0.6	487.52	
SW-G6	Upstream of SW-GS1	10/1/2020	490.72	494.12	5.54		488.58	
SW-G6	Upstream of SW-GS1	11/25/2020	490.72	494.12	2.81		491.31	
SW-G6	Upstream of SW-GS1	12/14/2020	490.72	494.12	2.67		491.45	
SW-G7	SW-S2	10/1/2020	453.03	456.41				DRY
SW-G7	SW-S2	11/25/2020	453.03	456.41		0.95	453.98	
SW-G7	SW-S2	12/14/2020	453.03	456.41		0.95	453.98	
SW-G8	Upstream of SW-S1	10/1/2020	510.61	515.56				DRY
SW-G8	Upstream of SW-S1	11/25/2020	510.61	515.56		0.24	510.85	
SW-G8	Upstream of SW-S1	12/14/2020	510.61	515.56		0.25	510.86	
SW-G9	SW-S1	10/1/2020	490.93	494.35				DRY
SW-G9	SW-S1	11/25/2020	490.93	494.35		0.56	491.49	
SW-G9	SW-S1	12/14/2020	490.93	494.35		0.58	491.51	

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Surface Water Field Parameters
Contact Person: Subrina Tahsin (206) 263-6921

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-E1	SE1-201130-	11/30/2020	5.65	40.8	6.67	4.24	7.78
SW-GS1	SGS1201119P	11/19/2020	6.83		7.85	8.19	
SW-N4	SN4-201012P	10/12/2020	7.1		13.9	103	
SW-SL3	SSL3201119P	11/19/2020	7.16		7.78	6.72	

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Surface Water ISGP Analytes
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Zinc, total (mg/L)
SW-GS1	SGS1201119P	11/19/2020	0.0341	2 U	0.7 T	0.00205
SW-N4	SN4-201012P	10/12/2020	0.0965	3.05	32	0.0164
SW-SL3	SSL3201119P	11/19/2020	0.0302	2.45	4.5	0.00796

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Surface Water VOAs Analytes
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	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	SGS1201119P	11/19/2020	0.5 U	0.5 U	10 U	0.5 U
SW-N4	SN4-201012P	10/12/2020	0.505 U	0.505 U	10.1 U	0.505 U
SW-SL3	SSL3201119P	11/19/2020	0.5 U	0.5 U	10 U	0.5 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,4-DICHLOROBENZENE	2-BUTANONE
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			N	N	N	N	N	N	N	N	N	N	N	N	N	N
SW-E1	SE1-201130-	11/30/2020	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	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONITRILE	ALKALINITY, TOTAL (AS CACO3)	AMMONIA AS N	ANTIMONY	ANTIMONY	ARSENIC	ARSENIC	BARIUM	BARIUM	BENZENE
			591-78-6	108-10-1	67-64-1	107-13-1	ALK	7664-41-7	7440-36-0	7440-36-0	7440-38-2	7440-38-2	7440-39-3	7440-39-3	71-43-2
			ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
			N	N	N	N	N	N	D	T	D	T	D	T	N
SW-E1	SE1-201130-	11/30/2020	0.5 U	2.5 U	2.5 U	0.035 U	12.8	0.0053 T	0.0003 U	0.0003 U	0.00028	0.000299	0.00418	0.00463	0.1 U

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	BERYLLIUM	BERYLLIUM	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM	CALCIUM	CALCIUM	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLORIDE
			7440-41-7	7440-41-7	74-97-5	75-27-4	75-25-2	74-83-9	7440-43-9	7440-43-9	7440-70-2	7440-70-2	75-15-0	56-23-5	16887-00-6
			mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l
			D	T	N	N	N	N	D	T	D	T	N	N	N
SW-E1	SE1-201130-	11/30/2020	0.0001 U	0.0001 U	0.1 U	0.25 U	0.5 U	0.1 U	5E-05 U	5E-05 U	5.09	5.09	0.1 U	0.25 U	1.96

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	COBALT	COBALT	COPPER	COPPER	DIBROMOMETHANE
			108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	7440-47-3	7440-47-3	156-59-2	10061-01-5	7440-48-4	7440-48-4	7440-50-8	7440-50-8	74-95-3
			ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l
			N	N	N	N	N	D	T	N	N	D	T	D	T	N
SW-E1	SE1-201130-	11/30/2020	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.000229	0.000286	0.1 U	0.25 U	5.74E-05	7.56E-05	0.000935	0.000994	0.1 U

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	DICHLORODIFLUOROMETHANE	ETHYLBENZENE	IRON	IRON	LEAD	LEAD	M & P XYLENE	MAGNESIUM	MAGNESIUM	MANGANESE	MANGANESE	MERCURY	MERCURY	METHYL IODIDE
			75-71-8	100-41-4	7439-89-6	7439-89-6	7439-92-1	7439-92-1	MPX	7439-95-4	7439-95-4	7439-96-5	7439-96-5	7439-97-6	7439-97-6	74-88-4
			ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
			N	N	D	T	D	T	N	D	T	D	T	D	T	N
SW-E1	SE1-201130-	11/30/2020	0.1 U	0.1 U	0.109	0.143	0.000119	0.00019	0.1 U	1.14	1.14	0.0122	0.0143			0.1 U

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	METHYLENE CHLORIDE	NICKEL	NICKEL	NITRATE	O-XYLENE	POTASSIUM	POTASSIUM	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	SODIUM	SPECIFIC CONDUCTANCE
			75-09-2	7440-02-0	7440-02-0	14797-55-8	95-47-6	7440-09-7	7440-09-7	7782-49-2	7782-49-2	7440-22-4	7440-22-4	7440-23-5	7440-23-5	COND
			ug/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
			N	D	T	N	N	D	T	D	T	D	T	D	T	N
SW-E1	SE1-201130-	11/30/2020	2.5 U	0.000268	0.000352	0.369	0.1 U	0.694	0.73	0.0005 U	0.0005 U	4E-05 U	4E-05 U	2.31	2.31	48.5

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	STYRENE	SULFATE	TETRACHLOROETHENE	THALLIUM	THALLIUM	TOLUENE	TOTAL DISSOLVED SOLIDS	TOTAL ORGANIC CARBON	TOTAL SOLIDS	TOTAL SUSPENDED SOLIDS	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHENE
			100-42-5	14808-79-8	127-18-4	7440-28-0	7440-28-0	108-88-3	TDS	TOC	TS	TSS	156-60-5	10061-02-6	110-57-6	79-01-6
			ug/l	mg/l	ug/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l
			N	N	N	D	T	N	N	N	N	N	N	N	N	N
SW-E1	SE1-201130-	11/30/2020	0.1 U	2.76	0.1 U	0.0001 U	0.0001 U	0.1 U	59.3	5.44	55.3	0.9 T	0.1 U	0.5 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	TRICHLOROFLUOROMETHANE	VANADIUM	VANADIUM	VINYL ACETATE	VINYL CHLORIDE	ZINC	ZINC
			75-69-4	7440-62-2	7440-62-2	108-05-4	75-01-4	7440-66-6	7440-66-6
			ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l
			N	D	T	N	N	D	T
SW-E1	SE1-201130-	11/30/2020	0.1 U	0.000703	0.000976	0.1 U	0.01 U	0.00178	0.00235

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill --- Area 5 Top Deck Surface Water Monitoring Data
Contact Person: Subrina Tahsin (206) 263-6921

	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)	Turbidity (Field) (NTU)	Alkalinity, (Total) (CaCO3) (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Iron, (Dissolved) (mg/L)	Iron, (Total) (mg/L)	Sulfate (SO4) (mg/L)	Total Organic Carbon (mg/L)
SW-TD1	STD1201012-	10/12/2020	7.27	379.7	12.79	14.7	115	34.7	2.17	0.983	1.01	70.6	9.02
SW-TD2	STD2201217-	12/17/2020	6.21	49.4	7.278	8.96	16.4	20 T	1.56	0.0731	0.411	1.01	5.77
SW-TD7	STD7201012E	10/12/2020	6.99	170.2	14.8	31.2	42.8	142	1.73	0.509	2.58	26.6	33.4

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1757822 - 1/22/2021 1:20:56 PM

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 Friday January 22 2021

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



IyyufZKoBxvo/yULjr5Q1m+YTfNLqs2wSdxYSISwmsjWr0InF1wSGxigakpOHuEmMa+bjASuM0+vNVWkE
+YII7Kdo5ZVkvlmIBiD6ubCnP0=

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: 10/01/2020 - 12/31/2020 **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
8-Th	**11/19/20**	8.19	No	4.61	<2	J|0.7	0.0341	<0.5	<10	<0.5	<0.5	2.05
Minimum												
Average		8.19		4.61								
		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					<2	0.7	0.0341	<0.5	<10	<0.5	<0.5	2.05
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection, J - Estimated Value/Below Quantitation Limit, 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
8-Th	**11/19/20**	6.83
Minimum		6.83
		>= 6.0 (RO)
Average		
Maximum		6.83
		<= 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: 10/01/2020 - 12/31/2020 **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
3-M	**10/12/20**	103	No	11	3.05	32	0.0965	<0.505	<10.1	<0.505	<0.505	16.4
3-Th	**10/15/20**	21.9										
3-F	**10/16/20**	16.5										
4-M	**10/19/20**	7.56										
4-T	**10/20/20**	6.05										
4-W	**10/21/20**	5.76										
5-W	**10/28/20**	10.6										
Minimum												
Average		24.4814		11								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					3.05	32	0.0965	<0.505	<10.1	<0.505	<0.505	16.4
					<= 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					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection, J - Estimated Value/Below Quantitation Limit, 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
3-M	**10/12/20**	7.1
3-Th	**10/15/20**	
3-F	**10/16/20**	
4-M	**10/19/20**	
4-T	**10/20/20**	
4-W	**10/21/20**	
5-W	**10/28/20**	
Minimum		7.1
		>= 6.0 (RO)
Average		
Maximum		7.1
		<= 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: 10/01/2020 - 12/31/2020 **Outfall:** SL3 - Discharge to unnamed stream (ditch) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Weasured 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
8-Th	**11/19/20**	6.72	No	4.86	2.45	4.5	0.0302	<0.5	<10	<0.5	<0.5	7.96
Minimum												
Average		6.72		4.86								
		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					2.45	4.5	0.0302	<0.5	<10	<0.5	<0.5	7.96
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection, J - Estimated Value/Below Quantitation Limit, 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**

1/22/2021 1:21:01 PM — **Date**

Week	Monitoring Point	pH Standard Units Quarterly Grab
		SL3
	Limit Set	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
8-Th	11/19/20	7.16
Minimum		4.86
		>= 6.0 (RO)
Average		
Maximum		4.86
		<= 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: 1748696 - 11/13/2020 1:20:21 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 November 13 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



jOpir8WLIxCD68JJAMuF7ZjQkli5Z3YgBt9gLaHu32q6WF5BMQtAsGMf3SqDqrnPveNdlyh4P6fixpApjk848XnSErvbYIQ5O
Vz97x1yuSU=

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: 10/01/2020 - 10/31/2020 **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-Th	**10/1/20**		M
1-F	**10/2/20**	C	M
1-Sa	**10/3/20**		M
2-Su	**10/4/20**		M
2-M	**10/5/20**		M
2-T	**10/6/20**		M
2-W	**10/7/20**		M
2-Th	**10/8/20**		M
2-F	**10/9/20**		M
2-Sa	**10/10/20**	C	M
3-Su	**10/11/20**		M
3-M	**10/12/20**		M
3-T	**10/13/20**		M
3-W	**10/14/20**	C	M
3-Th	**10/15/20**		M
3-F	**10/16/20**		M
3-Sa	**10/17/20**		M
4-Su	**10/18/20**		M
4-M	**10/19/20**	M*	M
4-T	**10/20/20**		M
4-W	**10/21/20**		M
4-Th	**10/22/20**		M
4-F	**10/23/20**		M
4-Sa	**10/24/20**		M
5-Su	**10/25/20**		M
5-M	**10/26/20**	C	M
5-T	**10/27/20**		M
5-W	**10/28/20**		M
5-Th	**10/29/20**		M
5-F	**10/30/20**		M
5-Sa	**10/31/20**		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. During the month of October, there was a transition work between contractors (week of October 19) where no construction work was performed and the site was stable. Construction work for 2020 was scheduled to end in October but has extended into November 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.

Outfall: CHL - Queen City Farms Lake (QCFL)

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
CHL	Turbidity (Nephelometric) Measured NTU	10/19/2020	M	During this week, there was no construction work being performed and the site was stable.

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: 10/01/2020 - 10/31/2020 **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-Th	**10/1/20**		M
1-F	**10/2/20**	C	M
1-Sa	**10/3/20**		M
2-Su	**10/4/20**		M
2-M	**10/5/20**		M
2-T	**10/6/20**		M
2-W	**10/7/20**		M
2-Th	**10/8/20**		M
2-F	**10/9/20**		M
2-Sa	**10/10/20**	C	M
3-Su	**10/11/20**		M
3-M	**10/12/20**		M
3-T	**10/13/20**		M
3-W	**10/14/20**	C	M
3-Th	**10/15/20**		M
3-F	**10/16/20**		M
3-Sa	**10/17/20**		M
4-Su	**10/18/20**		M
4-M	**10/19/20**	M*	M
4-T	**10/20/20**		M
4-W	**10/21/20**		M
4-Th	**10/22/20**		M
4-F	**10/23/20**		M
4-Sa	**10/24/20**		M
5-Su	**10/25/20**		M
5-M	**10/26/20**	C	M
5-T	**10/27/20**		M
5-W	**10/28/20**		M
5-Th	**10/29/20**		M
5-F	**10/30/20**		M
5-Sa	**10/31/20**		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. During the month of October, there was a transition work between contractors (week of October 19) where no construction work was performed and the site was stable. Construction work for 2020 was scheduled to end in October but has extended into November 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.

Outfall: grav - The gravel pit lake infiltrates and has no surface discharge outlet

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C3	Turbidity (Nephelometric) Measured NTU	10/19/2020	M	During this week, there was no construction work being performed and the site was stable.

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: 10/01/2020 - 10/31/2020 **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-Th	**10/1/20**		M		M
1-F	**10/2/20**	C	M	C	M
1-Sa	**10/3/20**		M		M
2-Su	**10/4/20**		M		M
2-M	**10/5/20**		M		M
2-T	**10/6/20**		M		M
2-W	**10/7/20**		M		M
2-Th	**10/8/20**		M		M
2-F	**10/9/20**		M		M
2-Sa	**10/10/20**	C	M	C	M
3-Su	**10/11/20**		M		M
3-M	**10/12/20**		M		M
3-T	**10/13/20**		M		M
3-W	**10/14/20**	C	M	C	M
3-Th	**10/15/20**		M		M
3-F	**10/16/20**		M		M
3-Sa	**10/17/20**		M		M
4-Su	**10/18/20**		M		M
4-M	**10/19/20**	M*	M	M*	M
4-T	**10/20/20**		M		M
4-W	**10/21/20**		M		M
4-Th	**10/22/20**		M		M
4-F	**10/23/20**		M		M
4-Sa	**10/24/20**		M		M
5-Su	**10/25/20**		M		M
5-M	**10/26/20**	C	M	C	M
5-T	**10/27/20**		M		M
5-W	**10/28/20**		M		M
5-Th	**10/29/20**		M		M
5-F	**10/30/20**		M		M
5-Sa	**10/31/20**		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. During the month of October, there was a transition work between contractors (week of October 19) where no construction work was performed and the site was stable. Construction work for 2020 was scheduled to end in October but has extended into November 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.

Outfall: McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C1	Turbidity (Nephelometric) Measured NTU	10/19/2020	M	During this week, there was no construction activity and the site was stable.
C2	Turbidity (Nephelometric) Measured NTU	10/19/2020	M	During this week, there was no construction activity and the site was stable.

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

11/13/2020 1:20:26 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1751623 - 12/11/2020 2:19:06 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 December 11 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



BCXjfZb3AaouqFmvcbDManQIAPVpsEIUWe2V/wdaeeH0YFjpJ7oSifkLKTjXoQlwIS8773E7ZtAHEi11tTM
+73yG7S0MATuwwvlmz7GbA+8=

Report Received: 2020-12-11 14:19
Page 1 of 1 Pages

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: 11/01/2020 - 11/30/2020 **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-Su	**11/1/20**		M
1-M	**11/2/20**		M
1-T	**11/3/20**		M
1-W	**11/4/20**		M
1-Th	**11/5/20**		M
1-F	**11/6/20**		M
1-Sa	**11/7/20**	C	M
2-Su	**11/8/20**		M
2-M	**11/9/20**		M
2-T	**11/10/20**		M
2-W	**11/11/20**		M
2-Th	**11/12/20**		M
2-F	**11/13/20**	4	M
2-Sa	**11/14/20**		M
3-Su	**11/15/20**		M
3-M	**11/16/20**		M
3-T	**11/17/20**		M
3-W	**11/18/20**		M
3-Th	**11/19/20**		M
3-F	**11/20/20**	C	M
3-Sa	**11/21/20**		M
4-Su	**11/22/20**	M	M
4-M	**11/23/20**	M	M
4-T	**11/24/20**	M	M
4-W	**11/25/20**	M	M
4-Th	**11/26/20**	M	M
4-F	**11/27/20**	M	M
4-Sa	**11/28/20**	M	M
5-Su	**11/29/20**	M	M
5-M	**11/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		4	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 for 2020 resumed the week of August 17 and ended November 20. During this time period inspections were performed on a weekly basis. The site is currently 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: 11/01/2020 - 11/30/2020 **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-Su	**11/1/20**		M
1-M	**11/2/20**		M
1-T	**11/3/20**		M
1-W	**11/4/20**		M
1-Th	**11/5/20**		M
1-F	**11/6/20**		M
1-Sa	**11/7/20**	C	M
2-Su	**11/8/20**		M
2-M	**11/9/20**		M
2-T	**11/10/20**		M
2-W	**11/11/20**		M
2-Th	**11/12/20**		M
2-F	**11/13/20**	3	M
2-Sa	**11/14/20**		M
3-Su	**11/15/20**		M
3-M	**11/16/20**		M
3-T	**11/17/20**		M
3-W	**11/18/20**		M
3-Th	**11/19/20**		M
3-F	**11/20/20**	C	M
3-Sa	**11/21/20**		M
4-Su	**11/22/20**	M	M
4-M	**11/23/20**	M	M
4-T	**11/24/20**	M	M
4-W	**11/25/20**	M	M
4-Th	**11/26/20**	M	M
4-F	**11/27/20**	M	M
4-Sa	**11/28/20**	M	M
5-Su	**11/29/20**	M	M
5-M	**11/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		3	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 for 2020 resumed the week of August 17 and ended November 20. During this time period inspections were performed on a weekly basis. The site is currently 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: 11/01/2020 - 11/30/2020 **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-Su	**11/1/20**		M		M
1-M	**11/2/20**		M		M
1-T	**11/3/20**		M		M
1-W	**11/4/20**		M		M
1-Th	**11/5/20**		M		M
1-F	**11/6/20**		M		M
1-Sa	**11/7/20**	C	M	C	M
2-Su	**11/8/20**		M		M
2-M	**11/9/20**		M		M
2-T	**11/10/20**		M		M
2-W	**11/11/20**		M		M
2-Th	**11/12/20**		M		M
2-F	**11/13/20**	15	M	4	M
2-Sa	**11/14/20**		M		M
3-Su	**11/15/20**		M		M
3-M	**11/16/20**		M		M
3-T	**11/17/20**		M		M
3-W	**11/18/20**		M		M
3-Th	**11/19/20**		M		M
3-F	**11/20/20**	9	M	3	M
3-Sa	**11/21/20**		M		M
4-Su	**11/22/20**	M	M	M	M
4-M	**11/23/20**	M	M	M	M
4-T	**11/24/20**	M	M	M	M
4-W	**11/25/20**	M	M	M	M
4-Th	**11/26/20**	M	M	M	M
4-F	**11/27/20**	M	M	M	M
4-Sa	**11/28/20**	M	M	M	M
5-Su	**11/29/20**	M	M	M	M
5-M	**11/30/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		15	M	4	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

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Construction activities for 2020 resumed the week of August 17 and ended November 20. During this time period inspections were performed on a weekly basis. The site is currently 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
	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

12/11/2020 2:19:11 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1755910 - 1/13/2021 2:43:23 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 Wednesday January 13 2021

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



Cdy5BDKT0EHO8Hyy1uCJp6dkpXcht4OnbH3njv4LPJLJZtCZdnzSn8BsS4pI4OgqKarxuIFIIdC1BySeTvgBusTEVwq6Wj6gI8lskDwT+KY=

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: 12/01/2020 - 12/31/2020 **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-T	**12/1/20**	M	M
1-W	**12/2/20**	M	M
1-Th	**12/3/20**	M	M
1-F	**12/4/20**	M	M
1-Sa	**12/5/20**	M	M
2-Su	**12/6/20**	M	M
2-M	**12/7/20**	M	M
2-T	**12/8/20**	M	M
2-W	**12/9/20**	M	M
2-Th	**12/10/20**	M	M
2-F	**12/11/20**	M	M
2-Sa	**12/12/20**	M	M
3-Su	**12/13/20**		M
3-M	**12/14/20**		M
3-T	**12/15/20**		M
3-W	**12/16/20**		M
3-Th	**12/17/20**		M
3-F	**12/18/20**	17.6	M
3-Sa	**12/19/20**		M
4-Su	**12/20/20**	M	M
4-M	**12/21/20**	M	M
4-T	**12/22/20**	M	M
4-W	**12/23/20**	M	M
4-Th	**12/24/20**	M	M
4-F	**12/25/20**	M	M
4-Sa	**12/26/20**	M	M
5-Su	**12/27/20**	M	M
5-M	**12/28/20**	M	M
5-T	**12/29/20**	M	M
5-W	**12/30/20**	M	M
5-Th	**12/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		17.6	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-2025 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once every calendar month. Monitoring will continue on this monthly inspection schedule until construction activities recommence in Spring 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Gravel Filter Berm
	1	Other
	2	Check Dams

	2	Gravel Filter Berm
	2	Other
	3	Check Dams
	3	Gravel Filter Berm
	3	Other
	4	Check Dams
	4	Gravel Filter Berm
	4	Other
	5	Check Dams
	5	Gravel Filter Berm
	5	Other

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: 12/01/2020 - 12/31/2020 **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-T	**12/1/20**	M	M
1-W	**12/2/20**	M	M
1-Th	**12/3/20**	M	M
1-F	**12/4/20**	M	M
1-Sa	**12/5/20**	M	M
2-Su	**12/6/20**	M	M
2-M	**12/7/20**	M	M
2-T	**12/8/20**	M	M
2-W	**12/9/20**	M	M
2-Th	**12/10/20**	M	M
2-F	**12/11/20**	M	M
2-Sa	**12/12/20**	M	M
3-Su	**12/13/20**		M
3-M	**12/14/20**		M
3-T	**12/15/20**		M
3-W	**12/16/20**		M
3-Th	**12/17/20**		M
3-F	**12/18/20**	7.22	M
3-Sa	**12/19/20**		M
4-Su	**12/20/20**	M	M
4-M	**12/21/20**	M	M
4-T	**12/22/20**	M	M
4-W	**12/23/20**	M	M
4-Th	**12/24/20**	M	M
4-F	**12/25/20**	M	M
4-Sa	**12/26/20**	M	M
5-Su	**12/27/20**	M	M
5-M	**12/28/20**	M	M
5-T	**12/29/20**	M	M
5-W	**12/30/20**	M	M
5-Th	**12/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		7.22	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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Overall DMR Notes/Comment

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BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Gravel Filter Berm
	1	Other
	1	Triangular Silt Dike

	2	Check Dams
	2	Gravel Filter Berm
	2	Other
	2	Triangular Silt Dike
	3	Check Dams
	3	Gravel Filter Berm
	3	Other
	3	Triangular Silt Dike
	4	Check Dams
	4	Gravel Filter Berm
	4	Other
	4	Triangular Silt Dike
	5	Check Dams
	5	Gravel Filter Berm
	5	Other
	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: 12/01/2020 - 12/31/2020 **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-T	**12/1/20**	M	M	M	M
1-W	**12/2/20**	M	M	M	M
1-Th	**12/3/20**	M	M	M	M
1-F	**12/4/20**	M	M	M	M
1-Sa	**12/5/20**	M	M	M	M
2-Su	**12/6/20**	M	M	M	M
2-M	**12/7/20**	M	M	M	M
2-T	**12/8/20**	M	M	M	M
2-W	**12/9/20**	M	M	M	M
2-Th	**12/10/20**	M	M	M	M
2-F	**12/11/20**	M	M	M	M
2-Sa	**12/12/20**	M	M	M	M
3-Su	**12/13/20**		M		M
3-M	**12/14/20**		M		M
3-T	**12/15/20**		M		M
3-W	**12/16/20**		M		M
3-Th	**12/17/20**		M		M
3-F	**12/18/20**	3.16	M	14.7	M
3-Sa	**12/19/20**		M		M
4-Su	**12/20/20**	M	M	M	M
4-M	**12/21/20**	M	M	M	M
4-T	**12/22/20**	M	M	M	M
4-W	**12/23/20**	M	M	M	M
4-Th	**12/24/20**	M	M	M	M
4-F	**12/25/20**	M	M	M	M
4-Sa	**12/26/20**	M	M	M	M
5-Su	**12/27/20**	M	M	M	M
5-M	**12/28/20**	M	M	M	M
5-T	**12/29/20**	M	M	M	M
5-W	**12/30/20**	M	M	M	M
5-Th	**12/31/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		3.16	M	14.7	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-2025 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once every calendar month. Monitoring will continue on this monthly inspection schedule until construction activities recommence in Spring 2021.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	1	Silt Fence

	2	Check Dams
	2	Other
	2	Silt Fence
	3	Check Dams
	3	Other
	3	Silt Fence
	4	Check Dams
	4	Other
	4	Silt Fence
	5	Check Dams
	5	Other
	5	Silt Fence

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

1/13/2021 2:43:24 PM
Date

Leachate Field and Analytical Data

Leachate Monitoring Activities 4th Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-A567	10/8/2020	Special Investigation	L567201008I	
LS-A567	11/5/2020	Special Investigation	L567201105I	
LS-A567	12/3/2020	Special Investigation	L567201203I2	
LS-A567	12/3/2020	Special Investigation	L567201203I	
LS-A81	10/8/2020	Special Investigation	LA81201008I	
LS-A81	11/5/2020	Special Investigation	LA81201105I	
LS-A81	12/3/2020	Special Investigation	LA8-201203I2	
LS-A81	12/3/2020	Special Investigation	LA81201203I	
LS-LEPS	10/7/2020	Permit Sample	LEPS201007P	
LS-LEPS	10/13/2020	Permit Sample	LEPS201013P	
LS-LEPS	10/20/2020	Permit Sample	LEPS201020P	
LS-LEPS	10/27/2020	Permit Sample	LEPS201027P	
LS-LEPS	11/3/2020	Permit Sample	LEPS201103P	
LS-LEPS	11/10/2020	Permit Sample	LEPS201110P	
LS-LEPS	11/19/2020	Permit Sample	LEPS201118P	
LS-LEPS	11/19/2020	QA/QC Sample	LEPS201118D	Field Duplicate
LS-LEPS	11/24/2020	Permit Sample	LEPS201124P	
LS-LEPS	12/1/2020	Permit Sample	LEPS201201P	
LS-LEPS	12/9/2020	Permit Sample	LEPS201208P	
LS-LEPS	12/18/2020	Permit Sample	LEPS201217P	
LS-LEPS	12/22/2020	Permit Sample	LEPS201222P	
LS-LEPS	12/29/2020	Permit Sample	LEPS201230P	
LS-LEPS	10/13/2020	Monthly Characterization Sample	LEPS201013M	
LS-LEPS	11/3/2020	Monthly Characterization Sample	LEPS201103M	
LS-LEPS	12/1/2020	Monthly Characterization Sample	LEPS201201M	
LS-LEPS	10/13/2020	Special Investigation	LEPS201013E	
LS-LEPS	10/12/2020	Special Investigation	LEPS201012E	
LS-LEPS	10/14/2020	Special Investigation	LEPS201014E	
LS-LEPS	10/15/2020	Special Investigation	LEPS201015E	
LS-LEPS	10/16/2020	Special Investigation	LEPS201016E	
LS-LEPS	12/3/2020	Special Investigation	LEPS201203I2	
LS-PS1A	10/8/2020	Special Investigation	LP1A201008I	
LS-PS1A	11/5/2020	Special Investigation	LP1A201105I	
LS-PS1A	12/3/2020	Special Investigation	LP1A201203I2	
LS-PS1A	12/3/2020	Special Investigation	LP1A201203I	
LS-PS2A	10/7/2020	Monthly Characterization Sample	LP2A201007M	
LS-PS2A	11/4/2020	Monthly Characterization Sample	LP2A201104M	
LS-PS2A	12/3/2020	Monthly Characterization Sample	LP2A201203M	
LS-PS4	10/8/2020	Special Investigation	LP4-201008I	
LS-PS4	11/5/2020	Special Investigation	LP4-201105I	
LS-PS4	12/3/2020	Special Investigation	LP4-201203I2	
LS-PS4	12/3/2020	Special Investigation	LP4-201203I	

Leachate Monitoring Activities 4th Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-V1A	10/7/2020	Monthly Characterization Sample	LV1A201007M	
LS-V1A	11/4/2020	Monthly Characterization Sample	LV1A201104M	
LS-V1A	12/2/2020	Monthly Characterization Sample	LV1A201202M	
LS-V1A	12/3/2020	Special Investigation	LV1A201203I2	
FIELD BLANK	11/4/2020	QA/QC Sample	LV1A201104F	
FIELD BLANK	12/3/2020	QA/QC Sample	LP4-201203F	

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)
LS-A567	L567201008I	10/8/2020	8.36	24836	30.2
LS-A567	L567201105I	11/5/2020	8.33	20551	28
LS-A567	L567201203I	12/3/2020	8.42	19494	30.3
LS-A567	L567201203I2	12/3/2020	8.42	19494	30.3
LS-A81	LA81201008I	10/8/2020	5.08	28109	15.2
LS-A81	LA81201105I	11/5/2020	5.55	3195	16.4
LS-A81	LA81201203I	12/3/2020	6.38	14146	9.5
LS-LEPS	LEPS201007P	10/7/2020	8.62	11515	15.7
LS-LEPS	LEPS201012P	10/12/2020	8.12	10230	19.3
LS-LEPS	LEPS201013E	10/13/2020	8.41	10182	15.8
LS-LEPS	LEPS201013M	10/13/2020	8.55	11158	15.1
LS-LEPS	LEPS201013P	10/13/2020	8.55	11158	15.1
LS-LEPS	LEPS201014E	10/14/2020	8.41	10052	15
LS-LEPS	LEPS201015E	10/15/2020	8.41	10352	15.9
LS-LEPS	LEPS201016P	10/16/2020	8.45	10253	16.2
LS-LEPS	LEPS201020P	10/20/2020	8.17	9460	13.7
LS-LEPS	LEPS201027P	10/27/2020	8.37	6730	11.2
LS-LEPS	LEPS201103M	11/3/2020	6.83	6500	14
LS-LEPS	LEPS201110P	11/10/2020	8.46	6460	8.6
LS-LEPS	LEPS201118P	11/18/2020	8.39	4440	9.9
LS-LEPS	LEPS201201M	12/1/2020	8.24	3817	10.1
LS-LEPS	LEPS201201P	12/1/2020	8.24	3817	10.1
LS-LEPS	LEPS201203I2	12/3/2020	8.16	3915	10.1
LS-LEPS	LEPS201208P	12/9/2020	8.37	4273	10.4
LS-LEPS	LEPS201217P	12/17/2020	7.66	4210	10
LS-LEPS	LEPS201222P	12/22/2020	7.67	3640	9.9
LS-MH46N	L46N201007M	10/7/2020	7.3	12573	22.1
LS-MH46N	L46N201104M	11/4/2020	7.27	11204	22.6
LS-MH46N	L46N201202M	12/2/2020	7.17	10110	21.5
LS-PS1A	LP1A201008I	10/8/2020	7.59	7639	17.3
LS-PS1A	LP1A201105I	11/5/2020	7.17	1089	14.4
LS-PS1A	LP1A201203I	12/3/2020	7.56	1957	15.6
LS-PS1A	LP1A201203I2	12/3/2020	7.56	1957	15.6
LS-PS2A	LP2A201007M	10/7/2020	5.79	245.7	14.6
LS-PS2A	LP2A201104M	11/4/2020	5.93	118.6	14.3
LS-PS2A	LP2A201203M	12/3/2020	7.82	99.6	11.5
LS-PS4	LP4-201008I	10/8/2020	7.08	1591	16.6
LS-PS4	LP4-201105I	11/5/2020	7.99	543	16.6
LS-PS4	LP4-201203I	12/3/2020	7.46	807	13.3
LS-PS4	LP4-201203I2	12/3/2020	7.46	807	13.3
LS-V1A	LV1A201007M	10/7/2020	8.03	8994	18.4
LS-V1A	LV1A201104M	11/4/2020	7.44	8020	18.7
LS-V1A	LV1A201202M	12/1/2020	8.22	1614	10.8
LS-V1A	LV1A201203I2	12/3/2020	8.48	5395	15.5

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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	L567201008I	10/8/2020	661	10300	1980	2910	8090 S	2460				5 U	0.5 U
LS-A567	L567201105I	11/5/2020	394	8900	1520	2290	6870 S	2600				2 U	0.2 U
LS-A567	L567201203I	12/3/2020	233	8600	1930	2640	6160 S	2350				5 U	0.2 U
LS-A81	LA81201008I	10/8/2020	1 U	12000	1670	41300	65400 S	2350				400 U	0.05 U
LS-A81	LA81201105I	11/5/2020	1 U	1080	110	3430	5470	229				40 U	0.05 U
LS-A81	LA81201203I	12/3/2020	1 U	6160	1070	16200	22900 S	1120				100 U	0.05 U
LS-LEPS	LEPS201012E	10/12/2020			546	2180							
LS-LEPS	LEPS201016E	10/16/2020			511	1880							
LS-LEPS	LEPS201007P	10/7/2020											
LS-LEPS	LEPS201013E	10/13/2020			550	2080							
LS-LEPS	LEPS201013M	10/13/2020		4140	440	1070	3710	1220	4700	36000	0.02 SU	1 U	0.5 U
LS-LEPS	LEPS201014E	10/14/2020			404	2000							
LS-LEPS	LEPS201015E	10/15/2020			273	2070							
LS-LEPS	LEPS201103M	11/3/2020		2410	384	678	2310	653	13000 H	76000 H	0.008 SU	5 U	0.1 U
LS-LEPS	LEPS201201M	12/1/2020		1510	236	471	1470	324	7800	49000	0.008 SU	0.4 U	0.084 T
LS-LEPS	LEPS201217P	12/17/2020											
LS-LEPS	LEPS201222P	12/22/2020											
LS-MH46N	L46N201007M	10/7/2020		3550	645	123	1990	1850	1 U	1 C	0.02 SU	15 U	0.23 T
LS-MH46N	L46N201104M	11/4/2020		3430	750	97.8	1980	2050	1 U	400	0.014 ST	5 U	0.27 T
LS-MH46N	L46N201202M	12/2/2020		3320	662	94.9	1910	1750	1 U	2	0.012 ST	10 U	0.05 U
LS-PS1A	LP1A201008I	10/8/2020	1 U	2390	501	124	1050	887				0.4 U	0.566
LS-PS1A	LP1A201105I	11/5/2020	1 U	328	55.8	35.7	185	121				0.1 U	1.21
LS-PS1A	LP1A201203I	12/3/2020	1 U	631	125	57.6	299	212				0.2 U	0.64

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Sample ID	Date	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	L567201008I	10/8/2020	24500	52.9	1.17 S		2140 S	2220 S	16.8	6660	12.8
LS-A567	L567201105I	11/5/2020	22000	48.5	1.77		2050 S	1990 S	31.2	5760	18.4
LS-A567	L567201203I	12/3/2020	20500	25.2	1.48		2010 S	2120 S	13.2	4100 J	11.2
LS-A81	LA81201008I	10/8/2020	26500	1210	1.01 S		2400 S	20000 S	224 J	19900	148 J
LS-A81	LA81201105I	11/5/2020	3490	158	0.441		187	1480	73	2530	21
LS-A81	LA81201203I	12/3/2020	14700	288	2.22		1270 S	6660 S	118 HJ	8440	64 HJ
LS-LEPS	LEPS201012E	10/12/2020							82.5		
LS-LEPS	LEPS201016E	10/16/2020							84		
LS-LEPS	LEPS201007P	10/7/2020									
LS-LEPS	LEPS201013E	10/13/2020							74		
LS-LEPS	LEPS201013M	10/13/2020	10900	6.11	3.86	6.9 ST	853	908 S	168	2400	132
LS-LEPS	LEPS201014E	10/14/2020							50		
LS-LEPS	LEPS201015E	10/15/2020							66		
LS-LEPS	LEPS201103M	11/3/2020	6330	24.8	0.229	2 SU	508	593	345	2000	316
LS-LEPS	LEPS201201M	12/1/2020	4080	38.9	0.13 T	3.1 T	330	289	88	1440	76
LS-LEPS	LEPS201217P	12/17/2020									
LS-LEPS	LEPS201222P	12/22/2020									
LS-MH46N	L46N201007M	10/7/2020	12400	2.4 T	0.687 S	3.4 T	726	533	2.2	5340	1.76
LS-MH46N	L46N201104M	11/4/2020	12200	4.23	0.599	2.7 T	726	615 S	1.3	1540	0.8 T
LS-MH46N	L46N201202M	12/2/2020	11400	1 U	0.817	3.9 T	722	659 S	0.5 U	1350	0.5 U
LS-PS1A	LP1A201008I	10/8/2020	7530	24	0.273		511	297	5.47	845	4.8
LS-PS1A	LP1A201105I	11/5/2020	1140	15.4	0.01 U		63.7	49.2	14.4	765	10.4
LS-PS1A	LP1A201203I	12/3/2020	2060	17.9	0.258		135	90.8	11.7	479	8.67

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	Aluminum, total (mg/L)	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)
LS-A567	L567201008I	10/8/2020	0.541	0.0188	0.354	0.435	0.001 U	0.000501 U	48.7	0.252
LS-A567	L567201105I	11/5/2020	0.503	0.0194	0.296	0.4	0.00101 U	0.000503 U	51.4	0.214
LS-A567	L567201203I	12/3/2020	0.477	0.0177	0.298	0.373	0.00099 U	0.000495 U	52.1	0.191
LS-A81	LA81201008I	10/8/2020	1.06	0.0404	0.0849	0.607	0.00102 U	0.00051 U	2870	0.26
LS-A81	LA81201105I	11/5/2020	1.28	0.0049	0.0107	0.13	0.000989 U	0.000495 U	314	0.0332
LS-A81	LA81201203I	12/3/2020	3.05	0.0183	0.04	0.389	0.000993 U	0.000497 U	1340	0.152
LS-LEPS	LEPS201012E	10/12/2020			0.191					0.14
LS-LEPS	LEPS201016E	10/16/2020			0.18					0.137
LS-LEPS	LEPS201103P	11/3/2020	0.627	0.0117	0.105 D	0.0774	0.001 U	0.000502 U	85.2	0.0813
LS-LEPS	LEPS201230P	12/29/2020	1.49	0.00581	0.0441	0.0749	0.00101 U	0.000504 U	84	0.0375
LS-LEPS	LEPS201007P	10/7/2020	0.939	0.024	0.225	0.0484	0.00105 U	0.000524 U	58.5	0.165
LS-LEPS	LEPS201013E	10/13/2020			0.168					0.124
LS-LEPS	LEPS201013M	10/13/2020	0.827	0.0214	0.211	0.0584	0.00101 U	0.000505 U	67	0.153
LS-LEPS	LEPS201013P	10/13/2020	0.799	0.0218	0.204	0.0558	0.00103 U	0.000515 U	66.4	0.151
LS-LEPS	LEPS201014E	10/14/2020			0.173					0.135
LS-LEPS	LEPS201015E	10/15/2020			0.177					0.137
LS-LEPS	LEPS201020P	10/20/2020	1.02	0.017	0.171	0.0941	0.000999 U	0.000499 U	105	0.121
LS-LEPS	LEPS201027P	10/27/2020	0.87	0.0118	0.106	0.0846	0.00101 U	0.000503 U	94.1	0.0831
LS-LEPS	LEPS201110P	11/10/2020	1.2	0.011	0.0954	0.082	0.00102 U	0.000509 U	92.7	0.0776
LS-LEPS	LEPS201118P	11/18/2020	0.956	0.00858	0.0712	0.0812	0.001 U	0.000502 U	93.8	0.0579
LS-LEPS	LEPS201124P	11/24/2020	0.793	0.00727	0.0565	0.0753	0.000983 U	0.000492 U	87.9	0.0442
LS-LEPS	LEPS201201P	12/1/2020	0.618	0.00698	0.0562	0.0713	0.00101 U	0.000503 U	90.6	0.0451
LS-LEPS	LEPS201208P	12/9/2020	0.744	0.00746	0.0618	0.0791	0.000978 U	0.000489 U	95.6	0.0462
LS-LEPS	LEPS201217P	12/17/2020	2.37	0.00833	0.0624	0.089	0.001 U	0.000502 U	94.3	0.0473
LS-LEPS	LEPS201222P	12/22/2020	1.75	0.00668	0.0488	0.0852	0.000989 U	0.000494 U	89.6	0.0396
LS-MH46N	L46N201007M	10/7/2020	0.0508 U	0.00305 U	0.107	0.521	0.00102 U	0.000508 U	90.1	0.119
LS-MH46N	L46N201104M	11/4/2020	0.0512 U	0.00307 U	0.104	0.532	0.00102 U	0.000512 U	89.4	0.108
LS-MH46N	L46N201202M	12/2/2020	0.0501 U	0.00301 U	0.0993	0.463	0.001 U	0.000501 U	87.6	0.107
LS-PS1A	LP1A201008I	10/8/2020	0.112	0.023	0.15	0.212	0.00101 U	0.000504 U	51.6	0.038
LS-PS1A	LP1A201105I	11/5/2020	0.153	0.00322	0.0187	0.0368	0.000998 U	0.000499 U	17.1	0.00662
LS-PS1A	LP1A201203I	12/3/2020	0.108	0.00491	0.0311	0.0669	0.000992 U	0.000496 U	28.2	0.0106
LS-PS2A	LP2A201007M	10/7/2020	0.0413	0.000772	0.00111	0.0187	0.0001 U	0.000218	21.5	0.00118
LS-PS2A	LP2A201104M	11/4/2020	0.207	0.00298 U	0.00766	0.00925	0.000994 U	0.000497 U	11.8	0.00388
LS-PS2A	LP2A201203M	12/3/2020	0.0862	0.00296 U	0.00159	0.00579	0.000985 U	0.000493 U	11	0.00216
LS-PS4	LP4-201008I	10/8/2020	1.98	0.0171	0.154	0.0521	0.000994 U	0.000497 U	36.8	0.0145
LS-PS4	LP4-201105I	11/5/2020	2.39	0.00338	0.0232	0.0352	0.000972 U	0.000486 U	24.3	0.0065
LS-PS4	LP4-201203I	12/3/2020	0.233	0.00295 U	0.0157	0.0298	0.000982 U	0.000491 U	35.2	0.00401
LS-V1A	LV1A201007M	10/7/2020	2.98	0.0338	0.318	0.28	0.00101 U	0.000507 U	262	0.235
LS-V1A	LV1A201104M	11/4/2020	4.42	0.0142	0.113	0.163	0.00101 U	0.000505 U	186	0.0857
LS-V1A	LV1A201202M	12/1/2020	4.26	0.0122	0.089	0.132	0.001 U	0.0005 U	120	0.0716

alifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)
LS-A567	L567201008I	10/8/2020	0.0749	0.0264	2.99	0.00104	99.1	0.25	0.0001 U	0.286
LS-A567	L567201105I	11/5/2020	0.0583	0.0553	3.11	0.00248	90.2	0.276	0.0001 U	0.242
LS-A567	L567201203I	12/3/2020	0.0576	0.0919	3.32	0.00263	86.4	0.273	0.0001 U	0.215
LS-A81	LA81201008I	10/8/2020	0.25	0.0208	335	0.00598	418	45.2	0.000132	0.807
LS-A81	LA81201105I	11/5/2020	0.0311	0.00846	40.7	0.00162	42	6.21	0.0001 U	0.0746
LS-A81	LA81201203I	12/3/2020	0.0678	0.018	96.5	0.00496	210	17.4	0.0001 U	0.278
LS-LEPS	LEPS201012E	10/12/2020								
LS-LEPS	LEPS201016E	10/16/2020								
LS-LEPS	LEPS201103P	11/3/2020	0.0202	0.00906	6.98	0.00184	42	0.617	0.0001 U	0.082
LS-LEPS	LEPS201230P	12/29/2020	0.0111	0.00992	8.53	0.0019	25.3	1.11	0.0001 U	0.041
LS-LEPS	LEPS201007P	10/7/2020	0.0389	0.00846	9.73	0.00244	72.8	0.333	0.0001 U	0.164
LS-LEPS	LEPS201013E	10/13/2020								
LS-LEPS	LEPS201013M	10/13/2020	0.0393	0.00854	9.69	0.00226	65.2	0.48	0.0001 U	0.155
LS-LEPS	LEPS201013P	10/13/2020	0.0371	0.00865	9.23	0.00206	65.1	0.466	0.0001 U	0.146
LS-LEPS	LEPS201014E	10/14/2020								
LS-LEPS	LEPS201015E	10/15/2020								
LS-LEPS	LEPS201020P	10/20/2020	0.0305	0.00822	10.2	0.00192	57.9	1.23	0.0001 U	0.113
LS-LEPS	LEPS201027P	10/27/2020	0.0211	0.01	7.78	0.00189	42.9	0.949	0.0001 U	0.0865
LS-LEPS	LEPS201110P	11/10/2020	0.0196	0.0116	8.32	0.00176	39.6	0.922	0.0001 U	0.0802
LS-LEPS	LEPS201118P	11/18/2020	0.0152	0.00823	8.25	0.00153	33.4	1.08	0.0001 U	0.0588
LS-LEPS	LEPS201124P	11/24/2020	0.0129	0.00822	7.19	0.00139	28.7	1.08	0.0001 U	0.0495
LS-LEPS	LEPS201201P	12/1/2020	0.0122	0.00747	6.99	0.00115	28	1.08	0.0001 U	0.0481
LS-LEPS	LEPS201208P	12/9/2020	0.0125	0.00699	7.54	0.000998	30.6	1.09	0.0001 U	0.0491
LS-LEPS	LEPS201217P	12/17/2020	0.014	0.012	11.5	0.00247	33.7	0.946	0.0001 U	0.0524
LS-LEPS	LEPS201222P	12/22/2020	0.0129	0.013	10.2	0.00285	27.1	1.13	0.0001 U	0.0466
LS-MH46N	L46N201007M	10/7/2020	0.0399	0.00203 U	2.41	0.00102 U	54.1	0.489	0.0001 U	0.158
LS-MH46N	L46N201104M	11/4/2020	0.0369	0.00205 U	2.32	0.00102 U	54.1	0.442	0.0001 U	0.151
LS-MH46N	L46N201202M	12/2/2020	0.0347	0.002 U	2.42	0.001 U	50.5	0.444	0.0001 U	0.139
LS-PS1A	LP1A201008I	10/8/2020	0.019	0.00896	1.2	0.00101 U	33.8	0.455	0.0001 U	0.0711
LS-PS1A	LP1A201105I	11/5/2020	0.00327	0.0139	3.56	0.000998 U	8.55	0.228	0.000187	0.0139
LS-PS1A	LP1A201203I	12/3/2020	0.00522	0.00815	2.36	0.000992 U	11.8	0.234	0.0001 U	0.0192
LS-PS2A	LP2A201007M	10/7/2020	0.00277	0.0127	0.399	0.0001 U	7.5	0.712	0.0001 U	0.0219
LS-PS2A	LP2A201104M	11/4/2020	0.00226	0.0298	10.9	0.000994 U	4.83	0.309	0.0001 U	0.0108
LS-PS2A	LP2A201203M	12/3/2020	0.00087	0.0215	1.45	0.000985 U	3.96	0.245	0.0001 U	0.0106
LS-PS4	LP4-201008I	10/8/2020	0.00428	0.00864	4.96	0.000994 U	18.4	0.691	0.0001 U	0.0153
LS-PS4	LP4-201105I	11/5/2020	0.00216	0.0145	3.66	0.00255	8.89	0.274	0.0001 U	0.00797
LS-PS4	LP4-201203I	12/3/2020	0.00178	0.00509	1.92	0.000982 U	12.6	0.542	0.0001 U	0.00725
LS-V1A	LV1A201007M	10/7/2020	0.0559	0.0127	30.3	0.00405	100	3.5	0.0001 U	0.207
LS-V1A	LV1A201104M	11/4/2020	0.0268	0.0196	22.9	0.00474	52	3.1	0.0001 U	0.0989
LS-V1A	LV1A201202M	12/1/2020	0.019	0.0167	12.7	0.00266	42.4	1.54	0.0001 U	0.071

alifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

Site	Date	Sample ID	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
LS-A567	L567201008I	10/8/2020	847	0.00501 U	0.000401 U	2760 D	0.001 U	0.0448	0.173	0.0725
LS-A567	L567201105I	11/5/2020	738	0.00503 U	0.000403 U	2440	0.00101 DU	0.0376	0.149	0.107
LS-A567	L567201203I	12/3/2020	701	0.00495 U	0.000396 U	2210	0.00099 U	0.0362	0.132	0.122
LS-A81	LA81201008I	10/8/2020	988	0.0162	0.000408 U	2380	0.00102 U	0.0321	0.0672	6.02
LS-A81	LA81201105I	11/5/2020	85.9	0.00495 U	0.000396 U	211	0.000989 DU	0.00495 U	0.0122	0.31
LS-A81	LA81201203I	12/3/2020	495	0.00954	0.000397 U	1120	0.000993 U	0.0127	0.0382	1.08
LS-LEPS	LEPS201012E	10/12/2020								
LS-LEPS	LEPS201016E	10/16/2020								
LS-LEPS	LEPS201103P	11/3/2020	211	0.00502 U	0.000402 U	605	0.001 U	0.00772	0.0273 D	0.118
LS-LEPS	LEPS201230P	12/29/2020	94.9	0.00504 U	0.000403 U	267	0.00101 U	0.00504 U	0.0133	0.0997
LS-LEPS	LEPS201007P	10/7/2020	440	0.00524 U	0.000419 U	1280	0.00105 U	0.018	0.0516	0.248
LS-LEPS	LEPS201013E	10/13/2020								
LS-LEPS	LEPS201013M	10/13/2020	401	0.00505 U	0.000404 U	1150	0.00101 U	0.0128 J	0.0479	0.245
LS-LEPS	LEPS201013P	10/13/2020	398	0.00515 U	0.000412 U	1130	0.00103 U	0.0131	0.0468	0.23
LS-LEPS	LEPS201014E	10/14/2020								
LS-LEPS	LEPS201015E	10/15/2020								
LS-LEPS	LEPS201020P	10/20/2020	330	0.00499 U	0.000399 U	955	0.000999 U	0.0118	0.0425	0.211
LS-LEPS	LEPS201027P	10/27/2020	214	0.00503 U	0.000402 U	622	0.00101 U	0.00738	0.03 D	0.131
LS-LEPS	LEPS201110P	11/10/2020	192	0.00509 U	0.000407 U	576	0.00102 U	0.00841	0.0255	0.155
LS-LEPS	LEPS201118P	11/18/2020	153	0.00502 U	0.000402 U	439	0.001 U	0.00675	0.0196	0.0917
LS-LEPS	LEPS201124P	11/24/2020	119	0.00492 U	0.000393 U	337	0.000983 U	0.00492 U	0.0152	0.0735
LS-LEPS	LEPS201201P	12/1/2020	118	0.00503 U	0.000402 U	324	0.00101 U	0.00503 U	0.0142	0.0724
LS-LEPS	LEPS201208P	12/9/2020	129	0.00489 U	0.000391 U	361	0.000978 U	0.00648	0.0158	0.0825
LS-LEPS	LEPS201217P	12/17/2020	130	0.00502 U	0.000401 U	371	0.001 U	0.00626	0.018	0.142 D
LS-LEPS	LEPS201222P	12/22/2020	103	0.00494 U	0.000396 U	288	0.000989 U	0.00494 U	0.0145	0.124
LS-MH46N	L46N201007M	10/7/2020	384	0.00508 U	0.000406 U	1370	0.00102 U	0.00508 U	0.157	0.00508 U
LS-MH46N	L46N201104M	11/4/2020	384	0.00512 U	0.000409 U	1390	0.00102 DU	0.00512 U	0.151	0.0052
LS-MH46N	L46N201202M	12/2/2020	370	0.00501 U	0.000401 U	1310	0.001 U	0.00501 U	0.147	0.00503
LS-PS1A	LP1A201008I	10/8/2020	182	0.00504 U	0.000403 U	681	0.00101 U	0.00504 U	0.0441	0.0483
LS-PS1A	LP1A201105I	11/5/2020	27	0.00499 U	0.000399 U	101	0.000998 DU	0.00499 U	0.00829	0.0362
LS-PS1A	LP1A201203I	12/3/2020	51	0.00496 U	0.000397 U	182	0.000992 U	0.00496 U	0.0131	0.0311
LS-PS2A	LP2A201007M	10/7/2020	3.96	0.0005 U	4E-05 U	7.39	0.0001 U	0.0005 U	0.00145	0.17
LS-PS2A	LP2A201104M	11/4/2020	2.06	0.00497 U	0.000398 U	3.43	0.000994 DU	0.00497 U	0.0186	0.0483
LS-PS2A	LP2A201203M	12/3/2020	1.5	0.00493 U	0.000394 U	2.61	0.000985 U	0.00493 U	0.00319	0.0253
LS-PS4	LP4-201008I	10/8/2020	33.3	0.00497 U	0.000398 U	113	0.000994 U	0.00497 U	0.00835	0.0487
LS-PS4	LP4-201105I	11/5/2020	13.5	0.00486 U	0.000389 U	37.7	0.000972 DU	0.00486 U	0.00596	0.0612
LS-PS4	LP4-201203I	12/3/2020	16.8	0.00491 U	0.000393 U	52.5	0.000982 U	0.00491 U	0.00259	0.0132
LS-V1A	LV1A201007M	10/7/2020	588	0.00507 U	0.000405 U	1610	0.00101 U	0.0259	0.0671	0.541
LS-V1A	LV1A201104M	11/4/2020	228	0.00505 U	0.000404 U	659	0.00102 DU	0.0107	0.0316	0.282
LS-V1A	LV1A201202M	12/1/2020	185	0.005 U	0.0004 U	531	0.001 U	0.00877	0.0283	0.143

alifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	LEPS201103M	11/3/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	LEPS201201M	12/1/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	L46N201007M	10/7/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	L46N201104M	11/4/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	L46N201202M	12/2/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	LP2A201007M	10/7/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	LP2A201104M	11/4/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-PS2A	LP2A201203M	12/3/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	LV1A201007M	10/7/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	LV1A201104M	11/4/2020	2.5 U	1 U	1 U	1 U	1.32 JT	1 U	1 U	1 U
LS-V1A	LV1A201202M	12/1/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2450 D
LS-LEPS	LEPS201103M	11/3/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2400 D
LS-LEPS	LEPS201201M	12/1/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1680 D
LS-MH46N	L46N201007M	10/7/2020	25 U	1 U	2.14	1 U	1 U	1 U	1 U	8.06	1 U	2.5 U
LS-MH46N	L46N201104M	11/4/2020	25 U	1 U	2.13	1 U	1 U	1 U	1 U	8.91	1 U	2.76 JT
LS-MH46N	L46N201202M	12/2/2020	25 U	1 U	2.58	1 U	1 U	1 U	1 U	10.6	1 U	2.5 U
LS-PS2A	LP2A201007M	10/7/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	LP2A201104M	11/4/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	LP2A201203M	12/3/2020	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-V1A	LV1A201007M	10/7/2020	25 U	1 U	1 U	5.07	1 U	1 U	1 U	1.57 JT	1 U	12600 D
LS-V1A	LV1A201104M	11/4/2020	25 U	1 U	1 U	14.8	1 U	1 U	1 U	1.17 JT	1 U	8000 D
LS-V1A	LV1A201202M	12/1/2020	25 U	1 U	1 U	2.91	1 U	1 U	1 U	1 U	1 U	3550 D
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	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

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	5.72 JT	50 DU	1 U	25 U	3420 D	50 U	25 U	0.35 U	1 U
LS-LEPS	LEPS201103M	11/3/2020	5 U	55.9 JT	1 U	25 U	2910 D	50 U	25 U	0.35 U	1 U
LS-LEPS	LEPS201201M	12/1/2020	6.63 JT	50 U	1 U	25 U	1420 D	50 U	25 U	0.35 U	1 U
LS-MH46N	L46N201007M	10/7/2020	5 U	50 DU	1 U	25 U	25 U	50 U	25 U	0.35 U	3.19
LS-MH46N	L46N201104M	11/4/2020	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.52
LS-MH46N	L46N201202M	12/2/2020	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	4.54
LS-PS2A	LP2A201007M	10/7/2020	5 U	50 DU	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	LP2A201104M	11/4/2020	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	LP2A201203M	12/3/2020	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-V1A	LV1A201007M	10/7/2020	18.8	171 D	1 U	92.5	12500 D	50 U	25 U	0.35 U	1 U
LS-V1A	LV1A201104M	11/4/2020	5 U	418	1 U	52	6750 D	50 U	25 U	0.35 U	2.26
LS-V1A	LV1A201202M	12/1/2020	7.57 JT	162	1 U	29.8 JT	3330 D	50 U	25 U	0.35 U	1 U
VOA TRIP BLANK	VTRP201007Y	10/6/2020	0.5 U	5 DU	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	VTRP201013Y2	10/13/2020	0.5 U	5 DU	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	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

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	1 U	2.5 U	5 U	1 U	1.56 JT	2.5 U	1 U	5 U	1 U
LS-LEPS	LEPS201103M	11/3/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	LEPS201201M	12/1/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-MH46N	L46N201007M	10/7/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1.93 JT	5 U	1 U
LS-MH46N	L46N201104M	11/4/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.05	5 U	1 U
LS-MH46N	L46N201202M	12/2/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.48	5 U	1 U
LS-PS2A	LP2A201007M	10/7/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	LP2A201104M	11/4/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	LP2A201203M	12/3/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	LV1A201007M	10/7/2020	1 U	2.5 U	5 U	1 U	1.13 JT	2.5 U	1 U	5 U	1 U
LS-V1A	LV1A201104M	11/4/2020	1 U	2.5 U	5 U	1 U	1.27 JT	2.5 U	1 U	5 U	1 U
LS-V1A	LV1A201202M	12/1/2020	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	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

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	LEPS201103M	11/3/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	LEPS201201M	12/1/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-MH46N	L46N201007M	10/7/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	34.3	31.5
LS-MH46N	L46N201104M	11/4/2020	1 U	2.5 U	1 U	1.3 JT	2.5 U	1 U	1 U	38.1	39.1
LS-MH46N	L46N201202M	12/2/2020	1 U	2.5 U	1 U	1.2 JT	2.5 U	1 U	1 U	45.1	50.4
LS-PS2A	LP2A201007M	10/7/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	LP2A201104M	11/4/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	LP2A201203M	12/3/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-V1A	LV1A201007M	10/7/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	2.54	5.53
LS-V1A	LV1A201104M	11/4/2020	1 U	2.5 U	1 U	2.23	2.5 U	1 U	1 U	5.18	12.7
LS-V1A	LV1A201202M	12/1/2020	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.36 JT	3.19
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	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

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	LEPS201103M	11/3/2020	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	LEPS201201M	12/1/2020	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-MH46N	L46N201007M	10/7/2020	2 U	2.5 U	1 U	25 U	2.74	5 U	1.58 JT	1 U
LS-MH46N	L46N201104M	11/4/2020	1 U	2.5 U	1 U	25 U	2.92	5 U	1.24 JT	1 U
LS-MH46N	L46N201202M	12/2/2020	1 U	2.5 U	1 U	25 U	4.14	5 U	1.44 JT	1 U
LS-PS2A	LP2A201007M	10/7/2020	2 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-PS2A	LP2A201104M	11/4/2020	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-PS2A	LP2A201203M	12/3/2020	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-V1A	LV1A201007M	10/7/2020	2 U	4.15 JT	1 U	25 U	3.16	5 U	1.39 JT	1 U
LS-V1A	LV1A201104M	11/4/2020	1 U	4.49 JT	1 U	49.9 JT	5.82	5 U	2.95	1 U
LS-V1A	LV1A201202M	12/1/2020	1 U	2.5 U	1 U	25 U	1.55 JT	5 U	1 U	1 U
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	0.1 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	VTRP201104Y	11/3/2020	0.1 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	VTRP201201Z	12/1/2020	0.1 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	VTRP201202X	12/1/2020	0.1 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	VTRP201203X	12/3/2020	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate VOAs Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

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	LEPS201013M	10/13/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	LEPS201103M	11/3/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	LEPS201201M	12/1/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-MH46N	L46N201007M	10/7/2020	2.89	1 U	5 U	5 U	1 U	1 U	1 U	2.84 L
LS-MH46N	L46N201104M	11/4/2020	3.56	1 U	5 U	5 U	1 U	1 U	1 U	3.78
LS-MH46N	L46N201202M	12/2/2020	4.74	1 U	5 U	5 U	1 U	1 U	1 U	4.52
LS-PS2A	LP2A201007M	10/7/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	LP2A201104M	11/4/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	LP2A201203M	12/3/2020	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	LV1A201007M	10/7/2020	12.7	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	LV1A201104M	11/4/2020	48.4	1 U	5 U	5 U	1 U	1 U	1 U	0.278
LS-V1A	LV1A201202M	12/1/2020	11.4	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
VOA TRIP BLANK	VTRP201007Y	10/6/2020	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	VTRP201013Y2	10/13/2020	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	VTRP201103Z	11/3/2020	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	VTRP201104Y	11/3/2020	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	VTRP201201Z	12/1/2020	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	VTRP201202X	12/1/2020	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	VTRP201203X	12/3/2020	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate PCB Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

		Chemical_Name	2,4,5-T	2,4,5-TP SILVEX	2,4-D	4,4'DDD	4,4'DDE	4,4'DDT	ALDRIN	ALPHA BHC	ALPHA CHLORDANE	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242
		CAS_RN	93-76-5	93-72-1	94-75-7	72-54-8	72-55-9	50-29-3	309-00-2	319-84-6	5103-71-9	12674-11-2	11104-28-2	11141-16-5	53469-21-9
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	ug/l	ug/l
LS-LEPS	LEPS201013M	10/13/2020	0.5 U	0.5 U	1.46 J	0.1 U	0.1 GU	0.1 GU	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U	0.04 U
LS-LEPS	LEPS201103M	11/3/2020	0.5 U	0.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U	0.0474
LS-LEPS	LEPS201201M	12/1/2020	0.5 U	0.5 U	1 U	0.025 U	0.025 U	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-MH46N	L46N201007M	10/7/2020	0.5 U	1.03	2.08	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.144
LS-MH46N	L46N201104M	11/4/2020	1 U	1.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.025 U	0.1 U	0.025 U	0.177
LS-MH46N	L46N201202M	12/2/2020	0.5 U	1 U	1 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.025 U	0.194
LS-PS2A	LP2A201007M	10/7/2020	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	0.025 U	0.025 U
LS-PS2A	LP2A201104M	11/4/2020	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	0.025 U	0.025 U
LS-PS2A	LP2A201203M	12/3/2020	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	0.025 U	0.025 U
LS-V1A	LV1A201007M	10/7/2020	0.5 U	1.5 U	2.91 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.025 U	0.15 U	0.025 U	0.119
LS-V1A	LV1A201104M	11/4/2020	0.5 U	0.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.025 U	0.1 U	0.025 U	0.0968
LS-V1A	LV1A201202M	12/1/2020	0.5 U	0.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.025 U	0.1 U	0.025 U	0.0785

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate PCB Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

		Chemical_Name	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	BETA BHC	DELTA BHC	DIELDRIN	DINOSEB	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN
		CAS_RN	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	1031-07-8	72-20-8
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	LEPS201013M	10/13/2020	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU	0.1 U	0.5 GU	0.1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	LEPS201103M	11/3/2020	0.025 U	0.05 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	LEPS201201M	12/1/2020	0.07 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-MH46N	L46N201007M	10/7/2020	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU	0.025 U	0.5 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-MH46N	L46N201104M	11/4/2020	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	L46N201202M	12/2/2020	0.025 U	0.025 U	0.025 U	0.05 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-PS2A	LP2A201007M	10/7/2020	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	0.01 U	0.01 U
LS-PS2A	LP2A201104M	11/4/2020	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	0.01 U	0.01 U
LS-PS2A	LP2A201203M	12/3/2020	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	0.01 U	0.01 U
LS-V1A	LV1A201007M	10/7/2020	0.025 U	0.0417	0.025 U	0.1 GU	0.1 GU	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U
LS-V1A	LV1A201104M	11/4/2020	0.025 U	0.0445	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
LS-V1A	LV1A201202M	12/1/2020	0.025 U	0.0375	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

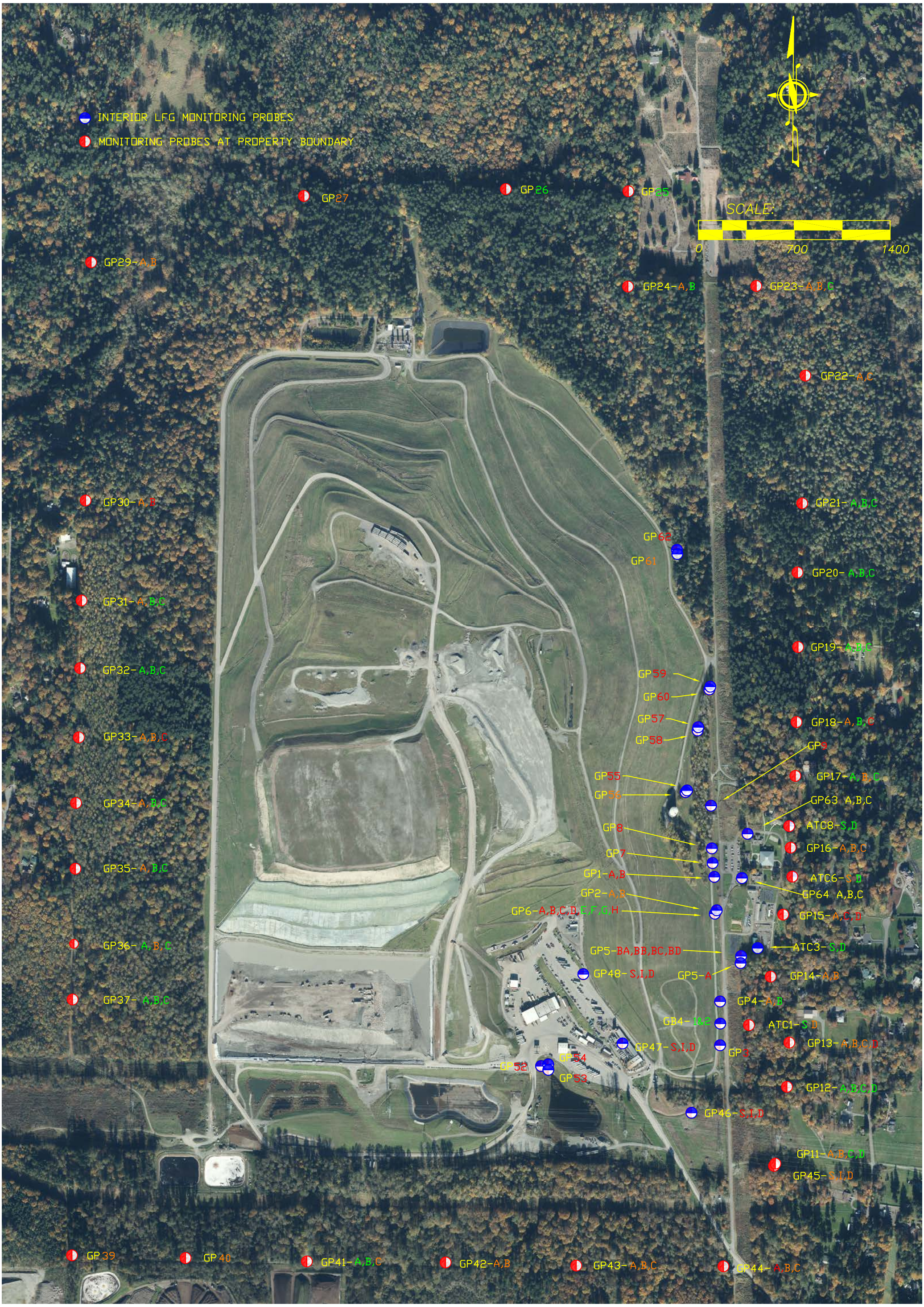
Data Collected from October 01, 2020 to December 31, 2020
Cedar Hills Landfill ---Leachate PCB Analytical Data
Contact Person: Subrina Tahsin (206) 263-6921

		Chemical_Name	ENDRIN ALDEHYDE	HEPTACHLOR	HEPTACHLOR EPOXIDE	ISODRIN	LINDANE (GAMMA BHC)	METHOXYCHLOR	Total Aroclors	TOXAPHENE	trans-Chlordane
		CAS_RN	7421-93-4	76-44-8	1024-57-3	465-73-6	58-89-9	72-43-5	T_AROCLOR	8001-35-2	5103-74-2
Site	Date	Sample ID	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
LS-LEPS	LEPS201013M	10/13/2020	0.1 GU	0.1 GU	0.1 U	0.1 GU	0.1 U	0.5 U	0.04 U	10 U	0.1 GU
LS-LEPS	LEPS201103M	11/3/2020	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.0474	10 U	0.1 GU
LS-LEPS	LEPS201201M	12/1/2020	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.07 U	2.5 U	0.025 U
LS-MH46N	L46N201007M	10/7/2020	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.144	2.5 U	0.025 GU
LS-MH46N	L46N201104M	11/4/2020	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.177	10 U	0.1 GU
LS-MH46N	L46N201202M	12/2/2020	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.194	2.5 U	0.025 U
LS-PS2A	LP2A201007M	10/7/2020	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	LP2A201104M	11/4/2020	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	LP2A201203M	12/3/2020	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	LV1A201007M	10/7/2020	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1607	10 U	0.1 GU
LS-V1A	LV1A201104M	11/4/2020	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1413	10 U	0.139 GJ
LS-V1A	LV1A201202M	12/1/2020	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.116	10 U	0.1 U

See Data Qualifier List for Qualifier Information.

Landfill Gas Monitoring Data

Compliance Probes


INTERIOR LFG MONITORING PROBES
MONITORING PROBES AT PROPERTY BOUNDARY
SCALE:
0
700
1400
GP27
GP26
GP25
GP29-A,B
GP24-A,B
GP23-A,B,C
GP22-A,C
GP30-A,B
GP21-A,B,C
GP62
GP61
GP31-A,B,C
GP20-A,B,C
GP19-A,B,C
GP32-A,B,C
GP59
GP60
GP57
GP58
GP18-A,B,C
GP9
GP33-A,B,C
GP55
GP56
GP17-A,B,C
GP34-A,B,C
GP63 A,B,C
ATC8-S,D
GP8
GP16-A,B,C
GP7
GP35-A,B,C
GP1-A,B
ATC6-S,D
GP2-A,B
GP64 A,B,C
GP6-A,B,C,D,E,F,G,H
GP15-A,C,D
GP36-A,B,C
GP5-BA,BB,BC,BD
ATC3-S,D
GP48-S,I,D
GP5-A
GP14-A,B
GP37-A,B,C
GP4-A,B
GB4-1&2
ATC1-S,D
GP47-S,I,D
GP3
GP13-A,B,C,D
GP54
GP52
GP53
GP12-A,B,C,D
GP46-S,I,D
GP11-A,B,C,D
GP45-S,I,D
GP39
GP40
GP41-A,B,C
GP42-A,B
GP43-A,B,C
GP44-A,B,C

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

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	10/14/2020 10:12	0.0	0.1	20.9	0	-3.4	
ATC-1S	10/14/2020 10:11	0.0	1.8	19.3	0	-0.07	
ATC-6D	10/14/2020 13:58	0.0	0.4	20.0	0	-0.13	
ATC-6S	10/14/2020 13:56	0.0	1.0	19.5	0	0.02	
ATC-8D	10/14/2020 11:42	0.0	1.9	19.1	0	0.02	
ATC-8S	10/14/2020 11:41	0.0	0.3	20.4	0	-1.85	
GP-11A	10/14/2020 9:57	0.0	1.4	20.1	0	0.04	
GP-11B	10/14/2020 9:58	0.0	0.1	21.0	0	-1.57	
GP-11C	10/14/2020 9:59	0.0	0.1	21.0	0	-1.84	
GP-11D	10/14/2020 10:00	0.0	0.2	21.0	0	0.25	
GP-12A	10/14/2020 10:26	0.0	1.2	20.8	0	0.02	
GP-12B	10/14/2020 10:27	0.0	0.1	21.0	0	0	
GP-12C	10/14/2020 10:28	0.0	0.2	20.4	0	-5.68	
GP-12D	10/14/2020 10:30	0.0	0.2	21.0	0	-5.87	
GP-13A	10/14/2020 10:17	0.0	1.7	19.8	0	-0.01	
GP-13B	10/14/2020 10:18	0.0	0.3	20.1	0	-0.03	
GP-13C	10/14/2020 10:20	0.0	0.1	21.0	0	-0.02	
GP-13D	10/14/2020 10:21	0.0	0.1	21.0	0	-5.27	
GP-14A	10/14/2020 10:36	0.0	0.1	21.0	0	-1.52	
GP-14B	10/14/2020 10:39	0.0	0.1	20.9	0	-1.79	
GP-15A	10/14/2020 11:10	0.0	0.2	20.6	0	-0.08	
GP-15C	10/14/2020 11:12	0.0	0.8	16.9	0	-0.06	
GP-15D	10/14/2020 11:13	0.0	0.2	20.4	0	-0.4	
GP-16A	10/14/2020 11:35	0.0	2.1	18.8	0	0.03	
GP-16B	10/14/2020 11:36	0.0	0.1	20.4	0	-6.11	
GP-16C	10/14/2020 11:37	0.0	0.1	20.5	0	-5.61	
GP-17A	10/14/2020 12:09	0.0	0.5	19.3	0	0.01	
GP-17B	10/14/2020 12:11	0.0	0.8	16.8	0	0.19	
GP-17C	10/14/2020 12:12	0.0	0.1	20.5	0	-5.46	
GP-18A	10/14/2020 12:16	0.0	2.8	17.9	0	0.12	
GP-18B	10/14/2020 12:17	0.0	0.5	15.8	0	0.1	
GP-18C	10/14/2020 12:19	0.0	0.2	20.2	0	-5.71	
GP-19A	10/14/2020 12:23	0.0	1.5	17.9	0	0.08	
GP-19B	10/14/2020 12:24	0.0	0.7	16.0	0	0.23	
GP-19C	10/14/2020 12:26	0.0	0.1	20.2	0	-0.42	
GP-20A	10/14/2020 12:29	0.0	0.3	20.3	0	0.06	

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	10/14/2020 12:31	0.0	0.2	20.0	0	-0.08	
GP-20C	10/14/2020 12:32	0.0	0.3	8.5	0	0.36	
GP-21A	10/14/2020 12:36	0.0	0.3	19.7	0	0.07	
GP-21B	10/14/2020 12:37	0.0	0.2	10.7	0	0.03	
GP-21C	10/14/2020 12:40	0.0	0.3	16.2	0	-9.76	
GP-22A	10/14/2020 12:43	0.0	1.0	18.7	0	-11.6	
GP-22C	10/14/2020 12:44	0.0	1.6	1.7	0	-5.28	
GP-23A	10/14/2020 13:44	0.0	0.1	20.4	0	0.05	
GP-23B	10/14/2020 13:45	0.0	0.1	20.4	0	0.09	
GP-23C	10/14/2020 13:47	0.0	0.1	20.4	0	0.06	
GP-24A	10/14/2020 13:07	0.0	4.9	15.1	0	0	
GP-24B	10/14/2020 13:09	0.0	0.2	20.0	0	-1.32	
GP-25	10/14/2020 13:14	0.0	2.8	17.6	0	0.02	
GP-26	10/14/2020 13:17	0.0	0.5	19.7	0	-2.58	
GP-27	10/14/2020 13:21	0.0	9.3	9.8	0	0.02	
GP-29A	10/14/2020 13:27	0.0	1.0	19.2	0	0.03	
GP-29B	10/14/2020 13:28	0.0	0.3	20.3	0	0.1	
GP-30A	10/14/2020 7:26	0.0	0.4	21.0	0	0	
GP-30B	10/14/2020 7:29	0.0	1.1	20.0	0	-1.64	
GP-31A	10/14/2020 7:34	0.0	7.1	13.6	0	0.03	
GP-31B	10/14/2020 7:36	0.0	0.2	20.2	0	-1.53	
GP-31C	10/14/2020 7:37	0.0	1.4	18.6	0	0.02	
GP-32A	10/14/2020 7:41	0.0	0.2	21.0	0	0.01	
GP-32B	10/14/2020 7:42	0.0	0.3	21.0	0	0.17	
GP-32C	10/14/2020 7:43	0.0	0.3	21.0	0	0.25	
GP-33A	10/14/2020 7:48	0.0	2.9	18.3	0	0.04	
GP-33B	10/14/2020 7:49	0.0	0.5	20.9	0	0.1	
GP-33C	10/14/2020 7:51	0.0	0.1	21.0	0	-2.73	
GP-34A	10/14/2020 7:57	0.0	10.1	9.1	0	-0.03	
GP-34B	10/14/2020 7:59	0.0	0.2	21.0	0	-0.85	
GP-34C	10/14/2020 8:00	0.0	0.2	21.0	0	-4.73	
GP-35A	10/14/2020 8:05	0.0	5.6	16.4	0	0.05	
GP-35B	10/14/2020 8:06	0.0	0.2	20.7	0	0.03	
GP-35C	10/14/2020 8:07	0.0	0.2	20.9	0	-0.14	
GP-36A	10/14/2020 8:12	0.0	1.3	19.7	0	-5.14	
GP-36B	10/14/2020 8:13	0.0	3.5	17.8	0	0.1	

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-36C	10/14/2020 8:14	0.0	0.2	20.8	0	-1.39	
GP-37A	10/14/2020 8:20	0.0	2.2	17.8	0	0.03	
GP-37B	10/14/2020 8:23	0.0	0.2	20.7	0	0.12	
GP-37C	10/14/2020 8:25	0.0	0.6	7.7	0	-4.7	
GP-39	10/14/2020 8:34	0.0	1.0	19.0	0	-0.09	
GP-40	10/14/2020 8:38	0.0	0.1	20.6	0	0.03	
GP-41A	10/14/2020 8:46	0.0	7.2	12.0	0	0.02	
GP-41B	10/14/2020 8:48	0.0	0.8	5.3	0	0.04	
GP-41C	10/14/2020 8:49	0.0	0.2	20.5	0	-0.15	
GP-42A	10/14/2020 8:53	0.0	4.5	12.1	0	0.06	
GP-42B	10/14/2020 8:54	0.0	0.2	20.6	0	-2.12	
GP-43A	10/14/2020 8:59	0.0	0.2	20.8	0	0.03	
GP-43B	10/14/2020 9:00	0.0	0.1	20.9	0	-0.06	
GP-43C	10/14/2020 9:01	0.0	0.1	20.9	0	-0.12	
GP-44A	10/14/2020 9:07	0.0	0.5	20.3	0	0.07	
GP-44B	10/14/2020 9:09	0.0	0.8	12.8	0	-0.28	
GP-44C	10/14/2020 9:10	0.0	0.1	20.6	0	0.06	
GP-45D	10/14/2020 9:54	0.0	0.1	21.0	0	-1.93	
GP-45I	10/14/2020 9:52	0.0	0.1	21.0	0	-0.15	
GP-45S	10/14/2020 9:51	0.0	0.2	20.6	0	0.04	

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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	11/16/2020 14:00	0	0.2	21	0	0.79	None
ATC-1S	11/16/2020 13:59	0	0.7	20.9	0	1.51	None
ATC-6D	11/16/2020 14:42	0	1	14.7	0	0.76	None
ATC-6S	11/16/2020 14:41	0	1.4	21	0	-0.01	None
ATC-8D	11/16/2020 14:32	0	2.8	19.4	0	-0.06	None
ATC-8S	11/16/2020 14:31	0	0.5	18.1	0	2.61	None
GP-11A	11/16/2020 11:49	0	1.3	21	0	0.01	None
GP-11B	11/16/2020 11:50	0	0.2	21	0	0.65	None
GP-11C	11/16/2020 11:52	0	0.2	21	0	1.22	None
GP-11D	11/16/2020 11:53	0	0.2	21	0	0.17	None
GP-12A	11/16/2020 12:03	0	1.8	21	0	0.01	None
GP-12B	11/16/2020 12:05	0	0.2	21	0	1.08	None
GP-12C	11/16/2020 12:06	0	0.2	21	0	-1.27	None
GP-12D	11/16/2020 12:08	0	0.7	11.8	0	0.46	None
GP-13A	11/16/2020 12:11	0	0.2	21	0	-0.02	None
GP-13B	11/16/2020 12:12	0	0.2	21	0	0.08	None
GP-13C	11/16/2020 12:14	0	0.2	21	0	0.06	None
GP-13D	11/16/2020 12:15	0	0.2	21	0	0.66	None
GP-14A	11/16/2020 12:19	0	0.2	21	0	0.1	None
GP-14B	11/16/2020 12:20	0	0.2	21	0	0.06	None
GP-15A	11/16/2020 14:23	0	0.4	21	0	-0.01	None
GP-15C	11/16/2020 14:24	0	0.8	19.2	0	0.01	None
GP-15D	11/16/2020 14:25	0	0.3	21	0	-3.71	None
GP-16A	11/16/2020 14:35	0	0.5	21	0	-0.01	None
GP-16B	11/16/2020 14:36	0	0.6	20.7	0	6.77	None
GP-16C	11/16/2020 14:38	0	0.4	21	0	2.13	None
GP-17A	11/16/2020 15:02	0	0	0	0	0	NRW pumped water at 5 seconds.
GP-17B	11/16/2020 15:03	0	0.9	17.7	0	0.01	None
GP-17C	11/16/2020 15:05	0	0.2	21	0	1.67	None
GP-18A	11/16/2020 15:17	0	2.8	19	0	-0.01	None
GP-18B	11/16/2020 15:19	0	0.4	19	0	0.01	None
GP-18C	11/16/2020 15:20	0	0.3	18	0	1.79	None
GP-19A	11/16/2020 15:25	0	0.2	21	0	0.01	None
GP-19B	11/16/2020 15:27	0	0.8	17.9	0	-0.04	None
GP-19C	11/16/2020 15:28	0	0.2	21	0	0.05	None
GP-20A	11/16/2020 15:32	0	0.7	21	0	0.07	None
GP-20B	11/16/2020 15:33	0	0.4	17.2	0	0.08	None
GP-20C	11/16/2020 15:34	0	0.3	11.7	0	0.04	None
GP-21A	11/16/2020 15:38	0	0.2	20.8	0	-0.01	None
GP-21B	11/16/2020 15:40	0	0.3	11.5	0	-0.02	None
GP-21C	11/16/2020 15:41	0	0.2	20.2	0	0.02	None
GP-22A	11/16/2020 15:45	0	1.2	18.8	0	10.16	None
GP-22C	11/16/2020 15:47	0	1.8	2.9	0	2.66	None
GP-23A	11/16/2020 15:53	0	0.2	21	0	0.05	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-23B	11/16/2020 15:54	0	0.2	21	0	0.02	None
GP-23C	11/16/2020 15:56	0	0.2	21	0	0.08	None
GP-24A	11/16/2020 15:59	0	5.4	16	0	0.06	None
GP-24B	11/16/2020 16:01	0	1.1	20.2	0	2.05	None
GP-25	11/16/2020 16:06	0	3.5	15.4	0	0.07	None
GP-26	11/16/2020 16:09	0	0.6	20.3	0	0.16	None
GP-27	11/16/2020 16:17	0	0.7	20.8	0	0.02	None
GP-29A	11/16/2020 16:23	0	5.1	15.8	0	0.05	None
GP-29B	11/16/2020 16:24	0	0.5	21	0	0.1	None
GP-30A	11/16/2020 8:40	0	2.2	19.5	0	0.08	None
GP-30B	11/16/2020 8:41	0	0.6	20.7	0	-0.06	None
GP-31A	11/16/2020 8:46	0	7	13.6	0	0.01	None
GP-31B	11/16/2020 8:48	0	0.3	19.4	0	0.09	None
GP-31C	11/16/2020 8:49	0	1.4	18.9	0	-0.13	None
GP-32A	11/16/2020 8:56	0	0.5	21	0	0.12	None
GP-32B	11/16/2020 8:58	0	0.3	21	0	0.01	None
GP-32C	11/16/2020 8:59	0	0.2	21	0	0.02	None
GP-33A	11/16/2020 9:05	0	2.8	18.5	0	0.05	None
GP-33B	11/16/2020 9:06	0	0.6	20.8	0	0.04	None
GP-33C	11/16/2020 9:08	0	0.2	21	0	-0.02	None
GP-34A	11/16/2020 9:13	0	7.8	13.9	0	-0.01	None
GP-34B	11/16/2020 9:15	0	0.2	21	0	0.14	None
GP-34C	11/16/2020 9:16	0	0.2	21	0	-0.8	None
GP-35A	11/16/2020 9:21	0	1.1	20.6	0	1.21	None
GP-35B	11/16/2020 9:23	0	0.4	16.4	0	1.43	None
GP-35C	11/16/2020 9:25	0	0.3	21	0	-0.02	None
GP-36A	11/16/2020 9:29	0	0.8	21	0	-0.12	None
GP-36B	11/16/2020 9:31	0	3.5	17.8	0	-0.01	None
GP-36C	11/16/2020 9:32	0	0.2	21	0	-0.04	None
GP-37A	11/16/2020 9:36	0	2.1	18	0	0.03	None
GP-37B	11/16/2020 9:38	0	0.2	21	0	0.01	None
GP-37C	11/16/2020 9:39	0	0.4	19	0	-0.7	None
GP-39	11/16/2020 10:07	0	1	20	0	0	None
GP-40	11/16/2020 10:15	0	0.2	21	0	0.03	None
GP-41A	11/16/2020 10:24	0	0.2	21	0	0.05	None
GP-41B	11/16/2020 10:25	0	0.8	5.9	0	0.05	None
GP-41C	11/16/2020 10:26	0	0.2	21	0	0.03	None
GP-42A	11/16/2020 10:31	0	0.2	21	0	0.01	None
GP-42B	11/16/2020 10:32	0	0.7	20.2	0	0.48	None
GP-43A	11/16/2020 10:41	0	0.2	21	0	0.04	None
GP-43B	11/16/2020 10:43	0	0.2	21	0	-0.02	None
GP-43C	11/16/2020 10:44	0	0.2	21	0	-0.02	None
GP-44A	11/16/2020 10:49	0	0.2	21	0	0.04	None
GP-44B	11/16/2020 10:50	0	0.2	21	0	1.02	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-44C	11/16/2020 10:52	0	0.2	21	0	0.03	None
GP-45D	11/16/2020 11:47	0	0.2	21	0	1.17	None
GP-45I	11/16/2020 11:45	0	0.2	21	0	0.13	None
GP-45S	11/16/2020 11:44	0	0.2	21	0	0.3	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-1D	12/10/2020 9:47	0.0	0.2	19.8	0.0	0.17	None
ATC-1S	12/10/2020 9:46	0.0	0.2	20.3	0.0	-0.17	None
ATC-6D	12/10/2020 10:52	0.0	1.0	9.1	0.0	0.92	None
ATC-6S	12/10/2020 10:50	0.0	0.3	20.7	0.0	-0.08	None
ATC-8D	12/10/2020 10:43	0.0	1.2	16.3	0.0	-0.16	None
ATC-8S	12/10/2020 10:42	0.0	0.5	15.1	0.0	2.06	None
GP-11A	12/10/2020 9:36	0.0	1.0	19.0	0.0	0.04	None
GP-11B	12/10/2020 9:37	0.0	0.2	19.9	0.0	1.03	None
GP-11C	12/10/2020 9:38	0.0	0.2	17.5	0.0	1.17	None
GP-11D	12/10/2020 9:39	0.0	0.2	19.9	0.0	0.04	None
GP-12A	12/10/2020 9:59	0.0	0.2	20.7	0.0	-0.03	None
GP-12B	12/10/2020 10:00	0.0	0.2	20.7	0.0	-0.01	None
GP-12C	12/10/2020 10:01	0.0	0.3	17.8	0.0	3.02	None
GP-12D	12/10/2020 10:02	0.0	0.4	18.6	0.0	0.35	None
GP-13A	12/10/2020 9:52	0.0	0.2	20.4	0.0	-0.02	None
GP-13B	12/10/2020 9:53	0.0	0.2	20.5	0.0	-0.01	None
GP-13C	12/10/2020 9:54	0.0	0.2	19.0	0.0	-0.02	None
GP-13D	12/10/2020 9:55	0.0	0.2	20.2	0.0	2.3	None
GP-14A	12/10/2020 10:08	0.0	0.2	20.5	0.0	0.47	None
GP-14B	12/10/2020 10:09	0.0	0.2	20.7	0.0	0.38	None
GP-15A	12/10/2020 10:32	0.0	0.2	20.9	0.0	-0.12	None
GP-15C	12/10/2020 10:33	0.0	0.6	19.1	0.0	-0.1	None
GP-15D	12/10/2020 10:34	0.0	0.3	20.7	0.0	2.47	None
GP-16A	12/10/2020 10:46	0.0	0.3	20.7	0.0	-0.1	None
GP-16B	12/10/2020 10:47	0.0	0.4	19.2	0.0	2.07	None
GP-16C	12/10/2020 10:48	0.0	0.3	20.5	0.0	2.49	None
GP-17A	12/10/2020 13:05	0.0	0.2	20.1	0.0	0.02	None
GP-17B	12/10/2020 13:06	0.0	0.5	18.3	0.0	0.02	None
GP-17C	12/10/2020 13:07	0.0	0.2	20.1	0.0	3.33	None
GP-18A	12/10/2020 13:10	0.0	0.2	20.1	0.0	0.04	None
GP-18B	12/10/2020 13:11	0.0	0.3	17.4	0.0	0.07	None
GP-18C	12/10/2020 13:12	0.0	0.3	17.2	0.0	2.95	None
GP-19A	12/10/2020 13:15	0.0	0.2	20.2	0.0	0.05	None
GP-19B	12/10/2020 13:16	0.0	0.7	16.6	0.0	0.02	None
GP-19C	12/10/2020 13:17	0.0	0.2	20.2	0.0	0.11	None
GP-20A	12/10/2020 13:20	0.0	0.2	20.3	0.0	0.05	None
GP-20B	12/10/2020 13:21	0.0	0.3	19.4	0.0	0.03	None
GP-20C	12/10/2020 13:22	0.0	0.4	17.3	0.0	0.04	None
GP-21A	12/10/2020 13:25	0.0	0.4	19.5	0.0	0.04	None
GP-21B	12/10/2020 13:26	0.0	0.2	12.6	0.0	0.06	None
GP-21C	12/10/2020 13:27	0.0	0.2	13.1	0.0	-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	12/10/2020 13:30	0.0	0.7	18.7	0.0	1.71	None
GP-22C	12/10/2020 13:31	0.0	1.6	2.6	0.0	4.07	None
GP-23A	12/10/2020 13:36	0.0	0.2	19.9	0.0	0.03	None
GP-23B	12/10/2020 13:37	0.0	0.2	20.4	0.0	0.86	None
GP-23C	12/10/2020 13:38	0.0	0.2	20.5	0.0	0.07	None
GP-24A	12/10/2020 13:45	0.0	4.9	12.7	0.0	0.01	None
GP-24B	12/10/2020 13:46	0.0	2.9	16.8	0.0	1.12	None
GP-25	12/10/2020 13:50	0.0	3.1	12.9	0.0	0.01	None
GP-26	12/10/2020 14:00	0.0	0.7	19.1	0.0	0.4	None
GP-27	12/10/2020 14:03	0.0	8.0	10.1	0.0	0.02	None
GP-29A	12/10/2020 14:07	0.0	5.8	13.5	0.0	-0.1	None
GP-29B	12/10/2020 14:08	0.0	0.6	19.6	0.0	0.05	None
GP-30A	12/10/2020 8:03	0.0	2.0	17.1	0.0	0.05	None
GP-30B	12/10/2020 8:04	0.0	0.4	18.7	0.0	0.87	None
GP-31A	12/10/2020 8:08	0.0	6.7	12.8	0.0	0.05	None
GP-31B	12/10/2020 8:09	0.0	0.5	14.5	0.0	1.65	None
GP-31C	12/10/2020 8:11	0.0	2.2	14.7	0.0	3.96	None
GP-32A	12/10/2020 8:14	0.0	0.9	18.3	0.0	-0.01	None
GP-32B	12/10/2020 8:15	0.0	0.4	19.4	0.0	0.02	None
GP-32C	12/10/2020 8:16	0.0	0.5	19.2	0.0	0.04	None
GP-33A	12/10/2020 8:19	0.0	1.3	17.8	0.0	-0.01	None
GP-33B	12/10/2020 8:20	0.0	0.2	19.8	0.0	0	None
GP-33C	12/10/2020 8:21	0.0	0.2	19.3	0.0	0.88	None
GP-34A	12/10/2020 8:24	0.0	0.4	19.8	0.0	0	None
GP-34B	12/10/2020 8:24	0.0	0.3	19.8	0.0	0.05	None
GP-34C	12/10/2020 8:25	0.0	0.2	19.5	0.0	1.56	None
GP-35A	12/10/2020 8:29	0.0	1.6	17.8	0.0	4.07	None
GP-35B	12/10/2020 8:30	0.0	0.4	14.4	0.0	-0.02	None
GP-35C	12/10/2020 8:31	0.0	0.2	20.2	0.0	0.02	None
GP-36A	12/10/2020 8:34	0.0	0.6	9.5	0.0	3.23	None
GP-36B	12/10/2020 8:35	0.0	0.2	19.7	0.0	-0.11	None
GP-36C	12/10/2020 8:37	0.0	0.3	17.5	0.0	0.4	None
GP-37A	12/10/2020 8:40	0.0	0.2	20.5	0.0	-0.03	None
GP-37B	12/10/2020 8:41	0.0	0.2	20.6	0.0	-0.02	None
GP-37C	12/10/2020 8:42	0.0	0.7	5.4	0.0	2.29	None
GP-39	12/10/2020 8:48	0.0	0.5	18.4	0.0	0.04	None
GP-40	12/10/2020 8:51	0.0	0.2	20.4	0.0	-0.06	None
GP-41A	12/10/2020 8:56	0.0	0.2	20.6	0.0	-0.07	None
GP-41B	12/10/2020 8:57	0.0	0.2	20.4	0.0	-0.06	None
GP-41C	12/10/2020 8:59	0.0	0.2	20.5	0.0	-0.06	None
GP-42A	12/10/2020 9:02	0.0	0.3	20.4	0.0	-0.16	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	12/10/2020 9:04	0.0	0.6	18.7	0.0	1.21	None
GP-43A	12/10/2020 9:10	0.0	0.2	20.4	0.0	-0.08	None
GP-43B	12/10/2020 9:11	0.0	0.2	20.5	0.0	-0.05	None
GP-43C	12/10/2020 9:12	0.0	0.2	20.4	0.0	-0.05	None
GP-44A	12/10/2020 9:16	0.0	0.2	20.4	0.0	-0.05	None
GP-44B	12/10/2020 9:17	0.0	0.6	15.5	0.0	1.24	None
GP-44C	12/10/2020 9:18	0.0	0.2	20.0	0.0	-0.07	None
GP-45D	12/10/2020 9:34	0.0	0.2	19.7	0.0	1.32	None
GP-45I	12/10/2020 9:33	0.0	0.2	19.0	0.0	0.39	None
GP-45S	12/10/2020 9:32	0.0	0.2	20.1	0.0	0	None

Interior Probes

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Landfill Gas Interior Probes
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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	10/14/2020 11:05	0.0	0.2	20.6	0	-0.14	None
ATC-3S	10/14/2020 11:04	0.0	1.3	16.9	0	-6.43	None
GP-1A	10/7/2020 13:59	0.0	3.8	17.8	0	0.07	None
GP-1B	10/7/2020 14:00	0.0	0.4	20.2	0	-0.14	None
GP-2A	10/7/2020 14:19	0.0	7.8	11.9	0	0.01	None
GP-2B	10/7/2020 14:20	0.0	0.3	19.3	0	0.12	None
GP-3	10/7/2020 14:34	0.0	16.3	5.9	0	0.06	None
GP-46D	10/7/2020 14:41	0.0	0.1	20.6	0	1.85	None
GP-46I	10/7/2020 14:40	0.0	0.1	20.5	0	1.58	None
GP-46S	10/7/2020 14:38	0.0	0.2	17.9	0	0.39	None
GP-47D	10/14/2020 9:44	0	0.5	19.8	0	-1.4	None
GP-47I	10/14/2020 9:43	39.7	19.2	2.1	>>>>	-4.87	None
GP-47S	10/14/2020 9:41	0	0.1	20.9	0	-4.86	None
GP-48D	10/7/2020 14:48	0.8	23.7	0.3	16	2.25	None
GP-48I	10/7/2020 14:47	0.0	0.3	20.4	0	0.09	None
GP-48S	10/7/2020 14:45	0.0	0.5	17.5	0	0.18	None
GP-4A	10/7/2020 14:25	0.0	0.1	20.3	0	0.11	None
GP-4B	10/7/2020 14:27	0.0	0.1	20.4	0	0.09	None
GP-52	10/14/2020 9:28	0.0	0.2	20.6	0	-0.03	None
GP-53	10/14/2020 9:30	0.0	0.6	18.5	0	-1.26	None
GP-54	10/14/2020 9:32	0.0	0.1	20.7	0	-0.3	None
GP-55	10/7/2020 13:42	17.4	7.4	8.8	>>>>	0.30	None
GP-56	10/7/2020 13:44	0.0	2.3	17.8	0	0.02	None
GP-57	10/7/2020 13:38	39.0	20.4	5.1	>>>>	-10.17	None
GP-58	10/7/2020 13:39	0.0	14.4	7.9	0	0.04	None
GP-59	10/7/2020 13:33	13.7	5.4	8.2	>>>>	0.94	None
GP-5A	10/14/2020 10:49	0.0	0.1	20.9	0	-6.5	None
GP-5BA	10/14/2020 10:52	0.0	0.3	20.7	0	0.13	None
GP-5BB	10/14/2020 10:53	0.0	0.1	20.9	0	-6.57	None
GP-5BC	10/14/2020 10:55	0.0	0.1	20.9	0	-6.52	None
GP-5BD	10/14/2020 10:56	0.0	0.1	20.8	0	-6.33	None
GP-60	10/7/2020 13:34	0.0	0.2	20.2	0	0.04	None
GP-61	10/7/2020 13:22	0.0	1.4	19.9	0	0.95	None
GP-62	10/7/2020 13:23	0.0	3.9	16.4	0	0.03	None
GP-63A	10/14/2020 11:27	0.0	4.9	15.7	0	-0.01	None
GP-63B	10/14/2020 11:28	0.0	0.2	20.2	0	0.08	None
GP-63C	10/14/2020 11:29	0.0	0.2	20.4	0	-5.35	None
GP-64A	10/14/2020 11:19	0.0	6.5	12.9	0	-0.02	None
GP-64B	10/14/2020 11:22	0.0	0.7	19.5	0	-0.05	None
GP-64C	10/14/2020 11:23	0.0	0.1	20.4	0	-5.94	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-6A	10/7/2020 14:04	0.0	1.4	13.0	0	1.60	None
GP-6B	10/7/2020 14:05	0.0	2.0	10.6	0	2.55	None
GP-6C	10/7/2020 14:07	0.0	0.3	20.2	0	2.55	None
GP-6D	10/7/2020 14:08	0.0	4.3	0.6	0	2.06	None
GP-6E	10/7/2020 14:09	0.0	0.2	20.1	0	2.61	None
GP-6F	10/7/2020 14:11	0.0	0.2	20.4	0	2.60	None
GP-6G	10/7/2020 14:12	0.0	1.2	13.4	0	2.52	None
GP-6H	10/7/2020 14:14	0.0	4.1	0.4	0	2.12	None
GP-7	10/7/2020 13:57	0.0	2.9	12.1	0	1.58	None
GP-8	10/7/2020 13:47	0.0	1.2	15.5	0	1.30	None
GP-9	10/7/2020 13:28	0.0	0.2	20.5	0	1.58	None
GP-B4-1	10/7/2020 14:30	0.0	2.6	17.2	0	1.80	None
GP-B4-2	10/7/2020 14:32	0.0	1.4	19.0	0	2.16	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	11/16/2020 14:20	0	6.8	17.5	0	13.64	None
ATC-3S	11/16/2020 14:18	0	1.6	15.8	0	1.17	None
GP-1A	11/11/2020 20:58	0.0	0.2	21.0	0	0.01	None
GP-1B	11/11/2020 21:00	0.0	0.2	21.0	0	-0.01	None
GP-2A	11/11/2020 21:21	0.0	8.6	10.0	0	0.08	None
GP-2B	11/11/2020 21:23	0.1	0.3	21.0	2	0.03	None
GP-3	11/11/2020 21:41	0.0	8.3	8.4	0	-0.06	None
GP-46D	11/11/2020 21:47	0.0	0.2	21.0	0	-1.11	None
GP-46I	11/11/2020 21:46	0.0	0.2	21.0	0	-1.96	None
GP-46S	11/11/2020 21:44	0.0	0.3	19.5	0	-0.01	None
GP-47D	11/16/2020 14:53	0	0.8	15	0	3.13	None
GP-47I	11/16/2020 14:51	51.5	21.6	1.4	>>>>	2.65	None
GP-47S	11/16/2020 14:50	0	0.3	21	0	2.22	None
GP-48D	11/11/2020 21:55	0.1	0.2	21.0	2	-1.77	None
GP-48I	11/11/2020 21:54	0.1	0.3	21.0	2	0.04	None
GP-48S	11/11/2020 21:52	0.0	1.3	13.1	0	-0.04	None
GP-4A	11/11/2020 21:31	0.0	0.2	21.0	0	-0.42	None
GP-4B	11/11/2020 21:33	0.0	0.2	21.0	0	0.28	None
GP-52	11/16/2020 11:28	0	0.2	21	0	0.01	None
GP-53	11/16/2020 11:29	0.1	0.8	19.3	2	0.03	None
GP-54	11/16/2020 11:26	0	0.2	21	0	0.25	None
GP-55	11/11/2020 20:44	0.1	0.4	20.7	2	-0.42	None
GP-56	11/11/2020 20:46	0.0	1.9	16.8	0	0.07	None
GP-57	11/11/2020 20:40	30.9	16.1	8.3	>>>>	-13.88	None
GP-58	11/11/2020 20:41	0.1	16.9	3.1	2	-0.02	None
GP-59	11/11/2020 20:35	0.0	0.2	20.7	0	-0.63	None
GP-5A	11/16/2020 14:06	0	0.2	21	0	1.18	None
GP-5BA	11/16/2020 14:07	0	0.5	21	0	0.59	None
GP-5BB	11/16/2020 14:09	0	1.2	16.4	0	1.3	None
GP-5BC	11/16/2020 14:12	0	0.2	21	0	1.46	None
GP-5BD	11/16/2020 14:13	0	0.2	21	0	1.5	None
GP-60	11/11/2020 20:37	0.0	0.3	20.7	0	-0.02	None
GP-61	11/11/2020 20:19	0.1	0.2	20.6	2	-0.74	None
GP-62	11/11/2020 20:22	0.0	6.5	13.6	0	-0.02	None
GP-63A	11/17/2020 7:25	0	1.2	20.5	0	0.02	None
GP-63B	11/17/2020 7:27	0	0.3	20.6	0	0.01	None
GP-63C	11/17/2020 7:29	0	0.4	18	0	6.05	None
GP-64A	11/17/2020 7:32	0	0.3	20.4	0	-0.02	None
GP-64B	11/17/2020 7:34	0	2.1	19	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-64C	11/17/2020 7:35	0.2	0.8	14.5	4	5.61	None
GP-6A	11/11/2020 21:03	0.0	0.2	21.0	0	-2.42	None
GP-6B	11/11/2020 21:05	0.0	0.2	21.0	0	-1.65	None
GP-6C	11/11/2020 21:07	0.0	0.2	21.0	0	0	None
GP-6D	11/11/2020 21:08	0.1	0.2	21.0	2	-1.86	None
GP-6E	11/11/2020 21:10	0.1	0.2	21.0	2	-1.61	None
GP-6F	11/11/2020 21:11	0.1	0.2	21.0	2	-1.62	None
GP-6G	11/11/2020 21:13	0.0	0.2	21.0	0	-1.75	None
GP-6H	11/11/2020 21:15	0.0	0.2	21.0	0	-1.35	None
GP-7	11/11/2020 20:53	0.0	0.3	21.0	0	-2.01	None
GP-8	11/11/2020 20:49	0.4	16.9	1.4	8	-2.06	None
GP-9	11/11/2020 20:26	0.0	0.2	20.6	0	-2.03	None
GP-B4-1	11/11/2020 21:38	0.0	3.1	17.7	0	-2.64	None
GP-B4-2	11/11/2020 21:39	0.0	0.2	21.0	0	-1.42	None

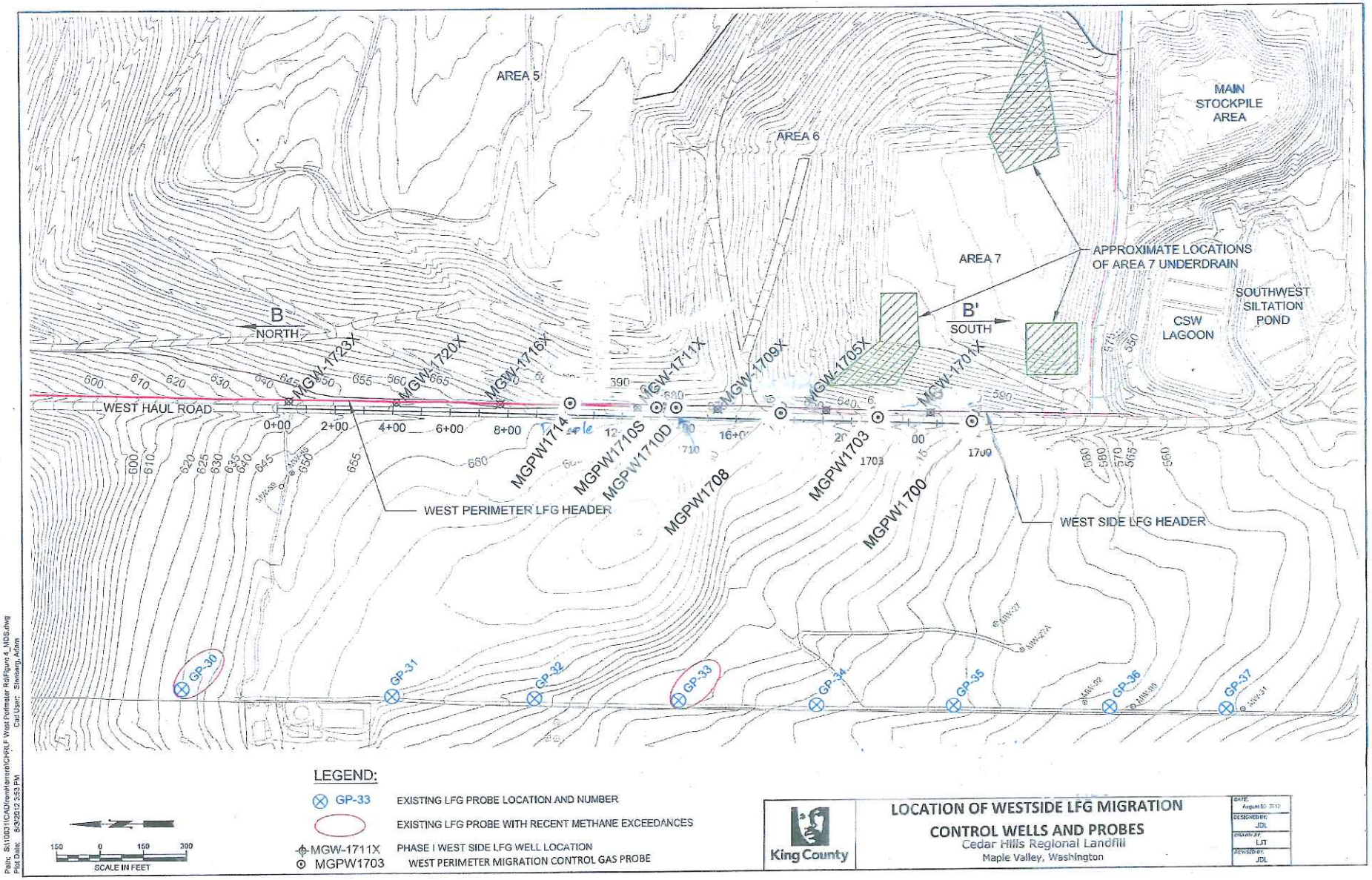
CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
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Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	12/10/2020 10:29	0.0	0.3	20.6	0	-2.35	None
ATC-3S	12/10/2020 10:28	0.0	0.6	17.4	0	1.97	None
GP-1A	12/3/2020 1:36	0.0	0.1	21.0	0.0	0.00	None
GP-1B	12/3/2020 1:38	0.0	0.1	21.0	0.0	0.01	None
GP-2A	12/3/2020 2:00	0.0	6.5	9.1	0.0	-0.05	None
GP-2B	12/3/2020 2:01	0.0	0.2	21.0	0.0	-0.05	None
GP-3	12/3/2020 2:24	0.0	0.3	21.0	0.0	-0.09	None
GP-46D	12/3/2020 2:34	0.0	0.1	21.0	0.0	0.04	None
GP-46I	12/3/2020 2:32	0.0	0.1	21.0	0.0	-1.09	None
GP-46S	12/3/2020 2:31	0.0	0.2	17.4	0.0	0.00	None
GP-47D	12/10/2020 11:02	0.0	1.1	14.7	0	2.43	None
GP-47I	12/10/2020 11:01	37.7	19.7	0.3	>>>>	2.85	None
GP-47S	12/10/2020 10:59	35.4	17.4	0.6	>>>>	2.75	None
GP-48D	12/3/2020 2:47	0.0	0.1	21.0	0.0	-0.21	None
GP-48I	12/3/2020 2:45	0.0	0.2	21.0	0.0	-0.11	None
GP-48S	12/3/2020 2:43	0.0	0.5	18.1	0.0	-0.06	None
GP-4A	12/3/2020 2:09	0.0	0.1	21.0	0.0	-0.06	None
GP-4B	12/3/2020 2:11	0.0	0.2	21.0	0.0	0.06	None
GP-52	12/10/2020 11:06	0.0	0.3	20.2	0	-0.28	None
GP-53	12/10/2020 11:08	0.0	0.7	19.3	0	-0.04	None
GP-54	12/10/2020 11:10	0.0	0.6	20.1	0	-0.07	None
GP-55	12/3/2020 1:18	5.0	2.0	17.6	>>>>	0.01	None
GP-56	12/3/2020 1:16	0.1	1.0	20.6	2.0	-0.09	None
GP-57	12/3/2020 1:12	34.1	17.6	7.2	>>>>	-10.65	None
GP-58	12/3/2020 1:09	0.0	17.5	2.8	0.0	45.75	None
GP-59	12/3/2020 1:04	5.5	2.3	10.1	>>>>	0.17	None
GP-5A	12/10/2020 10:14	0.0	0.3	19.2	0	1.93	None
GP-5BA	12/10/2020 10:17	0.0	0.4	20.7	0	-5.16	None
GP-5BB	12/10/2020 10:20	0.0	1.5	18.1	0	1.95	None
GP-5BC	12/10/2020 10:21	0.0	1.2	18.6	0	1.97	None
GP-5BD	12/10/2020 10:22	0.0	1.0	11.5	0	2.05	None
GP-60	12/3/2020 1:02	0.0	0.2	20.8	0.0	-0.03	None
GP-61	12/3/2020 0:49	0.0	1.1	20.3	0.0	0.16	None
GP-62	12/3/2020 0:47	0.0	5.5	15.8	0.0	-0.04	None
GP-63A	12/10/2020 12:40	0.0	0.2	19.6	0.0	0.08	None
GP-63B	12/10/2020 12:42	0.0	0.2	19.0	0.0	0.09	None
GP-63C	12/10/2020 12:44	0.0	0.3	19.5	0.0	3.70	None
GP-64A	12/10/2020 12:34	0.0	0.2	19.1	0.0	0.07	None
GP-64B	12/10/2020 12:36	0.0	1.2	18.2	0.0	0.11	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-64C	44175.52639	0	0.6	18	0	3.15	None
GP-06A	12/3/2020 1:42	0.0	0.1	21.0	0.0	-0.46	None
GP-06B	12/3/2020 1:44	0.0	0.1	21.0	0.0	0.06	None
GP-06C	12/3/2020 1:45	0.0	0.1	21.0	0.0	-0.08	None
GP-06D	12/3/2020 1:47	0.0	0.1	21.0	0.0	-0.64	None
GP-06E	12/3/2020 1:49	0.0	0.1	21.0	0.0	0.04	None
GP-06F	12/3/2020 1:50	0.0	0.1	21.0	0.0	-0.17	None
GP-06G	12/3/2020 1:52	0.0	1.1	15.1	0.0	-0.07	None
GP-06H	12/3/2020 1:54	0.0	0.1	21.0	0.0	-0.44	None
GP-7	44168.06042	0	0.1	21	0	0.07	None
GP-8	44168.05764	0	3.8	16.5	0	0.14	None
GP-9	44168.03889	0	0.1	20.8	0	0.23	None
GP-B4-1	44168.09514	0	3.1	17.9	0	-0.62	None
GP-B4-2	44168.09583	0	0.1	21	0	0.02	None

On-Site Building Monitoring


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

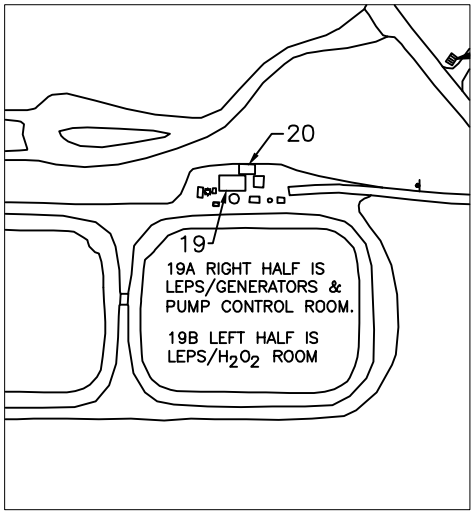
West Perimeter Landfill Gas Migration Control Probes

Fourth Quarter 2020 Monitoring Data

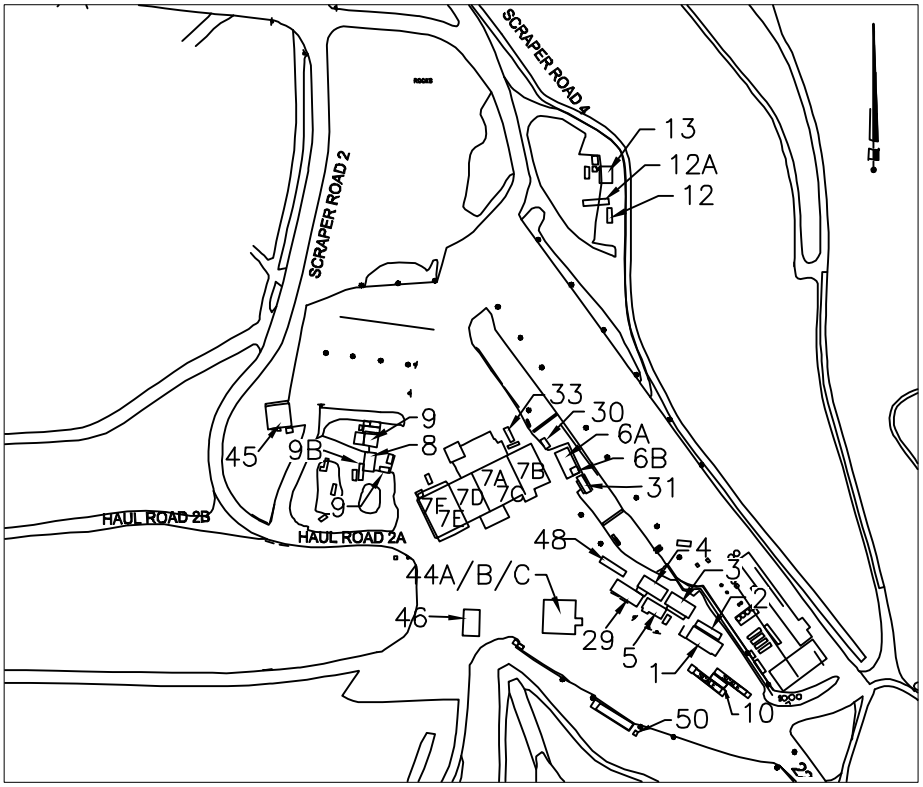
			Barometric				Static	
Probe ID	Date	Time	Pressure in Hg	CH4 %vol	CO2 %vol	O2 %vol	Pressure in INWC	Comments
MGPW 1700	10/2/020	10:47am	30.04	0	0.02	20.7	0.01	
MGPW 1700	10/15/2020	1:42pm	30.39	0	0.2	20.7	0.01	
MGPW 1700	11/4/2020	3:27pm	29.98	0	0.2	20.8	-0.05	
MGPW 1700	11/18/2020	9:30am	29.57	0	0.3	20	-0.27	
MGPW 1700	12/6/2020	11:13AM	30.3	0	0.3	21	-0.05	
MGPW 1700	12/20/2020	11:07am	29.98	0	0.3	20.1	1.05	
MGPW 1708	10/2/2020	11:10am	30.04	0	0.2	20.5	-1.02	
MGPW 1708	10/15/2020	1:53pm	30.39	0	0.2	20.6	-1.47	
MGPW 1708	11/4/2020	3:15pm	29.98	0	0.1	20.9	-0.32	
MGPW 1708	11/18/2020	9:25am	29.57	0	3	16.8	-0.83	
MGPW 1708	12/6/2020	11:24	30.3	0	0.3	21	-3.41	
MGPW 1708	12/20/2020	11:37am	29.98	0	0.3	20.8	-2.82	
MGPW 1710S	10/2/2020	11:18am	30.04	0	0.1	20.5	-1.01	
MGPW 1710S	10/15/2020	1:59	30.39	0	0.2	20.6	-1.47	
MGPW 1710S	11/4/2020	3:06pm	29.98	0	0.2	20.6	-0.32	
MGPW 1710S	11/18/2020	9:23am	29.57	0	0.2	21	-0.81	
MGPW 1710S	12/6/2020	11:29	30.3	0	0.3	21	-3.20	
MGPW 1710S	12/20/2020	11:44am	29.98	0	0.2	20.9	-2.60	
MGPW 1710D	10/2/2020	11:21am	30.04	0	0.1	20.6	-1.08	
MGPW 1710D	10/15/2020	2:02pm	30.39	0	0.1	20.7	-1.87	
MGPW 1710D	11/4/2020	3:08pm	29.98	0	0.1	20.9	-0.28	
MGPW 1710D	11/18/2020	9:17am	29.57	0	0.2	21	-0.92	
MGPW 1710D	12/6/2020	11:31	30.3	0	0.2	21	-3.08	
MGPW 1710D	12/20/2020	11:43am	29.98	0	0.3	20.8	-2.85	
MGPW 1714	10/2/2020	11:27am	30.04	0	0.1	20.5	-1.06	
MGPW 1714	10/15/2020	2:05pm	30.39	0	0.1	20.7	-1.74	
MGPW 1714	11/4/2020	2:59pm	29.98	0	0.2	20.5	-2.17	
MGPW 1714	11/18/2020	9:07am	29.57	0	0.2	21	-0.79	
MGPW 1714	12/6/2020	11:36	30.3	0	0.3	21	-2.99	
MGPW 1714	12/20/2020	11:49am	29.98	0	0.3	20.7	-2.59	

Migration Probes

Aeration Ponds



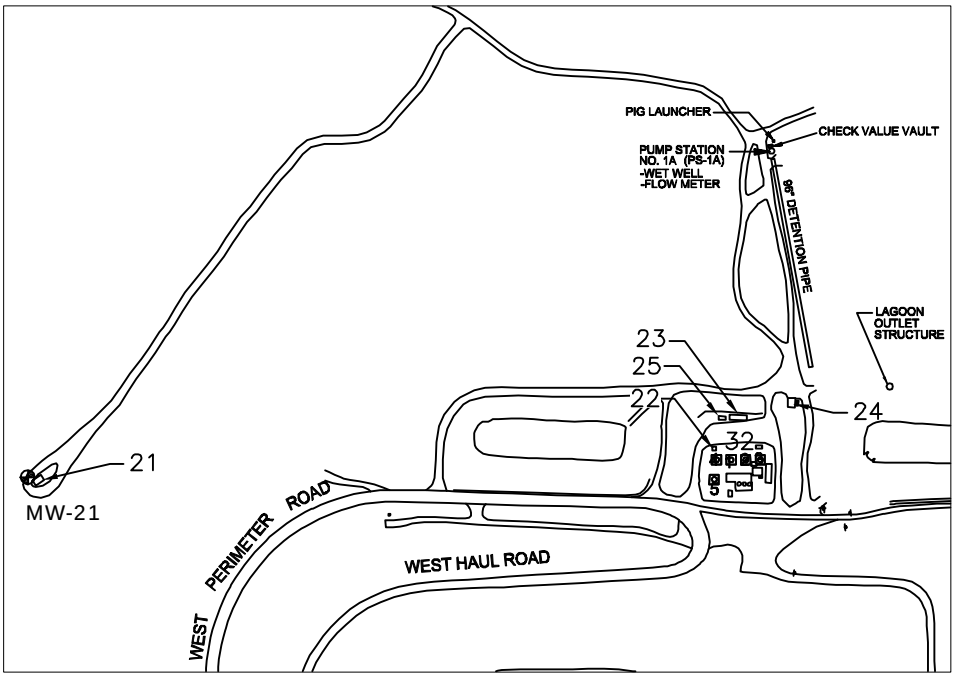
Shop and Office Buildings



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	DATE: February 2012	PROJECT NO.
		DESIGNED BY:	
	Environmental Monitoring Sampling and Analysis Plan	DRAWN BY:	FIGURE NO.
	Cedar Hills Regional Landfill, King County, Washington	REVISED BY: -	

FOURTH QUARTER
BUILDING MONITORING

King County

INSTRUMENT: Place check by instrument used :

WEATHER: OVERCAST

DATE: 12/10/20

TECH: DNS

SEM 500 ×

ENVIS ID		BLDG #	DESCRIPTION	CH_4 (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC-	12/10/20	1	FRONT OFFICE			30.08	4:14 AM
GCR-	12/10/20	2	CONF ROOM				
GAO-	12/10/20	3	PAYROLL OFFICE				
GEO-	12/10/20	4	ENGR. OFFICE				
GLRC-	12/10/20	5	LUNCHROOM				
GSPC	12/10/20		SPOC				
GELO-	12/10/20	A 6A	DRY STORAGE				
GELO-	12/10/20	B 6B	ELECTRICIAN OFFICE				
GAP-	12/10/20		ACCOUNT PAYABLE				
GSO-	12/10/20	A 7A	SHOP OFFICE				
GPR-	12/10/20	B 7B	PARTS ROOM				
GMS-	12/10/20	C 7C	SHOP PIT AREA/BAY				
GTB-	12/10/20	D 7D	SHOP TIRE BAY				
GEW-	12/10/20	E 7E	EAST WELD SHOP				
GWW-	12/10/20	F 7F	WEST WELD SHOP				
GCS-	12/10/20	8	CARPENTER'S				
GSS-	12/10/20	9	WASTEWATER				
GSS-	12/10/20	B 9B	CARPENTER/STORAGE				
GSH-	12/10/20	10	SCALEHOUSE				
GB13-	12/10/20	13	WW COMPRESSOR				
GB16-	12/10/20	16	GENERATOR	**170**	ALL SIDES OF BULDG.		
GB19-	12/10/20	19	LEPS (P.S.# 5)	**N/A**	HIGH VOLTAGE AREA		
GB19-	12/10/20	B 19B	LEPS/H_2 O_2 ROOM	**N/A**	BULDG. REMOVED		
GB20-	12/10/20	20	LEPS ELEC PANALS	**N/A**	HIGH VOLTAGE AREA		
GB21-	12/10/20	21	STORAGE(OLD PS 1)	**N/A**	HAZARDUOUS AREA		
GB22-	12/10/20	22	STORAGE/N FLARE				
GB23-	12/10/20	23	LFGAS				
GB24-	12/10/20	24	NE GENERATOR BLDG				
GBWW-	12/10/20	30	WOMEN BRK RM				
GPWT-	12/10/20	PW	PRESSURE WASH RM				
GBRR-	12/10/20	RR	TRUCKWASH RR W				
GBSS-	12/10/20	SS	TRUCKWASH RR E				
GBZZ-	12/10/20	29	MANAGERS TRAILER				
GBPT-	12/10/20		CCG FASTER				
GCLS-	12/10/20		CHLORINE SHED				

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
10/1/20 0:13	2.663	147.9	2.363	16.52	29.37	0
10/1/20 0:16	2.533	159.9	7.175	16.44	29.37	0
10/1/20 0:35	1.646	162.7	4.812	16.27	29.37	0
10/1/20 0:59	1.555	114.2	23.54	16.42	29.39	0
10/1/20 1:00	1.747	74.2	4.142	16.18	29.39	0
10/1/20 1:29	1.326	27.71	14.87	16.49	29.39	0
10/1/20 1:34	1.732	5.803	7.213	16.4	29.39	0
10/1/20 1:47	1.765	38.77	7.483	15.51	29.36	0
10/1/20 2:01	1.69	25.47	10.89	15.25	29.36	0
10/1/20 2:29	0.282	39.17	6.14	15.4	29.36	0
10/1/20 2:43	1.107	80.7	39.58	15.59	29.36	0
10/1/20 2:46	1.613	165.8	4.726	15.94	29.37	0
10/1/20 3:07	1.129	227.5	34.23	15.74	29.37	0
10/1/20 3:23	0.015	249.8	0.057	15.89	29.37	0
10/1/20 3:41	1.513	286.8	7.893	15.31	29.37	0
10/1/20 3:53	5.405	304.1	7.212	14.38	29.38	0
10/1/20 4:01	4.766	339.9	23.66	13.93	29.38	0
10/1/20 4:29	4.097	10.34	9.72	13.37	29.38	0
10/1/20 4:30	3.191	44.39	29.67	13.52	29.38	0
10/1/20 4:45	2.223	105.4	14.65	13.14	29.38	0
10/1/20 5:12	1.482	46.09	34.92	12.5	29.38	0
10/1/20 5:18	2.525	42.1	8.35	12.35	29.38	0
10/1/20 5:33	2	50.98	1.543	12.4	29.38	0
10/1/20 5:58	1.931	22.65	14.39	13.02	29.38	0
10/1/20 6:10	2.465	353.9	4.627	13.27	29.38	0
10/1/20 6:24	1.935	15.52	2.693	12.83	29.38	0
10/1/20 6:43	3.676	28.26	3.741	12.07	29.38	0
10/1/20 6:57	4.806	24.2	6.473	11.7	29.39	0
10/1/20 7:14	4.465	32.22	7.366	11.98	29.39	0
10/1/20 7:15	5.086	25.34	8.25	12.28	29.39	0
10/1/20 7:41	4.036	31.9	8.1	12.44	29.39	0
10/1/20 7:45	2.793	30.51	6.001	12.56	29.37	0
10/1/20 8:12	0.832	208	51.36	12.77	29.37	0.01
10/1/20 8:16	2.139	242.5	20.77	12.48	29.37	0
10/1/20 8:31	1.377	282.1	12.23	12.71	29.37	0
10/1/20 8:48	0.629	275	8.24	13	29.4	0
10/1/20 9:05	1.394	275.3	16.7	13.31	29.4	0
10/1/20 9:28	0.665	289.6	12.97	13.5	29.4	0
10/1/20 9:44	1.309	261.3	21.47	13.78	29.4	0
10/1/20 9:55	1.889	230.6	31.29	14.02	29.39	0
10/1/20 10:01	1.936	226.9	24.62	14.31	29.39	0
10/1/20 10:27	1.912	226.1	17.77	14.46	29.39	0
10/1/20 10:33	2.866	236.6	18.51	14.89	29.39	0
10/1/20 10:59	2.372	287	31.06	15.97	29.38	0
10/1/20 11:05	3.087	303.8	27.97	16.55	29.38	0
10/1/20 11:26	3.042	299.3	33.58	17.28	29.38	0
10/1/20 11:40	3.061	349.4	19.06	17.96	29.38	0
10/1/20 11:52	3.86	247.4	63.2	18.22	29.38	0
10/1/20 12:12	3.983	230	14.58	18.59	29.38	0
10/1/20 12:27	2.515	333.1	37.12	19.35	29.38	0
10/1/20 12:41	3.683	48.21	82.8	19.79	29.38	0
10/1/20 12:55	3.275	280.7	63	20.11	29.34	0
10/1/20 13:07	4.491	298	17.24	20.22	29.34	0
10/1/20 13:26	4.78	288	15.08	19.88	29.34	0
10/1/20 13:31	4.366	288.5	15.49	20.28	29.34	0
10/1/20 13:48	3.866	309.5	15.53	20.58	29.34	0
10/1/20 14:03	4.762	305.3	13.74	21.04	29.34	0
10/1/20 14:18	3.859	335.7	20.49	21.05	29.34	0
10/1/20 14:40	3.541	292.8	18.95	21.33	29.34	0
10/1/20 14:54	2.662	283.6	24.93	21.39	29.33	0
10/1/20 15:10	2.416	10.67	36.47	21.66	29.33	0
10/1/20 15:19	3.03	34.6	13.27	21.1	29.33	0
10/1/20 15:35	1.962	15.19	26	21.26	29.33	0
10/1/20 15:49	2.293	284.8	24.29	21.57	29.31	0
10/1/20 16:11	1.92	281.1	9.45	21.75	29.31	0
10/1/20 16:18	1.742	274.3	15.15	21.65	29.31	0
10/1/20 16:41	3.248	277.4	8.58	21.4	29.31	0
10/1/20 16:58	4.202	280.1	3.638	20.52	29.32	0
10/1/20 17:02	4.903	281.8	3.593	19.83	29.32	0
10/1/20 17:18	4.68	279.6	3.069	19.23	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
10/1/20 17:32	4.157	283.8	3.183	18.75	29.32	0
10/1/20 17:54	4.181	296	4.257	18.45	29.31	0
10/1/20 18:14	4.739	305.5	2.781	18.24	29.31	0
10/1/20 18:23	3.83	321.3	9.11	18.2	29.31	0
10/1/20 18:31	1.974	327.2	23.06	18.1	29.31	0
10/1/20 18:54	1.723	300.1	11.28	17.91	29.3	0
10/1/20 19:10	0.973	231.8	80.8	17.59	29.3	0
10/1/20 19:26	1.755	39.13	10.19	17.03	29.3	0
10/1/20 19:44	4.774	26.38	5.949	16.77	29.3	0
10/1/20 19:57	6.896	24.51	6.672	16.53	29.3	0
10/1/20 20:12	7.598	27.44	7.185	16.45	29.3	0
10/1/20 20:19	7.47	28.01	7.035	16.31	29.3	0
10/1/20 20:43	5.157	27.66	6.692	15.98	29.3	0
10/1/20 20:47	3.753	24.88	5.341	15.84	29.3	0
10/1/20 21:12	4.115	28.03	8.3	15.72	29.3	0
10/1/20 21:15	4.452	35.21	6.993	15.66	29.3	0
10/1/20 21:40	4.267	19.51	5.959	15.5	29.3	0
10/1/20 21:46	3.867	17.93	2.609	15.29	29.32	0
10/1/20 22:05	4.118	21.2	3.441	15.36	29.32	0
10/1/20 22:21	4.694	24.14	5.158	14.9	29.32	0
10/1/20 22:39	5.166	26.04	6.15	14.71	29.32	0
10/1/20 22:55	5.694	31.63	6.535	14.35	29.31	0
10/1/20 23:13	6.509	28.94	7.357	14.23	29.31	0
10/1/20 23:17	6.644	29.81	5.946	14.25	29.31	0
10/1/20 23:31	4.945	34.11	6.52	14.07	29.31	0
10/1/20 23:46	4.424	35.14	2.545	14.38	29.31	0
10/2/20 0:00	2.937	34.37	3.034	14.67	29.31	0
10/2/20 0:25	2.92	27.43	3.841	14.85	29.31	0
10/2/20 0:38	2.436	11.86	7.571	14.68	29.31	0
10/2/20 0:53	2.059	6.443	1.606	14.57	29.32	0
10/2/20 1:14	2.636	327.1	21.43	14.45	29.32	0
10/2/20 1:15	2.66	314.9	9.67	14.6	29.32	0
10/2/20 1:33	2.167	341.2	9.47	14.16	29.32	0
10/2/20 1:45	0.979	0.087	0.082	13.9	29.32	0
10/2/20 2:15	0.298	0.089	0.044	14.1	29.32	0
10/2/20 2:27	2.95	24.94	10.05	13.49	29.32	0
10/2/20 2:33	2.65	34.38	7.124	12.63	29.32	0
10/2/20 2:54	3.634	11.3	5.95	12.32	29.31	0
10/2/20 3:12	3.377	15.9	1.647	12.21	29.31	0
10/2/20 3:27	3.633	24.08	4.43	12.08	29.31	0
10/2/20 3:33	3.974	27.61	6.301	12.24	29.31	0
10/2/20 3:54	4.289	21.81	4.896	12.48	29.32	0
10/2/20 4:11	4.055	25.48	5.798	12.53	29.32	0
10/2/20 4:16	3.454	32.17	6.571	12.88	29.32	0
10/2/20 4:42	3.324	39.92	3.344	12.7	29.32	0
10/2/20 4:52	4.143	35.55	4.831	12.12	29.31	0
10/2/20 5:01	3.296	47.03	4.535	11.81	29.31	0
10/2/20 5:22	3.595	21.84	9.36	11.74	29.31	0
10/2/20 5:32	4.622	11.91	9.05	11.86	29.31	0
10/2/20 5:55	4.881	318	10.26	11.51	29.3	0
10/2/20 6:00	3.118	334.2	17.64	10.67	29.3	0
10/2/20 6:19	1.584	329.2	22.39	10.84	29.3	0
10/2/20 6:30	0	0	0	10.66	29.3	0
10/2/20 6:45	0	0	0	10.84	29.33	0
10/2/20 7:06	0.033	335.1	0.013	11.12	29.33	0.01
10/2/20 7:15	0	0	0	11.58	29.33	0
10/2/20 7:30	0	0	0	11.95	29.33	0
10/2/20 7:52	0.042	22.1	0.757	12.17	29.33	0
10/2/20 8:07	0.572	173.6	30.28	12.07	29.33	0
10/2/20 8:17	0.24	318.5	3.427	12.65	29.33	0
10/2/20 8:39	0.614	246.8	10.44	13.1	29.33	0
10/2/20 8:59	1.115	237.2	9.17	13.29	29.34	0
10/2/20 9:01	1.874	267.1	20.35	13.55	29.34	0
10/2/20 9:20	1.195	300.4	21.32	14.15	29.34	0
10/2/20 9:36	2.718	344.8	10.93	14.11	29.34	0
10/2/20 9:45	2.12	289.6	45.58	14.66	29.33	0
10/2/20 10:09	1.98	44.97	33.3	15.14	29.33	0
10/2/20 10:22	2.174	358.7	15.36	15.26	29.33	0
10/2/20 10:32	1.906	341.7	92.1	16.63	29.33	0
10/2/20 10:55	2.697	162.4	41.69	17.54	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
10/2/20 11:00	2.737	299.2	28.52	17.53	29.32	0
10/2/20 11:28	2.485	293.8	19.4	17.91	29.32	0
10/2/20 11:32	2.241	283.5	25.73	18.55	29.32	0
10/2/20 11:47	1.647	284.6	29.52	19.19	29.33	0
10/2/20 12:11	2.227	274.4	20.46	19.74	29.33	0
10/2/20 12:26	2.468	292	19.79	20.03	29.33	0
10/2/20 12:35	3.377	270	18.61	20.37	29.33	0
10/2/20 12:56	2.46	273.4	20.22	20.54	29.31	0
10/2/20 13:13	2.364	274	29.32	21.16	29.31	0
10/2/20 13:17	2.061	274.8	33.34	21.26	29.31	0
10/2/20 13:35	1.869	319.3	39.27	21.68	29.31	0
10/2/20 13:50	1.594	254.4	25.23	22.39	29.29	0
10/2/20 14:07	2.081	228.9	25.51	22.45	29.29	0
10/2/20 14:21	2.732	305.8	22.43	22.48	29.29	0
10/2/20 14:33	2.77	275.1	23.28	22.63	29.29	0
10/2/20 14:45	2.843	269.3	22.78	22.77	29.28	0
10/2/20 15:11	2.822	278.7	21.5	22.86	29.28	0
10/2/20 15:21	3.516	290.6	18.32	22.74	29.28	0
10/2/20 15:41	4.015	277.7	9.89	22.61	29.28	0
10/2/20 15:48	3.771	270.9	11	22.37	29.27	0
10/2/20 16:13	3.779	280.9	10.59	22.38	29.27	0
10/2/20 16:15	3.708	280.3	5.428	22	29.27	0
10/2/20 16:32	3.534	280.9	4.337	21.93	29.27	0
10/2/20 16:45	2.886	291.8	9.9	21.7	29.28	0
10/2/20 17:03	3.403	288.2	7.093	21.28	29.28	0
10/2/20 17:29	3.764	288.8	2.578	20.64	29.28	0
10/2/20 17:40	4.569	287.6	2.531	20.02	29.28	0
10/2/20 17:45	3.571	310.5	8.64	19.67	29.25	0
10/2/20 18:14	3.594	320.1	5.004	19.53	29.25	0
10/2/20 18:15	3.496	339.4	10.29	19.22	29.25	0
10/2/20 18:44	2.279	3.404	4.906	19.17	29.25	0
10/2/20 18:48	2.061	15.15	2.079	18.54	29.28	0
10/2/20 19:13	1.38	19.92	5.11	18.1	29.28	0
10/2/20 19:24	2.196	34.77	2.581	17.95	29.28	0
10/2/20 19:44	2.422	42.41	4.332	17.83	29.28	0
10/2/20 19:57	3.276	49.51	3.259	17.45	29.27	0
10/2/20 20:05	4.235	39.36	5.885	17	29.27	0
10/2/20 20:19	3.725	30.67	4.069	16.64	29.27	0
10/2/20 20:32	3.475	32.49	4.786	16.45	29.27	0
10/2/20 20:52	3.679	28.66	7.624	16.2	29.28	0
10/2/20 21:07	3.356	44.46	5.634	15.82	29.28	0
10/2/20 21:19	3.245	46.47	5.781	16.09	29.28	0
10/2/20 21:35	3.394	42.15	3.369	16.54	29.28	0
10/2/20 21:51	3.161	25.55	6.146	16.65	29.26	0
10/2/20 22:00	3.224	27.87	2.676	16.68	29.26	0
10/2/20 22:18	1.879	34.42	2.57	16.76	29.26	0
10/2/20 22:36	0.751	36.56	0.06	16.84	29.26	0
10/2/20 22:59	0.916	87.8	66.04	16.67	29.28	0
10/2/20 23:14	3.949	201.6	4.292	16.78	29.28	0
10/2/20 23:22	5.065	188	11.44	15.84	29.28	0
10/2/20 23:31	4.593	163.5	5.024	15.95	29.28	0
10/2/20 23:46	3.914	149.5	6.277	15.94	29.29	0
10/3/20 0:08	3.085	144	5.409	15.68	29.29	0
10/3/20 0:27	4.018	151.9	4.276	15.25	29.29	0
10/3/20 0:30	3.926	158.8	7.484	15.19	29.29	0
10/3/20 0:48	3.764	163.8	4.291	15.34	29.3	0
10/3/20 1:06	4.528	162	4.605	15.36	29.3	0
10/3/20 1:15	2.489	172.6	5.448	15.04	29.3	0
10/3/20 1:38	2.918	180.9	6.461	14.9	29.3	0
10/3/20 1:59	3.208	189.2	10.27	14.73	29.27	0
10/3/20 2:05	4.026	179.8	17.96	14.57	29.27	0
10/3/20 2:23	3.083	163.3	4.589	14.64	29.27	0
10/3/20 2:31	1.737	112.9	19.96	14.67	29.27	0
10/3/20 2:46	0.747	95.8	2.946	14.45	29.27	0
10/3/20 3:00	0.077	100	0.013	14.47	29.27	0
10/3/20 3:29	2.504	187.6	23.28	13.82	29.27	0
10/3/20 3:40	3.435	198.9	10.07	13.55	29.27	0
10/3/20 3:54	2.695	172.4	6.784	13.55	29.27	0
10/3/20 4:04	3.562	185.4	5.97	13.37	29.27	0
10/3/20 4:21	2.699	182	9.81	12.9	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
10/3/20 4:41	3.048	173.6	6.973	12.61	29.27	0
10/3/20 4:56	4.6	189.5	13.08	12.02	29.28	0
10/3/20 5:03	5.366	195.9	3.924	11.44	29.28	0
10/3/20 5:29	5.737	201.3	2.497	11.38	29.28	0
10/3/20 5:38	6.647	219.8	12.57	11.41	29.28	0
10/3/20 5:46	5.686	246	5.3	11.41	29.3	0
10/3/20 6:01	3.588	247.9	4.113	11.47	29.3	0
10/3/20 6:21	2.839	226.6	11.2	11.6	29.3	0
10/3/20 6:30	0.761	222.9	11.24	11.51	29.3	0
10/3/20 6:58	1.242	90.1	24.07	11.2	29.29	0
10/3/20 7:09	2.252	124.2	12.13	11.14	29.29	0
10/3/20 7:15	3	133	9.36	11.22	29.29	0
10/3/20 7:42	3.446	144.5	9.28	11.17	29.29	0
10/3/20 7:47	3.896	194.4	11.67	11.22	29.28	0
10/3/20 8:04	2.261	193	18.61	11.27	29.28	0
10/3/20 8:27	1.115	228	56.11	11.5	29.28	0
10/3/20 8:43	1.274	240.1	20.6	11.54	29.28	0
10/3/20 8:48	1.614	295.3	27.56	11.81	29.28	0
10/3/20 9:13	0.972	253.4	20.36	12.16	29.28	0
10/3/20 9:29	1.395	331.4	51.14	12.52	29.28	0
10/3/20 9:43	1.748	28.46	16.47	12.48	29.28	0
10/3/20 9:45	0.559	358.9	30.6	12.8	29.3	0
10/3/20 10:12	2.146	176.9	42.85	13.21	29.3	0
10/3/20 10:19	3.293	201.5	14.13	13.15	29.3	0
10/3/20 10:31	2.658	221	15.65	13.46	29.3	0
10/3/20 10:48	3.836	216.6	17.72	13.98	29.27	0
10/3/20 11:01	5.123	227.8	9.99	13.82	29.27	0
10/3/20 11:24	4.832	237.3	11.86	13.85	29.27	0
10/3/20 11:30	3.929	256.3	15.44	14.45	29.27	0
10/3/20 11:54	3.071	254.8	14.38	14.6	29.26	0
10/3/20 12:03	4.67	233.7	10.94	15.29	29.26	0
10/3/20 12:17	5.493	229.2	13.8	15.64	29.26	0
10/3/20 12:42	4.507	232.8	19.78	16.01	29.26	0
10/3/20 12:49	3.805	251.6	18.09	16.51	29.26	0
10/3/20 13:14	4.34	251.5	13.37	16.83	29.26	0
10/3/20 13:26	4.534	251.9	18.95	17.24	29.26	0
10/3/20 13:34	5.876	275.6	14.48	17.35	29.26	0
10/3/20 13:47	5.424	280.8	10.63	17.02	29.24	0
10/3/20 14:07	4.728	269.6	13.84	17.18	29.24	0
10/3/20 14:27	4.929	282.4	15	17.64	29.24	0
10/3/20 14:39	7.595	272.8	8.41	17.03	29.24	0
10/3/20 14:45	6.238	274	7.508	16.45	29.24	0
10/3/20 15:01	4.917	275.3	10.81	16.67	29.24	0
10/3/20 15:18	1.987	323.3	20.26	17.31	29.24	0
10/3/20 15:36	0.79	8.36	12.95	17.94	29.24	0
10/3/20 15:58	2.999	303.6	34.02	18.03	29.24	0
10/3/20 16:14	5.497	277.5	8.95	17.02	29.24	0
10/3/20 16:18	7.352	275.7	4.931	16.22	29.24	0
10/3/20 16:30	6.594	277.7	4.942	15.67	29.24	0
10/3/20 16:53	6.699	281.8	4.218	15.17	29.23	0
10/3/20 17:05	6.225	285.3	6.681	14.65	29.23	0
10/3/20 17:19	4.909	299.6	4.947	14.04	29.23	0
10/3/20 17:30	3.387	282.8	6.821	13.76	29.23	0
10/3/20 17:57	4.387	271.5	5.327	13.71	29.25	0.01
10/3/20 18:05	4.897	280.9	7.022	13.74	29.25	0
10/3/20 18:15	2.136	303.2	39.51	13.74	29.25	0
10/3/20 18:31	2.062	332	13.92	13.54	29.25	0
10/3/20 18:50	2.333	319	6.099	13.53	29.24	0
10/3/20 19:11	3.425	270.4	24.83	13.5	29.24	0
10/3/20 19:16	1.815	260.2	21.57	13.45	29.24	0
10/3/20 19:32	2.059	215.9	15.17	13.46	29.24	0
10/3/20 19:59	2.124	198.5	10.26	13.41	29.26	0
10/3/20 20:04	3.202	149.8	15.82	13.32	29.26	0
10/3/20 20:28	1.857	166.3	21.16	13.26	29.26	0
10/3/20 20:41	2.88	166.5	10.47	13.27	29.26	0
10/3/20 20:46	2.28	152.2	24.77	13.25	29.26	0
10/3/20 21:08	2.654	149.3	27.12	13.25	29.26	0
10/3/20 21:24	1.653	93.7	75.81	13.15	29.26	0
10/3/20 21:32	1.414	122	11.11	13.16	29.26	0
10/3/20 21:50	2.029	173.6	33.51	13.24	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
10/3/20 22:09	2.634	215.6	9.73	13.26	29.26	0
10/3/20 22:17	2.466	195.9	22.59	13.1	29.26	0
10/3/20 22:42	2.972	162.6	9.87	13.03	29.26	0
10/3/20 22:55	3.733	208	9.64	13.1	29.25	0
10/3/20 23:00	1.891	218.4	26.78	13.08	29.25	0
10/3/20 23:15	2.112	188.3	25.94	13.1	29.25	0
10/3/20 23:32	1.878	145.4	14.89	13.01	29.25	0
10/3/20 23:51	1.496	141.1	7.397	12.98	29.26	0
10/4/20 0:02	1.139	100.7	33.98	12.92	29.26	0
10/4/20 0:27	0.785	142.1	5.177	12.93	29.26	0
10/4/20 0:42	0.737	252.1	73.36	12.91	29.26	0
10/4/20 0:46	1.86	295	7.388	12.98	29.27	0
10/4/20 1:10	2.365	312.7	12.55	12.93	29.27	0
10/4/20 1:15	2.339	315.8	9.55	12.81	29.27	0
10/4/20 1:30	2.891	322.4	5.412	12.75	29.27	0
10/4/20 1:56	3.294	323.9	2.053	12.65	29.27	0
10/4/20 2:00	2.909	330.9	4.418	12.59	29.27	0
10/4/20 2:24	2.267	311.5	8.76	12.58	29.27	0
10/4/20 2:39	3.039	290.2	12.67	12.5	29.27	0
10/4/20 2:49	2.462	287.9	8.01	12.47	29.27	0
10/4/20 3:13	3.241	282.9	6.361	12.33	29.27	0
10/4/20 3:21	3.238	280.1	5.658	12.3	29.27	0
10/4/20 3:42	3.123	284.4	10.36	12.22	29.27	0
10/4/20 3:47	3.248	278.9	6.588	12.25	29.27	0
10/4/20 4:02	3.344	282.1	6.388	12.23	29.27	0
10/4/20 4:24	3.244	299.6	11.81	12.23	29.27	0
10/4/20 4:32	3.552	276	5.906	12.26	29.27	0
10/4/20 4:47	3.296	272.7	7.527	12.22	29.28	0
10/4/20 5:14	2.215	260.5	19.63	12.22	29.28	0
10/4/20 5:22	3.791	212.7	10.62	12.25	29.28	0
10/4/20 5:43	4.681	200.7	5.536	12.24	29.28	0
10/4/20 5:58	4.722	199.3	7.855	12.17	29.29	0
10/4/20 6:06	4.282	196.6	7.21	12.14	29.29	0.01
10/4/20 6:27	4.412	206.3	6.845	12.12	29.29	0
10/4/20 6:43	4.098	194.1	7.958	12.11	29.29	0
10/4/20 6:50	4.753	207.7	6.591	12.13	29.28	0
10/4/20 7:02	3.13	193.7	13.58	12.11	29.28	0
10/4/20 7:29	2.637	222.3	12.12	12.25	29.28	0
10/4/20 7:30	1.857	257.4	18.83	12.23	29.28	0
10/4/20 7:48	0.944	17.32	27.83	12.32	29.28	0
10/4/20 8:00	0.063	49.18	0.026	12.33	29.28	0
10/4/20 8:27	2.07	106.9	16.11	12.33	29.28	0
10/4/20 8:44	1.919	86.6	12.22	12.35	29.28	0
10/4/20 8:46	2.432	112.5	9.85	12.5	29.3	0
10/4/20 9:07	1.929	77.24	1.699	12.6	29.3	0
10/4/20 9:17	1.535	71.42	2.452	12.72	29.3	0
10/4/20 9:40	2.485	102	24.32	13	29.3	0
10/4/20 9:53	3.387	121.7	10.36	13.38	29.32	0
10/4/20 10:02	1.688	117.8	7.959	13.49	29.32	0
10/4/20 10:26	2.655	75.27	26.01	13.59	29.32	0
10/4/20 10:33	2.564	82.3	7.627	13.54	29.32	0
10/4/20 10:54	3.207	117.1	12.28	13.89	29.32	0
10/4/20 11:02	3.761	139.3	27.48	14.23	29.32	0
10/4/20 11:25	3.388	199.9	18.51	14.29	29.32	0
10/4/20 11:32	2.651	216.3	18.03	14.26	29.32	0
10/4/20 11:45	0.819	295.1	39.67	14.44	29.33	0
10/4/20 12:11	2.291	136	31.5	14.88	29.33	0
10/4/20 12:22	2.794	30.9	14.58	15.09	29.33	0
10/4/20 12:35	0.915	350	18.64	15.27	29.33	0
10/4/20 12:56	2.962	320.1	15.17	15.25	29.34	0
10/4/20 13:01	1.945	310.7	12	15.26	29.34	0
10/4/20 13:23	2.739	269	15.18	15.55	29.34	0
10/4/20 13:30	2.685	277.7	13.64	15.47	29.34	0
10/4/20 14:00	3.495	272.2	16.34	15.6	29.34	0
10/4/20 14:00	6.776	254.4	9.42	15.13	29.34	0
10/4/20 14:23	5.814	253.9	11.51	15.15	29.34	0
10/4/20 14:41	5.437	238.1	14.29	15.16	29.34	0
10/4/20 14:47	5.456	238.9	8.13	15.04	29.35	0
10/4/20 15:03	4.229	249.9	21.13	15.13	29.35	0
10/4/20 15:26	4.569	276.1	10.62	15.11	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
10/4/20 15:32	4.533	275.5	11.4	15	29.35	0
10/4/20 15:52	3.863	293.4	12.53	14.98	29.35	0
10/4/20 16:12	4.624	302.8	10.18	14.79	29.35	0
10/4/20 16:24	5.597	276.6	11.41	14.59	29.35	0
10/4/20 16:31	4.612	271.9	8.08	14.48	29.35	0
10/4/20 16:54	4.356	264.7	6.424	14.47	29.34	0
10/4/20 17:03	4.519	282.6	7.945	14.41	29.34	0
10/4/20 17:16	3.08	291.3	6.422	14.34	29.34	0
10/4/20 17:36	2.909	281	7	14.34	29.34	0
10/4/20 17:59	2.604	273.7	9.3	14.27	29.37	0
10/4/20 18:12	3.253	265	4.296	14.16	29.37	0
10/4/20 18:20	3.066	269.9	4.533	14.17	29.37	0
10/4/20 18:36	2.569	268.7	5.267	14.2	29.37	0
10/4/20 18:54	3.08	253.5	6.38	14.26	29.36	0
10/4/20 19:00	1.61	275.6	15.64	14.28	29.36	0
10/4/20 19:29	0.605	312.8	0.069	14.09	29.36	0
10/4/20 19:33	0.186	327.6	5.223	13.88	29.36	0
10/4/20 19:52	1.042	71.22	27	13.82	29.38	0
10/4/20 20:01	1.731	95.8	8.24	13.82	29.38	0
10/4/20 20:21	2.575	128.5	6.268	13.55	29.38	0
10/4/20 20:31	2.422	142.5	18.14	13.38	29.38	0
10/4/20 20:45	1.996	201	4.608	13.53	29.4	0
10/4/20 21:13	1.945	112.2	25.57	13.34	29.4	0
10/4/20 21:19	3.198	112.6	15.01	13.18	29.4	0
10/4/20 21:31	1.385	107.9	22.23	13.25	29.4	0
10/4/20 21:48	1.097	67.46	5.693	13.28	29.39	0
10/4/20 22:02	0.112	62.14	0.043	13.35	29.39	0
10/4/20 22:22	0.433	62.13	0.029	13.48	29.39	0
10/4/20 22:31	1.548	62.59	0.343	13.2	29.39	0
10/4/20 22:45	0.724	62.65	0.364	13.18	29.4	0
10/4/20 23:05	0.53	61.09	0.47	13.12	29.4	0
10/4/20 23:15	0.093	60.57	0.014	13.27	29.4	0
10/4/20 23:31	0.772	329.5	23.61	13.69	29.4	0
10/4/20 23:59	0.529	12.3	17.15	13.5	29.41	0
10/5/20 0:00	0.748	141.5	20.99	13.43	29.41	0
10/5/20 0:24	0.172	11.63	15.85	13.38	29.41	0
10/5/20 0:41	2.03	10.23	16.38	13.4	29.41	0
10/5/20 0:53	3.007	9.93	6.194	12.97	29.42	0
10/5/20 1:14	2.247	18.9	7.836	12.61	29.42	0
10/5/20 1:18	4.667	7.624	7.46	12.45	29.42	0
10/5/20 1:30	4.296	11.42	10.15	12.38	29.42	0
10/5/20 1:49	3.571	357.6	16.25	12.29	29.4	0
10/5/20 2:13	5.104	343.7	18.71	12.23	29.4	0
10/5/20 2:20	6.708	7.801	5.656	12.2	29.4	0
10/5/20 2:39	7.275	358.4	13	12.34	29.4	0
10/5/20 2:52	8.99	4.093	9.6	12.83	29.41	0
10/5/20 3:06	9.25	13.81	8.66	13.29	29.41	0
10/5/20 3:27	7.824	11.18	10.66	13.34	29.41	0
10/5/20 3:36	7.031	14.39	12.12	13.32	29.41	0
10/5/20 3:45	8.18	9.06	9.72	13.14	29.42	0
10/5/20 4:02	7.137	9.58	14.15	13.22	29.42	0
10/5/20 4:15	3.573	31.23	8.82	12.66	29.42	0
10/5/20 4:41	3.117	13.45	9.14	12.51	29.42	0
10/5/20 4:59	3.66	11.16	8.33	12.53	29.43	0
10/5/20 5:10	3.425	22.36	14.01	12.44	29.43	0
10/5/20 5:28	3.963	26.07	16.33	12.3	29.43	0
10/5/20 5:34	5.081	10.42	6.087	11.93	29.43	0
10/5/20 5:55	4.379	11.38	6.126	11.81	29.42	0
10/5/20 6:09	4.549	21.25	12.85	11.91	29.42	0
10/5/20 6:21	5.623	25.46	5.43	11.66	29.42	0
10/5/20 6:43	4.454	27.29	8.78	11.49	29.42	0
10/5/20 6:57	7.695	21.27	11.43	11.43	29.42	0
10/5/20 7:00	5.711	16.71	9.66	11.44	29.42	0
10/5/20 7:23	2.721	19.47	16.81	11.45	29.42	0
10/5/20 7:41	5.977	9.23	9.05	11.54	29.42	0
10/5/20 7:46	6.083	26.03	10.14	11.7	29.44	0
10/5/20 8:01	5.286	24.37	10	11.78	29.44	0
10/5/20 8:21	4.746	18.24	9.96	11.9	29.44	0
10/5/20 8:32	4.439	348	27.63	12.35	29.44	0
10/5/20 8:52	2.414	9.8	33.32	12.68	29.45	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/5/20 9:01	2.578	334.3	20.39	13.1	29.45	0
10/5/20 9:17	2.53	322.9	17.09	13.19	29.45	0
10/5/20 9:41	2.047	335.4	17.06	13.95	29.45	0
10/5/20 9:58	2.105	324.7	25.38	14.18	29.45	0
10/5/20 10:14	1.827	345.8	29.13	15.4	29.45	0
10/5/20 10:25	3.811	19.49	20.2	14.98	29.45	0
10/5/20 10:42	5.664	29.19	22.11	15.12	29.45	0
10/5/20 10:57	5.268	351.2	32.37	15.51	29.45	0
10/5/20 11:13	7.593	15.43	13.18	15.3	29.45	0
10/5/20 11:19	6.023	33.78	11.55	15.43	29.45	0
10/5/20 11:44	6.475	16.36	12.85	15.91	29.45	0
10/5/20 11:46	6.247	35.14	12.9	16.23	29.45	0
10/5/20 12:09	4.191	46.16	21.24	17.12	29.45	0
10/5/20 12:29	5.861	22.02	10.15	17.36	29.45	0
10/5/20 12:42	5.403	16.74	10.41	17.87	29.45	0
10/5/20 12:49	6.116	324.5	38.53	18.65	29.43	0
10/5/20 13:06	7.649	343.1	26.38	19.02	29.43	0
10/5/20 13:19	9.22	353.8	15.3	18.88	29.43	0
10/5/20 13:41	7.818	344.8	18.21	18.94	29.43	0
10/5/20 13:47	7.141	339.5	16.71	19	29.43	0
10/5/20 14:01	6.078	306	23.14	19.28	29.43	0
10/5/20 14:19	5.504	281.1	18.65	19.38	29.43	0
10/5/20 14:44	6.489	308.8	19.38	19.75	29.43	0
10/5/20 14:56	8.52	298.4	16.69	19.71	29.4	0
10/5/20 15:03	6.51	317.7	19.72	19.8	29.4	0
10/5/20 15:17	6.01	311.1	14.87	19.65	29.4	0
10/5/20 15:40	7.439	316.9	7.605	19.5	29.4	0
10/5/20 15:54	9.72	327.6	14.47	19.38	29.38	0
10/5/20 16:00	8.41	340	18.3	19.12	29.38	0
10/5/20 16:15	6.964	5.206	17.54	18.77	29.38	0
10/5/20 16:43	7.103	4.53	18.78	18.57	29.38	0
10/5/20 16:57	4.583	350.4	24.83	18.41	29.4	0
10/5/20 17:02	4.206	334	40.72	18.24	29.4	0
10/5/20 17:25	6.372	344.6	13.51	17.74	29.4	0
10/5/20 17:44	5.611	337.6	14.57	17.11	29.4	0
10/5/20 17:49	6.442	327.8	12.45	16.8	29.38	0
10/5/20 18:03	3.282	323.1	15.56	16.67	29.38	0
10/5/20 18:23	2.929	319.7	7.094	16.46	29.38	0
10/5/20 18:44	2.623	323.4	6.505	16.09	29.38	0
10/5/20 18:47	4.525	340.9	13.93	16.05	29.37	0
10/5/20 19:06	3.439	352.9	20.23	15.73	29.37	0
10/5/20 19:27	3.257	22.27	9.11	14.73	29.37	0
10/5/20 19:37	4.081	17.35	7.715	14.38	29.37	0
10/5/20 19:53	4.591	26.21	5.606	14.24	29.39	0
10/5/20 20:04	4.458	16.72	6.128	14.06	29.39	0
10/5/20 20:29	3.893	15.48	5.624	13.9	29.39	0
10/5/20 20:35	5.114	10.91	10.76	13.84	29.39	0
10/5/20 20:55	3.695	19.91	8.73	13.52	29.38	0
10/5/20 21:14	5.309	22.1	8.45	13.17	29.38	0
10/5/20 21:29	5.651	31.01	7.901	13.03	29.38	0
10/5/20 21:41	6.061	35.55	7.975	13.08	29.38	0
10/5/20 21:46	5.84	31.8	8.26	12.83	29.38	0
10/5/20 22:13	6.022	16.09	5.71	12.64	29.38	0
10/5/20 22:17	6.359	28.03	7.538	12.79	29.38	0
10/5/20 22:39	4.998	23.33	5.806	12.56	29.38	0
10/5/20 22:57	5.149	23.49	5.226	12.2	29.38	0
10/5/20 23:00	4.9	13.5	7.283	12.43	29.38	0
10/5/20 23:27	3.624	18.35	7.913	12.52	29.38	0
10/5/20 23:32	3.355	28.55	11.08	12.43	29.38	0
10/5/20 23:51	3.981	32.46	7.945	12.3	29.37	0
10/6/20 0:08	4.489	25.57	4.777	11.86	29.37	0
10/6/20 0:27	4.813	21.41	6.936	11.76	29.37	0
10/6/20 0:42	5.818	20.74	8.57	11.96	29.37	0
10/6/20 0:45	6.425	25.92	7.185	11.82	29.35	0
10/6/20 1:13	7.791	25.02	7.263	11.75	29.35	0
10/6/20 1:18	7.083	32.1	9.85	11.61	29.35	0
10/6/20 1:37	5.926	28.29	6.512	11.57	29.35	0
10/6/20 1:47	4.685	26.93	6.521	11.45	29.33	0
10/6/20 2:07	4.254	13.66	6.366	11.53	29.33	0
10/6/20 2:15	4.016	10.8	4.855	11.43	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
10/6/20 2:31	2.982	15.27	7.736	11.44	29.33	0
10/6/20 2:46	1.904	17.48	5.004	11.35	29.35	0
10/6/20 3:03	1.963	18.44	9.64	11.45	29.35	0
10/6/20 3:28	1.922	45.9	9.18	11.49	29.35	0
10/6/20 3:43	2.416	49.53	5.582	11.39	29.35	0
10/6/20 3:59	2.95	41.01	8.88	11.27	29.33	0
10/6/20 4:12	3.795	25.27	3.177	11.11	29.33	0
10/6/20 4:29	3.725	30.43	6.672	10.91	29.33	0
10/6/20 4:38	4.225	32.75	6.823	10.86	29.33	0
10/6/20 4:55	4.367	20.6	5.008	10.84	29.32	0
10/6/20 5:11	4.388	24.71	5.857	10.9	29.32	0
10/6/20 5:27	3.937	28.59	5.998	10.94	29.32	0
10/6/20 5:34	4.326	25.71	5.724	10.88	29.32	0
10/6/20 5:47	3.523	13.41	7.81	10.82	29.33	0
10/6/20 6:00	2.022	323.5	6.827	10.73	29.33	0
10/6/20 6:15	0.305	314.5	0.359	10.57	29.33	0
10/6/20 6:34	1.7	122.3	56.64	10.65	29.33	0
10/6/20 6:55	2.377	36.05	30.96	10.63	29.31	0
10/6/20 7:11	2.774	22.84	8.08	10.57	29.31	0
10/6/20 7:19	1.81	7.017	2.642	10.56	29.31	0
10/6/20 7:42	1.787	13.19	3.57	10.68	29.31	0
10/6/20 7:46	1.28	357.7	8.56	10.91	29.33	0
10/6/20 8:08	0.941	326.5	10.48	11.15	29.33	0
10/6/20 8:22	2.201	344.5	11.36	11.16	29.33	0
10/6/20 8:30	0.422	349.6	3.871	11.28	29.33	0
10/6/20 8:59	0.388	322	25.36	11.65	29.33	0
10/6/20 9:11	1.403	149.9	60.29	12.11	29.33	0
10/6/20 9:28	1.031	315.5	56.03	12.4	29.33	0
10/6/20 9:30	1.428	4.831	22.3	12.43	29.33	0
10/6/20 9:52	0.891	168.5	70.26	12.76	29.32	0
10/6/20 10:05	1.954	242.9	22.09	12.81	29.32	0
10/6/20 10:19	2.118	264.5	15.51	13.19	29.32	0
10/6/20 10:44	3.422	287.9	11.28	13.34	29.32	0
10/6/20 10:45	3.145	288	28.32	13.82	29.32	0
10/6/20 11:12	3.656	284.6	22.35	14.08	29.32	0
10/6/20 11:27	4.382	264.6	13.8	14.4	29.32	0
10/6/20 11:32	4.354	269	12.65	15.32	29.32	0
10/6/20 11:48	3.507	309.2	21.84	16.57	29.28	0
10/6/20 12:06	3.656	312.5	17.08	17.76	29.28	0
10/6/20 12:26	3.682	328	14.33	18.65	29.28	0
10/6/20 12:42	4.129	303.7	35.85	19.71	29.28	0
10/6/20 12:52	6.256	285.3	11	19.98	29.27	0
10/6/20 13:01	4.575	270.7	16.44	20.8	29.27	0
10/6/20 13:26	4.46	357.4	45.32	21.13	29.27	0
10/6/20 13:42	8.73	24.71	9.98	20.97	29.27	0
10/6/20 13:55	12.25	16.86	7.207	20.82	29.23	0
10/6/20 14:08	13.28	20.85	7.281	21	29.23	0
10/6/20 14:17	12.45	17.63	8.62	21.31	29.23	0
10/6/20 14:39	10.79	17.78	8.01	21.68	29.23	0
10/6/20 14:46	10.75	17.87	9.19	21.62	29.22	0
10/6/20 15:12	8.91	16.06	12.05	21.97	29.22	0
10/6/20 15:23	11.86	0.322	13.17	22.04	29.22	0
10/6/20 15:40	12	350.7	12.61	22.05	29.22	0
10/6/20 15:49	12.15	357.8	13.18	21.97	29.21	0
10/6/20 16:03	11.19	356.1	11.65	21.86	29.21	0
10/6/20 16:15	7.455	353.7	14.22	21.79	29.21	0
10/6/20 16:42	6.295	337.4	20.91	21.42	29.21	0
10/6/20 16:58	5.888	330.2	14.36	20.92	29.2	0
10/6/20 17:01	7.4	321	14.78	20.23	29.2	0
10/6/20 17:28	7.632	345.2	16.53	19.52	29.2	0
10/6/20 17:41	11.71	2.226	12.68	19.56	29.2	0
10/6/20 17:54	14.85	5.565	10.27	19.13	29.17	0
10/6/20 18:10	12.19	8.61	10.53	18.67	29.17	0
10/6/20 18:16	9.3	11.51	11.53	18.36	29.17	0
10/6/20 18:31	8.81	14.22	10.94	18.06	29.17	0
10/6/20 18:48	7.491	14.78	10.58	17.47	29.2	0
10/6/20 19:09	9.78	12.53	10.21	17.35	29.2	0
10/6/20 19:24	10.1	14.02	9.34	17.15	29.2	0
10/6/20 19:38	11.44	17.55	7.382	17.01	29.2	0
10/6/20 19:47	10.66	24.11	8.03	16.84	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
10/6/20 20:04	8.94	15.92	8.39	16.29	29.18	0
10/6/20 20:28	5.448	356.7	17.38	15.97	29.18	0
10/6/20 20:37	7.143	18.43	9.6	15.52	29.18	0
10/6/20 20:59	7.486	26.8	9.9	15.11	29.19	0
10/6/20 21:02	10.54	18.63	8.17	15.14	29.19	0
10/6/20 21:26	11.64	15.81	7.939	15.18	29.19	0
10/6/20 21:32	9.35	21.6	8.62	14.67	29.19	0
10/6/20 21:46	7.932	27.53	7.864	14.38	29.17	0
10/6/20 22:01	7.433	27	6.838	14.15	29.17	0
10/6/20 22:17	6.351	34.63	7.249	14.09	29.17	0
10/6/20 22:30	5.738	31.89	7.345	13.95	29.17	0
10/6/20 22:47	5.189	30.07	6.87	13.68	29.18	0
10/6/20 23:00	4.442	34.29	9.95	13.68	29.18	0
10/6/20 23:24	4.855	31.63	7.673	13.42	29.18	0
10/6/20 23:34	5.858	24.51	7.239	13.27	29.18	0
10/6/20 23:58	5.464	26.92	6.868	13.02	29.17	0
10/7/20 0:01	6.037	27.47	7.452	12.99	29.17	0
10/7/20 0:26	5.793	29.09	8.19	12.95	29.17	0
10/7/20 0:35	5.372	23.63	8.12	12.89	29.17	0
10/7/20 0:54	4.369	7.916	8.45	12.75	29.15	0
10/7/20 1:03	3.601	2.527	12.67	12.62	29.15	0
10/7/20 1:26	3.781	3.336	14.92	12.51	29.15	0
10/7/20 1:30	3.011	358.1	10.35	12.48	29.15	0
10/7/20 1:45	2.35	3.655	15.87	12.54	29.13	0
10/7/20 2:03	2.448	2.223	14.68	12.3	29.13	0
10/7/20 2:29	2.576	11.13	15.85	12.02	29.13	0
10/7/20 2:37	3.765	14.67	14.7	11.99	29.13	0
10/7/20 2:54	4.721	26.98	5.149	11.89	29.13	0
10/7/20 3:11	4.254	25.84	6.378	11.78	29.13	0
10/7/20 3:18	4.619	12.62	7.8	11.76	29.13	0
10/7/20 3:36	4.637	11.43	6.081	11.69	29.13	0
10/7/20 3:45	3.168	24.72	4.199	11.49	29.14	0
10/7/20 4:07	2.783	25.35	2.189	11.34	29.14	0
10/7/20 4:20	2.944	29.24	3.498	11.28	29.14	0.01
10/7/20 4:30	2.172	24.57	1.555	11.33	29.14	0
10/7/20 4:45	0.745	31.71	1.505	11.38	29.12	0
10/7/20 5:12	0.757	136.7	6.954	11.35	29.12	0
10/7/20 5:21	2.778	163.1	9.12	11.12	29.12	0
10/7/20 5:40	2.884	154	8.71	10.74	29.12	0
10/7/20 5:56	3.571	138.1	8.36	10.66	29.12	0
10/7/20 6:08	3.737	174.7	8.43	10.91	29.12	0
10/7/20 6:29	2.857	181.6	1.597	11.11	29.12	0
10/7/20 6:40	3.346	202.7	10.19	11.19	29.12	0
10/7/20 6:45	1.681	220.3	26.76	11.35	29.13	0
10/7/20 7:07	1.43	128.4	16.34	11.35	29.13	0
10/7/20 7:15	0.25	135.3	2.685	11.62	29.13	0
10/7/20 7:44	1.496	147.7	9.32	11.68	29.13	0
10/7/20 7:55	2.261	170.8	9.85	11.77	29.11	0
10/7/20 8:04	1.642	141.1	17.9	12.14	29.11	0
10/7/20 8:21	1.489	107.7	13.25	12.34	29.11	0
10/7/20 8:32	1.016	124.1	48.16	12.43	29.11	0
10/7/20 8:57	1.674	182.5	23.93	12.58	29.11	0
10/7/20 9:01	2.307	191.2	8.57	12.64	29.11	0
10/7/20 9:16	1.801	203.5	21.29	12.8	29.11	0
10/7/20 9:44	1.011	180.1	32.15	13.16	29.11	0
10/7/20 9:46	1.285	173.3	21.55	13.08	29.13	0
10/7/20 10:00	2.237	177.3	21.15	13.17	29.13	0
10/7/20 10:21	2.246	196.8	14.57	13.28	29.13	0
10/7/20 10:41	3.031	184.6	11.99	13.65	29.13	0
10/7/20 10:51	3.129	203.1	15.03	13.77	29.1	0
10/7/20 11:01	2.976	207.9	19.23	13.87	29.1	0
10/7/20 11:22	3.669	234.1	18.82	14.11	29.1	0
10/7/20 11:40	1.901	238.8	27.27	14.5	29.1	0
10/7/20 11:48	2.147	224.9	26.7	14.56	29.09	0
10/7/20 12:03	2.57	240.6	24.7	14.53	29.09	0
10/7/20 12:24	2.838	201.5	28.07	14.76	29.09	0
10/7/20 12:37	4.198	220.2	10.67	14.95	29.09	0
10/7/20 12:52	4.731	214.6	14.7	15.54	29.07	0
10/7/20 13:00	4.499	215.3	16.42	15.53	29.07	0
10/7/20 13:17	4.3	207	13.96	16.11	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
10/7/20 13:41	3.796	217.7	17	16.53	29.07	0
10/7/20 13:57	4.101	201	17.13	16.9	29.07	0
10/7/20 14:12	4.848	202	12.68	17.04	29.07	0
10/7/20 14:27	4.442	183.4	13.91	17.18	29.07	0
10/7/20 14:31	4.562	188.6	12.48	17.3	29.07	0
10/7/20 14:45	3.704	193.5	20.7	17.5	29.06	0
10/7/20 15:04	3.589	182.7	13.22	17.58	29.06	0
10/7/20 15:18	2.821	198.8	22.21	17.54	29.06	0
10/7/20 15:32	2.955	207.7	17.85	17.73	29.06	0
10/7/20 15:49	2.083	228.1	29.65	18.15	29.05	0
10/7/20 16:06	2.795	205.8	28.07	17.75	29.05	0
10/7/20 16:27	1.132	165.2	23.27	17.73	29.05	0
10/7/20 16:40	2.681	133.3	8.78	17.5	29.05	0
10/7/20 16:59	2.631	158.4	26.42	17.41	29.04	0
10/7/20 17:00	3.127	185.9	6.385	17	29.04	0
10/7/20 17:24	3.488	204.5	6.149	16.57	29.04	0
10/7/20 17:36	3.638	204.5	5.181	16.2	29.04	0
10/7/20 17:46	2.689	193	6.052	15.84	29.05	0
10/7/20 18:14	2.092	161.6	31.61	15.49	29.05	0
10/7/20 18:17	1.957	114.9	2.231	15.12	29.05	0
10/7/20 18:44	2.653	119.7	2.739	15.2	29.05	0
10/7/20 18:50	3.401	116.9	7.697	15.1	29.03	0
10/7/20 19:13	3.088	90.5	3.787	15	29.03	0
10/7/20 19:28	3.866	97.9	5.047	15.31	29.03	0
10/7/20 19:36	4.256	92.2	5.392	15.39	29.03	0
10/7/20 19:48	4.963	110.2	10.68	16.08	29.05	0
10/7/20 20:05	3.993	133.6	8.8	16.3	29.05	0
10/7/20 20:15	4.252	146.9	7.067	16.45	29.05	0
10/7/20 20:30	3.53	164.6	9.16	15.54	29.05	0
10/7/20 20:53	3.942	191	13.39	14.98	29.02	0
10/7/20 21:09	3.945	182.1	11.36	15.07	29.02	0
10/7/20 21:15	2.382	157.8	9.72	15.12	29.02	0
10/7/20 21:37	2.464	163.4	17.21	14.65	29.02	0
10/7/20 21:45	3.128	123.6	11.2	15.08	29.05	0
10/7/20 22:02	1.581	90.5	2.842	14.81	29.05	0
10/7/20 22:29	2.902	150.6	15.3	15.12	29.05	0
10/7/20 22:42	4.188	154.7	7.094	15.63	29.05	0
10/7/20 22:48	4.919	163	8.18	15.61	29.04	0
10/7/20 23:03	3.721	149	7.54	15.53	29.04	0
10/7/20 23:18	3.758	125.3	4.546	15.5	29.04	0
10/7/20 23:34	3.479	126.7	7.591	15.53	29.04	0
10/7/20 23:56	3.743	130.2	6.335	15.69	29.06	0
10/8/20 0:08	4.229	139.2	7.24	15.61	29.06	0
10/8/20 0:15	3.67	135.4	7.512	15.6	29.06	0
10/8/20 0:38	3.245	117.4	8.36	15.78	29.06	0
10/8/20 1:00	3.823	118.7	5.653	15.9	29.04	0
10/8/20 1:02	3.949	124.7	11.58	15.96	29.04	0
10/8/20 1:22	4.203	167.1	20.76	15.71	29.04	0
10/8/20 1:44	4.119	173.2	17.01	15.14	29.04	0
10/8/20 1:45	4.7	171.4	6.803	15.37	29.04	0
10/8/20 2:01	4.67	167.5	7.46	15.34	29.04	0
10/8/20 2:17	4.495	174	9.45	15.29	29.04	0
10/8/20 2:44	4.705	203.6	8.86	15.31	29.04	0
10/8/20 2:59	5.391	240.6	9	14.9	29.05	0
10/8/20 3:10	7.07	248.6	3.717	14.17	29.05	0
10/8/20 3:23	5.605	236.2	5.297	13.99	29.05	0
10/8/20 3:35	5.713	243.1	6.054	13.81	29.05	0
10/8/20 3:48	6.826	251	9.85	13.49	29.04	0
10/8/20 4:03	6.799	260	6.292	13.06	29.04	0
10/8/20 4:15	5.73	253.5	4.738	12.93	29.04	0
10/8/20 4:41	6.681	258.6	5.745	12.81	29.04	0
10/8/20 4:46	4.864	253.3	5.788	12.68	29.05	0
10/8/20 5:14	3.557	228	16.48	12.71	29.05	0
10/8/20 5:15	5.037	205.3	5.722	12.7	29.05	0
10/8/20 5:36	5.21	229.4	6.266	12.69	29.05	0
10/8/20 5:52	5.395	210.7	6.008	12.67	29.06	0
10/8/20 6:01	4.814	217.1	5.447	12.66	29.06	0
10/8/20 6:22	4.803	213.3	9.35	12.74	29.06	0
10/8/20 6:40	4.211	192.5	9.08	12.78	29.06	0
10/8/20 6:46	3.919	207.8	7.963	12.79	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
10/8/20 7:09	3.509	186.1	11.52	12.8	29.08	0
10/8/20 7:28	3.594	177.3	15.18	12.83	29.08	0
10/8/20 7:44	3.908	183	9.63	12.84	29.08	0
10/8/20 7:59	4.748	175.2	9.85	12.86	29.09	0
10/8/20 8:00	5.472	170.1	9.48	12.85	29.09	0
10/8/20 8:23	6.973	178.3	13.04	12.8	29.09	0.01
10/8/20 8:41	5.885	198.9	10.51	12.82	29.09	0
10/8/20 8:56	5.397	186.4	18.28	12.82	29.1	0
10/8/20 9:08	4.647	184.3	9.16	12.93	29.1	0
10/8/20 9:22	5.532	165.4	10.53	12.9	29.1	0
10/8/20 9:33	5.291	169.2	8.08	12.74	29.1	0
10/8/20 9:57	5.018	168.8	10.17	12.81	29.1	0
10/8/20 10:14	5.263	149.5	16.7	12.92	29.1	0
10/8/20 10:17	6.397	158.8	13.87	12.92	29.1	0
10/8/20 10:42	6.884	153.6	12.81	12.95	29.1	0
10/8/20 10:47	6.601	169.7	9.45	12.96	29.11	0
10/8/20 11:00	4.161	173.6	13.1	13.23	29.11	0
10/8/20 11:21	5.93	161	19.1	13.56	29.11	0
10/8/20 11:40	6.796	145	18.37	14.49	29.11	0
10/8/20 11:57	7.845	135.1	11.65	14.57	29.11	0
10/8/20 12:04	7.83	141.3	13.72	15.04	29.11	0
10/8/20 12:25	6.777	115	23.12	15.24	29.11	0
10/8/20 12:36	6.695	120.9	11.63	15.7	29.11	0
10/8/20 12:53	7.092	142.8	12.52	16.59	29.11	0
10/8/20 13:12	7.058	151.8	28.35	16.23	29.11	0
10/8/20 13:21	5.018	171.2	14.96	16.24	29.11	0
10/8/20 13:37	3.968	134	18.43	16.35	29.11	0
10/8/20 13:58	4.53	130.2	13.74	16.5	29.1	0
10/8/20 14:11	5.282	132	10.19	16.47	29.1	0
10/8/20 14:22	3.71	108.5	22.38	16.79	29.1	0
10/8/20 14:39	2.997	132.1	19.09	16.78	29.1	0
10/8/20 14:47	2.405	160.2	34.17	16.68	29.09	0
10/8/20 15:07	3.573	128.4	12.02	16.46	29.09	0
10/8/20 15:19	2.74	131	11.78	16.36	29.09	0
10/8/20 15:32	2.474	85	20.1	16.46	29.09	0
10/8/20 15:51	2.746	83	14.05	16.38	29.1	0
10/8/20 16:01	1.896	147.7	65.24	16.4	29.1	0
10/8/20 16:24	4.518	243.9	10.07	16.46	29.1	0
10/8/20 16:31	4.86	230.5	9.4	16.33	29.1	0
10/8/20 16:58	4.551	232.1	6.261	16.26	29.1	0
10/8/20 17:14	4.853	243	6.39	16.12	29.1	0
10/8/20 17:24	6.319	249.9	9.49	15.98	29.1	0
10/8/20 17:44	4.61	240.4	10.14	15.88	29.1	0
10/8/20 17:53	5.469	228.6	8.95	15.85	29.1	0
10/8/20 18:03	4.008	223.1	7.297	15.84	29.1	0
10/8/20 18:18	2.737	232.9	9.32	15.83	29.1	0
10/8/20 18:38	2.897	227	23.33	15.64	29.1	0
10/8/20 18:46	2.121	146.4	35.69	15.32	29.09	0
10/8/20 19:04	0.744	120.8	12.15	15.23	29.09	0
10/8/20 19:21	2.696	175	22.56	15.33	29.09	0
10/8/20 19:42	4.216	127.8	6.352	14.98	29.09	0
10/8/20 19:51	6.048	137.9	5.156	14.97	29.11	0
10/8/20 20:02	5.74	137.2	3.754	14.8	29.11	0
10/8/20 20:29	6.244	138.8	5.138	14.68	29.11	0
10/8/20 20:30	6.683	143.2	4.388	14.58	29.11	0
10/8/20 20:48	6.048	136.5	4.602	14.43	29.11	0
10/8/20 21:14	6.139	137.7	4.803	14.45	29.11	0
10/8/20 21:18	6.21	148.6	7.126	14.53	29.11	0
10/8/20 21:42	6.547	156.7	9.09	14.54	29.11	0
10/8/20 21:49	6.429	168.5	6.887	14.27	29.11	0
10/8/20 22:00	5.76	171.1	7.755	14.1	29.11	0
10/8/20 22:27	4.839	178.1	4.949	13.98	29.11	0
10/8/20 22:30	4.21	173.7	9.59	13.96	29.11	0
10/8/20 22:49	3.616	158.9	7.965	13.91	29.08	0
10/8/20 23:02	3.127	159.9	5.348	13.86	29.08	0
10/8/20 23:27	3.069	172.1	5.554	13.96	29.08	0
10/8/20 23:33	3.335	167	4.865	13.98	29.08	0
10/8/20 23:58	3.521	149.8	16.6	13.79	29.11	0
10/9/20 0:08	4.173	135.3	6.427	13.72	29.11	0
10/9/20 0:22	3.811	135.3	9.7	13.72	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
10/9/20 0:37	4.043	133.4	8.34	13.73	29.11	0
10/9/20 0:49	3.196	116.2	10.31	13.75	29.1	0
10/9/20 1:10	3.295	132	5.585	13.77	29.1	0
10/9/20 1:24	3.344	126.5	4.221	13.77	29.1	0
10/9/20 1:34	3.04	139.8	7.705	13.78	29.1	0
10/9/20 1:52	3.436	126.8	7.222	13.79	29.07	0
10/9/20 2:13	2.37	165.8	19.59	13.9	29.07	0
10/9/20 2:15	2.574	167.2	9.72	14.03	29.07	0
10/9/20 2:39	2.107	166.5	10.85	14.05	29.07	0
10/9/20 2:50	2.555	169.1	7.892	14.07	29.09	0
10/9/20 3:13	2.136	178.8	32.44	14.04	29.09	0
10/9/20 3:24	1.663	212.6	27.34	14.12	29.09	0
10/9/20 3:34	2.76	155.7	10.53	13.83	29.09	0
10/9/20 3:53	3.758	141.6	6.625	13.57	29.09	0
10/9/20 4:08	5.04	138.6	7.015	13.49	29.09	0
10/9/20 4:21	4.567	131	4.828	13.55	29.09	0
10/9/20 4:41	3.93	129	5.584	13.69	29.09	0
10/9/20 4:48	4.24	134.9	6.38	13.7	29.09	0
10/9/20 5:11	5.165	125.9	5.555	13.75	29.09	0
10/9/20 5:28	5.279	128.2	7.008	13.78	29.09	0
10/9/20 5:31	4.67	131.2	8.28	13.82	29.09	0
10/9/20 5:57	4.607	138.5	7.236	13.88	29.06	0
10/9/20 6:01	5.423	134	5.746	13.83	29.06	0
10/9/20 6:16	5.125	129.5	5.763	13.77	29.06	0
10/9/20 6:34	4.998	131.8	6.814	13.67	29.06	0
10/9/20 6:45	4.291	140	14.44	13.91	29.05	0
10/9/20 7:08	3.551	194.4	11.16	14.1	29.05	0
10/9/20 7:17	3.739	213.4	11.17	13.92	29.05	0
10/9/20 7:44	3.653	194.2	13.12	13.97	29.05	0
10/9/20 7:57	3.927	193.4	15.84	13.82	29.06	0
10/9/20 8:06	3.507	155.4	16.34	13.76	29.06	0
10/9/20 8:29	2.683	125.2	11.75	14.37	29.06	0
10/9/20 8:42	4.257	142.9	11.77	15.36	29.06	0
10/9/20 8:57	4.201	149.6	12.59	15.68	29.04	0
10/9/20 9:05	4.734	146.2	21.48	16.09	29.04	0
10/9/20 9:26	3.555	159.7	17.06	16.9	29.04	0
10/9/20 9:42	4.562	148.9	13.03	17.51	29.04	0
10/9/20 9:49	4.466	193.4	28.17	17.26	29.05	0
10/9/20 10:02	3.912	173.1	25.72	17.42	29.05	0
10/9/20 10:26	5.188	197.4	29.3	17.2	29.05	0
10/9/20 10:40	4.52	229.5	28.54	17.35	29.05	0
10/9/20 10:50	6.332	216.5	18.37	17.42	29.05	0
10/9/20 11:12	5.627	218.8	12.4	17.01	29.05	0
10/9/20 11:25	5.299	226.7	18.84	17.4	29.05	0
10/9/20 11:43	5.815	225	22.78	17.34	29.05	0
10/9/20 11:56	5.154	225.4	13.76	17.25	29.02	0
10/9/20 12:13	7.514	212.9	13.84	17.56	29.02	0
10/9/20 12:20	8.46	228.7	14.91	17.73	29.02	0
10/9/20 12:38	6.942	202.3	13.56	17.98	29.02	0
10/9/20 12:47	9.2	195	14.95	17.93	29	0
10/9/20 13:00	5.351	228.5	27.85	17.73	29	0
10/9/20 13:20	3.881	210.1	35.48	18.08	29	0
10/9/20 13:43	3.688	202.9	32.51	18.3	29	0
10/9/20 13:45	3.127	146.4	56.5	18.67	28.98	0
10/9/20 14:14	4.667	178.2	40.38	19.25	28.98	0
10/9/20 14:17	6.411	193	11.06	18.81	28.98	0
10/9/20 14:31	6.662	186.7	9.02	18.75	28.98	0
10/9/20 14:57	6.217	208	36.48	18.68	28.95	0
10/9/20 15:13	8.1	280.7	7.847	18.29	28.95	0
10/9/20 15:20	7.471	281.9	9.1	18.03	28.95	0
10/9/20 15:41	5.542	263.5	13.3	17.88	28.95	0
10/9/20 15:49	4.508	226.9	12.17	17.94	28.95	0
10/9/20 16:07	3.272	197.1	18.49	18.11	28.95	0
10/9/20 16:16	2.488	114.4	25.41	17.96	28.95	0
10/9/20 16:45	0.753	123.5	15.32	17.52	28.95	0
10/9/20 16:48	3.253	180.8	19.5	17.51	28.95	0
10/9/20 17:01	2.67	231.8	25.34	17.72	28.95	0
10/9/20 17:15	1.9	281.1	74.69	17.44	28.95	0
10/9/20 17:43	0.608	58.02	14.46	17.26	28.95	0
10/9/20 17:58	3.088	131	16.56	16.94	28.93	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/9/20 18:09	4.613	139.7	6.446	16.99	28.93	0
10/9/20 18:27	4.86	146.9	7.532	16.98	28.93	0
10/9/20 18:31	4.377	149.8	9.16	16.96	28.93	0
10/9/20 18:58	4.344	168.1	14.18	17.01	28.91	0
10/9/20 19:09	7.333	154.5	6.627	16.84	28.91	0
10/9/20 19:15	5.521	145	13.74	16.93	28.91	0
10/9/20 19:34	5.651	174	17.08	16.85	28.91	0
10/9/20 19:48	5.439	160	11.78	16.39	28.88	0
10/9/20 20:10	5.293	139.6	6.467	16.18	28.88	0.01
10/9/20 20:17	5.48	156.8	8.59	15.88	28.88	0
10/9/20 20:39	2.967	186.8	25.35	15.91	28.88	0.01
10/9/20 20:58	4.749	214.6	11.62	15.8	28.87	0
10/9/20 21:00	4.34	228.5	13.83	15.65	28.87	0
10/9/20 21:25	5.154	211.5	10.48	15.63	28.87	0.01
10/9/20 21:38	6.644	236.4	23.4	15.22	28.87	0.01
10/9/20 21:47	7.008	264.6	8.52	14.39	28.86	0.01
10/9/20 22:10	6.782	255.2	10.14	14.22	28.86	0.02
10/9/20 22:29	6.622	226.2	16.15	14.11	28.86	0.06
10/9/20 22:43	10.06	228.3	9.54	14.07	28.86	0.07
10/9/20 22:47	8.42	217.4	11.63	14.06	28.87	0.09
10/9/20 23:10	13.9	227.1	9.73	14.19	28.87	0.11
10/9/20 23:18	13.08	230.9	8.25	14.12	28.87	0.13
10/9/20 23:35	16.06	241.5	8.29	14.03	28.87	0.16
10/9/20 23:55	13.52	227.6	10.26	13.9	28.86	0.13
10/10/20 0:02	10.44	231.4	9.41	13.85	28.86	0.04
10/10/20 0:18	9.39	221.6	7.968	13.83	28.86	0.02
10/10/20 0:40	8.09	201.6	13.16	13.84	28.86	0
10/10/20 0:54	7.988	182.8	9.76	13.79	28.83	0.01
10/10/20 1:04	7.479	177.8	8.52	13.82	28.83	0
10/10/20 1:24	7.123	190.2	13.13	13.83	28.83	0.02
10/10/20 1:44	5.512	176.7	10.72	13.71	28.83	0.05
10/10/20 1:59	7.963	193.9	21.73	13.53	28.81	0.1
10/10/20 2:01	7.752	199.3	18.15	13.28	28.81	0.16
10/10/20 2:26	8.02	212.4	23.98	12.87	28.81	0.11
10/10/20 2:30	7.008	206.4	17.26	12.65	28.81	0.02
10/10/20 2:56	3.283	145.6	49.76	12.44	28.79	0
10/10/20 3:14	4.018	138.3	13.79	12.4	28.79	0.01
10/10/20 3:28	10.01	146.5	8.92	12.81	28.79	0.02
10/10/20 3:37	10.96	154.9	10.31	12.82	28.79	0.02
10/10/20 3:51	8.01	141.1	11.21	12.62	28.76	0.04
10/10/20 4:12	9.6	132.1	10.9	12.34	28.76	0.02
10/10/20 4:29	10.45	136.8	10.35	12.13	28.76	0.01
10/10/20 4:43	10.94	143.2	12.7	12.2	28.76	0
10/10/20 4:51	10.59	149	7.262	12.29	28.73	0.02
10/10/20 5:00	9.16	159.6	17.01	12.34	28.73	0.01
10/10/20 5:18	8.73	180	8.82	12.32	28.73	0.05
10/10/20 5:41	10.3	178.8	9.51	12.26	28.73	0.02
10/10/20 5:58	14.11	176.7	8.18	12.27	28.74	0.01
10/10/20 6:14	15.51	180.6	8.86	12.16	28.74	0.03
10/10/20 6:15	17.61	180.8	8.81	11.98	28.74	0.03
10/10/20 6:37	15.64	187.9	8.9	11.9	28.74	0.03
10/10/20 6:56	13.45	197.3	12.12	11.96	28.79	0.01
10/10/20 7:00	13.73	186.2	9.51	11.95	28.79	0.01
10/10/20 7:16	13.59	176.1	9.34	11.84	28.79	0
10/10/20 7:33	13.55	178.4	9.16	11.77	28.79	0.01
10/10/20 7:59	15.54	183	9.36	11.69	28.8	0.02
10/10/20 8:00	15.5	187.2	8.62	11.58	28.8	0
10/10/20 8:17	14.17	176.9	8.11	11.43	28.8	0.01
10/10/20 8:36	11.46	175.8	11.02	11.26	28.8	0
10/10/20 8:49	10.15	158.3	13.45	11.18	28.79	0
10/10/20 9:08	10.65	169.2	12.78	11.31	28.79	0
10/10/20 9:18	10.51	168.7	12.1	11.11	28.79	0
10/10/20 9:34	9.9	150.9	10.88	11.01	28.79	0
10/10/20 9:53	10.64	153.2	12.78	11.13	28.84	0
10/10/20 10:07	12.67	162.7	12.2	11.15	28.84	0
10/10/20 10:17	13.54	166.4	9.65	11.23	28.84	0.01
10/10/20 10:42	13.6	166.7	12.03	11.38	28.84	0
10/10/20 10:48	13.14	179.9	13.85	11.4	28.87	0
10/10/20 11:11	12.58	186.6	14.76	11.42	28.87	0
10/10/20 11:27	12.87	177.3	11.43	11.54	28.87	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/10/20 11:34	13.94	163.8	12.29	11.66	28.87	0
10/10/20 11:46	10.51	167.7	13.7	11.89	28.86	0
10/10/20 12:01	9.33	184.6	15.31	12.37	28.86	0
10/10/20 12:19	12.06	194.3	14.52	12.82	28.86	0
10/10/20 12:36	14.88	196.1	9.91	13.18	28.86	0
10/10/20 12:55	12.02	218.2	18.36	12.97	28.9	0
10/10/20 13:05	14.54	212.3	9.52	13.05	28.9	0
10/10/20 13:16	12.06	215	11.97	13.64	28.9	0
10/10/20 13:41	12.84	219.7	11.85	13.98	28.9	0
10/10/20 13:59	15.6	219.2	11.36	13.65	28.92	0
10/10/20 14:12	14.13	221.8	12.53	13.85	28.92	0
10/10/20 14:18	16.47	214.4	10.83	13.87	28.92	0
10/10/20 14:31	12.94	223.8	11.24	13.84	28.92	0
10/10/20 14:47	13.23	209.5	9.6	14.3	28.95	0
10/10/20 15:05	14.68	216.7	11.94	13.91	28.95	0
10/10/20 15:25	15.48	219.5	12.45	13.55	28.95	0
10/10/20 15:30	15.17	217.5	10.66	13.35	28.95	0
10/10/20 15:56	11.09	212.9	9.58	13.1	28.96	0
10/10/20 16:05	8.87	219.2	11.99	13.48	28.96	0
10/10/20 16:19	9.71	218.5	10.63	13.13	28.96	0
10/10/20 16:36	11.03	225.4	13.04	13.17	28.96	0
10/10/20 16:54	7.854	256.6	17.46	13.22	29	0
10/10/20 17:11	8.88	237.7	16.95	13.05	29	0
10/10/20 17:23	10.36	227.9	13.33	12.53	29	0
10/10/20 17:30	11.03	213.2	11.3	12.14	29	0
10/10/20 17:59	9.78	213.4	7.367	11.84	29.03	0
10/10/20 18:13	9.32	200.9	6.395	11.51	29.03	0
10/10/20 18:18	9.23	192.8	8.97	11.2	29.03	0
10/10/20 18:30	5.682	166.5	14.85	10.68	29.03	0
10/10/20 18:53	7.076	180.1	13.96	10.66	29.03	0
10/10/20 19:03	4.933	149.7	15.96	10.21	29.03	0
10/10/20 19:17	4.521	140.8	12.93	10.06	29.03	0
10/10/20 19:44	6.256	170.5	18.75	10.05	29.03	0
10/10/20 19:45	6.833	167.8	16.96	10.46	29.07	0
10/10/20 20:09	5.106	152.6	12.21	10.09	29.07	0
10/10/20 20:21	5.714	174.5	8.36	10.17	29.07	0
10/10/20 20:38	6.215	166.9	11.15	10.01	29.07	0
10/10/20 20:57	6.736	171.8	9.12	10.19	29.08	0
10/10/20 21:09	7.872	173.9	7.89	10.32	29.08	0
10/10/20 21:26	8.7	179.2	6.622	10.51	29.08	0
10/10/20 21:40	7.701	177.9	10.91	10.6	29.08	0
10/10/20 21:57	8.68	185.8	11.14	10.66	29.08	0
10/10/20 22:02	9.89	178.4	12.1	10.48	29.08	0
10/10/20 22:17	9.92	178.7	10.31	10.4	29.08	0
10/10/20 22:34	7.807	171.8	12.54	10.31	29.08	0
10/10/20 22:56	8.6	169.8	10.81	10.16	29.12	0
10/10/20 23:11	8.98	166.4	12.11	9.93	29.12	0
10/10/20 23:29	9.22	166.2	8.99	9.72	29.12	0
10/10/20 23:35	7.276	149	15.14	9.51	29.12	0
10/11/20 0:00	5.597	135.8	11.88	9.33	29.13	0
10/11/20 0:00	6.307	151.2	9.79	9.24	29.13	0
10/11/20 0:23	5.676	159	13.66	9.21	29.13	0
10/11/20 0:35	5.544	154.7	12.59	9.04	29.13	0
10/11/20 0:50	6.099	165.2	11.54	9.01	29.14	0
10/11/20 1:04	5.598	159.2	17.32	8.96	29.14	0
10/11/20 1:22	6.989	143.8	7.802	8.78	29.14	0
10/11/20 1:38	6.21	139.4	9.02	8.71	29.14	0
10/11/20 1:59	5.033	143.4	10	8.75	29.15	0
10/11/20 2:05	5.48	143.5	7.939	8.74	29.15	0
10/11/20 2:28	5.171	141.4	9.67	8.73	29.15	0
10/11/20 2:33	5.609	142.7	10.5	8.76	29.15	0
10/11/20 2:55	4.365	132.1	8.82	8.77	29.16	0
10/11/20 3:14	5.061	147.8	7.735	8.72	29.16	0
10/11/20 3:16	3.77	138.5	10.03	8.63	29.16	0
10/11/20 3:33	3.677	125.2	8.8	8.68	29.16	0
10/11/20 3:55	5.759	144.1	10.91	8.87	29.17	0
10/11/20 4:11	5.709	143.5	17.01	9.03	29.17	0
10/11/20 4:17	4.316	163.6	12.86	9.15	29.17	0
10/11/20 4:42	2.937	134.7	14.14	8.97	29.17	0
10/11/20 4:49	4.799	169.4	8.94	9.29	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
10/11/20 5:00	3.595	161.7	8.8	9.32	29.19	0
10/11/20 5:15	2.05	147.4	12.69	9.5	29.19	0
10/11/20 5:43	1.45	125.7	9.91	9.48	29.19	0
10/11/20 5:54	2.024	151	16.25	9.58	29.22	0
10/11/20 6:11	3.07	138.4	11.89	9.62	29.22	0
10/11/20 6:27	4.85	141.6	6.452	9.6	29.22	0
10/11/20 6:36	5.094	133.3	5.519	9.6	29.22	0
10/11/20 6:53	4.565	141.5	7.239	9.37	29.23	0
10/11/20 7:14	4.613	141.9	7.345	9.46	29.23	0
10/11/20 7:26	6.475	145.8	8.7	9.96	29.23	0
10/11/20 7:34	6.371	152.4	7.294	10.07	29.23	0
10/11/20 7:51	5.531	161	13.18	10.19	29.22	0
10/11/20 8:14	5.188	160.9	8.48	10.33	29.22	0
10/11/20 8:15	5.248	146.6	5.567	10.47	29.22	0
10/11/20 8:41	5.005	137.9	10.78	10.77	29.22	0
10/11/20 8:46	4.063	131.7	9.77	10.92	29.2	0
10/11/20 9:00	3.97	126.1	7.008	11.05	29.2	0
10/11/20 9:24	4.041	121.6	10.7	11.42	29.2	0
10/11/20 9:44	5.643	133.2	11.99	11.64	29.2	0
10/11/20 9:48	7.054	157.4	10.7	11.7	29.19	0
10/11/20 10:12	7.048	148.2	10.75	11.48	29.19	0
10/11/20 10:19	7.495	168	10.54	11.42	29.19	0
10/11/20 10:44	7.441	172.3	9.95	11.31	29.19	0
10/11/20 10:45	8.88	172.6	8.86	11.27	29.19	0.01
10/11/20 11:03	7.248	160.1	11.2	11.2	29.19	0
10/11/20 11:15	6.53	140.1	14.62	11.22	29.19	0
10/11/20 11:37	6.184	119.7	10.81	11.21	29.19	0
10/11/20 11:59	7.767	124.9	8.78	11.13	29.14	0.01
10/11/20 12:06	9.16	125.1	9.25	11.1	29.14	0
10/11/20 12:18	9.29	133.7	8.28	11.11	29.14	0.01
10/11/20 12:42	8.99	125.4	8.77	10.95	29.14	0
10/11/20 12:55	10.77	127.6	8.69	10.6	29.07	0.02
10/11/20 13:07	11.37	124.7	8.28	10.43	29.07	0.02
10/11/20 13:22	11.85	122.6	9.31	10.31	29.07	0.01
10/11/20 13:35	11.3	128.2	10.03	10.4	29.07	0.02
10/11/20 13:52	12.33	128.1	9.76	10.5	29.03	0.01
10/11/20 14:10	12.82	132.2	9.27	10.6	29.03	0.01
10/11/20 14:22	11.12	130.7	8.89	10.56	29.03	0.01
10/11/20 14:38	12.6	125.9	8.94	10.58	29.03	0.02
10/11/20 14:59	14.42	125.7	8.06	10.84	28.96	0.01
10/11/20 15:12	13.44	131.6	9.91	11.34	28.96	0.01
10/11/20 15:28	13.01	146	12.39	11.29	28.96	0.02
10/11/20 15:36	14.7	154.9	10.55	11.58	28.96	0
10/11/20 15:54	12.25	161.8	14.1	12.04	28.95	0.01
10/11/20 16:07	18.03	185.1	9.3	12.59	28.95	0.05
10/11/20 16:15	16.67	176.2	8.31	12.59	28.95	0.02
10/11/20 16:43	16.83	176.6	9.26	13.03	28.95	0.01
10/11/20 16:48	18.46	185.3	9.04	13.09	28.91	0.01
10/11/20 17:03	17.08	181.1	9.64	12.8	28.91	0.01
10/11/20 17:20	15.98	179.2	9.87	12.89	28.91	0.01
10/11/20 17:42	15.45	179.1	8.9	13.05	28.91	0.02
10/11/20 17:52	13.74	181.9	9.31	12.77	28.88	0.05
10/11/20 18:10	15.1	177.7	12.36	12.8	28.88	0.01
10/11/20 18:17	13.3	191.8	9.73	12.94	28.88	0.03
10/11/20 18:43	16.82	198.1	11.53	13.3	28.88	0.02
10/11/20 18:54	17.39	189.6	11.83	13.43	28.87	0.01
10/11/20 19:02	15.76	190.6	9.66	13.41	28.87	0.01
10/11/20 19:21	14.52	190.7	11.46	13.5	28.87	0.01
10/11/20 19:36	14.79	187.8	11.17	13.62	28.87	0
10/11/20 19:49	15.74	196.7	11.9	13.71	28.88	0.02
10/11/20 20:13	15.86	211.4	10.82	13.71	28.88	0
10/11/20 20:16	15.58	204.2	11.33	13.89	28.88	0
10/11/20 20:36	12.17	191.2	15.03	13.81	28.88	0
10/11/20 20:57	9.84	176.5	13.21	13.73	28.92	0
10/11/20 21:09	10.3	176.1	9.71	13.63	28.92	0
10/11/20 21:28	13.05	178.2	9.14	13.59	28.92	0
10/11/20 21:36	14.65	180.2	10.17	13.64	28.92	0
10/11/20 21:54	14.61	185.7	9.54	13.48	28.95	0
10/11/20 22:04	15.37	180	9.3	13.47	28.95	0
10/11/20 22:26	15.28	181.7	8.16	13.3	28.95	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
10/11/20 22:44	15.85	178.4	7.693	13.16	28.95	0
10/11/20 22:52	17.04	174.4	8.34	13.11	28.95	0
10/11/20 23:14	18.26	176.8	9.9	12.98	28.95	0
10/11/20 23:26	21.88	186.2	8.65	13.03	28.95	0
10/11/20 23:39	19.99	184.7	10.04	12.93	28.95	0
10/11/20 23:50	24.58	196.9	8.27	12.91	28.97	0
10/12/20 0:02	23.05	205	9.12	12.57	28.97	0
10/12/20 0:19	24.49	201.9	9.85	12.31	28.97	0
10/12/20 0:42	16.76	195.8	10.87	12.1	28.97	0
10/12/20 0:49	14.47	189.3	10.81	11.95	29.06	0
10/12/20 1:11	13.05	188.9	12.29	11.89	29.06	0
10/12/20 1:16	14.56	188.5	12.5	11.89	29.06	0
10/12/20 1:32	15.46	198.3	13.19	11.87	29.06	0
10/12/20 1:50	14.25	191.3	11.28	11.84	29.09	0
10/12/20 2:08	13.85	191	10.9	11.78	29.09	0
10/12/20 2:20	15.65	197.4	10.62	11.75	29.09	0
10/12/20 2:37	14.73	194.4	8.87	11.72	29.09	0
10/12/20 2:58	15.7	198.4	10.18	11.68	29.11	0
10/12/20 3:08	16.09	194.7	8.54	11.61	29.11	0
10/12/20 3:15	14.03	196.9	9.84	11.57	29.11	0
10/12/20 3:39	15	195.8	11.17	11.55	29.11	0
10/12/20 3:53	15.66	198.2	7.748	11.51	29.16	0
10/12/20 4:03	14.54	197	9.28	11.46	29.16	0
10/12/20 4:24	15.58	200.6	8.87	11.41	29.16	0
10/12/20 4:44	15.52	197.1	9.02	11.4	29.16	0
10/12/20 4:51	16.47	198	9.01	11.36	29.21	0
10/12/20 5:09	15.94	201.2	8.86	11.27	29.21	0
10/12/20 5:27	14.83	204	9.4	11.18	29.21	0
10/12/20 5:30	13.01	206	10.98	11.1	29.21	0
10/12/20 5:45	12.28	204.8	8.28	11.04	29.24	0
10/12/20 6:14	13.85	203	8.81	10.97	29.24	0
10/12/20 6:15	11.69	201.1	8.38	10.89	29.24	0
10/12/20 6:31	12.49	200.7	8.86	10.82	29.24	0
10/12/20 6:58	10.99	196.5	10.11	10.77	29.28	0
10/12/20 7:14	10.41	191.4	9.74	10.73	29.28	0
10/12/20 7:15	10.55	198	10.52	10.68	29.28	0
10/12/20 7:37	12.09	188.8	9.74	10.63	29.28	0
10/12/20 7:59	11.37	185	9.58	10.62	29.3	0
10/12/20 8:06	12.72	185.7	9.6	10.66	29.3	0
10/12/20 8:17	12.58	188	10.38	10.76	29.3	0
10/12/20 8:44	12.76	184.5	9.53	10.93	29.3	0
10/12/20 8:48	11.68	186.4	11.11	11.07	29.35	0
10/12/20 9:04	11.67	188.2	10.43	11.3	29.35	0
10/12/20 9:28	12	187.3	10.42	11.78	29.35	0
10/12/20 9:34	12.77	189.8	9.25	12.2	29.35	0
10/12/20 9:55	12.95	189.6	9.86	11.7	29.37	0
10/12/20 10:01	12.71	186.4	8.13	12.02	29.37	0
10/12/20 10:29	9.69	194.7	10.49	11.59	29.37	0
10/12/20 10:30	8.95	194.6	10.59	11.86	29.37	0
10/12/20 10:47	10.5	189.2	11.02	12.6	29.39	0
10/12/20 11:13	8.36	226.1	14.09	12.54	29.39	0
10/12/20 11:29	11.63	226	12.05	13.25	29.39	0
10/12/20 11:34	11.06	209.8	17.43	13.7	29.39	0
10/12/20 11:49	9.82	243.9	10.26	13.16	29.37	0
10/12/20 12:12	7.683	237.2	12.15	13.13	29.37	0
10/12/20 12:24	9.5	211.5	20.49	13.34	29.37	0
10/12/20 12:31	7.772	231.3	13.98	13.49	29.37	0
10/12/20 12:50	8.25	255.6	9.01	13.48	29.38	0
10/12/20 13:13	7.482	256.1	13.49	13.42	29.38	0
10/12/20 13:26	9.66	239.1	15.19	13.58	29.38	0
10/12/20 13:44	10.49	223.2	13.51	13.91	29.38	0
10/12/20 13:57	10.51	226.3	10.96	14.24	29.39	0
10/12/20 14:10	11.98	229.6	11.36	14.3	29.39	0
10/12/20 14:15	9.88	220.7	10.19	14.23	29.39	0
10/12/20 14:34	9.46	223.6	14.93	14.37	29.39	0
10/12/20 14:46	10.14	232.9	10.88	14.35	29.38	0
10/12/20 15:06	7.037	245.3	14.93	14.44	29.38	0
10/12/20 15:26	6.224	219.6	17.56	14.52	29.38	0
10/12/20 15:33	8.1	218.2	23.47	14.37	29.38	0
10/12/20 15:50	8.35	240.7	12.09	14.43	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
10/12/20 16:00	7.006	215.1	9.07	14.21	29.37	0
10/12/20 16:15	6.35	237	17.55	14.18	29.37	0
10/12/20 16:31	3.749	241.9	6.518	13.74	29.37	0
10/12/20 16:54	3.949	232	8.37	13.49	29.33	0
10/12/20 17:00	3.612	247.7	9.67	13.25	29.33	0
10/12/20 17:29	2.922	252.8	5.849	12.98	29.33	0
10/12/20 17:34	3.059	237.5	3.301	12.75	29.33	0
10/12/20 17:54	3.071	236.2	4.636	12.58	29.33	0
10/12/20 18:01	2.418	179.3	67.36	12.03	29.33	0
10/12/20 18:18	2.525	107.4	10.15	10.87	29.33	0
10/12/20 18:44	3.87	131.7	9.16	11.1	29.33	0
10/12/20 18:52	5.264	121.1	7.661	11	29.32	0
10/12/20 19:01	4.403	130.2	8.41	10.93	29.32	0
10/12/20 19:21	5.406	132.1	6.329	10.96	29.32	0
10/12/20 19:35	5.016	137.3	11.5	11.05	29.32	0
10/12/20 19:59	5.249	149.7	7.92	10.94	29.32	0
10/12/20 20:02	5.45	145.3	7.675	10.92	29.32	0
10/12/20 20:23	5.284	139.5	8.41	10.7	29.32	0
10/12/20 20:40	5.337	151.6	8.43	10.6	29.32	0
10/12/20 20:58	4.838	157.2	10.59	10.63	29.31	0
10/12/20 21:12	5.47	131.3	10.81	10.65	29.31	0
10/12/20 21:27	7.031	129.8	6.972	10.87	29.31	0
10/12/20 21:34	6.218	139.8	10.47	10.86	29.31	0
10/12/20 21:58	7.078	139.7	9.54	10.79	29.27	0
10/12/20 22:13	9.11	132.6	9.25	10.88	29.27	0
10/12/20 22:23	9.5	123.1	9.49	10.92	29.27	0
10/12/20 22:32	7.95	118.3	9.58	10.96	29.27	0
10/12/20 22:56	6.415	114.4	11.74	11.04	29.21	0
10/12/20 23:08	6.955	122.4	11.87	11.21	29.21	0
10/12/20 23:20	6.912	126.9	17.51	11.14	29.21	0
10/12/20 23:44	8.76	158.4	10.52	10.66	29.21	0
10/12/20 23:48	7.259	124	20.76	10.52	29.17	0
10/13/20 0:01	5.604	103.5	10.68	10.36	29.17	0
10/13/20 0:28	5.348	106	11.05	10.73	29.17	0
10/13/20 0:31	4.312	108.5	8.56	10.89	29.17	0
10/13/20 0:56	5.442	107	8.1	10.68	29.17	0
10/13/20 1:13	6.988	160.9	37.67	10.38	29.17	0
10/13/20 1:26	9.14	139.9	12.15	9.97	29.17	0.01
10/13/20 1:44	8.53	140.6	18.78	9.54	29.17	0
10/13/20 1:57	11.3	129.5	8.88	9.25	29.12	0.01
10/13/20 2:01	9.47	130.7	9.05	9.12	29.12	0
10/13/20 2:27	9.92	125.3	8.7	9.04	29.12	0
10/13/20 2:31	9.63	121.3	8.64	9.06	29.12	0.01
10/13/20 2:52	9.37	117	14.64	8.93	29.07	0.01
10/13/20 3:07	6.992	126.7	12.45	8.61	29.07	0.01
10/13/20 3:27	5.302	89.7	13.28	8.31	29.07	0.02
10/13/20 3:30	4.278	148.2	23.43	8.41	29.07	0.03
10/13/20 3:55	6.005	122.6	32.28	8.3	29.03	0.09
10/13/20 4:13	7.652	123.5	14.58	8.37	29.03	0.06
10/13/20 4:21	12.2	126.5	10.07	8.95	29.03	0.03
10/13/20 4:33	12.73	122.8	9.41	8.95	29.03	0.02
10/13/20 4:46	8.24	119.4	12.42	9.29	28.98	0.01
10/13/20 5:13	7.249	126.9	11.84	9.42	28.98	0.03
10/13/20 5:29	10.01	127.8	12.34	10.15	28.98	0.03
10/13/20 5:41	10.64	130.7	11.77	10.8	28.98	0
10/13/20 5:47	9.1	137.3	9.09	11.16	28.92	0.04
10/13/20 6:08	11.1	132.3	9.52	11.33	28.92	0.01
10/13/20 6:25	8.23	138.6	24.18	11.85	28.92	0
10/13/20 6:36	6.055	159.8	24.98	12.33	28.92	0.01
10/13/20 6:57	6.43	214.4	21.12	12.14	28.95	0.04
10/13/20 7:01	7.061	222.6	19.93	11.84	28.95	0.01
10/13/20 7:15	8.71	189.1	13.69	11.95	28.95	0
10/13/20 7:44	9.12	165.9	11.57	12.11	28.95	0
10/13/20 7:52	13.81	169.4	9.67	12.93	28.94	0
10/13/20 8:00	14.6	172.3	11.18	13.45	28.94	0
10/13/20 8:26	13.91	172.3	16.91	13.69	28.94	0
10/13/20 8:31	15.46	182.6	12.17	14.03	28.94	0
10/13/20 8:59	15.93	185.4	9.93	14.19	28.96	0
10/13/20 9:11	22.24	208.5	11.66	14.45	28.96	0
10/13/20 9:17	22.36	212.8	10.32	14.36	28.96	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/13/20 9:33	23.36	217.4	9.76	14.31	28.96	0
10/13/20 9:58	21.24	218.3	10.67	14.23	28.99	0
10/13/20 10:03	19.92	214.5	10.33	14.22	28.99	0
10/13/20 10:16	19.25	220.6	10.5	14.3	28.99	0
10/13/20 10:35	17.98	218.1	9.06	14.47	28.99	0
10/13/20 10:58	25.94	217.4	10.91	14.74	29.02	0
10/13/20 11:12	24.56	218.5	10.63	14.62	29.02	0
10/13/20 11:21	27.22	229.6	11.15	14.51	29.02	0
10/13/20 11:35	27.24	230.9	10.51	14.35	29.02	0
10/13/20 11:47	23.72	230.2	12.54	14.69	29.05	0
10/13/20 12:11	23.4	233.4	10.37	15	29.05	0
10/13/20 12:18	26.75	233	9.06	14.65	29.05	0
10/13/20 12:34	28.49	230.7	9.37	14.87	29.05	0
10/13/20 12:57	24.42	236.4	11.73	15.23	29.05	0
10/13/20 13:08	24.54	231.9	10.75	15.15	29.05	0
10/13/20 13:19	25	229.4	10.9	14.93	29.05	0
10/13/20 13:30	22.98	224.7	9.43	14.66	29.05	0
10/13/20 13:45	18.74	230.7	10.82	15.16	29.08	0
10/13/20 14:03	22.99	226.3	11.32	14.75	29.08	0
10/13/20 14:17	22.85	224	9.76	14.13	29.08	0
10/13/20 14:33	22.11	227	14.47	14.28	29.08	0
10/13/20 14:56	16.01	217.4	13.46	14.43	29.12	0
10/13/20 15:00	17.53	224.5	10.22	14.2	29.12	0
10/13/20 15:27	19.83	224.7	12.05	14.63	29.12	0
10/13/20 15:42	20.69	225.1	13.11	14.73	29.12	0
10/13/20 15:45	20.86	224.7	13.28	14.39	29.13	0
10/13/20 16:11	22.59	220.1	15.96	14.44	29.13	0
10/13/20 16:26	22.8	229.6	13.3	14.25	29.13	0
10/13/20 16:38	24.09	224	9.48	13.86	29.13	0
10/13/20 16:49	22.4	225.1	8.98	13.72	29.18	0
10/13/20 17:13	19.91	227	12.36	13.61	29.18	0
10/13/20 17:25	20.97	230.3	9.94	13.51	29.18	0
10/13/20 17:36	21.06	227.9	9.79	13.26	29.18	0
10/13/20 17:53	20.96	226.5	11.26	13	29.19	0
10/13/20 18:06	20.11	222.4	8.63	12.9	29.19	0
10/13/20 18:20	18.96	229.6	9.09	12.99	29.19	0
10/13/20 18:38	18.61	223.6	11.64	13.05	29.19	0
10/13/20 18:48	17.29	225.3	10.36	13	29.21	0
10/13/20 19:08	17.55	226.5	10.62	12.95	29.21	0
10/13/20 19:25	17.47	224.8	10.75	12.89	29.21	0
10/13/20 19:32	13.89	222.3	13.4	12.68	29.21	0
10/13/20 19:57	16.8	217.8	9.74	12.53	29.24	0
10/13/20 20:00	14.53	220	10.85	12.31	29.24	0
10/13/20 20:22	14.25	209.1	9.44	12.14	29.24	0
10/13/20 20:41	15.48	207.8	10.34	11.98	29.24	0
10/13/20 20:45	14.77	211.4	10.67	11.79	29.28	0
10/13/20 21:05	13.35	212.8	9.85	11.62	29.28	0
10/13/20 21:25	12.67	207.3	12.54	11.54	29.28	0
10/13/20 21:39	13.82	207.3	9.09	11.35	29.28	0
10/13/20 21:55	12.42	204.5	9.7	11.34	29.32	0
10/13/20 22:01	8.98	188.7	17.69	11.47	29.32	0
10/13/20 22:29	8.25	192.7	13.96	11.33	29.32	0
10/13/20 22:41	8.29	192.3	9.92	11.25	29.32	0
10/13/20 22:47	8.79	199.2	11.03	11.24	29.32	0
10/13/20 23:00	8.31	194.7	8.55	11.14	29.32	0
10/13/20 23:20	7.941	177.1	11.25	11.05	29.32	0
10/13/20 23:41	8.92	173.7	8.2	10.95	29.32	0
10/13/20 23:50	9.69	173.2	12.01	10.94	29.37	0
10/14/20 0:04	9.87	181.5	7.301	10.88	29.37	0
10/14/20 0:15	8.15	173.9	8.38	10.83	29.37	0
10/14/20 0:32	6.684	153.9	11.65	10.61	29.37	0
10/14/20 0:51	7.773	179.4	11.65	10.55	29.38	0
10/14/20 1:09	7.37	187.8	9.91	10.48	29.38	0
10/14/20 1:26	9.38	188.7	8.8	10.41	29.38	0
10/14/20 1:31	8.4	188.5	7.736	10.42	29.38	0
10/14/20 1:56	7.967	191.1	9.83	10.45	29.43	0
10/14/20 2:13	7.849	187.3	8.8	10.47	29.43	0
10/14/20 2:24	7.788	189.7	7.967	10.45	29.43	0
10/14/20 2:33	8.71	193.4	7.838	10.46	29.43	0
10/14/20 2:47	7.006	197.3	8.53	10.46	29.42	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/14/20 3:07	8.11	197.4	8.04	10.45	29.42	0
10/14/20 3:28	8.41	196.7	9.37	10.43	29.42	0
10/14/20 3:39	8.58	195.7	10.86	10.45	29.42	0
10/14/20 3:49	7.693	199.5	11.03	10.44	29.46	0
10/14/20 4:06	7.801	189.6	8.4	10.4	29.46	0
10/14/20 4:20	9.03	188.4	7.108	10.4	29.46	0
10/14/20 4:36	7.245	186.2	8.64	10.44	29.46	0
10/14/20 4:50	6.676	191	9.09	10.4	29.45	0
10/14/20 5:09	7.434	198	8.5	10.39	29.45	0
10/14/20 5:18	8.1	197.8	8.62	10.44	29.45	0
10/14/20 5:32	8.56	193.1	7.417	10.54	29.45	0
10/14/20 5:56	7.719	195.4	7.694	10.57	29.48	0
10/14/20 6:14	8.17	199.6	7.567	10.6	29.48	0
10/14/20 6:15	8.73	200.7	5.909	10.64	29.48	0
10/14/20 6:30	8.57	189.5	10.91	10.55	29.48	0
10/14/20 6:55	7.832	180.8	8.92	10.3	29.5	0
10/14/20 7:13	7.739	181.7	8.4	10.28	29.5	0
10/14/20 7:28	8.29	187.2	8.02	10.38	29.5	0
10/14/20 7:44	8.22	183.6	10.46	10.46	29.5	0
10/14/20 7:48	8.31	184.2	10.14	10.5	29.5	0
10/14/20 8:10	8.55	190.3	8.61	10.58	29.5	0
10/14/20 8:18	10	192.9	9.73	10.67	29.5	0
10/14/20 8:39	10.05	202.3	9.18	10.88	29.5	0
10/14/20 8:56	10.3	206.5	8.81	11	29.54	0
10/14/20 9:12	9.4	203.4	10.2	11.15	29.54	0
10/14/20 9:27	10.9	210.1	7.117	11.33	29.54	0
10/14/20 9:31	10.8	213.7	9	11.56	29.54	0
10/14/20 9:49	10.11	220.3	7.979	11.64	29.56	0
10/14/20 10:02	8.13	232.4	11.16	11.64	29.56	0
10/14/20 10:21	5.729	242.9	11.13	11.65	29.56	0
10/14/20 10:42	4.813	247.3	9.4	11.79	29.56	0
10/14/20 10:54	9.03	255.6	11.36	11.91	29.56	0
10/14/20 11:01	7.728	246.9	9.14	11.74	29.56	0
10/14/20 11:28	5.741	237.8	21.08	13.28	29.56	0
10/14/20 11:41	7.032	225.3	24.46	14.04	29.56	0
10/14/20 11:59	8.54	271.8	13.79	14.01	29.59	0
10/14/20 12:01	10.12	262.9	11.36	13.27	29.59	0
10/14/20 12:16	7.278	263.3	12.37	13.65	29.59	0
10/14/20 12:35	9.26	261.9	9.18	13.71	29.59	0
10/14/20 12:52	8.49	255.4	14.39	14.22	29.59	0
10/14/20 13:02	9.73	259	9.99	14.25	29.59	0
10/14/20 13:27	10.24	234.8	13	14.77	29.59	0
10/14/20 13:31	9.94	236.7	11.14	14.67	29.59	0
10/14/20 13:49	9.78	231.9	13.63	14.62	29.59	0
10/14/20 14:08	9.33	250.2	10.03	14.29	29.59	0
10/14/20 14:17	7.77	263.8	14.56	14.06	29.59	0
10/14/20 14:34	6.442	265.8	9.03	13.96	29.59	0
10/14/20 14:56	5.188	273.3	22.81	13.92	29.59	0
10/14/20 15:13	9.03	306.4	15.53	12.32	29.59	0.01
10/14/20 15:15	6.13	313.9	41.45	12.16	29.59	0.01
10/14/20 15:38	8.95	14.8	8.08	11.56	29.59	0
10/14/20 15:45	9.78	21.63	9.65	11.66	29.59	0
10/14/20 16:01	9.53	28.01	10.6	11.6	29.59	0
10/14/20 16:17	10.01	30.68	10.27	11.65	29.59	0
10/14/20 16:41	9.41	31.02	11.57	11.55	29.59	0
10/14/20 16:57	8.26	28.71	10.87	11.58	29.62	0
10/14/20 17:10	8.5	33	12.06	11.57	29.62	0
10/14/20 17:20	11.78	29.1	10.04	11.53	29.62	0
10/14/20 17:32	7.864	32	10.4	11.39	29.62	0
10/14/20 17:51	8.15	39.36	12.46	11.33	29.62	0
10/14/20 18:14	6.428	53.52	13.71	11.15	29.62	0
10/14/20 18:21	5.527	49.18	14.44	11.09	29.62	0
10/14/20 18:38	6.981	43.13	13.87	10.92	29.62	0
10/14/20 18:57	9.29	30.06	9.33	11.18	29.64	0
10/14/20 19:08	8.84	35.82	14.76	11.14	29.64	0
10/14/20 19:24	9.51	35.94	13.21	10.69	29.64	0
10/14/20 19:34	12.57	37.23	9.51	10.34	29.64	0
10/14/20 19:55	14.03	30.26	10.86	10.31	29.65	0
10/14/20 20:04	15.2	22.28	10.96	10.58	29.65	0
10/14/20 20:21	11.51	24.02	11.24	10.45	29.65	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/14/20 20:32	8.99	24.69	13.48	10.06	29.65	0
10/14/20 20:47	4.176	8.17	60.62	9.94	29.68	0
10/14/20 21:01	3.484	44.1	43.48	10.06	29.68	0
10/14/20 21:29	1.399	73.77	80.1	10.02	29.68	0
10/14/20 21:34	2.429	150.4	45.61	9.88	29.68	0
10/14/20 21:54	2.005	80.5	25.38	9.45	29.68	0
10/14/20 22:05	3.625	84.1	16.31	9.57	29.68	0
10/14/20 22:29	2.587	39	50.1	9.79	29.68	0
10/14/20 22:34	1.435	153.5	50.56	9.87	29.68	0
10/14/20 22:48	3.704	204	23.45	9.52	29.7	0
10/14/20 23:09	2.716	292	54.12	9.58	29.7	0
10/14/20 23:26	2.677	207.1	11.84	9.64	29.7	0
10/14/20 23:33	2.963	184.7	11.3	8.85	29.7	0
10/14/20 23:52	2.447	162.9	11.07	8.75	29.71	0
10/15/20 0:12	3.391	209.7	26.06	8.01	29.71	0
10/15/20 0:23	2.862	145.3	40.06	7.813	29.71	0
10/15/20 0:35	1.639	190.8	65.24	7.143	29.71	0
10/15/20 0:53	1.969	131.2	38.02	7.725	29.72	0
10/15/20 1:08	1.511	82.7	7.984	7.806	29.72	0
10/15/20 1:19	1.122	103.5	24.26	7.548	29.72	0
10/15/20 1:37	0.928	307.5	57.31	8.55	29.72	0
10/15/20 1:49	1.481	227.8	40.51	7.779	29.71	0
10/15/20 2:03	1.582	182.4	31.82	7.435	29.71	0
10/15/20 2:20	1.737	153.6	18.53	7.852	29.71	0
10/15/20 2:35	1.275	161.3	17.3	8.44	29.71	0
10/15/20 2:53	0.598	24.37	24.8	9.34	29.73	0
10/15/20 3:07	0.497	101.6	8.43	9.24	29.73	0
10/15/20 3:28	1.894	81	36.7	9.21	29.73	0
10/15/20 3:30	1.784	12.93	27.44	9.3	29.73	0
10/15/20 3:58	1.72	41.35	13.66	9.29	29.74	0
10/15/20 4:06	4.414	14.73	13.47	9.16	29.74	0
10/15/20 4:26	4.959	350.8	18.57	9.29	29.74	0
10/15/20 4:35	3.831	14.45	24.06	9.17	29.74	0
10/15/20 4:48	1.997	37.02	32.83	8.58	29.75	0
10/15/20 5:05	2.294	225.5	11	7.91	29.75	0
10/15/20 5:29	0.837	70.05	18.49	8.27	29.75	0
10/15/20 5:35	1.685	92.6	18.95	8.29	29.75	0
10/15/20 5:51	0.856	50.44	8.81	8.59	29.74	0
10/15/20 6:14	0.253	87.1	15.29	8.25	29.74	0
10/15/20 6:18	2.15	62.33	31.92	7.615	29.74	0
10/15/20 6:34	1.971	81	17.95	7.501	29.74	0
10/15/20 6:49	1.56	38.38	16.74	8.05	29.75	0
10/15/20 7:14	1.635	77.01	14.45	8.11	29.75	0
10/15/20 7:22	2.234	27.16	25.94	9.1	29.75	0
10/15/20 7:31	2.365	34.56	20	9.37	29.75	0
10/15/20 7:59	3.535	48.36	19.06	9.72	29.77	0
10/15/20 8:08	5.251	21.39	8.79	9.73	29.77	0
10/15/20 8:21	4.408	35.44	12.45	9.77	29.77	0
10/15/20 8:41	3.993	24.62	17.98	9.88	29.77	0
10/15/20 8:57	3.768	26.01	13.36	10.13	29.74	0
10/15/20 9:04	2.503	52.98	14.94	10.7	29.74	0
10/15/20 9:15	3.016	24.44	10.09	11.18	29.74	0
10/15/20 9:33	2.549	18.45	21.16	11.61	29.74	0
10/15/20 9:57	1.804	294.9	47.62	12	29.76	0
10/15/20 10:08	2.67	325.7	31.22	12.39	29.76	0
10/15/20 10:24	4.054	37.89	39.4	12.42	29.76	0
10/15/20 10:44	5.237	33.85	12.26	12.12	29.76	0
10/15/20 10:59	5.259	29.96	13.48	12.85	29.74	0
10/15/20 11:03	7.126	28.25	12.6	12.9	29.74	0
10/15/20 11:28	7.387	32.68	10.57	13.01	29.74	0
10/15/20 11:38	9.18	23.48	8.45	12.81	29.74	0
10/15/20 11:48	8.69	26.77	12.74	13.31	29.75	0
10/15/20 12:14	7.564	31.59	11.88	13.54	29.75	0
10/15/20 12:17	9.29	27.68	9.4	13.31	29.75	0
10/15/20 12:37	8.11	12.99	12.78	13.52	29.75	0
10/15/20 12:52	7.011	11.46	11.65	13.75	29.74	0
10/15/20 13:06	6.185	35.49	13.9	14.2	29.74	0
10/15/20 13:18	5.938	31.38	15.45	14.26	29.74	0
10/15/20 13:38	4.855	11.42	16.65	14.33	29.74	0
10/15/20 13:55	4.919	17.26	12.53	14.32	29.7	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/15/20 14:04	5.153	28.19	14.17	14.35	29.7	0
10/15/20 14:15	3.528	28.15	19.57	14.62	29.7	0
10/15/20 14:30	3.26	336.8	31.21	14.81	29.7	0
10/15/20 14:50	2.726	354.4	15.76	15	29.68	0
10/15/20 15:10	0.578	358.1	8.52	15.35	29.68	0
10/15/20 15:28	2.789	12.58	17.65	14.75	29.68	0
10/15/20 15:40	3.895	329.4	21.78	14.58	29.68	0
10/15/20 15:45	4.263	308.3	14.06	14.67	29.68	0
10/15/20 16:11	3.782	322.3	12.79	14.5	29.68	0
10/15/20 16:22	2.893	331.3	7.761	14.58	29.68	0
10/15/20 16:39	2.43	15.37	13.53	14.1	29.68	0
10/15/20 16:55	0.377	21.81	8.21	14.14	29.64	0
10/15/20 17:08	2.551	304.1	7.113	13.8	29.64	0
10/15/20 17:26	4.107	313.4	2.827	13.12	29.64	0
10/15/20 17:39	3.885	298.6	6.544	13.04	29.64	0
10/15/20 17:58	3.956	288.9	9.95	12.94	29.63	0
10/15/20 18:00	2.896	348.4	22.29	12.42	29.63	0
10/15/20 18:27	4.236	321.2	18.58	12.06	29.63	0
10/15/20 18:37	4.102	303.1	5.065	12.21	29.63	0
10/15/20 18:45	2.765	359.8	27.92	11.83	29.64	0
10/15/20 19:03	2.961	336.8	20.72	12.08	29.64	0
10/15/20 19:26	1.625	352.2	18.23	12.18	29.64	0
10/15/20 19:30	2.277	31.71	17.91	11.92	29.64	0
10/15/20 19:45	0.457	53.8	0.413	11.63	29.63	0
10/15/20 20:11	1.48	94.8	24.93	11.25	29.63	0
10/15/20 20:29	2.578	149.8	15.42	11.2	29.63	0
10/15/20 20:35	4.304	160.6	15.47	11.13	29.63	0
10/15/20 20:57	3.849	126.9	5.359	11.08	29.62	0
10/15/20 21:07	3.577	129.4	9.1	11.04	29.62	0
10/15/20 21:28	3.146	113.7	10.6	11.11	29.62	0
10/15/20 21:44	5.288	147.7	9.59	11	29.62	0
10/15/20 21:47	6.473	158.6	4.445	10.74	29.58	0
10/15/20 22:06	5.821	151.9	5.525	11.01	29.58	0
10/15/20 22:23	5.447	146.8	4.725	11.03	29.58	0
10/15/20 22:34	5.11	143.4	5.952	11.1	29.58	0
10/15/20 22:51	4.505	147.1	6.225	11.23	29.6	0
10/15/20 23:13	3.792	161.3	14.45	11.07	29.6	0
10/15/20 23:25	5.262	166.5	11.18	11.27	29.6	0
10/15/20 23:30	3.614	171.9	10.91	11.06	29.6	0
10/15/20 23:51	4.167	155.7	8.5	11.21	29.58	0
10/16/20 0:00	3.631	144.5	6.724	11.23	29.58	0
10/16/20 0:15	4.204	159.2	8.3	11.22	29.58	0
10/16/20 0:33	4.632	157.8	11.76	11.44	29.58	0
10/16/20 0:59	5.173	159.1	13.66	11.25	29.56	0
10/16/20 1:11	6.119	154.1	7.201	11.31	29.56	0
10/16/20 1:28	5.269	161.2	8.04	11.56	29.56	0
10/16/20 1:30	5.668	148.8	7.352	11.71	29.56	0
10/16/20 1:52	5.008	146.1	9.97	11.9	29.56	0
10/16/20 2:04	4.227	148.8	17.71	12.18	29.56	0
10/16/20 2:16	4.844	163.7	20.51	12.28	29.56	0
10/16/20 2:38	4.76	157.6	13.57	12.14	29.56	0
10/16/20 2:59	5.099	144.5	6.68	12.35	29.51	0
10/16/20 3:04	3.845	148.1	7.179	12.45	29.51	0
10/16/20 3:21	4.11	160.4	9.42	12.3	29.51	0
10/16/20 3:43	4.62	172.5	10.36	12.37	29.51	0
10/16/20 4:00	4.789	171.5	12.73	12.3	29.49	0
10/16/20 4:10	8.17	180.4	12.37	12.67	29.49	0
10/16/20 4:26	7.623	174.1	9.78	12.6	29.49	0
10/16/20 4:34	6.421	156	8.75	12.44	29.49	0
10/16/20 4:55	4.162	150.8	13.11	12.55	29.47	0
10/16/20 5:06	4.769	174.7	8.92	12.63	29.47	0
10/16/20 5:29	4.628	158.9	18.3	12.56	29.47	0
10/16/20 5:42	6.458	144.1	7.748	12.36	29.47	0
10/16/20 5:52	8.12	150.9	5.31	12.06	29.46	0
10/16/20 6:05	6.51	143.6	7.766	11.94	29.46	0
10/16/20 6:20	5.171	141.5	9.61	11.93	29.46	0
10/16/20 6:41	6.125	143.8	12.3	12.05	29.46	0
10/16/20 6:57	6.449	161.3	14.38	12.36	29.44	0
10/16/20 7:07	6.248	160.2	20.13	12.4	29.44	0
10/16/20 7:27	6.594	151.4	14.38	12.45	29.44	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/16/20 7:43	7.19	152.4	9.83	12.48	29.44	0
10/16/20 7:46	7.284	146.5	9.66	12.5	29.41	0
10/16/20 8:11	7.467	143.5	10.28	12.7	29.41	0
10/16/20 8:29	6.739	145.6	10.87	12.76	29.41	0
10/16/20 8:30	6.9	161.8	11.82	12.9	29.41	0
10/16/20 8:51	7.198	146.7	12.03	13.01	29.38	0
10/16/20 9:11	6.989	145.3	14.02	13.2	29.38	0
10/16/20 9:25	6.968	144	11.1	13.39	29.38	0
10/16/20 9:43	5.805	138.6	14.1	13.59	29.38	0
10/16/20 9:56	6.984	152.1	17.01	13.84	29.36	0
10/16/20 10:14	5.657	182.1	20.86	14.27	29.36	0
10/16/20 10:20	10.49	201.1	17.37	15.05	29.36	0
10/16/20 10:41	11.74	201.9	16.78	15.26	29.36	0
10/16/20 10:58	15.93	190.7	9.07	15.37	29.34	0
10/16/20 11:04	15.53	194.1	11.36	15.43	29.34	0
10/16/20 11:23	17.3	204.1	10.85	15.34	29.34	0
10/16/20 11:35	18.1	202.2	10.13	15.35	29.34	0
10/16/20 11:47	16.2	199.1	13.02	15.31	29.34	0
10/16/20 12:14	15.78	199.3	10.86	15.24	29.34	0
10/16/20 12:20	15.62	192.1	13.34	15.18	29.34	0
10/16/20 12:32	15.49	191.4	12.04	15.06	29.34	0
10/16/20 12:52	16.6	194.3	11.05	14.95	29.29	0
10/16/20 13:14	16.79	196.7	12.22	14.99	29.29	0
10/16/20 13:23	18.07	200.5	10.24	15	29.29	0
10/16/20 13:38	15.41	201.2	9.67	15.03	29.29	0
10/16/20 13:47	15.8	196	9.04	15.04	29.3	0
10/16/20 14:13	12.73	189.7	9.62	15.11	29.3	0
10/16/20 14:22	13.11	188.5	9.51	15.03	29.3	0
10/16/20 14:30	12.17	193.2	9.2	15.06	29.3	0
10/16/20 14:56	13.26	188	9.35	15.2	29.26	0
10/16/20 15:06	11.36	185.6	10.91	15.23	29.26	0
10/16/20 15:16	10.84	182.2	11.81	15.26	29.26	0
10/16/20 15:40	11.32	171.9	11.03	15.3	29.26	0
10/16/20 15:58	10.5	168.5	11.98	15.3	29.26	0
10/16/20 16:14	13.41	165.7	9.98	15.34	29.26	0
10/16/20 16:19	11.69	169	9.92	15.38	29.26	0
10/16/20 16:35	11.49	170.2	11.36	15.42	29.26	0
10/16/20 16:58	12.96	184.6	12.18	15.42	29.26	0
10/16/20 17:09	12.08	201	13.46	15.5	29.26	0
10/16/20 17:24	13.46	209.1	9.1	15.46	29.26	0
10/16/20 17:42	13.18	201.7	9.24	15.43	29.26	0
10/16/20 17:53	13.72	209.6	9.89	15.49	29.24	0
10/16/20 18:06	10.65	208.3	10.37	15.4	29.24	0
10/16/20 18:29	10.69	199	11.08	15.35	29.24	0
10/16/20 18:30	9.7	203.8	11.91	15.3	29.24	0
10/16/20 18:49	8.7	211.1	7.163	15.23	29.26	0
10/16/20 19:04	7.69	207.7	10.83	15.16	29.26	0
10/16/20 19:24	9.81	211.8	9.75	15.08	29.26	0
10/16/20 19:38	8.1	206.7	9.07	14.77	29.26	0.02
10/16/20 19:54	9.24	216.8	6.381	14.5	29.25	0.02
10/16/20 20:01	7.97	214.1	9.4	14.35	29.25	0.02
10/16/20 20:26	5.205	206.6	8.25	14.23	29.25	0.01
10/16/20 20:30	5.391	212.5	6.976	14.19	29.25	0.01
10/16/20 20:59	4.513	190.6	9.56	14.12	29.26	0.01
10/16/20 21:00	5.977	194.3	8.31	14.05	29.26	0.02
10/16/20 21:29	6.441	193.6	12.03	14	29.26	0.01
10/16/20 21:34	5.321	200.2	9.71	13.95	29.26	0
10/16/20 21:55	5.93	214.5	14.82	13.91	29.24	0.01
10/16/20 22:03	8.27	222.6	8.73	13.92	29.24	0
10/16/20 22:15	5.665	233.5	7.516	13.94	29.24	0
10/16/20 22:32	4.151	254.2	8.85	13.87	29.24	0
10/16/20 22:46	4.901	218.8	19.94	13.85	29.25	0
10/16/20 23:04	5.139	230.7	9.99	13.81	29.25	0
10/16/20 23:15	2.997	219.2	10.91	13.72	29.25	0
10/16/20 23:40	1.643	78.33	17.93	13.5	29.25	0.01
10/16/20 23:54	3.566	219.1	75.2	13.02	29.28	0.04
10/17/20 0:04	4.139	260.6	13.51	12.79	29.28	0.01
10/17/20 0:24	5.024	267.3	13.82	12.56	29.28	0
10/17/20 0:38	6.5	271.6	14.24	12.44	29.28	0
10/17/20 0:54	5.561	278.1	13.67	12.25	29.29	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
10/17/20 1:06	5.175	305.8	14.97	12.13	29.29	0
10/17/20 1:19	3.43	316.3	10.77	12.02	29.29	0
10/17/20 1:32	3.118	341.2	19.51	11.92	29.29	0.01
10/17/20 1:59	3.988	321.9	18.82	11.87	29.3	0
10/17/20 2:07	8.98	281.4	9.03	11.44	29.3	0.01
10/17/20 2:25	8.46	271	8.4	11.12	29.3	0.01
10/17/20 2:30	9.04	256.6	8.84	10.95	29.3	0
10/17/20 2:59	7.823	254.2	8.03	10.82	29.32	0
10/17/20 3:06	6.542	253.5	8.05	10.68	29.32	0
10/17/20 3:16	4.834	227.2	11.77	10.61	29.32	0
10/17/20 3:30	2.343	225	10.95	10.59	29.32	0.01
10/17/20 3:57	6.278	218.2	12.43	10.45	29.32	0
10/17/20 4:09	6.979	224.8	5.674	10.27	29.32	0
10/17/20 4:20	7.256	210.8	6.403	10.05	29.32	0
10/17/20 4:34	6.121	209.1	9.46	9.94	29.32	0
10/17/20 4:49	6.754	201.3	8.17	9.91	29.32	0
10/17/20 5:03	6.08	200.2	8.93	9.97	29.32	0
10/17/20 5:28	5.193	191.1	7.065	9.89	29.32	0
10/17/20 5:35	4.651	167	18.64	9.92	29.32	0
10/17/20 5:58	4.257	147.4	11.52	9.93	29.33	0
10/17/20 6:04	5.471	141.4	10.74	9.93	29.33	0
10/17/20 6:22	6.208	136.7	9.76	9.82	29.33	0
10/17/20 6:36	7.08	148.5	6.239	9.67	29.33	0
10/17/20 6:53	6.12	141.4	7.024	9.58	29.35	0
10/17/20 7:01	6	139.1	8.33	9.42	29.35	0
10/17/20 7:20	3.967	139.4	9.1	9.42	29.35	0
10/17/20 7:44	4.14	127.1	15.93	9.61	29.35	0
10/17/20 7:48	5.215	129.2	11.64	9.71	29.35	0.01
10/17/20 8:13	5.312	140	9.21	9.72	29.35	0
10/17/20 8:28	5.376	141.3	9.21	9.74	29.35	0
10/17/20 8:33	6.671	146.4	8.2	9.78	29.35	0
10/17/20 8:46	5.973	143.5	8.51	9.76	29.35	0
10/17/20 9:12	6.368	146.4	10.92	9.74	29.35	0
10/17/20 9:21	6.814	155.9	8.44	9.86	29.35	0
10/17/20 9:41	7.253	156.5	13.54	9.89	29.35	0.01
10/17/20 9:47	7.981	189.8	22.25	9.87	29.39	0
10/17/20 10:06	6.1	196.6	12.48	10.05	29.39	0
10/17/20 10:16	4.271	162.6	29.53	10.31	29.39	0
10/17/20 10:42	4.343	114.5	7.316	10.41	29.39	0
10/17/20 10:53	3.302	125.8	15.93	10.49	29.37	0
10/17/20 11:07	2.9	139.3	27.5	10.66	29.37	0
10/17/20 11:26	4.207	149.4	15.9	10.8	29.37	0
10/17/20 11:31	4.005	121.5	11.26	10.98	29.37	0
10/17/20 11:59	1.899	105.7	32.12	11.2	29.38	0
10/17/20 12:01	3.525	103.4	21.96	11.32	29.38	0
10/17/20 12:15	2.81	100.4	13.94	11.24	29.38	0
10/17/20 12:39	4.773	161.9	26.99	11.72	29.38	0
10/17/20 12:58	4.407	182.6	14.17	11.8	29.38	0
10/17/20 13:00	4.107	179.7	21.34	11.84	29.38	0
10/17/20 13:26	3.038	150.2	24.34	11.94	29.38	0
10/17/20 13:42	3.587	189.9	12.3	11.97	29.38	0
10/17/20 13:45	5.728	191.3	9.9	12	29.39	0
10/17/20 14:00	4.609	186.3	18.06	12.01	29.39	0
10/17/20 14:15	3.275	123.9	16.63	12.06	29.39	0
10/17/20 14:32	3.975	119.2	7.518	11.98	29.39	0
10/17/20 14:51	4.201	129.2	8.93	12.07	29.37	0
10/17/20 15:04	3.868	129.5	6.336	12.09	29.37	0
10/17/20 15:22	3.935	119.4	5.995	12.02	29.37	0
10/17/20 15:41	3.256	108.9	12.62	11.92	29.37	0
10/17/20 15:50	4.3	113.7	8.41	11.86	29.36	0
10/17/20 16:08	4.111	114	5.921	11.85	29.36	0
10/17/20 16:20	4.112	115	5.194	11.8	29.36	0
10/17/20 16:35	3.347	114.7	8.76	11.71	29.36	0
10/17/20 16:55	3.301	122.1	5.564	11.76	29.34	0
10/17/20 17:00	2.1	104.8	12.17	11.79	29.34	0
10/17/20 17:27	2.541	37.13	15.05	11.31	29.34	0
10/17/20 17:31	2.271	30.41	1.052	10.78	29.34	0
10/17/20 17:53	2.705	22.72	7.105	10.65	29.35	0
10/17/20 18:08	3.252	15.67	6.895	10.7	29.35	0
10/17/20 18:15	2.294	14.15	19.6	10.77	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
10/17/20 18:41	2.009	331.2	5.306	11.07	29.35	0
10/17/20 18:47	1.993	25.13	12.56	10.61	29.36	0
10/17/20 19:15	0.447	36.65	0.126	10.62	29.36	0
10/17/20 19:27	1.904	228.8	62.24	11.24	29.36	0
10/17/20 19:34	1.685	178.7	39.08	11.25	29.36	0
10/17/20 19:53	2.735	201.9	24.4	10.65	29.33	0
10/17/20 20:09	3.264	190.8	13.25	10.88	29.33	0
10/17/20 20:29	2.597	166.9	5.048	10.55	29.33	0
10/17/20 20:40	2.763	146.5	9.42	10.6	29.33	0
10/17/20 20:48	2.041	149	13.24	10.67	29.33	0
10/17/20 21:05	0.662	147.4	6.547	10.68	29.33	0
10/17/20 21:17	1.833	133.1	25.51	10.85	29.33	0
10/17/20 21:44	2.148	143.3	36.7	10.47	29.33	0
10/17/20 21:58	6.043	168.2	9.51	10.3	29.29	0
10/17/20 22:01	5.713	173.8	8.54	10.25	29.29	0
10/17/20 22:23	5.697	160.9	8.68	10.21	29.29	0
10/17/20 22:33	6.119	157.8	4.052	10.3	29.29	0
10/17/20 22:46	4.812	145.9	9.07	10.15	29.3	0
10/17/20 23:10	3.935	147.7	15.57	10.18	29.3	0
10/17/20 23:17	4.635	167.4	6.493	10.31	29.3	0
10/17/20 23:36	6.763	156.9	7.214	10.21	29.3	0
10/17/20 23:45	6.462	154.6	8.29	10.19	29.3	0
10/18/20 0:00	5.19	143.5	7.825	10.2	29.3	0
10/18/20 0:27	5.238	139.7	7.447	10.17	29.3	0
10/18/20 0:35	4.721	133.3	6.128	10.2	29.3	0
10/18/20 0:47	5.111	133	10.52	10.29	29.28	0
10/18/20 1:12	3.293	136.6	24.67	10.35	29.28	0
10/18/20 1:16	2.643	133.2	28.42	10.61	29.28	0
10/18/20 1:42	4.623	180.6	17.16	10.54	29.28	0
10/18/20 1:58	6.948	177.1	9.13	10.36	29.3	0
10/18/20 2:11	10.66	184.3	11.63	10.26	29.3	0.01
10/18/20 2:15	7.967	171.3	15.11	9.76	29.3	0
10/18/20 2:30	6.614	150.3	15.68	9.39	29.3	0
10/18/20 2:54	7.861	136.7	6.681	9.29	29.25	0
10/18/20 3:10	9.45	131.6	7.122	9.23	29.25	0
10/18/20 3:15	10	128.7	8.47	9.17	29.25	0.01
10/18/20 3:40	9.38	134.8	10.91	9.17	29.25	0
10/18/20 3:48	10.28	132.3	9.36	9.34	29.2	0
10/18/20 4:10	8.79	132	9.65	9.69	29.2	0
10/18/20 4:19	7.407	136.1	13.18	10.05	29.2	0
10/18/20 4:31	6.01	137.1	8.48	10.43	29.2	0
10/18/20 4:58	6.055	142.3	10.34	10.64	29.18	0
10/18/20 5:03	7.42	151	10.73	10.8	29.18	0
10/18/20 5:26	9.36	159.7	8.2	10.96	29.18	0
10/18/20 5:42	8.56	156.4	8.21	11.07	29.18	0
10/18/20 5:58	7.299	143.5	10.17	11.27	29.19	0
10/18/20 6:12	9.7	155	14.93	11.51	29.19	0
10/18/20 6:18	9.24	164.4	11.43	11.67	29.19	0
10/18/20 6:33	10.48	167.1	12.69	11.85	29.19	0
10/18/20 6:48	12.01	165.9	13.81	12.1	29.15	0
10/18/20 7:01	12.14	170.2	11.23	12.23	29.15	0
10/18/20 7:22	10.27	170.2	15.94	12.31	29.15	0
10/18/20 7:30	10.02	173.6	18.53	12.49	29.15	0
10/18/20 7:46	11	174.3	13.26	12.55	29.18	0
10/18/20 8:10	10.14	180.4	13.52	12.65	29.18	0
10/18/20 8:21	9.79	186.8	16.72	12.79	29.18	0
10/18/20 8:34	8.57	198.6	19.75	12.96	29.18	0
10/18/20 8:56	9.84	201.7	13.86	13.1	29.2	0
10/18/20 9:03	9.33	201.6	13.65	13.29	29.2	0
10/18/20 9:16	5.984	191	14.88	13.33	29.2	0
10/18/20 9:37	8.29	192.5	15.71	13.41	29.2	0
10/18/20 9:52	7.27	181.6	12.11	13.5	29.2	0.01
10/18/20 10:14	8.1	183.4	13.6	13.66	29.2	0
10/18/20 10:26	8.27	192.4	11.67	13.92	29.2	0
10/18/20 10:35	6.35	174.9	26.55	14.11	29.2	0
10/18/20 10:47	7.469	200.4	16.1	14.26	29.2	0
10/18/20 11:14	6.29	208.8	15.61	14.37	29.2	0
10/18/20 11:26	7.266	198.3	12.49	14.53	29.2	0
10/18/20 11:33	8.55	200.4	12.44	14.82	29.2	0
10/18/20 11:47	10.22	207.5	10.44	15.2	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
10/18/20 12:07	10.77	212.5	9.23	15.6	29.18	0
10/18/20 12:21	11.93	225.1	8.62	15.85	29.18	0
10/18/20 12:30	10.62	215.3	9.34	16.09	29.18	0
10/18/20 12:49	9.65	221.8	10.06	16.33	29.19	0
10/18/20 13:07	13.02	223.4	9.4	16.55	29.19	0
10/18/20 13:18	12.01	227.7	8.67	16.64	29.19	0
10/18/20 13:37	13.12	228.3	11.13	16.77	29.19	0
10/18/20 13:51	7.44	251	18.82	17.01	29.19	0
10/18/20 14:11	8.15	249.8	14.6	16.94	29.19	0
10/18/20 14:21	4.959	269.5	17.58	16.99	29.19	0
10/18/20 14:44	6.814	277.3	11.72	16.79	29.19	0
10/18/20 14:59	6.689	275.3	12.41	16.42	29.19	0
10/18/20 15:13	8.07	273.1	8	16.22	29.19	0
10/18/20 15:29	8.32	265	8.32	16.19	29.19	0
10/18/20 15:31	10.69	256.2	8.81	16.13	29.19	0
10/18/20 15:54	11.35	254	10.55	16.11	29.19	0
10/18/20 16:00	13.95	250.1	9.64	16.12	29.19	0
10/18/20 16:18	11.7	252	11.26	16.01	29.19	0
10/18/20 16:42	10.57	257.3	7.809	15.75	29.19	0
10/18/20 16:46	10.44	256.5	9.02	15.47	29.2	0
10/18/20 17:12	10.48	265	11.64	15.28	29.2	0
10/18/20 17:22	9.77	259.8	7.642	15.05	29.2	0
10/18/20 17:44	8.8	254.5	9.92	14.75	29.2	0
10/18/20 17:56	9.13	244.9	8.62	14.66	29.24	0
10/18/20 18:02	10.18	246	7.2	14.65	29.24	0
10/18/20 18:19	10.35	234.3	7.489	14.58	29.24	0
10/18/20 18:36	11.33	233.7	8.17	14.6	29.24	0
10/18/20 18:52	11.39	232.8	8.94	14.5	29.22	0
10/18/20 19:05	13.26	238.4	7.987	14.31	29.22	0
10/18/20 19:21	12.94	229.7	8.43	14.2	29.22	0
10/18/20 19:31	9.39	231.5	9.21	14.07	29.22	0
10/18/20 19:50	10.47	234.7	7.974	14.01	29.25	0
10/18/20 20:08	9.55	240.4	6.803	13.92	29.25	0
10/18/20 20:22	8.4	234.6	7.675	13.87	29.25	0
10/18/20 20:44	9.5	236.7	9.4	13.75	29.25	0
10/18/20 20:45	7.668	215.7	8.57	13.66	29.25	0
10/18/20 21:08	7.541	211.2	9.19	13.56	29.25	0
10/18/20 21:23	10.01	203.8	8.85	13.47	29.25	0
10/18/20 21:34	11.07	198.6	10.02	13.3	29.25	0
10/18/20 21:56	8.57	206.8	7.401	13.09	29.24	0
10/18/20 22:05	11.48	198.4	9.28	12.95	29.24	0
10/18/20 22:21	12.08	200.7	8.93	12.96	29.24	0
10/18/20 22:44	8.38	191.8	14.34	12.85	29.24	0
10/18/20 22:58	10.35	200.2	8.51	12.82	29.25	0
10/18/20 23:00	11.31	203.8	6.599	12.71	29.25	0
10/18/20 23:24	11.77	203.5	7.414	12.64	29.25	0
10/18/20 23:33	12.41	198.5	9.51	12.67	29.25	0
10/18/20 23:51	11.66	216.3	9.88	12.62	29.26	0
10/19/20 0:11	13.62	215.5	10.93	12.56	29.26	0
10/19/20 0:15	12.52	203.2	10.06	12.36	29.26	0
10/19/20 0:31	11.7	191.9	9.86	12.06	29.26	0
10/19/20 0:46	12.68	191.3	8.06	11.7	29.28	0
10/19/20 1:11	12.11	189	7.837	11.55	29.28	0
10/19/20 1:20	10.1	189.4	8.47	11.53	29.28	0.01
10/19/20 1:32	8.8	188.8	7.56	11.55	29.28	0
10/19/20 1:54	9.33	178.1	10.81	11.51	29.3	0
10/19/20 2:10	8.81	182.5	10.5	11.52	29.3	0
10/19/20 2:22	10.66	178.8	7.806	11.5	29.3	0
10/19/20 2:32	10.05	182.8	7.604	11.4	29.3	0
10/19/20 2:56	10	186.8	9.01	11.44	29.27	0
10/19/20 3:00	9.12	189.2	9	11.17	29.27	0.01
10/19/20 3:21	8.38	189.6	8.27	10.99	29.27	0.01
10/19/20 3:37	6.341	194.1	7.991	10.9	29.27	0
10/19/20 3:46	4.511	184.3	8.89	10.82	29.29	0
10/19/20 4:14	4.598	182.5	10.46	10.86	29.29	0.01
10/19/20 4:16	5.956	183.3	8.64	10.82	29.29	0
10/19/20 4:36	5.876	174.2	6.873	10.75	29.29	0.01
10/19/20 5:00	4.746	174.1	12.74	10.71	29.3	0.01
10/19/20 5:00	4.955	170	9.42	10.72	29.3	0
10/19/20 5:16	6.196	169.5	9.08	10.69	29.3	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
10/19/20 5:41	5.199	166.4	12.36	10.68	29.3	0
10/19/20 5:52	5.531	173.3	10.41	10.7	29.31	0.01
10/19/20 6:07	7.417	174.1	7.083	10.7	29.31	0
10/19/20 6:25	6.877	174.4	8.15	10.71	29.31	0
10/19/20 6:38	6.334	178.9	8.43	10.73	29.31	0.01
10/19/20 6:53	5.834	181.1	8.22	10.73	29.32	0
10/19/20 7:06	5.922	179.9	9.32	10.76	29.32	0.02
10/19/20 7:23	5.334	177.6	8.32	10.78	29.32	0.01
10/19/20 7:44	5.509	174.9	7.71	10.87	29.32	0.01
10/19/20 7:53	6.274	181.3	8.28	10.88	29.31	0.02
10/19/20 8:02	6.46	184.9	9.73	10.94	29.31	0.01
10/19/20 8:17	6.253	183.9	10.19	10.95	29.31	0.01
10/19/20 8:41	6.873	178.8	7.636	10.99	29.31	0
10/19/20 8:59	7.037	184.1	7.636	11.13	29.34	0.01
10/19/20 9:13	8.24	184.5	9.4	11.16	29.34	0
10/19/20 9:21	8.96	182.1	7.626	11.28	29.34	0.01
10/19/20 9:33	8.14	183.1	8.21	11.51	29.34	0
10/19/20 9:57	7.12	181.4	9.99	11.74	29.33	0
10/19/20 10:03	7.985	182.9	8.09	12.08	29.33	0
10/19/20 10:26	8.54	178.5	9.5	12.32	29.33	0
10/19/20 10:32	6.792	180.7	9.68	12.64	29.33	0
10/19/20 10:50	7.644	172.3	10.75	12.85	29.33	0
10/19/20 11:02	7.678	182.4	11.28	12.95	29.33	0
10/19/20 11:25	8.75	190.6	10.07	13.01	29.33	0
10/19/20 11:30	7.091	197.2	10.23	13.1	29.33	0
10/19/20 11:52	7.113	200.4	10.39	13.38	29.34	0
10/19/20 12:08	10.95	210.9	8.41	13.63	29.34	0
10/19/20 12:15	10.32	221.2	8.79	13.45	29.34	0
10/19/20 12:36	10.6	221.4	9.55	13.4	29.34	0
10/19/20 12:48	8.65	223.9	8.29	13.28	29.35	0
10/19/20 13:08	6.967	227.7	10.96	13.31	29.35	0
10/19/20 13:17	3.685	313.8	57.6	13.06	29.35	0
10/19/20 13:41	6.796	33.38	11.81	11.38	29.35	0
10/19/20 13:45	9	32.42	12.05	10.68	29.35	0
10/19/20 14:13	9.49	25.02	8.74	10.4	29.35	0
10/19/20 14:21	8.64	29.21	9.23	10.29	29.35	0
10/19/20 14:34	8.63	23.5	10.09	10.18	29.35	0
10/19/20 14:46	8.15	28.92	10.14	10.11	29.35	0
10/19/20 15:03	7.796	33.03	10.34	10.06	29.35	0
10/19/20 15:15	8.15	36.86	9.32	10.08	29.35	0
10/19/20 15:30	6.488	28.33	9.71	10.03	29.35	0
10/19/20 16:00	7.806	33.6	8.57	9.74	29.35	0
10/19/20 16:11	9.63	33.75	8.08	9.47	29.35	0
10/19/20 16:25	9.22	35.92	8.75	9.37	29.35	0.01
10/19/20 16:30	10.43	36.24	8.8	9.3	29.35	0
10/19/20 16:45	8.41	35.22	8.11	9.28	29.32	0
10/19/20 17:00	6.437	23.79	23.81	9.32	29.32	0
10/19/20 17:28	5.08	19.08	10.97	9.36	29.32	0.01
10/19/20 17:44	7.924	21.16	10.28	9.24	29.32	0
10/19/20 17:45	7.443	33.07	9.95	9.16	29.34	0
10/19/20 18:14	7.453	35.56	12.35	9.1	29.34	0
10/19/20 18:17	9.19	26.09	9.12	9.36	29.34	0
10/19/20 18:40	9.19	25.64	11.23	9.24	29.34	0
10/19/20 18:50	8.5	20.7	11.93	9.24	29.38	0
10/19/20 19:04	7.239	20.2	10.44	9.08	29.38	0.01
10/19/20 19:18	8.15	28.42	7.426	8.99	29.38	0.01
10/19/20 19:32	8.03	28.77	5.92	8.85	29.38	0.02
10/19/20 19:47	6.721	32.29	6.381	8.82	29.39	0.01
10/19/20 20:00	3.293	43.38	12.23	8.8	29.39	0.02
10/19/20 20:15	3.537	78.88	17.13	8.91	29.39	0
10/19/20 20:40	3.413	154	26.35	9	29.39	0.01
10/19/20 20:48	4.593	190.4	10.13	8.96	29.39	0
10/19/20 21:12	4.51	184.1	9.03	8.97	29.39	0
10/19/20 21:15	3.038	158.3	19.73	8.93	29.39	0
10/19/20 21:36	2.75	99.2	12.99	8.82	29.39	0
10/19/20 21:53	2.362	197.3	15.47	8.93	29.39	0
10/19/20 22:04	2.423	182.2	29.38	8.93	29.39	0
10/19/20 22:15	0.869	200.1	7.078	8.88	29.39	0
10/19/20 22:38	0.404	333.4	23.55	8.85	29.39	0
10/19/20 22:55	1.026	272.8	20.75	8.89	29.39	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/19/20 23:05	1.258	339	26.27	8.83	29.39	0
10/19/20 23:22	2.729	352.6	22.92	9.43	29.39	0
10/19/20 23:42	3.351	8.94	11.3	9.65	29.39	0
10/19/20 23:45	2.307	18.8	9.84	9.5	29.39	0
10/20/20 0:02	1.104	62.1	27.91	8.81	29.39	0
10/20/20 0:29	0.801	155.7	63.26	8.67	29.39	0.01
10/20/20 0:44	2.986	188	7.353	8.86	29.39	0
10/20/20 0:57	2.328	99	61.7	8.62	29.39	0
10/20/20 1:13	3.978	210.1	15.63	8.64	29.39	0
10/20/20 1:19	4.114	214.2	9.71	8.74	29.39	0
10/20/20 1:37	4.632	206.7	10.99	8.66	29.39	0
10/20/20 1:54	4.508	206	3.682	8.64	29.39	0
10/20/20 2:13	4.392	211.3	12.8	8.64	29.39	0
10/20/20 2:24	4.66	206.6	4.434	8.62	29.39	0
10/20/20 2:44	2.415	219.5	26.46	8.59	29.39	0
10/20/20 2:49	2.544	280	38.7	8.25	29.39	0
10/20/20 3:02	2.144	237.2	66.12	8.35	29.39	0
10/20/20 3:15	0.948	242	68.07	8.23	29.39	0
10/20/20 3:32	1.25	214.4	10.23	8.36	29.39	0
10/20/20 3:55	0.692	295.3	36.53	8.31	29.39	0
10/20/20 4:05	1.048	283.5	58.97	8.25	29.39	0
10/20/20 4:22	3.851	208.2	3.812	8.42	29.39	0
10/20/20 4:31	3.221	195.9	29.08	8.36	29.39	0
10/20/20 4:59	3.375	186.8	17.81	8.36	29.37	0
10/20/20 5:00	2.428	177.3	73.25	8.18	29.37	0
10/20/20 5:18	1.215	307.4	61.75	8.09	29.37	0
10/20/20 5:44	0.689	313.3	42.29	7.922	29.37	0
10/20/20 5:53	1.874	213.1	66.47	7.93	29.38	0
10/20/20 6:01	2.29	161.3	34.54	7.924	29.38	0
10/20/20 6:17	0.694	51.62	5.675	7.707	29.38	0
10/20/20 6:44	0.238	36.96	10.47	7.769	29.38	0
10/20/20 6:47	0.635	16.09	0.401	7.846	29.37	0
10/20/20 7:08	0.401	54.58	2.704	7.786	29.37	0
10/20/20 7:28	0.823	153.7	35.31	7.891	29.37	0
10/20/20 7:33	2.017	145.7	20.95	7.96	29.37	0
10/20/20 7:57	3.703	170.4	5.805	8.04	29.39	0
10/20/20 8:00	1.148	168.9	27.89	8.17	29.39	0
10/20/20 8:29	0.204	99.4	1.329	8.49	29.39	0
10/20/20 8:44	2.514	119	12.82	8.64	29.39	0
10/20/20 8:56	4.718	146.9	9.11	8.97	29.39	0
10/20/20 9:00	3.324	135.3	14.94	9.3	29.39	0
10/20/20 9:26	3.112	109.2	17.44	9.8	29.39	0
10/20/20 9:36	3.301	73.78	18.11	9.99	29.39	0
10/20/20 9:57	3.638	106.8	23.14	10.94	29.38	0
10/20/20 10:11	3.815	137.7	25.79	11.13	29.38	0
10/20/20 10:23	4.712	141.2	24.31	11.69	29.38	0
10/20/20 10:45	3.511	134.9	28.45	12.09	29.38	0
10/20/20 10:55	4.661	139.9	11.34	11.95	29.39	0
10/20/20 11:00	5.334	169.8	26.18	11.69	29.39	0
10/20/20 11:22	6.415	197.6	11.87	12	29.39	0
10/20/20 11:34	5.266	199.6	19.42	11.87	29.39	0
10/20/20 11:45	3.291	187.5	16.9	11.88	29.36	0
10/20/20 12:03	3.269	230.2	37.84	12	29.36	0
10/20/20 12:29	2.66	170	29.25	12.22	29.36	0
10/20/20 12:33	4.484	194.3	25.34	12.43	29.36	0
10/20/20 12:50	3.836	216.9	15.36	12.75	29.35	0
10/20/20 13:06	3.974	207.6	23.19	13.03	29.35	0
10/20/20 13:28	5.793	210.5	22.86	13.16	29.35	0
10/20/20 13:33	5.59	219.9	17.03	12.94	29.35	0
10/20/20 13:58	3.617	244.6	23.41	12.78	29.32	0
10/20/20 14:03	3.489	212.5	21.27	13.3	29.32	0
10/20/20 14:23	3.532	193.5	15.12	13.24	29.32	0
10/20/20 14:41	2.371	201.3	19.9	13.16	29.32	0
10/20/20 14:59	2.875	208.8	33.93	13.43	29.29	0
10/20/20 15:04	5.328	263.4	14.09	13.12	29.29	0
10/20/20 15:17	4.15	258.2	10.14	12.44	29.29	0
10/20/20 15:40	3.687	256.8	9.48	12.97	29.29	0
10/20/20 15:58	3.771	259.8	11.29	13.23	29.31	0
10/20/20 16:14	5.456	270.1	14.07	13.14	29.31	0
10/20/20 16:22	4.876	277.4	8.97	12.61	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
10/20/20 16:33	2.754	322	34.27	12.17	29.31	0
10/20/20 16:59	2.898	271.1	4.497	12.03	29.27	0
10/20/20 17:12	4.354	261.2	3.629	11.72	29.27	0
10/20/20 17:20	4.348	263.9	3.592	11.4	29.27	0
10/20/20 17:31	2.465	326	46.32	10.95	29.27	0
10/20/20 17:49	3.14	25.23	2.113	10.13	29.3	0
10/20/20 18:13	2.263	26.68	3.537	9.96	29.3	0
10/20/20 18:29	2.351	35.12	2.926	9.81	29.3	0
10/20/20 18:30	1.526	39.37	4.279	9.76	29.3	0
10/20/20 18:59	1.733	44.91	6.991	9.78	29.29	0
10/20/20 19:11	2.4	62.61	16.4	9.04	29.29	0
10/20/20 19:17	2.289	98.4	4.492	8.6	29.29	0
10/20/20 19:38	2.756	113.5	5.222	8.81	29.29	0
10/20/20 19:58	2.857	176.1	39.54	9.73	29.29	0
10/20/20 20:08	4.922	291.1	17.93	8.78	29.29	0
10/20/20 20:21	5.324	9.9	45.8	8.09	29.29	0
10/20/20 20:32	4.593	43.03	11.47	8.12	29.29	0
10/20/20 20:53	3.096	50.62	16.78	8.55	29.29	0
10/20/20 21:03	1.713	71.38	4.606	8.69	29.29	0
10/20/20 21:20	1.917	159.8	40.07	7.977	29.29	0
10/20/20 21:43	2.411	102.2	15.74	7.823	29.29	0
10/20/20 21:48	3.379	134	4.837	7.855	29.28	0
10/20/20 22:10	3.335	151.3	7.202	8.02	29.28	0
10/20/20 22:22	3.941	156.9	6.344	7.659	29.28	0
10/20/20 22:36	4.509	151.2	11.22	7.846	29.28	0
10/20/20 22:58	2.137	92.2	16.11	7.176	29.26	0
10/20/20 23:12	3.117	147.8	29.83	7.397	29.26	0
10/20/20 23:17	2.68	118.2	9.22	8.28	29.26	0
10/20/20 23:42	2.05	97.9	9.71	8.2	29.26	0
10/20/20 23:59	2.666	121.3	5.205	7.946	29.28	0
10/21/20 0:05	6.147	157.6	15.2	7.626	29.28	0
10/21/20 0:17	5.453	173.7	9.84	7.73	29.28	0
10/21/20 0:41	4.121	175.5	9.75	8.14	29.28	0
10/21/20 0:56	4.436	196.1	9.23	8.07	29.28	0
10/21/20 1:00	2.907	177.5	12.19	7.804	29.28	0
10/21/20 1:25	3.125	184.9	10.78	7.84	29.28	0
10/21/20 1:30	1.007	104.7	36.9	7.73	29.28	0
10/21/20 1:59	1.654	144	22.92	7.727	29.25	0
10/21/20 2:00	1.585	160.4	14.61	7.805	29.25	0
10/21/20 2:26	2.662	171.7	17.11	7.746	29.25	0
10/21/20 2:39	2.081	223.2	27.72	7.81	29.25	0
10/21/20 2:48	0.667	255.6	10.54	7.849	29.25	0
10/21/20 3:13	2.387	27.2	9.02	7.626	29.25	0
10/21/20 3:29	4.693	32.19	8.15	7.313	29.25	0.02
10/21/20 3:32	5.522	39.62	16.55	7.217	29.25	0.01
10/21/20 3:45	2.009	5.584	9.23	7.217	29.23	0.02
10/21/20 4:14	2.532	344.1	7.264	7.307	29.23	0.02
10/21/20 4:29	1.261	42.7	56.06	7.155	29.23	0.06
10/21/20 4:31	3.244	158.6	6.748	6.998	29.23	0
10/21/20 4:45	0.261	147.9	2.695	6.917	29.26	0.01
10/21/20 5:03	1.737	53.06	62.83	7.228	29.26	0
10/21/20 5:21	2.901	161.3	10.49	7.048	29.26	0
10/21/20 5:38	2.357	253.4	61.02	7.139	29.26	0
10/21/20 5:50	5.802	205.8	5.082	7.183	29.28	0
10/21/20 6:10	4.905	199.4	8.74	7.039	29.28	0
10/21/20 6:15	1.8	72.44	37.66	6.584	29.28	0
10/21/20 6:44	1.756	84.5	29.22	6.515	29.28	0
10/21/20 6:58	3.957	141.8	24.06	6.414	29.26	0
10/21/20 7:05	4.269	136.6	10.07	6.503	29.26	0
10/21/20 7:17	3.583	90.9	30.53	6.521	29.26	0
10/21/20 7:34	3.748	135.7	15.58	6.5	29.26	0
10/21/20 7:57	2.573	252.9	64.48	6.709	29.3	0.03
10/21/20 8:09	3.007	33.27	58.16	6.648	29.3	0.03
10/21/20 8:27	5.799	99.4	28.58	6.465	29.3	0
10/21/20 8:30	3.771	121.6	10.66	6.787	29.3	0
10/21/20 8:47	2.126	105.9	11.53	7.08	29.29	0
10/21/20 9:12	4.313	135.9	8.5	7.398	29.29	0
10/21/20 9:25	4.029	103.8	23.4	7.506	29.29	0
10/21/20 9:37	4.245	108.6	14.72	7.494	29.29	0
10/21/20 9:50	4.166	96.6	15.06	7.741	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
10/21/20 10:02	3.977	123.6	17.95	8.16	29.29	0
10/21/20 10:27	7.717	38.71	60.93	7.59	29.29	0.03
10/21/20 10:34	6.534	5.13	17.31	5.081	29.29	0.13
10/21/20 10:58	8.21	351.3	19.1	5.602	29.31	0.04
10/21/20 11:04	11.28	344.5	16.45	5.63	29.31	0.03
10/21/20 11:20	6.575	356.3	16.45	5.404	29.31	0.04
10/21/20 11:41	9.67	280.6	28.49	5.664	29.31	0.04
10/21/20 11:51	9.41	208	12.31	5.336	29.34	0.01
10/21/20 12:00	4.145	125.2	60.95	5.602	29.34	0
10/21/20 12:18	5.104	61.27	20.78	5.701	29.34	0
10/21/20 12:32	3.222	101.3	15.9	6.367	29.34	0
10/21/20 12:45	1.986	139.3	45.68	8.14	29.33	0
10/21/20 13:10	2.145	41.76	60.81	8.41	29.33	0
10/21/20 13:26	2.064	157.8	65.13	8.84	29.33	0
10/21/20 13:44	1.141	50.76	73.24	9.19	29.33	0
10/21/20 13:49	3.244	5.755	16.05	8.59	29.34	0
10/21/20 14:01	1.406	15.84	43.73	8.71	29.34	0
10/21/20 14:24	2.781	44.97	26.54	8.9	29.34	0
10/21/20 14:40	3.133	152.9	32.79	9.52	29.34	0
10/21/20 14:45	2.91	145.7	15.21	8.81	29.36	0
10/21/20 15:05	3.243	136.9	42.04	8.77	29.36	0
10/21/20 15:29	3.03	65.23	8.26	8.52	29.36	0
10/21/20 15:36	7.908	67.59	17.83	7.628	29.36	0
10/21/20 15:45	4.76	59.32	15.89	6.665	29.38	0
10/21/20 16:04	3.465	86.8	11.71	6.826	29.38	0
10/21/20 16:20	3.757	120.6	9.72	6.653	29.38	0
10/21/20 16:38	3.398	167.3	13.54	6.611	29.38	0
10/21/20 16:45	2.418	155.9	20.99	6.515	29.39	0
10/21/20 17:14	2.495	148.8	36.03	5.916	29.39	0
10/21/20 17:15	1.504	143.3	22.62	5.881	29.39	0
10/21/20 17:32	1.953	148.5	8.21	5.96	29.39	0
10/21/20 17:57	1.608	122.2	13.81	5.585	29.39	0
10/21/20 18:14	2.086	107.9	5.029	5.467	29.39	0
10/21/20 18:16	1.384	80.9	9.02	5.206	29.39	0
10/21/20 18:39	0.348	69.43	0.484	5.309	29.39	0
10/21/20 18:57	0.162	70.06	0.161	4.904	29.39	0
10/21/20 19:08	1.565	84.3	16.07	4.857	29.39	0
10/21/20 19:29	0.393	125.3	16.86	4.963	29.39	0
10/21/20 19:30	0.997	197	29.57	5.146	29.39	0
10/21/20 19:56	1.815	32.25	10.49	4.544	29.41	0
10/21/20 20:01	2.526	52.68	4.988	4.459	29.41	0
10/21/20 20:15	2.19	37.54	7.526	4.897	29.41	0
10/21/20 20:30	1.046	14.38	2.587	4.994	29.41	0
10/21/20 20:48	0.273	11.21	0.286	5.217	29.44	0
10/21/20 21:12	1.07	209.2	27.3	5.091	29.44	0
10/21/20 21:20	2.852	172.2	8.9	4.742	29.44	0
10/21/20 21:30	0.739	214.6	50.56	5.129	29.44	0
10/21/20 21:59	0.158	214.4	3.606	5.534	29.45	0
10/21/20 22:01	0.701	211.4	1.445	5.266	29.45	0
10/21/20 22:30	1.589	214.8	8.28	5.182	29.45	0
10/21/20 22:37	3.516	200.4	3.164	4.884	29.45	0
10/21/20 22:57	2.963	186.8	8.9	4.943	29.44	0
10/21/20 23:03	2.251	179.9	12.6	5.12	29.44	0
10/21/20 23:29	1.804	176.3	11.69	5.171	29.44	0
10/21/20 23:39	2.54	150	34.65	4.919	29.44	0
10/21/20 23:50	1.703	31.94	10.31	4.212	29.46	0
10/22/20 0:14	1.797	55.73	6.053	4.478	29.46	0
10/22/20 0:18	2.488	102.6	25.7	4.631	29.46	0
10/22/20 0:33	2.549	162	4.627	4.691	29.46	0
10/22/20 0:55	2.45	166.1	3.313	4.588	29.47	0
10/22/20 1:00	0.954	134.9	5.098	4.371	29.47	0
10/22/20 1:29	0.778	162.5	23.02	4.372	29.47	0
10/22/20 1:37	2.226	206.6	8.34	4.324	29.47	0
10/22/20 1:45	1.567	189.1	8.39	4.269	29.5	0
10/22/20 2:14	2.403	182.4	21.92	4.484	29.5	0.01
10/22/20 2:24	3.366	160.3	8.39	4.364	29.5	0
10/22/20 2:40	4.652	162.2	8.88	3.803	29.5	0
10/22/20 2:45	2.294	150.7	33.67	3.52	29.51	0
10/22/20 3:00	1.147	57.4	11.3	3.631	29.51	0
10/22/20 3:29	1.082	133.8	85.8	3.693	29.51	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/22/20 3:39	3.704	158.8	7.482	3.912	29.51	0
10/22/20 3:53	3.943	155.5	6.957	4.192	29.51	0
10/22/20 4:12	3.945	143.9	7.005	4.161	29.51	0
10/22/20 4:15	2.466	99.2	37.57	4.007	29.51	0
10/22/20 4:38	1.103	24.09	15.99	3.368	29.51	0
10/22/20 4:47	1.507	61.11	9.45	3.644	29.51	0
10/22/20 5:14	0.434	70.66	15.2	3.798	29.51	0
10/22/20 5:18	2.084	188.7	56.55	3.62	29.51	0
10/22/20 5:42	2.649	287.2	3.845	3.667	29.51	0
10/22/20 5:57	2.382	276.1	25.93	3.724	29.53	0
10/22/20 6:08	2.165	247.9	8.15	3.441	29.53	0
10/22/20 6:23	2.263	249.9	15.75	3.409	29.53	0
10/22/20 6:37	3.615	212.5	11.09	3.294	29.53	0
10/22/20 6:47	4.299	202.1	4.682	2.964	29.55	0
10/22/20 7:08	4.714	196.4	3.738	2.789	29.55	0
10/22/20 7:25	4.569	204.2	6.334	2.838	29.55	0
10/22/20 7:36	4.401	201.6	4.783	2.974	29.55	0
10/22/20 7:45	3.274	204.2	8.12	3.2	29.56	0
10/22/20 8:02	3.084	207.3	10.63	3.71	29.56	0
10/22/20 8:18	2.314	177.6	13.01	4.23	29.56	0
10/22/20 8:30	1.991	165.4	14.74	4.575	29.56	0
10/22/20 8:59	1.069	107.8	30.01	5.583	29.56	0
10/22/20 9:00	0.473	3.729	49.89	6.083	29.56	0
10/22/20 9:21	1.358	243.4	14.24	6.061	29.56	0
10/22/20 9:36	1.207	216.7	12.47	6.559	29.56	0
10/22/20 9:55	1.927	231.8	24.89	7.031	29.58	0
10/22/20 10:10	3.06	202.3	16.49	7.214	29.58	0
10/22/20 10:15	2.359	206.2	32.5	7.618	29.58	0
10/22/20 10:42	2.078	258.7	20.24	7.971	29.58	0
10/22/20 10:51	1.355	322.6	42.95	8.12	29.56	0
10/22/20 11:14	1.273	354.3	33.35	7.924	29.56	0
10/22/20 11:15	2.222	335.7	43.2	7.982	29.56	0
10/22/20 11:45	1.682	342.9	55.83	8.46	29.56	0
10/22/20 11:45	2.341	282.5	24.44	9.41	29.57	0
10/22/20 12:10	4.113	348.2	47.78	9.51	29.57	0
10/22/20 12:18	4.103	46.24	18	9.04	29.57	0
10/22/20 12:35	3.589	353.6	26.16	9.74	29.57	0
10/22/20 12:46	3.448	295.4	20.24	9.92	29.56	0
10/22/20 13:12	3.187	329.8	73.47	10.33	29.56	0
10/22/20 13:24	5.82	23.81	12.4	9.86	29.56	0
10/22/20 13:36	4.762	6.22	27.65	10.22	29.56	0
10/22/20 13:48	4.162	5.539	27.78	10.62	29.53	0
10/22/20 14:00	3.839	320.3	22.77	10.52	29.53	0
10/22/20 14:21	4.039	347.3	32.08	10.58	29.53	0
10/22/20 14:35	5.963	20.6	18.14	10.43	29.53	0
10/22/20 14:53	7.408	25.77	9.03	10.11	29.54	0
10/22/20 15:11	6.46	20.15	10.37	9.86	29.54	0
10/22/20 15:21	5.53	8.56	15.7	9.67	29.54	0
10/22/20 15:32	5.456	341.7	19.9	9.79	29.54	0
10/22/20 15:53	5.128	343.7	13.41	9.62	29.53	0
10/22/20 16:02	3.092	347.5	11.21	9.66	29.53	0
10/22/20 16:29	2.903	358.5	13.56	9.53	29.53	0
10/22/20 16:32	3.364	353.4	17.01	9.29	29.53	0
10/22/20 16:58	3.328	338.5	13.77	8.99	29.52	0
10/22/20 17:05	3.389	22.03	14	8.35	29.52	0
10/22/20 17:29	3.813	28.95	19.86	7.864	29.52	0
10/22/20 17:30	5.243	28.49	7.696	7.448	29.52	0
10/22/20 17:50	4.546	31.46	10.03	6.954	29.53	0
10/22/20 18:09	3.816	41.56	8.41	6.959	29.53	0
10/22/20 18:20	3.35	47.91	7.182	6.555	29.53	0
10/22/20 18:30	1.753	35.71	11.38	6.256	29.53	0
10/22/20 18:55	3.258	30.47	11.94	6.003	29.51	0
10/22/20 19:14	3.329	78.33	36.94	5.644	29.51	0
10/22/20 19:15	3.095	152.2	11.01	5.415	29.51	0
10/22/20 19:35	3.154	186.5	8.9	6.341	29.51	0
10/22/20 19:47	3.515	176.9	14.69	5.434	29.51	0
10/22/20 20:01	2.186	126.1	13.47	5.166	29.51	0
10/22/20 20:29	2.557	116.7	17.17	4.447	29.51	0
10/22/20 20:31	3.59	153.5	6.485	5.044	29.51	0
10/22/20 20:49	2.936	150.4	7.218	5.036	29.51	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/22/20 21:11	2.806	146.9	7.632	4.864	29.51	0
10/22/20 21:24	3.666	158.5	6.987	4.575	29.51	0
10/22/20 21:37	4.09	164.6	4.151	4.444	29.51	0
10/22/20 21:54	3.498	167.1	10.29	4.391	29.51	0
10/22/20 22:03	3.495	176.9	8.15	4.462	29.51	0
10/22/20 22:17	2.911	174.6	5.684	4.226	29.51	0
10/22/20 22:34	2.575	155.4	6.71	4.218	29.51	0
10/22/20 22:56	2.583	160.2	16	4.017	29.49	0
10/22/20 23:14	3.696	146.5	12.9	4.065	29.49	0
10/22/20 23:18	3.365	175.3	13.22	3.831	29.49	0
10/22/20 23:36	2.797	163.5	9.21	3.845	29.49	0
10/22/20 23:50	1.238	164.6	8.72	3.903	29.48	0
10/23/20 0:13	1.559	135.2	4.25	3.969	29.48	0
10/23/20 0:23	3.329	149.1	10.82	4.052	29.48	0
10/23/20 0:36	2.741	138.9	6.885	3.863	29.48	0
10/23/20 0:58	3.1	148.3	8.58	3.831	29.44	0
10/23/20 1:14	3.905	124	7.183	3.969	29.44	0
10/23/20 1:18	4.812	123.1	6.368	4.045	29.44	0
10/23/20 1:40	5.332	137.8	11.06	3.976	29.44	0
10/23/20 1:56	5.956	145.1	5.531	4.188	29.39	0
10/23/20 2:02	5.754	143	9.39	4.643	29.39	0
10/23/20 2:22	4.554	130.3	10.33	5.096	29.39	0
10/23/20 2:30	4.573	153	6.495	5.045	29.39	0
10/23/20 2:49	5.825	159.3	9.67	5.151	29.37	0
10/23/20 3:06	6.872	149.3	7.102	5.273	29.37	0
10/23/20 3:23	6.831	167.1	11.35	5.489	29.37	0
10/23/20 3:41	7.505	160.8	10.93	5.496	29.37	0
10/23/20 3:57	7.889	157.7	8.1	5.622	29.32	0
10/23/20 4:04	7.739	163.3	10.35	5.695	29.32	0
10/23/20 4:17	7.376	165.3	12.28	5.961	29.32	0
10/23/20 4:30	6.263	178.4	14	5.778	29.32	0
10/23/20 4:46	5.724	188.8	14.01	5.682	29.28	0
10/23/20 5:04	6.579	165.6	10.68	6.008	29.28	0
10/23/20 5:17	5.28	159.3	10.89	6.265	29.28	0
10/23/20 5:36	4.283	183.2	10.91	6.394	29.28	0
10/23/20 5:47	4.142	96.6	75.98	5.689	29.28	0
10/23/20 6:13	2.7	250.2	66.47	4.772	29.28	0
10/23/20 6:23	6.874	191.2	48.21	6.367	29.28	0
10/23/20 6:43	4.77	162.5	27.19	6.405	29.28	0
10/23/20 6:46	6.736	117.3	16.98	6.464	29.25	0
10/23/20 7:13	8.92	123.8	13.62	6.735	29.25	0
10/23/20 7:29	9.53	127.9	11.68	7.264	29.25	0
10/23/20 7:32	11.35	142.4	39.22	6.589	29.25	0
10/23/20 7:54	9.17	160.7	15.9	5.57	29.22	0.01
10/23/20 8:12	9.71	146.3	9.67	4.811	29.22	0.01
10/23/20 8:28	10.1	138.1	12.49	4.773	29.22	0
10/23/20 8:33	9.82	152.4	13.27	4.904	29.22	0
10/23/20 8:45	9.15	155.3	13.09	4.784	29.2	0.01
10/23/20 9:05	8.11	159.1	10.46	4.727	29.2	0
10/23/20 9:17	5.697	172.9	22.11	4.888	29.2	0
10/23/20 9:39	6.475	187.5	16.08	5.092	29.2	0
10/23/20 9:46	5.976	179.3	14.54	4.664	29.19	0
10/23/20 10:07	4.531	133.3	8.98	4.744	29.19	0
10/23/20 10:19	4.254	125	11.01	4.937	29.19	0
10/23/20 10:41	6.219	127.8	7.699	5.237	29.19	0
10/23/20 10:56	7.021	143.2	12.45	5.862	29.13	0
10/23/20 11:11	5.083	187.5	12.86	6.012	29.13	0
10/23/20 11:16	3.989	183.2	13.26	5.935	29.13	0
10/23/20 11:41	4.617	160.1	22.94	5.807	29.13	0
10/23/20 11:57	7.304	125.9	9.2	6.048	29.09	0
10/23/20 12:11	7.855	126.9	12.47	6.288	29.09	0
10/23/20 12:27	8.4	116.3	9.79	6.184	29.09	0
10/23/20 12:33	7.574	120.3	11.63	6.197	29.09	0
10/23/20 12:57	7.433	132.2	12.01	6.351	29.05	0
10/23/20 13:05	7.765	131.6	10.53	6.519	29.05	0
10/23/20 13:29	7.909	118.9	12.28	6.686	29.05	0
10/23/20 13:31	7.308	129.3	11.94	6.921	29.05	0
10/23/20 13:47	6.088	134.2	8.96	7.261	29.02	0
10/23/20 14:08	6.905	138	8.49	7.444	29.02	0
10/23/20 14:18	7.916	135.7	8.59	7.66	29.02	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/23/20 14:36	7.449	131.6	12.26	7.806	29.02	0
10/23/20 14:59	6.233	120.4	9.15	7.931	28.97	0
10/23/20 15:12	6.94	132	9.55	8.08	28.97	0
10/23/20 15:19	7.114	137.6	12.17	8.35	28.97	0
10/23/20 15:32	4.8	121.5	21.61	8.69	28.97	0
10/23/20 15:59	2.564	111.4	67.82	8.94	28.97	0
10/23/20 16:00	2.276	214.2	66.92	9.25	28.97	0
10/23/20 16:17	1.153	295.8	35.85	9.06	28.97	0
10/23/20 16:40	0.622	27.62	37.71	8.89	28.97	0
10/23/20 16:59	0.22	56.72	8.78	8.93	28.97	0
10/23/20 17:14	2.415	6.518	10.99	8.86	28.97	0
10/23/20 17:16	2.201	325.8	22.52	8.81	28.97	0
10/23/20 17:44	3.963	351.2	31.57	8.44	28.97	0
10/23/20 17:54	6.396	15.67	8.27	7.754	28.98	0
10/23/20 18:11	6.296	23.57	5.549	7.468	28.98	0
10/23/20 18:26	8.56	25.54	8.53	7.215	28.98	0.01
10/23/20 18:30	6.072	13.44	10.5	7.169	28.98	0.02
10/23/20 18:58	6.479	345.6	15.95	7.298	29.01	0.02
10/23/20 19:14	9.3	323.4	6.1	7.379	29.01	0.01
10/23/20 19:21	10.32	318.2	6.647	7.338	29.01	0
10/23/20 19:35	9.1	319.3	8.9	7.194	29.01	0
10/23/20 19:58	7.115	312.3	5.756	7.101	29.03	0
10/23/20 20:03	9.8	318.2	6.801	6.954	29.03	0.01
10/23/20 20:28	10.17	321.3	14.05	6.958	29.03	0
10/23/20 20:32	10.24	316.2	9.73	6.964	29.03	0
10/23/20 20:46	9.6	302.7	15.61	6.95	29.04	0
10/23/20 21:03	8.94	301.5	9.35	6.913	29.04	0
10/23/20 21:29	9.94	316.4	13.5	6.767	29.04	0
10/23/20 21:40	8.79	327.2	19.33	6.635	29.04	0
10/23/20 21:55	8.96	313.3	11.45	6.472	29.08	0
10/23/20 22:07	9.67	315.7	11.97	6.175	29.08	0
10/23/20 22:23	10.04	319.5	9.71	5.854	29.08	0.01
10/23/20 22:30	10.27	320.7	9.45	5.792	29.08	0.01
10/23/20 22:47	11.39	319.8	7.734	5.583	29.12	0
10/23/20 23:11	11.57	323.8	8.71	5.379	29.12	0
10/23/20 23:23	10.99	328.4	9.1	5.264	29.12	0
10/23/20 23:43	11.03	329.8	10.04	5.13	29.12	0.01
10/23/20 23:47	9.68	344.9	19.21	5.172	29.14	0
10/24/20 0:05	6.869	33.49	19	5.089	29.14	0
10/24/20 0:27	6.436	15.82	16.75	5.092	29.14	0
10/24/20 0:39	7.617	2.217	15.79	5.179	29.14	0
10/24/20 0:56	8.61	4.659	12.24	5.158	29.14	0
10/24/20 1:02	7.347	3.366	11.08	5.028	29.14	0
10/24/20 1:19	6.068	358.8	11.33	4.95	29.14	0
10/24/20 1:37	7.307	3.129	10.67	5.017	29.14	0
10/24/20 1:47	6.325	5.92	11.14	4.991	29.19	0
10/24/20 2:10	7.115	14.35	9.51	4.906	29.19	0
10/24/20 2:28	5.746	9.32	11.68	4.944	29.19	0
10/24/20 2:39	6.161	11.38	12.42	4.965	29.19	0
10/24/20 2:58	6.233	8.24	14.07	4.918	29.21	0
10/24/20 3:01	5.062	6.137	12.24	5.015	29.21	0
10/24/20 3:21	5.887	331.4	30.61	5.288	29.21	0
10/24/20 3:36	6.153	325.2	23.93	5.269	29.21	0
10/24/20 3:45	2.512	126.8	40.6	4.78	29.21	0
10/24/20 4:07	1.022	60.94	38.78	4.611	29.21	0
10/24/20 4:29	1.164	36.47	12.05	4.489	29.21	0
10/24/20 4:34	3.301	13.47	8.25	4.515	29.21	0
10/24/20 4:53	2.211	18.54	12.06	4.549	29.26	0
10/24/20 5:11	1.258	351.7	32.54	4.605	29.26	0
10/24/20 5:16	6.018	344	16.5	4.232	29.26	0
10/24/20 5:37	9.6	346.5	14.63	4.635	29.26	0
10/24/20 5:45	4.553	18.95	21.34	4.387	29.3	0
10/24/20 6:09	3.399	17.88	22	3.924	29.3	0
10/24/20 6:17	5.39	340.9	13.09	4.018	29.3	0
10/24/20 6:37	4.164	335.1	14.4	3.861	29.3	0
10/24/20 6:56	4.412	336.6	14.13	4.022	29.31	0
10/24/20 7:07	6.165	336.7	17.73	4.266	29.31	0
10/24/20 7:15	3.766	331.2	23.38	4.157	29.31	0
10/24/20 7:37	4.354	12.79	14.02	3.921	29.31	0
10/24/20 7:57	4.97	3.273	14.08	4.032	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
10/24/20 8:08	7.927	16.56	12.38	4.293	29.33	0
10/24/20 8:16	8.22	11.44	9.13	4.285	29.33	0
10/24/20 8:39	8.28	13.14	8.9	4.015	29.33	0
10/24/20 8:46	6.683	7.192	12.52	4.527	29.35	0
10/24/20 9:11	6.542	9.6	10.74	4.744	29.35	0
10/24/20 9:20	7.237	15	10.44	4.702	29.35	0
10/24/20 9:43	8.54	10.39	10.71	4.959	29.35	0
10/24/20 9:54	10.02	8.55	11.98	5.418	29.37	0
10/24/20 10:12	11.85	10.95	13.62	5.576	29.37	0
10/24/20 10:17	12.97	15.79	9.48	5.363	29.37	0
10/24/20 10:41	11.33	3.643	13.58	5.683	29.37	0
10/24/20 10:51	11.08	7.965	16.71	6.108	29.39	0
10/24/20 11:06	14.36	16.48	11.49	5.861	29.39	0
10/24/20 11:25	15.91	16.09	10.5	5.516	29.39	0
10/24/20 11:44	15.09	16.47	10.5	5.443	29.39	0
10/24/20 11:53	16.02	14.11	10.24	5.723	29.39	0
10/24/20 12:09	16.09	16.32	10.08	6.145	29.39	0
10/24/20 12:24	16.36	22.5	9.6	6.495	29.39	0
10/24/20 12:36	16.25	17.87	12.01	6.636	29.39	0
10/24/20 12:59	16.4	17.21	11.43	6.853	29.4	0
10/24/20 13:13	17.02	18.07	9.56	7.06	29.4	0
10/24/20 13:17	17.27	14.38	10.23	6.67	29.4	0
10/24/20 13:30	15.14	22.34	8.83	6.798	29.4	0
10/24/20 13:59	13.73	14.78	10.03	6.55	29.42	0
10/24/20 14:07	13.8	17.21	11.57	6.622	29.42	0
10/24/20 14:22	13.3	18.01	10.28	6.678	29.42	0
10/24/20 14:33	12.65	16.78	14.35	6.897	29.42	0
10/24/20 14:58	13.73	14.93	10.98	6.449	29.43	0
10/24/20 15:10	13.94	19.69	9.43	6.509	29.43	0
10/24/20 15:15	12.51	12.43	11.52	6.661	29.43	0
10/24/20 15:33	9.99	13.08	12.82	6.533	29.43	0
10/24/20 15:59	8.86	14.66	9.87	6.506	29.46	0
10/24/20 16:06	9.24	11.35	11.3	6.444	29.46	0
10/24/20 16:27	7.215	12.32	10.28	6.374	29.46	0
10/24/20 16:33	5.325	7.265	9.9	6.418	29.46	0
10/24/20 16:55	5.529	0.047	12.04	6.341	29.48	0
10/24/20 17:02	6.002	14.65	15.02	6.068	29.48	0
10/24/20 17:15	4.185	25.25	13.69	5.988	29.48	0
10/24/20 17:40	5.029	27.79	23.38	5.937	29.48	0
10/24/20 17:59	5.363	36.92	14.8	5.812	29.47	0
10/24/20 18:03	5.573	39.67	18.51	5.779	29.47	0
10/24/20 18:21	5.362	25.52	21.28	5.474	29.47	0
10/24/20 18:30	2.421	31.93	45.39	5.516	29.47	0
10/24/20 18:56	2.358	336.2	36.29	5.307	29.51	0
10/24/20 19:06	2.036	50.43	46.66	5.09	29.51	0
10/24/20 19:21	2.584	73.03	40.78	4.92	29.51	0
10/24/20 19:41	2.33	76.16	26.3	4.901	29.51	0
10/24/20 19:51	3.383	100.4	18.78	4.827	29.53	0
10/24/20 20:02	4.087	91.4	18.69	4.677	29.53	0
10/24/20 20:29	3.29	90.4	18.21	4.506	29.53	0
10/24/20 20:44	6.44	95	12.29	4.529	29.53	0
10/24/20 20:45	4.434	89.1	13.55	4.235	29.54	0
10/24/20 21:05	4.013	80.4	14.6	4.135	29.54	0
10/24/20 21:26	4.967	88.3	16.68	3.96	29.54	0
10/24/20 21:36	7.073	95.7	11.06	3.937	29.54	0
10/24/20 21:59	7.243	98.8	10.59	3.839	29.56	0
10/24/20 22:07	7.473	104.1	10.66	3.713	29.56	0
10/24/20 22:21	7.782	108.5	10.51	3.753	29.56	0
10/24/20 22:33	7.446	107.5	11.44	3.612	29.56	0
10/24/20 22:45	6.804	105.1	9.12	3.507	29.59	0
10/24/20 23:00	6.228	102.8	7.783	3.578	29.59	0
10/24/20 23:25	5.213	103.6	10.81	3.442	29.59	0
10/24/20 23:41	5.873	102.9	8.21	3.211	29.59	0
10/24/20 23:55	5.906	96	7.198	3.115	29.59	0
10/25/20 0:07	5.981	91.8	8.85	3.238	29.59	0
10/25/20 0:26	5.088	84.4	11.57	3.112	29.59	0
10/25/20 0:37	5.073	87.9	17.11	2.86	29.59	0
10/25/20 0:47	3.743	53.45	19.23	2.135	29.61	0
10/25/20 1:11	4.218	37.76	9.55	1.749	29.61	0
10/25/20 1:26	4.374	47.22	14.63	1.523	29.61	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/25/20 1:43	4.113	46.95	13.81	1.581	29.61	0
10/25/20 1:58	5.121	89.4	13.52	2.227	29.6	0
10/25/20 2:00	5.65	94.8	9.33	2.387	29.6	0
10/25/20 2:15	5.09	86.8	8.33	2.428	29.6	0
10/25/20 2:41	5.641	84.1	8.2	2.256	29.6	0
10/25/20 2:50	5.663	85.8	10.51	2.396	29.64	0
10/25/20 3:13	5.775	80.4	10.45	1.924	29.64	0
10/25/20 3:23	5.642	83.1	12.56	1.797	29.64	0
10/25/20 3:34	6.137	79.82	10.29	2.32	29.64	0
10/25/20 3:46	4.642	69.99	10.48	2.305	29.65	0
10/25/20 4:02	4.09	77.56	20.35	2.211	29.65	0
10/25/20 4:26	2.187	1.093	30.56	1.886	29.65	0
10/25/20 4:34	3.929	17.14	12.84	1.111	29.65	0
10/25/20 4:59	2.818	46.09	34.24	1.193	29.64	0
10/25/20 5:14	6.854	94.8	14.47	1.285	29.64	0
10/25/20 5:25	5.942	99.2	13.03	1.533	29.64	0
10/25/20 5:43	6.019	95.9	15.54	1.394	29.64	0
10/25/20 5:52	6.704	94.1	12.42	1.499	29.68	0
10/25/20 6:00	4.957	42.19	19.51	0.655	29.68	0
10/25/20 6:29	4.654	24.86	6.584	-0.101	29.68	0
10/25/20 6:34	4.298	19.25	12.65	-0.528	29.68	0
10/25/20 6:58	4.837	45.93	23.64	-0.179	29.67	0
10/25/20 7:02	5.669	47.51	14.78	-0.761	29.67	0
10/25/20 7:16	5.232	30.89	6.549	-0.547	29.67	0
10/25/20 7:42	5.317	53.04	24.51	1.211	29.67	0
10/25/20 7:58	7.299	83.4	23.53	2.268	29.71	0
10/25/20 8:06	6.778	76.27	22.5	3.115	29.71	0
10/25/20 8:17	7.374	88	16.16	3.136	29.71	0
10/25/20 8:37	5.905	78.92	19.57	2.796	29.71	0
10/25/20 8:55	6.191	76.95	20.49	2.122	29.71	0
10/25/20 9:12	7.54	95.7	13.19	3.816	29.71	0
10/25/20 9:27	7.936	89.8	20.04	4.635	29.71	0
10/25/20 9:44	8.95	87.7	17.11	4.784	29.71	0
10/25/20 9:45	9.86	90.3	15.64	4.945	29.7	0
10/25/20 10:00	8.79	81.4	19.61	5.061	29.7	0
10/25/20 10:16	9.51	87.4	15.07	5.109	29.7	0
10/25/20 10:32	8.28	94.9	15.43	5.277	29.7	0
10/25/20 10:47	7.341	109	17.35	5.505	29.72	0
10/25/20 11:03	8.68	96	16.36	5.548	29.72	0
10/25/20 11:24	7.385	88.8	16.36	6.068	29.72	0
10/25/20 11:36	8.51	93.4	14.11	6.348	29.72	0
10/25/20 11:54	8.01	73.6	21.32	6.372	29.7	0
10/25/20 12:11	5.628	85	22.51	7.09	29.7	0
10/25/20 12:20	8.36	67.75	19.71	6.91	29.7	0
10/25/20 12:41	5.28	61.03	28.84	7.213	29.7	0
10/25/20 12:49	7.289	20.51	13.44	7.159	29.69	0
10/25/20 13:14	6.991	17.63	15.59	7.658	29.69	0
10/25/20 13:16	6.696	18.41	14.75	7.624	29.69	0
10/25/20 13:41	5.728	346.1	20.33	7.844	29.69	0
10/25/20 13:46	5.971	14.94	13.45	7.713	29.67	0
10/25/20 14:12	5.858	15.75	16.78	8	29.67	0
10/25/20 14:25	5.155	0.528	22.25	7.937	29.67	0
10/25/20 14:33	5.989	24.28	14.94	7.98	29.67	0
10/25/20 14:55	5.186	16.96	15.94	8.09	29.67	0
10/25/20 15:11	5.297	15.46	9.95	7.947	29.67	0
10/25/20 15:16	5.281	12.59	9.58	7.695	29.67	0
10/25/20 15:33	5.381	16.86	16.76	7.496	29.67	0
10/25/20 15:45	8.03	15.41	9.53	7.137	29.67	0
10/25/20 16:02	7.551	20.34	11.99	6.418	29.67	0
10/25/20 16:18	7.488	22.43	12.54	6.095	29.67	0
10/25/20 16:32	7.587	16.81	8.59	5.884	29.67	0
10/25/20 16:45	4.387	34.87	16.71	5.817	29.65	0
10/25/20 17:13	4.183	37.06	21.1	5.416	29.65	0
10/25/20 17:15	4.008	32.05	9.27	4.906	29.65	0
10/25/20 17:42	3.982	23.98	10.24	4.537	29.65	0
10/25/20 17:47	4.943	30.77	16.49	4.314	29.68	0
10/25/20 18:02	2.748	37.64	26.24	4.23	29.68	0
10/25/20 18:26	3.288	38.26	11.17	4.07	29.68	0
10/25/20 18:43	2.904	14.63	23.41	3.751	29.68	0
10/25/20 18:50	3.569	11.98	24.04	3.699	29.68	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/25/20 19:11	3.788	20.24	15.17	3.357	29.68	0
10/25/20 19:15	3.175	39.55	9.15	2.488	29.68	0
10/25/20 19:36	4.193	27.6	13.81	2.174	29.68	0
10/25/20 19:50	5.39	39.66	16.07	2.186	29.66	0
10/25/20 20:09	5.174	46.12	8.14	1.598	29.66	0
10/25/20 20:19	5.024	49.2	13.1	2.433	29.66	0
10/25/20 20:34	4.639	10.99	7.413	2.144	29.66	0
10/25/20 20:52	3.645	11.96	7.407	1.805	29.69	0
10/25/20 21:11	4.368	7.351	8.86	1.738	29.69	0
10/25/20 21:18	2.774	28.32	8.97	1.489	29.69	0
10/25/20 21:42	3.269	33.99	7.883	1.532	29.69	0
10/25/20 21:58	3.484	39.18	5.63	1.724	29.68	0
10/25/20 22:07	3.359	32.51	6.66	1.472	29.68	0
10/25/20 22:27	3.491	35.04	12.39	1.139	29.68	0
10/25/20 22:34	4.517	7.508	7.393	1.188	29.68	0
10/25/20 22:50	3.641	9.77	6.785	0.748	29.66	0
10/25/20 23:11	2.96	10.82	3.45	1.067	29.66	0
10/25/20 23:15	2.305	29.03	21.5	1.065	29.66	0
10/25/20 23:37	2.166	63.82	5.031	1.295	29.66	0
10/25/20 23:45	0.357	72.54	0.067	1.314	29.68	0
10/26/20 0:00	0	0	0	1.927	29.68	0
10/26/20 0:29	0.043	22.63	0.955	1.996	29.68	0
10/26/20 0:32	1.614	9.4	3.57	1.055	29.68	0
10/26/20 0:53	1.941	355.9	13.01	1.579	29.66	0
10/26/20 1:03	1.724	325.6	11.48	1.839	29.66	0
10/26/20 1:27	0.462	141	54.72	1.508	29.66	0
10/26/20 1:33	0.895	87.6	25.35	1.464	29.66	0
10/26/20 1:45	0	0	0	1.537	29.66	0
10/26/20 2:00	0	0	0	2.004	29.66	0
10/26/20 2:26	0.796	40.13	18.98	2.191	29.66	0
10/26/20 2:30	0.128	41.88	7.499	1.968	29.66	0
10/26/20 2:53	1.662	65.96	9.69	1.647	29.67	0
10/26/20 3:00	1.177	78.42	0.557	1.913	29.67	0
10/26/20 3:26	1.284	6.841	42.8	2.293	29.67	0
10/26/20 3:38	1.751	330.8	6.092	2.331	29.67	0
10/26/20 3:50	1.286	360	7.473	2.387	29.65	0
10/26/20 4:14	2.46	6.5	4.462	1.454	29.65	0
10/26/20 4:22	3.994	14.54	6.372	0.876	29.65	0
10/26/20 4:31	3.039	19.33	7.672	1.061	29.65	0
10/26/20 4:54	3.015	22.54	16.37	1.064	29.64	0
10/26/20 5:14	3.525	15.02	10.65	1.114	29.64	0
10/26/20 5:28	3.878	358.6	14.64	1.197	29.64	0
10/26/20 5:40	5.646	18.1	7.055	0.846	29.64	0
10/26/20 5:51	3.428	40.97	13.7	0.911	29.64	0
10/26/20 6:01	1.631	61.26	17.92	1.407	29.64	0
10/26/20 6:18	3.186	12.62	7.039	1.588	29.64	0
10/26/20 6:32	2.998	359.1	22.67	1.088	29.64	0
10/26/20 6:53	2.146	330.4	13.56	1.216	29.65	0
10/26/20 7:11	2.691	2.434	17.66	1.713	29.65	0
10/26/20 7:15	3.081	3.177	27.17	1.221	29.65	0
10/26/20 7:30	1.743	345.3	11.62	1.757	29.65	0
10/26/20 7:45	0.956	17.94	26.21	2.037	29.65	0
10/26/20 8:03	2.656	28.79	11.52	1.701	29.65	0
10/26/20 8:26	1.941	13.82	27.95	2.279	29.65	0
10/26/20 8:33	1.858	47.81	16.34	2.972	29.65	0
10/26/20 8:57	2.089	37.89	13.38	3.134	29.65	0
10/26/20 9:08	2.01	9.79	10.01	3.344	29.65	0
10/26/20 9:28	1.169	348.8	38.36	3.862	29.65	0
10/26/20 9:35	1.918	308.1	26.2	4.356	29.65	0
10/26/20 9:46	2.257	21.38	16.58	4.748	29.67	0
10/26/20 10:08	3.323	30.24	21.51	5.082	29.67	0
10/26/20 10:16	3.008	11.92	17.37	5.053	29.67	0
10/26/20 10:30	1.315	341	57.09	6.12	29.67	0
10/26/20 10:48	2.447	218.2	19.75	6.248	29.64	0
10/26/20 11:14	2.088	255.8	40.06	7.026	29.64	0
10/26/20 11:15	2.554	285	61.28	7.269	29.64	0
10/26/20 11:36	2.56	17.44	34.51	7.825	29.64	0
10/26/20 11:56	3.035	18.6	17.01	7.986	29.65	0
10/26/20 12:00	3.767	22.39	28.25	8.08	29.65	0
10/26/20 12:19	3.297	4.138	19.3	8.57	29.65	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/26/20 12:30	1.729	326.2	59.59	9.43	29.65	0
10/26/20 12:57	2.815	358.2	17.67	9.45	29.64	0
10/26/20 13:05	2.416	350.2	44.43	9.1	29.64	0
10/26/20 13:28	4.212	253.2	15.03	9.09	29.64	0
10/26/20 13:31	6.988	270.1	7.78	8.79	29.64	0
10/26/20 13:49	5.865	268.3	9.23	8.65	29.62	0
10/26/20 14:06	2.428	278.9	23.14	8.74	29.62	0
10/26/20 14:25	2.444	311.4	59.41	9.08	29.62	0
10/26/20 14:43	6.225	263.4	6.397	8.85	29.62	0
10/26/20 14:55	6.085	258.2	6.922	8.62	29.61	0
10/26/20 15:14	5.033	260.9	8.5	8.6	29.61	0
10/26/20 15:15	4.325	276.7	12.07	8.75	29.61	0
10/26/20 15:35	3.606	283.1	18.27	8.87	29.61	0
10/26/20 15:55	3.883	355.3	21.77	8.98	29.61	0
10/26/20 16:07	4.13	353.8	18.4	8.64	29.61	0
10/26/20 16:21	5.569	339.9	11.15	8.53	29.61	0
10/26/20 16:32	4.38	349	17.97	8.25	29.61	0
10/26/20 16:58	5.246	310.2	9.4	7.803	29.63	0
10/26/20 17:13	7.289	305.8	3.731	7.595	29.63	0
10/26/20 17:15	7.718	299.5	6.422	7.394	29.63	0
10/26/20 17:33	7.258	291.6	4.825	7.121	29.63	0
10/26/20 18:00	8.08	298.9	4.393	7.075	29.62	0
10/26/20 18:03	10.07	305.9	5.501	6.99	29.62	0
10/26/20 18:16	6.854	316.9	7.133	6.921	29.62	0
10/26/20 18:30	2.195	343.6	20.1	6.873	29.62	0
10/26/20 18:57	2.964	357.9	14.74	7.056	29.61	0
10/26/20 19:14	5.566	19.32	11.55	6.877	29.61	0
10/26/20 19:18	5.817	22.63	12.62	6.926	29.61	0
10/26/20 19:37	7.565	21.31	8.17	6.963	29.61	0
10/26/20 19:47	7.218	19.38	11.61	7.089	29.63	0
10/26/20 20:13	6.392	15.55	10.73	7.041	29.63	0
10/26/20 20:25	7.327	14.04	7.124	6.896	29.63	0
10/26/20 20:37	8.33	20.37	5.55	6.774	29.63	0
10/26/20 20:45	7.372	27.3	6.377	6.943	29.63	0
10/26/20 21:00	6.746	33.51	10.29	6.921	29.63	0
10/26/20 21:27	6.801	32.27	8.83	6.886	29.63	0
10/26/20 21:40	6.524	32.91	7.11	6.706	29.63	0
10/26/20 21:59	6.864	31.61	7.878	6.751	29.6	0
10/26/20 22:03	6.25	31.81	7.224	6.706	29.6	0
10/26/20 22:24	5.3	35.28	7.22	6.602	29.6	0
10/26/20 22:33	4.614	23.9	6.028	6.499	29.6	0
10/26/20 22:59	3.474	23.82	7.704	6.431	29.61	0
10/26/20 23:02	3.731	15.82	7.414	6.501	29.61	0
10/26/20 23:15	3.02	21.58	7.704	6.471	29.61	0
10/26/20 23:30	1.887	30.29	8.19	6.467	29.61	0
10/26/20 23:57	1.058	32.89	17.41	6.477	29.62	0
10/27/20 0:08	3.926	37.7	7.578	6.54	29.62	0
10/27/20 0:19	2.722	49.18	12.71	6.326	29.62	0
10/27/20 0:36	2.596	69.09	9.74	6.484	29.62	0
10/27/20 0:56	2.808	37	15.92	6.598	29.58	0
10/27/20 1:11	3.894	28.16	8.39	6.502	29.58	0
10/27/20 1:17	2.764	2.466	18.63	6.277	29.58	0
10/27/20 1:44	3.632	260	14.69	6.407	29.58	0
10/27/20 1:47	2.967	247.9	4.891	6.59	29.61	0
10/27/20 2:07	1.932	247.9	10.15	6.635	29.61	0
10/27/20 2:21	1.464	176.3	37.06	6.476	29.61	0
10/27/20 2:33	0.775	93	18.38	6.119	29.61	0
10/27/20 2:57	1.023	335.9	6.667	6.357	29.58	0
10/27/20 3:06	1.998	345.7	4.218	6.501	29.58	0
10/27/20 3:15	1.207	341.2	4.383	6.599	29.58	0
10/27/20 3:30	1.309	335.4	7.283	6.706	29.58	0
10/27/20 3:45	0.357	328.9	0.051	6.867	29.57	0
10/27/20 4:13	3.259	181	46.53	6.42	29.57	0
10/27/20 4:29	4.955	183.8	8.48	5.899	29.57	0
10/27/20 4:30	4.331	195.1	5.865	6.058	29.57	0
10/27/20 4:45	3.73	185.1	12.42	6.034	29.59	0
10/27/20 5:00	3.426	145.1	10.13	5.851	29.59	0
10/27/20 5:19	3.995	134.9	5.79	5.752	29.59	0
10/27/20 5:31	2.745	164.9	20.53	5.797	29.59	0
10/27/20 5:59	3.514	153.2	16.99	5.791	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
10/27/20 6:02	3.068	116.8	5.763	5.616	29.56	0
10/27/20 6:15	3.579	131.8	9.1	5.621	29.56	0
10/27/20 6:34	3.275	130.5	7.167	5.598	29.56	0
10/27/20 6:56	2.907	180.6	21.27	5.727	29.58	0
10/27/20 7:10	4.149	151.1	26.6	5.701	29.58	0
10/27/20 7:15	3.055	124.5	10.6	5.568	29.58	0
10/27/20 7:44	2.388	160.7	30.25	5.797	29.58	0
10/27/20 7:46	3.753	187.6	10.58	5.996	29.58	0
10/27/20 8:03	3.403	197.3	12.79	6.037	29.58	0
10/27/20 8:15	2.088	162.4	13.53	6.312	29.58	0
10/27/20 8:36	1.734	211	21.88	6.424	29.58	0
10/27/20 8:54	1.352	258.5	28.59	6.715	29.59	0
10/27/20 9:13	0.467	253.3	56.53	7.348	29.59	0
10/27/20 9:24	0.529	230.9	26.16	7.436	29.59	0
10/27/20 9:42	1.62	95	34.98	8.47	29.59	0
10/27/20 9:59	1.345	199.3	46.93	9.14	29.58	0
10/27/20 10:00	2.17	210	31.07	8.97	29.58	0
10/27/20 10:15	1.848	237.7	37.88	9.48	29.58	0
10/27/20 10:41	1.671	118.9	52.51	10.12	29.58	0
10/27/20 10:46	3.285	172.2	51.02	10.62	29.58	0
10/27/20 11:08	3.405	222.5	28.55	10.15	29.58	0
10/27/20 11:24	2.865	206	16.92	10.22	29.58	0
10/27/20 11:30	1.6	193.6	72.09	10.42	29.58	0
10/27/20 11:54	1.788	221	23.53	10.89	29.56	0
10/27/20 12:12	1.442	222.5	32.63	11.47	29.56	0
10/27/20 12:18	2.262	254	41.43	11.75	29.56	0
10/27/20 12:44	1.833	278.7	34.09	12.32	29.56	0
10/27/20 12:58	3.515	236.7	25.66	12.47	29.5	0
10/27/20 13:13	3.48	222.8	29.32	12.74	29.5	0
10/27/20 13:29	4.007	265.3	15.96	12.55	29.5	0
10/27/20 13:32	6.368	264.2	12.38	12.29	29.5	0
10/27/20 13:59	5.661	256.2	13.14	12.18	29.5	0
10/27/20 14:12	8.06	262.3	8.92	12.15	29.5	0
10/27/20 14:29	6.421	259.4	17.04	12.5	29.5	0
10/27/20 14:30	5.165	249.2	19.21	12.72	29.5	0
10/27/20 14:49	5.653	233	10.93	12.83	29.51	0
10/27/20 15:07	5.232	245.2	14.55	12.67	29.51	0
10/27/20 15:29	3.997	269.2	23.47	12.84	29.51	0
10/27/20 15:31	3.591	279	15.81	12.91	29.51	0
10/27/20 15:51	5.195	260.3	12.5	12.63	29.49	0
10/27/20 16:08	5.831	264	10.41	12.32	29.49	0
10/27/20 16:21	6.011	246.2	9.06	12.1	29.49	0
10/27/20 16:30	6.272	250.4	4.351	11.64	29.49	0
10/27/20 16:49	5.019	245.5	4.523	11.25	29.49	0
10/27/20 17:01	3.994	244.1	4.484	10.98	29.49	0
10/27/20 17:24	4.415	234.1	5.099	10.9	29.49	0
10/27/20 17:31	4.331	231.5	2.903	10.68	29.49	0
10/27/20 17:49	4.042	228.8	6.356	10.44	29.49	0
10/27/20 18:05	3.449	204.8	3.81	10.38	29.49	0
10/27/20 18:19	2.013	166.1	29.76	10.29	29.49	0
10/27/20 18:40	2.465	93.3	9.64	9.73	29.49	0
10/27/20 18:45	2.336	104.3	6.675	9.47	29.47	0
10/27/20 19:14	2.19	90.2	7.326	9.43	29.47	0
10/27/20 19:24	3.26	94.6	7.761	9.03	29.47	0
10/27/20 19:38	4.212	96.5	9.03	8.88	29.47	0
10/27/20 19:59	4.453	93	8.74	8.56	29.48	0
10/27/20 20:01	5.074	98.2	5.655	8.67	29.48	0
10/27/20 20:27	5.541	99.1	6.22	8.86	29.48	0
10/27/20 20:30	4.708	121.1	11.6	9.21	29.48	0
10/27/20 20:47	5.628	130.3	6.884	9.13	29.49	0
10/27/20 21:02	5.675	121.9	7.637	9.22	29.49	0
10/27/20 21:19	5.386	131.4	5.688	9.14	29.49	0
10/27/20 21:34	5.115	134.6	6.47	9.17	29.49	0
10/27/20 21:54	5.013	128.2	7.079	9.21	29.49	0
10/27/20 22:12	5.324	118.6	4.459	9.17	29.49	0
10/27/20 22:21	4.556	121.9	5.563	9.29	29.49	0
10/27/20 22:30	4.247	113.8	4.464	9.18	29.49	0
10/27/20 22:45	4.208	123.5	10	8.86	29.48	0
10/27/20 23:05	4.293	145.6	7.751	8.6	29.48	0
10/27/20 23:28	4.553	148.8	14.5	8.04	29.48	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/27/20 23:40	5.119	126.7	5.531	8.19	29.48	0
10/27/20 23:56	4.992	124.8	5.136	8.43	29.46	0
10/28/20 0:12	5.14	127.4	5.716	8.54	29.46	0
10/28/20 0:20	5.23	142	11.89	8.62	29.46	0
10/28/20 0:33	5.563	139.6	8.3	8.33	29.46	0
10/28/20 0:57	5.164	149.7	13.65	8.07	29.46	0
10/28/20 1:01	5.197	169.3	9.6	6.969	29.46	0
10/28/20 1:23	4.667	148	9.36	7.527	29.46	0
10/28/20 1:43	4.301	146.1	9.06	7.724	29.46	0
10/28/20 1:54	5.116	141	6.288	8.12	29.47	0
10/28/20 2:12	4.966	147.5	6.189	8.03	29.47	0
10/28/20 2:24	5.087	141.2	9.63	8.11	29.47	0
10/28/20 2:41	4.478	146.5	7.866	7.769	29.47	0
10/28/20 2:49	4.8	153.2	11.95	7.54	29.43	0
10/28/20 3:02	4.671	158.1	10.4	7.374	29.43	0
10/28/20 3:16	3.985	143.4	9.28	7.71	29.43	0
10/28/20 3:31	3.01	150.8	19.46	7.939	29.43	0
10/28/20 3:49	2.421	128.2	28.27	8.91	29.46	0
10/28/20 4:09	4.137	96.4	12.14	8.64	29.46	0
10/28/20 4:28	2.974	107.2	17.72	8.78	29.46	0
10/28/20 4:43	3.614	98.4	8.4	8.67	29.46	0
10/28/20 4:49	3.076	136.1	28.76	8.68	29.46	0
10/28/20 5:13	4.444	145.1	9.96	8.84	29.46	0
10/28/20 5:20	4.341	157.6	11.18	8.77	29.46	0
10/28/20 5:30	4.969	162.2	10.49	8.3	29.46	0
10/28/20 5:46	5.399	159.3	11.94	7.62	29.45	0
10/28/20 6:12	5.253	146.6	7.162	7.821	29.45	0
10/28/20 6:15	4.107	150.8	14.01	7.87	29.45	0
10/28/20 6:36	4.855	170	10.59	7.412	29.45	0
10/28/20 6:45	3.444	141.9	17.91	7.721	29.43	0
10/28/20 7:14	3.626	150.7	9.09	7.814	29.43	0
10/28/20 7:15	4.185	135.4	8.8	8.05	29.43	0
10/28/20 7:32	3.968	154.8	22.24	8.04	29.43	0
10/28/20 7:50	3.389	170	10.79	8.51	29.43	0
10/28/20 8:13	3.654	158.4	7.277	8.77	29.43	0
10/28/20 8:26	3.46	178	16.78	8.85	29.43	0
10/28/20 8:31	2.906	177.2	25.5	9.12	29.43	0
10/28/20 8:48	3.003	140.6	15.91	10.69	29.43	0
10/28/20 9:13	3.224	152.8	9.73	10.79	29.43	0
10/28/20 9:29	3.593	163	12.78	11.02	29.43	0
10/28/20 9:34	4.864	174	10.49	10.92	29.43	0
10/28/20 9:55	4.104	151.8	14.39	11.91	29.44	0
10/28/20 10:07	5.719	157	14.88	12.36	29.44	0
10/28/20 10:16	5.118	163.4	25.99	12.44	29.44	0
10/28/20 10:38	6.857	181.5	14.07	12.35	29.44	0
10/28/20 10:46	5.931	190.5	12.05	12.67	29.41	0
10/28/20 11:04	5.92	168.1	26.52	13.03	29.41	0
10/28/20 11:26	4.539	173.1	23.64	13.41	29.41	0
10/28/20 11:44	4.362	180.6	27.21	13.81	29.41	0
10/28/20 11:49	4.923	169.8	18.13	13.94	29.4	0
10/28/20 12:12	5.237	134.6	23.7	14.28	29.4	0
10/28/20 12:28	5.445	174.7	27.25	14.42	29.4	0
10/28/20 12:30	6.181	192	10.1	13.93	29.4	0
10/28/20 12:50	4.392	195.9	11.52	14.66	29.39	0
10/28/20 13:06	4.187	228.1	23.47	14.79	29.39	0
10/28/20 13:16	3.241	214.9	20.76	14.97	29.39	0
10/28/20 13:42	4.963	254	17.15	14.82	29.39	0
10/28/20 13:57	5.542	229	11.45	14.72	29.36	0
10/28/20 14:08	6.42	218.5	12.8	14.76	29.36	0
10/28/20 14:16	4.042	212.5	18.07	14.81	29.36	0
10/28/20 14:42	4.291	225.7	15.45	14.81	29.36	0
10/28/20 14:57	5.549	266.1	8.43	14.31	29.36	0
10/28/20 15:09	6.269	273.5	7.714	13.83	29.36	0
10/28/20 15:26	6.679	269.7	7.76	13.67	29.36	0
10/28/20 15:40	7.621	272.2	5.302	13.27	29.36	0
10/28/20 15:48	6.043	273.5	7.783	13.18	29.34	0
10/28/20 16:00	6.245	276.5	10.49	12.88	29.34	0
10/28/20 16:27	6.342	309.7	3.965	11.86	29.34	0
10/28/20 16:31	6.695	301.3	5.904	11.29	29.34	0
10/28/20 16:46	6.39	295.4	4.649	10.96	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
10/28/20 17:02	6.169	296.1	4.336	10.43	29.34	0
10/28/20 17:17	4.419	299.2	5.604	10.19	29.34	0
10/28/20 17:44	3.993	300	6.609	10.09	29.34	0
10/28/20 17:56	5.218	291.7	4.421	9.93	29.35	0
10/28/20 18:02	4.951	292.5	3.377	9.78	29.35	0
10/28/20 18:15	4.041	294.6	4.094	9.71	29.35	0
10/28/20 18:40	4.63	282.6	7.855	9.85	29.35	0
10/28/20 18:59	4.1	258.6	9.55	10.08	29.36	0
10/28/20 19:00	3.02	229.3	17.45	10.17	29.36	0
10/28/20 19:29	1.885	152.8	30.51	9.97	29.36	0
10/28/20 19:41	3.492	97.3	6.326	9.77	29.36	0
10/28/20 19:49	3.741	91.2	8.62	9.89	29.34	0
10/28/20 20:00	2.977	85.1	13.11	10.05	29.34	0
10/28/20 20:27	2.697	92.3	15.58	10.12	29.34	0
10/28/20 20:41	4.595	103.8	9.36	10.32	29.34	0
10/28/20 20:46	3.914	114	7.249	10.52	29.37	0
10/28/20 21:10	4.276	116.6	5.864	10.6	29.37	0
10/28/20 21:21	4.929	115.5	6.64	10.88	29.37	0
10/28/20 21:34	4.231	109.8	9.23	10.85	29.37	0
10/28/20 21:45	2.09	158.5	24.93	10.86	29.35	0
10/28/20 22:07	3.066	185.1	35.61	10.87	29.35	0
10/28/20 22:25	5.067	184.5	11.33	10.89	29.35	0
10/28/20 22:30	5.101	171.4	10.47	10.77	29.35	0
10/28/20 22:56	4.851	149.1	13.39	10.82	29.38	0
10/28/20 23:05	3.884	137.7	10.53	10.92	29.38	0
10/28/20 23:27	5.261	148	12.82	10.92	29.38	0
10/28/20 23:40	5.973	170.7	12.84	10.88	29.38	0
10/28/20 23:52	8.09	178.4	7.473	10.86	29.35	0
10/29/20 0:00	5.846	166.7	8.61	10.74	29.35	0
10/29/20 0:19	4.656	157.3	11.23	10.66	29.35	0
10/29/20 0:44	5.222	173.7	7.171	10.73	29.35	0
10/29/20 0:46	5.26	170.5	9.79	10.76	29.38	0
10/29/20 1:01	6.022	173.9	10.1	10.73	29.38	0
10/29/20 1:18	5.214	148.5	10.17	10.65	29.38	0
10/29/20 1:34	5.607	140.9	5.611	10.66	29.38	0
10/29/20 1:58	6.637	143.2	5.081	10.67	29.37	0
10/29/20 2:01	6.622	144.7	6.745	10.69	29.37	0
10/29/20 2:17	6.404	151	7.185	10.63	29.37	0
10/29/20 2:42	6.533	159.7	12.25	10.7	29.37	0
10/29/20 2:53	7.136	146.7	11.2	10.72	29.38	0
10/29/20 3:12	8.29	150.3	6.799	10.61	29.38	0
10/29/20 3:17	8.06	148.3	5.787	10.44	29.38	0
10/29/20 3:34	6.811	144.8	7.567	10.41	29.38	0
10/29/20 3:53	5.993	138.8	7.147	10.34	29.37	0
10/29/20 4:01	6.12	141.1	7.179	10.2	29.37	0
10/29/20 4:22	6.165	143.5	6.284	10.12	29.37	0
10/29/20 4:37	6.642	140.9	7.298	10.07	29.37	0.01
10/29/20 4:50	5.934	134.7	8.83	10.05	29.36	0
10/29/20 5:00	4.923	125	8.06	10.03	29.36	0
10/29/20 5:23	4.382	118.4	8.84	10	29.36	0
10/29/20 5:35	4.27	112.5	9.89	9.98	29.36	0
10/29/20 5:50	4.702	120.1	7.743	9.99	29.38	0
10/29/20 6:03	5.065	129.5	8.57	10.09	29.38	0
10/29/20 6:18	5.006	138.3	7.696	10.29	29.38	0
10/29/20 6:37	4.998	145.4	5.826	10.31	29.38	0
10/29/20 6:59	4.594	149.6	6.65	10.3	29.37	0
10/29/20 7:13	5.101	142.9	5.856	10.33	29.37	0
10/29/20 7:29	5.129	139.4	5.445	10.36	29.37	0
10/29/20 7:36	5.37	136	5.179	10.44	29.37	0
10/29/20 7:51	5.053	136.5	6.434	10.59	29.36	0
10/29/20 8:13	4.84	135.9	7.222	10.61	29.36	0
10/29/20 8:28	5.21	147.1	5.28	10.65	29.36	0
10/29/20 8:31	5.254	146.7	4.011	10.67	29.36	0
10/29/20 8:49	4.919	143.7	5.078	10.78	29.38	0
10/29/20 9:05	4.387	146.5	6.07	10.95	29.38	0
10/29/20 9:19	3.515	162.2	11.35	11.13	29.38	0
10/29/20 9:35	3.388	158.6	9.24	11.28	29.38	0
10/29/20 9:59	3.539	144.9	6.862	11.42	29.36	0
10/29/20 10:04	3.351	133.4	10.18	11.57	29.36	0
10/29/20 10:29	3.868	166.2	16.18	11.68	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
10/29/20 10:35	4.553	183.4	6.543	11.58	29.36	0
10/29/20 10:45	3.592	185.7	14.19	11.66	29.35	0
10/29/20 11:06	3.802	199.7	10.94	11.76	29.35	0
10/29/20 11:27	3.383	176.7	16.85	11.92	29.35	0
10/29/20 11:30	4.741	178.2	11.87	12.19	29.35	0
10/29/20 11:47	5.955	168.5	15.47	12.44	29.35	0
10/29/20 12:09	6.515	153.2	9.85	12.44	29.35	0
10/29/20 12:24	5.409	164.9	17.85	12.42	29.35	0
10/29/20 12:30	4.133	160.7	22.07	12.67	29.35	0
10/29/20 12:48	4.202	209	14.17	12.7	29.32	0
10/29/20 13:07	2.954	214.7	20.04	12.78	29.32	0
10/29/20 13:29	2.664	234.4	28.94	13.05	29.32	0
10/29/20 13:40	2.983	276.5	16.08	13.53	29.32	0
10/29/20 13:55	3.385	262.9	18.07	13.1	29.31	0
10/29/20 14:14	4.339	303.3	12.14	12.93	29.31	0
10/29/20 14:16	3.659	320.1	11.25	12.69	29.31	0
10/29/20 14:39	2.665	348.1	12.07	12.71	29.31	0
10/29/20 14:45	2.321	338.6	12.1	12.7	29.31	0
10/29/20 15:03	1.745	341.3	5.776	12.73	29.31	0
10/29/20 15:26	1.972	359.7	10.08	12.74	29.31	0
10/29/20 15:39	1.918	19.79	8.6	12.76	29.31	0
10/29/20 15:45	0.78	47.9	12.28	12.68	29.29	0
10/29/20 16:14	3.779	150	6.307	12.33	29.29	0
10/29/20 16:21	5.045	138.8	4.796	12.08	29.29	0
10/29/20 16:40	5.304	132.2	5.485	12.15	29.29	0
10/29/20 16:54	5.565	133.7	6.282	12.21	29.25	0
10/29/20 17:04	6.007	129.7	7.802	12.11	29.25	0
10/29/20 17:26	5.417	128.8	7.108	11.8	29.25	0
10/29/20 17:31	5.132	117.8	5.572	11.76	29.25	0
10/29/20 17:45	3.029	85.3	12.67	11.47	29.22	0
10/29/20 18:13	2.052	49.09	17.37	10.86	29.22	0
10/29/20 18:15	1.979	21.43	10.54	10.81	29.22	0
10/29/20 18:40	1.828	48.68	6.604	10.89	29.22	0
10/29/20 18:59	2.249	87.2	18.52	10.26	29.21	0
10/29/20 19:11	2.902	106.7	13.53	9.91	29.21	0
10/29/20 19:19	1.872	106.1	19.3	9.72	29.21	0
10/29/20 19:43	2.881	162.5	17.23	10.01	29.21	0
10/29/20 19:55	3.623	156.6	9.32	9.99	29.2	0
10/29/20 20:11	4.791	155.9	7.957	9.72	29.2	0
10/29/20 20:26	4.332	167.5	10.54	9.39	29.2	0
10/29/20 20:44	4.342	167.5	12.79	9.25	29.2	0
10/29/20 20:47	3.992	139.8	5.926	9.04	29.18	0
10/29/20 21:14	3.446	110	12.59	8.49	29.18	0
10/29/20 21:23	4.585	131.2	14.02	8.79	29.18	0
10/29/20 21:32	5.408	146.3	6.789	9.26	29.18	0
10/29/20 21:49	6.034	142.5	6.128	8.88	29.17	0
10/29/20 22:14	5.731	145.7	6.368	8.77	29.17	0
10/29/20 22:24	6.325	132.6	7.026	8.85	29.17	0
10/29/20 22:32	6.101	135.9	7.372	9.23	29.17	0
10/29/20 22:54	6.445	140.8	5.391	9.11	29.16	0
10/29/20 23:09	6.539	134.3	6.568	9.1	29.16	0
10/29/20 23:22	7.407	137.9	6.287	8.96	29.16	0
10/29/20 23:43	8.06	141.3	6.047	9.16	29.16	0
10/29/20 23:45	7.584	141.5	6.097	9.02	29.13	0
10/30/20 0:11	8.01	141.4	5.974	8.96	29.13	0
10/30/20 0:30	7.861	143.2	7.416	9.12	29.13	0
10/30/20 0:35	7.311	153.5	13.68	9.17	29.13	0
10/30/20 0:57	6.602	183.7	18.77	8.31	29.12	0
10/30/20 1:00	7.468	185.6	13.99	7.93	29.12	0
10/30/20 1:22	5.996	158.7	10.59	8.59	29.12	0
10/30/20 1:40	5.707	189.9	17.11	8.69	29.12	0
10/30/20 1:56	7.986	162.8	11.52	8.58	29.12	0
10/30/20 2:00	8.17	167	9.5	9.33	29.12	0
10/30/20 2:25	8.12	160.1	10.99	9.38	29.12	0
10/30/20 2:36	9.61	145	10.19	9.33	29.12	0
10/30/20 2:45	8.74	126.4	10.98	9.34	29.12	0
10/30/20 3:03	10.75	130.3	11.25	9.42	29.12	0
10/30/20 3:28	10.37	139.3	8.12	9.59	29.12	0
10/30/20 3:31	11.11	139.9	8.12	9.56	29.12	0
10/30/20 3:45	9.56	153.9	11.14	9.48	29.09	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
10/30/20 4:10	9.44	150.8	11.46	9.21	29.09	0.03
10/30/20 4:25	8.27	144.7	11.58	9.11	29.09	0.03
10/30/20 4:42	9.39	151.8	8.26	9.33	29.09	0
10/30/20 4:45	8.8	172.5	20.46	9.32	29.1	0.03
10/30/20 5:10	11.69	189.4	16.79	9.74	29.1	0
10/30/20 5:19	11.91	182.9	12.42	10.57	29.1	0
10/30/20 5:35	11.22	183.2	12.7	10.63	29.1	0
10/30/20 5:50	13.5	174.6	10.69	10.55	29.08	0
10/30/20 6:10	14.59	177.2	10.36	10.69	29.08	0
10/30/20 6:29	14.58	187.9	11.62	10.75	29.08	0
10/30/20 6:31	12.11	190	18.33	10.78	29.08	0
10/30/20 6:58	10.85	193.6	15.17	10.71	29.12	0
10/30/20 7:09	17.44	200	10.49	10.85	29.12	0
10/30/20 7:27	13.91	201.6	11.89	10.63	29.12	0
10/30/20 7:32	14.3	194.4	10.98	10.58	29.12	0
10/30/20 7:51	10.45	197.8	21.15	10.54	29.16	0
10/30/20 8:05	9.15	217.1	10.56	10.56	29.16	0
10/30/20 8:28	8.66	193.9	12.31	10.5	29.16	0
10/30/20 8:43	11.01	195.4	14.07	10.51	29.16	0
10/30/20 8:59	13.33	197.7	10.98	10.63	29.16	0
10/30/20 9:03	12.84	197.6	11.77	10.74	29.16	0
10/30/20 9:15	9.51	201	11.1	10.79	29.16	0
10/30/20 9:39	6.765	191.9	17.3	10.9	29.16	0
10/30/20 9:54	8.36	186.3	11.65	11.07	29.21	0
10/30/20 10:02	9.06	193.6	10.17	11.65	29.21	0
10/30/20 10:17	10.39	204.2	11.67	12.2	29.21	0
10/30/20 10:44	9.96	204.2	12.57	12.01	29.21	0
10/30/20 10:58	10.39	220.4	14.77	12.5	29.24	0
10/30/20 11:00	13.51	212.5	15.7	12.81	29.24	0
10/30/20 11:26	14.54	206.8	14.39	12.84	29.24	0
10/30/20 11:31	14.33	223.3	8.87	12.08	29.24	0
10/30/20 11:57	14.59	230.4	7.75	12.07	29.26	0
10/30/20 12:14	12.65	231.8	9.54	12.33	29.26	0
10/30/20 12:15	12.9	231.7	10.09	12.11	29.26	0
10/30/20 12:34	11.74	235.9	8.27	12.13	29.26	0
10/30/20 12:56	11.45	244.1	8.32	12.19	29.28	0
10/30/20 13:03	12.65	240.3	13	12.43	29.28	0
10/30/20 13:23	10.53	226	15.3	12.93	29.28	0
10/30/20 13:44	9.66	232.9	14.65	13.24	29.28	0
10/30/20 13:47	11.27	214.8	9.71	13.22	29.26	0
10/30/20 14:07	9.22	225.8	15	13.43	29.26	0
10/30/20 14:20	9.59	236.3	12.49	13.2	29.26	0
10/30/20 14:37	8.33	243.1	15.56	13.25	29.26	0
10/30/20 14:45	10.14	238.7	11.86	13.12	29.3	0
10/30/20 15:11	10.94	216.6	14.92	13.6	29.3	0
10/30/20 15:15	9.08	234.7	17.21	13.52	29.3	0
10/30/20 15:43	9.1	229.5	18	13.48	29.3	0
10/30/20 15:45	8.35	219.4	9.54	13.14	29.29	0
10/30/20 16:12	4.082	39.66	86	12.48	29.29	0
10/30/20 16:26	7.17	6.492	11.68	11.38	29.29	0
10/30/20 16:44	8.7	13.08	14.52	10.95	29.29	0
10/30/20 16:50	10.02	19.52	11.14	10.64	29.34	0
10/30/20 17:06	9.49	18.24	12.03	10.47	29.34	0
10/30/20 17:19	9.32	23.96	14.36	10.12	29.34	0
10/30/20 17:34	10.75	21.71	14.52	9.89	29.34	0
10/30/20 17:59	12.13	16.88	11.3	9.82	29.34	0
10/30/20 18:00	13.22	10.87	10.39	9.79	29.34	0
10/30/20 18:29	14.43	14.64	11.54	9.74	29.34	0
10/30/20 18:32	16.69	6.773	12.83	9.71	29.34	0
10/30/20 18:48	14.47	5.595	12.14	9.55	29.37	0
10/30/20 19:02	12.14	5.342	14.59	9.48	29.37	0
10/30/20 19:15	7.357	21.22	21.26	9.3	29.37	0
10/30/20 19:35	8.09	16.08	12.84	9.17	29.37	0
10/30/20 19:45	3.176	16.7	54.76	8.94	29.41	0
10/30/20 20:11	2.693	323.9	62.19	8.91	29.41	0
10/30/20 20:17	5.292	15.03	24.31	9.14	29.41	0
10/30/20 20:40	3.004	149.3	63.57	9	29.41	0
10/30/20 20:46	4.799	209	10.9	8.97	29.44	0
10/30/20 21:04	3.356	159.2	43.19	8.88	29.44	0
10/30/20 21:25	1.745	281.1	40.4	9.02	29.44	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/30/20 21:32	0.499	309.1	54.34	8.98	29.44	0
10/30/20 21:59	0.597	21.03	39.05	8.89	29.46	0
10/30/20 22:14	2.323	43.87	12.19	8.85	29.46	0
10/30/20 22:16	3.102	28.88	14.09	8.4	29.46	0
10/30/20 22:31	1.645	36.38	42.13	8.54	29.46	0
10/30/20 22:59	0.665	71.93	15.93	8.38	29.47	0
10/30/20 23:00	1.145	53.26	19.39	8.62	29.47	0
10/30/20 23:20	1.188	20.3	11.13	8.14	29.47	0
10/30/20 23:44	0.308	28.16	3.296	7.329	29.47	0
10/30/20 23:54	1.371	41.34	6.293	7.68	29.48	0
10/31/20 0:04	2.094	46.05	15.79	7.159	29.48	0
10/31/20 0:25	2.394	16.03	5.134	7.321	29.48	0
10/31/20 0:31	1.226	26.74	7.217	6.935	29.48	0
10/31/20 0:59	0.985	32.17	9.01	6.921	29.51	0
10/31/20 1:10	2.065	18.33	4.784	6.861	29.51	0
10/31/20 1:27	2.172	15.64	10.66	6.193	29.51	0
10/31/20 1:44	3.159	16.97	8.21	6.225	29.51	0
10/31/20 1:45	2.89	10.72	8.66	5.943	29.51	0
10/31/20 2:13	2.428	56.14	8.34	6.04	29.51	0
10/31/20 2:26	2.924	77.45	9.83	5.264	29.51	0
10/31/20 2:38	3.368	67.15	7.307	4.996	29.51	0
10/31/20 2:53	3.285	42.69	10.56	5.234	29.5	0
10/31/20 3:00	3.037	52.54	16.23	5.182	29.5	0
10/31/20 3:24	1.785	33.74	15.47	5.242	29.5	0
10/31/20 3:33	2.969	23.78	9.63	5.289	29.5	0
10/31/20 3:52	2.247	57.54	3.019	5.083	29.5	0
10/31/20 4:00	1.537	47.96	5.297	5.121	29.5	0
10/31/20 4:25	0.761	64.64	5.017	5.154	29.5	0
10/31/20 4:42	2.053	49.28	14.54	4.85	29.5	0
10/31/20 4:48	2.468	41	11.42	4.222	29.51	0
10/31/20 5:00	0.783	46.06	5.04	4.346	29.51	0
10/31/20 5:25	2.467	125.9	46.96	4.287	29.51	0
10/31/20 5:30	2.29	114	52.54	4.817	29.51	0
10/31/20 5:59	0.222	42.39	17.47	3.988	29.52	0
10/31/20 6:09	2.081	302.4	14.66	4.756	29.52	0
10/31/20 6:17	1.267	331.8	46.17	4.414	29.52	0
10/31/20 6:30	1.282	53.88	10.36	3.883	29.52	0
10/31/20 6:46	1.45	32.58	11.87	3.878	29.53	0
10/31/20 7:11	1.012	54.86	2.472	3.961	29.53	0
10/31/20 7:18	1.913	85.9	11.59	4.149	29.53	0
10/31/20 7:44	2.315	144	19.03	4.726	29.53	0
10/31/20 7:45	1.586	138.7	15.9	5.573	29.55	0
10/31/20 8:05	0.632	81.3	15.79	6.19	29.55	0
10/31/20 8:25	0.139	48.86	6.104	6.651	29.55	0
10/31/20 8:37	0.143	88	11.88	6.979	29.55	0
10/31/20 8:49	2.139	273.1	27.9	6.363	29.59	0
10/31/20 9:13	2.944	226	21.85	6.432	29.59	0
10/31/20 9:28	1.59	265.4	50.87	6.712	29.59	0
10/31/20 9:30	1.134	7.927	27	7.288	29.59	0
10/31/20 9:52	1.011	322	78.27	8.18	29.58	0
10/31/20 10:09	0.974	95.4	85.5	8.78	29.58	0
10/31/20 10:16	1.791	261.5	30.05	8.66	29.58	0
10/31/20 10:43	1.496	345.2	59	8.91	29.58	0
10/31/20 10:46	1.329	46.81	20.57	9.16	29.56	0
10/31/20 11:04	1.805	21.19	26.89	9.35	29.56	0
10/31/20 11:26	1.946	330.9	12.96	10.06	29.56	0
10/31/20 11:33	2.871	17.19	19.6	10.25	29.56	0
10/31/20 11:48	3.297	39.96	19.43	10.41	29.57	0
10/31/20 12:01	2.85	3.519	24.36	10.98	29.57	0
10/31/20 12:28	6.243	33.58	12.49	10.98	29.57	0
10/31/20 12:44	7.247	23.41	11.19	10.8	29.57	0
10/31/20 12:55	8.67	18.26	10.68	11.04	29.52	0
10/31/20 13:06	6.99	17.38	10.35	11.2	29.52	0
10/31/20 13:27	8.02	13.95	9.99	11.33	29.52	0
10/31/20 13:42	10.11	14.85	9.28	11.36	29.52	0
10/31/20 13:52	9.86	0.698	13.53	11.46	29.53	0
10/31/20 14:05	8.98	2.334	13.57	11.88	29.53	0
10/31/20 14:19	8.1	12	12.5	11.79	29.53	0
10/31/20 14:37	7.558	9.16	13.17	11.78	29.53	0
10/31/20 14:54	7.98	11.8	13.9	11.67	29.5	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/31/20 15:15	6.516	2.749	14.54	11.71	29.5	0
10/31/20 15:22	7.483	8.28	9.84	11.71	29.5	0
10/31/20 15:32	9.42	4.672	12.32	11.67	29.5	0
10/31/20 15:46	9.14	3.495	13.08	11.27	29.49	0
10/31/20 16:07	9.94	5.2	10.57	10.9	29.49	0
10/31/20 16:20	10.36	6.027	11.05	10.64	29.49	0
10/31/20 16:33	9.73	10.03	12.43	10.41	29.49	0
10/31/20 16:52	10.77	5.304	11.69	10.2	29.49	0
10/31/20 17:10	11.06	9.74	12.52	9.99	29.49	0
10/31/20 17:26	10.86	20.97	9.13	9.71	29.49	0
10/31/20 17:34	11.07	24.18	8.06	9.48	29.49	0
10/31/20 17:45	8.48	34.29	8.11	9.14	29.48	0
10/31/20 18:06	8.67	25.41	10.71	8.92	29.48	0
10/31/20 18:26	8.18	23.89	8.3	8.28	29.48	0
10/31/20 18:33	10.96	22.29	6.943	8.39	29.48	0
10/31/20 18:58	11.05	19.51	7.845	8.61	29.49	0
10/31/20 19:10	12	22.5	9.16	8.52	29.49	0
10/31/20 19:20	13.1	27.02	9.66	8.33	29.49	0
10/31/20 19:33	11.72	26.31	8.55	8.1	29.49	0
10/31/20 19:46	9.67	28.47	9.67	8.05	29.49	0
10/31/20 20:00	9.25	27.56	8.13	7.582	29.49	0
10/31/20 20:28	8.55	26.26	7.692	7.151	29.49	0
10/31/20 20:31	8.49	25.1	7.761	6.996	29.49	0
10/31/20 20:47	7.292	22.06	7.354	6.727	29.5	0
10/31/20 21:04	6.979	19.73	6.79	6.746	29.5	0
10/31/20 21:29	7.502	19.66	9.03	6.681	29.5	0
10/31/20 21:36	8.71	27.36	8.25	6.548	29.5	0
10/31/20 21:54	8.25	29.42	8.92	6.417	29.46	0
10/31/20 22:00	7.295	18.77	6.69	6.257	29.46	0
10/31/20 22:18	5.421	17.02	7.975	6.174	29.46	0
10/31/20 22:42	5.883	26.51	10.73	6.128	29.46	0
10/31/20 22:54	7.236	22.17	7.875	6.055	29.47	0
10/31/20 23:01	7.387	15.71	9.27	6.058	29.47	0
10/31/20 23:17	7.449	13.01	8.42	6.002	29.47	0
10/31/20 23:44	8.67	18.31	8.61	6.088	29.47	0
10/31/20 23:48	9.06	20.91	8.09	6.037	29.45	0
11/1/20 0:01	8.1	22.29	8.69	5.839	29.45	0
11/1/20 0:29	8.67	22.73	9.63	5.6	29.45	0
11/1/20 0:34	9.27	22.11	9.72	5.507	29.45	0
11/1/20 0:49	7.004	27.82	10.29	5.229	29.43	0
11/1/20 1:12	5.382	27.65	5.542	4.923	29.43	0
11/1/20 1:17	8.39	23.67	8.33	5.081	29.43	0
11/1/20 1:30	4.743	24.55	7.181	4.584	29.43	0
11/1/20 1:59	6.077	30.9	8.31	4.503	29.44	0
11/1/20 2:13	7.058	24.95	8.49	4.72	29.44	0
11/1/20 2:16	5.98	20.52	6.59	4.383	29.44	0
11/1/20 2:33	4.909	20.2	7.594	4.205	29.44	0
11/1/20 2:45	3.651	24.88	9.41	4.29	29.44	0
11/1/20 3:08	6.981	23.12	11.69	4.663	29.44	0
11/1/20 3:17	8.37	16.27	8.21	4.907	29.44	0
11/1/20 3:39	7.652	18.14	9.54	5.176	29.44	0
11/1/20 3:45	7.528	19.01	9.94	5.583	29.43	0
11/1/20 4:14	6.034	21.9	9.13	4.974	29.43	0
11/1/20 4:29	8.64	20.49	8.24	4.816	29.43	0
11/1/20 4:42	10.27	21.19	10.68	5.148	29.43	0
11/1/20 4:49	10.72	22.05	9.67	5.143	29.41	0
11/1/20 5:03	10.66	23.51	9.9	5.101	29.41	0
11/1/20 5:21	8.03	24.04	8.9	4.95	29.41	0
11/1/20 5:37	6.991	22.44	8.98	4.643	29.41	0
11/1/20 5:47	5.185	29.52	7.272	4.295	29.4	0
11/1/20 6:02	4.816	26.57	6.711	4.109	29.4	0
11/1/20 6:20	4.749	21.81	9.06	3.988	29.4	0
11/1/20 6:30	3.238	20.42	14.05	3.837	29.4	0
11/1/20 6:46	4.138	28.05	8.58	3.824	29.4	0
11/1/20 7:04	3.861	23.97	10.44	3.622	29.4	0
11/1/20 7:20	4.576	26.29	10.41	3.731	29.4	0
11/1/20 7:40	4.209	10.2	16.7	4.08	29.4	0
11/1/20 7:51	3.722	12	11.35	4.243	29.4	0
11/1/20 8:00	2.302	13.58	11.8	4.467	29.4	0
11/1/20 8:22	1.462	248.3	42.8	5.321	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
11/1/20 8:44	2.106	41.01	44.64	5.778	29.4	0
11/1/20 8:45	1.694	73.93	23.73	5.714	29.42	0
11/1/20 9:08	1.851	52.44	18.5	6.365	29.42	0
11/1/20 9:27	2.389	48.45	14.47	6.378	29.42	0
11/1/20 9:32	2.78	49.98	10	6.393	29.42	0
11/1/20 9:46	2.071	35.31	18.23	6.846	29.41	0
11/1/20 10:14	0.931	341.1	59.78	7.967	29.41	0
11/1/20 10:18	1.397	7.181	26.28	8.75	29.41	0
11/1/20 10:39	1.92	330.8	24.6	9.64	29.41	0
11/1/20 10:47	1.407	6.422	44.73	10.32	29.41	0
11/1/20 11:13	2.386	11.7	16.44	10.38	29.41	0
11/1/20 11:28	2.804	357.8	24.13	10.82	29.41	0
11/1/20 11:34	3.442	14.48	17.71	10.74	29.41	0
11/1/20 11:56	2.552	11.89	19.54	11.31	29.38	0
11/1/20 12:02	2.081	27.96	22.88	11.97	29.38	0
11/1/20 12:19	2.47	57.54	18.91	12.65	29.38	0
11/1/20 12:32	1.593	36.87	16.25	13.07	29.38	0
11/1/20 12:54	1.201	325.6	21.35	14.12	29.37	0
11/1/20 13:14	3.003	284.6	25.61	14.28	29.37	0
11/1/20 13:15	2.157	333	38.59	14.61	29.37	0
11/1/20 13:32	2.643	25.04	14.79	14.48	29.37	0
11/1/20 13:46	2.268	21.33	10.44	14.8	29.37	0
11/1/20 14:08	2.744	37.58	20.35	14.9	29.37	0
11/1/20 14:16	3.165	6.529	17.01	14.76	29.37	0
11/1/20 14:31	2.606	350.6	19.95	14.96	29.37	0
11/1/20 14:59	3.051	5.963	9.22	14.74	29.33	0
11/1/20 15:10	2.721	344.3	11.11	14.89	29.33	0
11/1/20 15:15	1.455	329	23.29	15.12	29.33	0
11/1/20 15:41	1.046	12.55	11.09	14.69	29.33	0
11/1/20 15:46	1.463	9.88	4.564	14.25	29.35	0
11/1/20 16:14	0.369	32.3	4.046	14.27	29.35	0
11/1/20 16:16	1.367	25.3	9.75	13.71	29.35	0
11/1/20 16:42	0.901	255.1	33.61	13.85	29.35	0
11/1/20 16:51	3.658	274.6	4.936	12.74	29.33	0
11/1/20 17:13	4.605	277.7	2.881	12.26	29.33	0
11/1/20 17:15	4.865	282.3	4.652	12.02	29.33	0
11/1/20 17:40	4.003	292.4	6.801	12.27	29.33	0
11/1/20 17:45	3.294	328.7	5.887	11.69	29.32	0
11/1/20 18:00	2.688	357.3	18.52	11.68	29.32	0
11/1/20 18:17	1.27	356.1	39.38	11.7	29.32	0
11/1/20 18:30	0.684	323.9	24.5	11.53	29.32	0
11/1/20 18:47	1.206	50.44	17.96	10.96	29.32	0
11/1/20 19:15	0.542	46.4	68.37	10.89	29.32	0
11/1/20 19:29	2.253	181.3	26.01	11.24	29.32	0
11/1/20 19:40	6.187	222	22.69	11.23	29.32	0
11/1/20 19:45	4.671	271.4	20.92	10.8	29.33	0
11/1/20 20:03	2.881	263	37.18	10.64	29.33	0
11/1/20 20:20	2.828	271.7	12.16	11.06	29.33	0
11/1/20 20:39	1.747	249.4	20.01	11.41	29.33	0
11/1/20 20:48	1.611	239.6	25.56	11.38	29.34	0
11/1/20 21:14	1.004	202	48.78	11.26	29.34	0
11/1/20 21:28	4.519	185.1	17.81	10.88	29.34	0
11/1/20 21:38	3.563	157.6	14.35	9.88	29.34	0
11/1/20 21:50	4.933	173.6	14.91	9.78	29.35	0
11/1/20 22:00	2.677	151.8	26.73	9.69	29.35	0
11/1/20 22:24	5.268	178.4	9.51	10.64	29.35	0
11/1/20 22:43	5.495	173.6	5.643	9.95	29.35	0
11/1/20 22:50	5.462	176.4	7.137	9.69	29.35	0
11/1/20 23:02	6.672	177.2	6.492	10.13	29.35	0
11/1/20 23:15	7.026	181.3	7.392	10.62	29.35	0
11/1/20 23:38	6.94	197	12.29	11.44	29.35	0
11/1/20 23:54	7.555	198.8	7.668	11.88	29.35	0
11/2/20 0:00	7.293	190.6	9.01	11.38	29.35	0
11/2/20 0:15	5.18	163.8	9.81	10.58	29.35	0
11/2/20 0:41	4.659	133.6	11.08	10.59	29.35	0
11/2/20 0:57	4.325	116.5	14.98	10.89	29.34	0
11/2/20 1:04	6.362	146.4	7.3	11.66	29.34	0
11/2/20 1:22	5.389	143.7	9.25	11.67	29.34	0
11/2/20 1:35	4.671	112.5	12.75	11.69	29.34	0
11/2/20 1:46	4.805	107.9	11.43	11.64	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
11/2/20 2:10	6.092	113.2	6.409	10.93	29.33	0
11/2/20 2:16	4.514	131.1	13.55	10.79	29.33	0
11/2/20 2:42	5.821	161.4	10.45	11.6	29.33	0
11/2/20 2:51	6.79	123.5	9.83	11.82	29.33	0
11/2/20 3:09	6.161	129.7	7.571	11.46	29.33	0
11/2/20 3:19	6.616	138	8.05	11.54	29.33	0
11/2/20 3:35	6.085	132.4	7.736	11.39	29.33	0
11/2/20 3:46	5.002	126.2	6.61	11.22	29.31	0
11/2/20 4:05	4.456	124.8	6.608	11.33	29.31	0
11/2/20 4:22	4.428	129.5	8.17	11.45	29.31	0
11/2/20 4:42	4.593	129.6	9.84	11.24	29.31	0
11/2/20 4:50	6.351	121.9	7.291	11.11	29.3	0
11/2/20 5:05	6.725	127.4	8.68	11.32	29.3	0
11/2/20 5:21	7.848	139.9	7.422	11.42	29.3	0
11/2/20 5:30	7.066	139.7	6.54	10.81	29.3	0
11/2/20 5:50	5.951	156.5	7.736	11	29.31	0
11/2/20 6:00	3.96	165.7	8.32	10.5	29.31	0
11/2/20 6:15	2.78	122.1	29.98	10.62	29.31	0
11/2/20 6:30	2.187	86.6	32.21	10.72	29.31	0
11/2/20 6:55	0.835	61.37	43.24	9.85	29.31	0
11/2/20 7:14	1.529	104.4	29	10.94	29.31	0
11/2/20 7:15	1.058	114.4	21.73	11.58	29.31	0
11/2/20 7:31	1.971	115.3	8.71	11.97	29.31	0
11/2/20 7:48	1.938	112.6	11.85	12.17	29.31	0
11/2/20 8:14	2.445	123.1	9.61	12.28	29.31	0
11/2/20 8:25	3.815	123.1	6.443	12.56	29.31	0
11/2/20 8:42	3.009	169.3	26.18	12.5	29.31	0
11/2/20 8:58	4.116	159.5	11.72	12.09	29.31	0
11/2/20 9:06	4.47	174.6	7.902	11.6	29.31	0
11/2/20 9:29	5.004	183.1	11.37	11.79	29.31	0
11/2/20 9:42	5.814	207.7	6.55	11.63	29.31	0
11/2/20 9:50	5.581	199.4	6.088	12.66	29.3	0
11/2/20 10:13	3.88	157.1	27.51	13.8	29.3	0
11/2/20 10:16	2.291	155.3	25.85	14.76	29.3	0
11/2/20 10:30	2.523	180.2	20.4	15.23	29.3	0
11/2/20 10:46	2.533	220.5	12.6	15.21	29.29	0
11/2/20 11:12	3.119	222.9	10.81	15.76	29.29	0
11/2/20 11:18	2.596	213.8	15.97	16.28	29.29	0
11/2/20 11:40	2.181	196.4	18.78	17.08	29.29	0
11/2/20 11:47	1.681	221.5	38.38	17.92	29.28	0
11/2/20 12:07	2.589	196.5	32.17	18.53	29.28	0
11/2/20 12:20	2.927	220.1	16.99	18.57	29.28	0
11/2/20 12:31	2.513	214.1	22.6	18.81	29.28	0
11/2/20 12:48	2.587	260.7	13.26	18.4	29.23	0
11/2/20 13:00	2.638	254.2	13.62	18.68	29.23	0
11/2/20 13:21	3.118	282	10.58	18.8	29.23	0
11/2/20 13:33	4.225	272	8.95	18.87	29.23	0
11/2/20 13:51	5.255	286.6	13.96	18.67	29.21	0
11/2/20 14:08	7.056	269.4	7.989	18.4	29.21	0
11/2/20 14:23	5.385	286.6	10.57	18.39	29.21	0
11/2/20 14:30	3.259	293.4	20.14	18.46	29.21	0
11/2/20 14:52	3.341	291.8	13.26	17.83	29.22	0
11/2/20 15:07	4.239	267.6	7.822	17.91	29.22	0
11/2/20 15:15	2.842	290.3	12.59	17.9	29.22	0
11/2/20 15:37	3.336	283	6.613	17.21	29.22	0
11/2/20 15:59	4.145	280.2	2.979	16.72	29.2	0
11/2/20 16:01	4.962	284.2	4.304	16.78	29.2	0
11/2/20 16:15	4.631	281	3.719	16.39	29.2	0
11/2/20 16:44	4.126	300.4	6.878	16.39	29.2	0
11/2/20 16:47	4.431	283.2	7.484	15.97	29.18	0
11/2/20 17:14	3.175	276.3	5.326	16.15	29.18	0
11/2/20 17:16	3.076	293.5	3.964	15.65	29.18	0
11/2/20 17:30	1.532	305.1	14.8	15.22	29.18	0
11/2/20 17:58	0.124	343.6	5.805	14.63	29.2	0
11/2/20 18:09	0.423	72.3	13.98	14.76	29.2	0
11/2/20 18:27	1.466	101.9	17.63	14.69	29.2	0
11/2/20 18:43	3.697	108.9	16.09	14	29.2	0
11/2/20 18:45	3.852	122.2	17.36	13.6	29.2	0
11/2/20 19:10	4.66	139.6	6.166	13.78	29.2	0
11/2/20 19:28	5.535	129.6	7.013	13.4	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
11/2/20 19:41	6.651	123.6	6.072	13.53	29.2	0
11/2/20 19:45	5.849	121.3	6.151	13.69	29.18	0
11/2/20 20:00	4.799	136.1	9.95	14.08	29.18	0
11/2/20 20:19	5.096	142.4	7.373	13.61	29.18	0
11/2/20 20:32	4.818	148	8.42	13.11	29.18	0
11/2/20 20:55	5.092	147.3	7.213	12.99	29.17	0
11/2/20 21:13	5.338	157.3	8.76	12.9	29.17	0
11/2/20 21:18	5.334	157.1	7.561	12.69	29.17	0
11/2/20 21:30	3.726	122.7	19.15	12.13	29.17	0
11/2/20 21:51	4.567	125.1	15.73	11.73	29.18	0
11/2/20 22:05	5.566	144.8	17.64	12.27	29.18	0
11/2/20 22:26	5.393	171.2	9.46	12.27	29.18	0
11/2/20 22:32	4.45	157.3	9.93	12.15	29.18	0
11/2/20 22:56	3.143	124.7	8.86	11.19	29.16	0
11/2/20 23:12	3.445	161.9	13.26	11.55	29.16	0
11/2/20 23:18	3.472	163.9	8.94	12.44	29.16	0
11/2/20 23:39	4.316	165.3	8.14	12	29.16	0
11/2/20 23:46	4.342	179.2	9.93	10.93	29.13	0
11/3/20 0:08	4.329	189.9	8.52	10.71	29.13	0
11/3/20 0:16	4.116	176	12.27	11.14	29.13	0
11/3/20 0:40	4.483	189.8	6.462	11.23	29.13	0
11/3/20 0:47	4.735	173.8	13.66	11.31	29.14	0
11/3/20 1:00	3.614	144.7	9.13	11.09	29.14	0
11/3/20 1:17	3.278	160	17.21	11.32	29.14	0
11/3/20 1:36	4	160.4	13.19	11.32	29.14	0
11/3/20 1:47	3.333	157.3	9.22	11	29.12	0
11/3/20 2:09	3.477	174.2	7.636	10.66	29.12	0
11/3/20 2:21	3.612	162.5	6.852	10.76	29.12	0
11/3/20 2:39	3.769	172.2	9.02	10.81	29.12	0
11/3/20 2:52	3.482	176.4	11.43	10.29	29.09	0
11/3/20 3:07	1.79	154.4	36.86	10.31	29.09	0
11/3/20 3:29	3.478	191.3	6.263	10.45	29.09	0
11/3/20 3:33	4.63	189.3	13.87	9.85	29.09	0
11/3/20 3:47	4.424	185.9	8.86	9.61	29.08	0
11/3/20 4:07	5.441	204.8	3.542	9.24	29.08	0
11/3/20 4:29	5.098	203.3	5.649	9.08	29.08	0
11/3/20 4:43	7.472	219.3	3.913	8.65	29.08	0
11/3/20 4:47	5.716	206.9	16.53	8.35	29.06	0
11/3/20 5:14	3.356	136.4	21.36	7.599	29.06	0
11/3/20 5:25	4.426	178	15.63	7.843	29.06	0
11/3/20 5:37	4.717	153.2	9.77	7.696	29.06	0
11/3/20 5:57	2.938	189.5	26.15	7.779	29.06	0
11/3/20 6:08	3.688	180.7	8.47	7.651	29.06	0
11/3/20 6:17	3.335	215.4	30.86	7.632	29.06	0
11/3/20 6:42	3.155	278.2	16.26	7.52	29.06	0
11/3/20 6:58	3.417	34.44	45.91	7.809	29.06	0
11/3/20 7:04	3.423	48.85	47.52	7.934	29.06	0.01
11/3/20 7:28	3.701	70.52	42.74	8.7	29.06	0
11/3/20 7:32	2.597	83.9	53.58	8.78	29.06	0
11/3/20 7:50	2.811	259.5	33.45	10.02	29.07	0
11/3/20 8:13	9.78	289.1	8.87	8.72	29.07	0.01
11/3/20 8:15	7.873	340.5	32.55	8.13	29.07	0.03
11/3/20 8:32	7.119	15.82	7.578	7.87	29.07	0.03
11/3/20 8:57	6.199	28.44	14.08	7.723	29.1	0.04
11/3/20 9:00	5.737	38.72	16.29	7.969	29.1	0.05
11/3/20 9:20	6.136	91.1	28.35	8.45	29.1	0.06
11/3/20 9:43	4.514	167.1	26.63	8.37	29.1	0.06
11/3/20 9:47	6.953	122.6	8.73	8.69	29.11	0.07
11/3/20 10:13	7.257	117.4	9.36	8.87	29.11	0.05
11/3/20 10:15	6.075	113.6	12.38	9.28	29.11	0.05
11/3/20 10:31	5.708	113.1	9.9	9.46	29.11	0.04
11/3/20 10:46	3.969	104.2	12.58	9.39	29.1	0.05
11/3/20 11:00	3.197	123.7	17.05	9.47	29.1	0.01
11/3/20 11:26	3.868	147.9	18.86	9.71	29.1	0
11/3/20 11:30	1.266	111.1	35.97	9.85	29.1	0.01
11/3/20 11:48	1.728	19.73	41.47	10.27	29.11	0.01
11/3/20 12:14	1.588	57.14	36.72	10.78	29.11	0.02
11/3/20 12:26	3.558	100.5	35.28	11.31	29.11	0.02
11/3/20 12:39	4.836	135.2	18.7	11.67	29.11	0
11/3/20 12:45	6.025	144.9	11.36	11.96	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
11/3/20 13:06	6.626	144.4	10.17	12.13	29.08	0
11/3/20 13:30	5.605	135.4	12.97	12.33	29.08	0
11/3/20 13:31	7	150.3	17.58	12.43	29.08	0
11/3/20 13:52	5.297	149.3	9.32	12.35	29.09	0.01
11/3/20 14:03	5.942	137.3	11.53	12.22	29.09	0
11/3/20 14:16	5.013	135.5	7.916	12.24	29.09	0.01
11/3/20 14:39	4.374	126.9	11.8	12.3	29.09	0.01
11/3/20 14:56	4.696	125.4	9.04	12.36	29.1	0.04
11/3/20 15:04	4.908	125.1	8.95	12.48	29.1	0
11/3/20 15:20	4.517	127.3	8.03	12.57	29.1	0.02
11/3/20 15:44	3.543	151.1	18.28	12.7	29.1	0.04
11/3/20 15:45	4.705	144.2	12.95	12.77	29.11	0.01
11/3/20 16:12	5.276	133.4	8.07	12.72	29.11	0.02
11/3/20 16:22	5.897	140.2	12.64	12.77	29.11	0.01
11/3/20 16:32	5.727	136.2	8.44	12.84	29.11	0
11/3/20 16:49	5.387	141	13.78	12.91	29.11	0
11/3/20 17:13	4.737	147.8	17.72	12.98	29.11	0
11/3/20 17:28	4.114	138.8	10.98	13.02	29.11	0.01
11/3/20 17:32	4.452	142.9	11.88	12.97	29.11	0
11/3/20 17:56	4.461	143.8	12.16	13.05	29.12	0
11/3/20 18:06	4.801	158.1	7.242	13.09	29.12	0
11/3/20 18:22	4.325	161.7	7.132	13.08	29.12	0.01
11/3/20 18:31	3.09	141.3	15.35	13.08	29.12	0.01
11/3/20 18:56	3.563	130	6.548	13.1	29.12	0.01
11/3/20 19:14	4.291	132.9	6.173	13.15	29.12	0.01
11/3/20 19:24	6.213	135.4	6.729	13.25	29.12	0
11/3/20 19:43	6.583	135.7	7.598	13.3	29.12	0
11/3/20 19:54	6.562	131.3	9.48	13.4	29.12	0
11/3/20 20:00	6.422	130.8	7.427	13.52	29.12	0
11/3/20 20:23	5.966	120.6	8.88	13.57	29.12	0
11/3/20 20:45	6.521	128.6	7.098	13.63	29.12	0.01
11/3/20 20:45	6.967	136.9	7.004	13.69	29.12	0.02
11/3/20 21:11	6.286	135.9	6.29	13.69	29.12	0.01
11/3/20 21:22	7.636	135.2	10.42	13.74	29.12	0.01
11/3/20 21:31	7.432	130.8	7.957	13.77	29.12	0
11/3/20 21:47	7.675	129.5	8.15	13.86	29.11	0.01
11/3/20 22:07	9.57	138.5	9.64	14.01	29.11	0
11/3/20 22:22	8.21	137.3	7.241	14.1	29.11	0.01
11/3/20 22:40	8.43	132.5	8.86	14.14	29.11	0.03
11/3/20 22:49	8.38	133.8	7.924	14.15	29.1	0
11/3/20 23:12	7.173	127.7	9.3	14.23	29.1	0
11/3/20 23:24	9.46	135.6	7.539	14.43	29.1	0
11/3/20 23:43	9.41	141.9	8.52	14.47	29.1	0.01
11/3/20 23:45	9.23	143	6.849	14.57	29.11	0
11/4/20 0:11	9.18	139.6	7.493	14.67	29.11	0
11/4/20 0:18	9.75	143.9	7.049	14.86	29.11	0
11/4/20 0:32	9	149	7.723	14.88	29.11	0
11/4/20 0:52	7.517	151.3	10.32	14.83	29.14	0
11/4/20 1:04	7.669	150	9.29	14.8	29.14	0
11/4/20 1:22	9.58	149.3	9.09	14.87	29.14	0
11/4/20 1:37	10.75	159.1	8.96	15.08	29.14	0.01
11/4/20 1:50	10.49	157.2	9.03	15.11	29.14	0
11/4/20 2:14	10.92	162.8	7.306	15.09	29.14	0
11/4/20 2:18	9	159.2	8.76	14.85	29.14	0
11/4/20 2:30	8.52	160.7	12.8	14.88	29.14	0
11/4/20 2:53	9.26	163.6	6.364	14.86	29.12	0
11/4/20 3:02	7.252	147.8	11.87	14.81	29.12	0
11/4/20 3:29	6.202	140.5	11.94	14.65	29.12	0
11/4/20 3:38	6.659	160.3	12.01	14.79	29.12	0.02
11/4/20 3:47	6.994	145.3	12.62	14.65	29.16	0.01
11/4/20 4:14	6.752	134.4	12.58	14.47	29.16	0
11/4/20 4:29	6.706	134.3	10.42	14.51	29.16	0
11/4/20 4:44	9	135.3	9.92	14.53	29.16	0
11/4/20 4:46	10.38	139.7	7.175	14.56	29.16	0.01
11/4/20 5:09	9.92	139.7	5.371	14.44	29.16	0
11/4/20 5:27	11.41	145.9	14.83	14.6	29.16	0
11/4/20 5:30	10.6	155.2	11.7	14.68	29.16	0
11/4/20 5:46	9.77	137.5	7.324	14.5	29.16	0
11/4/20 6:06	9.43	138.2	8.36	14.59	29.16	0
11/4/20 6:23	7.675	129.6	7.841	14.64	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
11/4/20 6:34	8.74	134.4	9.16	14.64	29.16	0
11/4/20 6:58	6.846	121.2	10.11	14.42	29.19	0
11/4/20 7:00	6.283	121.9	13.56	14.29	29.19	0
11/4/20 7:25	6.584	134.7	8.22	14.47	29.19	0.01
11/4/20 7:39	6.094	143.5	18.14	14.88	29.19	0.01
11/4/20 7:48	8.11	143.6	9.55	15.09	29.2	0
11/4/20 8:03	8.26	146.4	9.48	15.33	29.2	0
11/4/20 8:21	6.274	130.8	9.19	15.12	29.2	0
11/4/20 8:34	6.987	125.2	8.28	15.32	29.2	0
11/4/20 8:59	9.29	135.4	10.55	15.57	29.21	0
11/4/20 9:02	10.38	140.1	5.831	15.58	29.21	0
11/4/20 9:26	10.94	142.6	7.677	15.95	29.21	0
11/4/20 9:37	9.98	155.2	8.67	16.02	29.21	0
11/4/20 9:54	7.412	151.5	9.25	16.11	29.23	0
11/4/20 10:14	8.59	146.9	10.94	16.62	29.23	0
11/4/20 10:28	11.36	167	7.492	17.03	29.23	0
11/4/20 10:37	12.49	172.4	8.91	17.28	29.23	0
11/4/20 10:56	14.62	174.8	9.98	17.41	29.22	0
11/4/20 11:02	14.78	178.1	10.87	17.7	29.22	0
11/4/20 11:18	14.59	176.1	10.91	17.98	29.22	0
11/4/20 11:43	14.81	173.3	11.32	17.91	29.22	0
11/4/20 11:49	17.52	176	10.79	18.03	29.24	0
11/4/20 12:04	16.04	176.5	9.08	18.09	29.24	0
11/4/20 12:20	19.78	179.9	11.56	18.38	29.24	0
11/4/20 12:33	21.47	177.8	10.63	18.39	29.24	0
11/4/20 13:00	19.27	176.5	10.66	18	29.21	0
11/4/20 13:14	18.35	183.2	9.33	17.92	29.21	0
11/4/20 13:24	19.93	182.8	10.35	17.84	29.21	0
11/4/20 13:30	16.17	181.3	9.59	17.79	29.21	0
11/4/20 13:45	13.65	175.5	11.05	17.84	29.25	0
11/4/20 14:00	10.11	167.8	7.982	17.62	29.25	0
11/4/20 14:19	10.77	172.2	10.66	17.64	29.25	0
11/4/20 14:35	10.22	163	6.543	17.75	29.25	0
11/4/20 14:55	9.36	162.8	9.63	17.77	29.23	0
11/4/20 15:03	12.04	161.9	8.1	17.86	29.23	0
11/4/20 15:24	12.95	147.8	7.648	17.72	29.23	0
11/4/20 15:32	14.05	148	8.99	17.64	29.23	0
11/4/20 15:51	15.1	155.8	8.71	17.74	29.2	0
11/4/20 16:04	14.08	170.7	10.66	17.55	29.2	0
11/4/20 16:26	14.79	170.5	8.92	17.4	29.2	0
11/4/20 16:41	12.27	167.9	8.69	17.52	29.2	0
11/4/20 16:46	12.23	167.7	9.65	17.78	29.21	0
11/4/20 17:14	10.98	167.3	8.16	17.61	29.21	0
11/4/20 17:21	9.08	171.7	7.817	17.34	29.21	0
11/4/20 17:44	8.87	171.2	10.19	17.24	29.21	0
11/4/20 17:58	10.14	172.6	10.92	17.45	29.2	0
11/4/20 18:12	13.35	185.6	10.62	17.41	29.2	0
11/4/20 18:21	13.85	198	8.37	17.33	29.2	0
11/4/20 18:30	18.06	200.2	7.921	16.76	29.2	0
11/4/20 18:58	17.1	192.1	11.46	16.2	29.21	0
11/4/20 19:08	17.63	182.9	10.28	16.2	29.21	0
11/4/20 19:15	16.08	179.5	11.52	16.23	29.21	0
11/4/20 19:44	17.26	179.2	10.42	16.27	29.21	0
11/4/20 19:50	19.78	191.4	11.24	16.17	29.21	0
11/4/20 20:14	15.46	190.5	9.77	15.85	29.21	0.01
11/4/20 20:17	17.25	195.8	8.91	16.24	29.21	0
11/4/20 20:34	17.17	200.9	8.51	16.07	29.21	0.01
11/4/20 20:45	19.32	189.1	8.97	15.38	29.2	0.01
11/4/20 21:15	17.77	189.8	9.51	15.36	29.2	0
11/4/20 21:26	19.3	193.6	8.42	15.6	29.2	0
11/4/20 21:43	21.58	193.6	9.93	15.55	29.2	0
11/4/20 21:46	20.06	188.1	9.87	15.11	29.23	0
11/4/20 22:00	20.25	182.2	9.69	14.78	29.23	0.01
11/4/20 22:19	17.19	182.7	10.09	14.65	29.23	0.01
11/4/20 22:30	17.61	179	9.51	14.56	29.23	0
11/4/20 22:48	15.59	181.4	11.53	14.61	29.23	0
11/4/20 23:00	15.12	189.9	12.78	14.59	29.23	0.01
11/4/20 23:30	15.53	220.7	11.36	14.28	29.23	0.15
11/4/20 23:45	17.04	211.6	10.92	14.4	29.23	0.02
11/4/20 23:45	16.62	193.2	8.85	14.33	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
11/5/20 0:01	15.3	195.5	8.95	14.26	29.26	0
11/5/20 0:23	16.74	192.8	9.42	14.33	29.26	0
11/5/20 0:37	14.8	189.3	9.58	14.3	29.26	0
11/5/20 0:50	13.6	190.6	7.611	14.28	29.28	0
11/5/20 1:11	12.63	184.6	8.78	14.27	29.28	0
11/5/20 1:22	13.56	185	10.96	14.24	29.28	0.02
11/5/20 1:40	13.64	217.4	14.82	13.87	29.28	0.11
11/5/20 1:54	20.52	219.2	9.9	13.8	29.27	0
11/5/20 2:01	14.61	215.7	10.06	13.58	29.27	0
11/5/20 2:23	13.42	202.2	9.28	13.52	29.27	0
11/5/20 2:38	10.8	194.7	9.21	13.51	29.27	0
11/5/20 2:59	10.57	210	16.12	13.48	29.27	0
11/5/20 3:08	16.93	220.7	9	13.56	29.27	0
11/5/20 3:27	16.41	210.4	9.57	13.47	29.27	0
11/5/20 3:31	14.57	205.8	9.87	13.32	29.27	0
11/5/20 3:59	13.11	205.3	9.29	13.27	29.3	0
11/5/20 4:07	12.17	203.2	9.93	13.31	29.3	0.01
11/5/20 4:23	13.26	206.1	8.91	13.01	29.3	0
11/5/20 4:44	13.24	210.2	14.2	12.82	29.3	0.01
11/5/20 4:45	14.22	210	9.09	12.65	29.28	0
11/5/20 5:13	12.52	182.5	9.27	12.48	29.28	0
11/5/20 5:22	13.07	188.8	8.63	12.76	29.28	0
11/5/20 5:36	11.1	185.1	7.895	12.71	29.28	0
11/5/20 5:51	11.81	180.8	8.48	12.59	29.28	0
11/5/20 6:04	12.07	187.3	7.084	12.52	29.28	0
11/5/20 6:28	11.47	187	8.79	12.41	29.28	0
11/5/20 6:37	10.1	190.4	7.852	12.35	29.28	0
11/5/20 6:51	7.753	173.9	9.57	12.23	29.28	0
11/5/20 7:09	8.07	174.7	8.66	12.18	29.28	0
11/5/20 7:28	7.634	167.8	8.92	12.04	29.28	0
11/5/20 7:35	9.83	172.4	8.84	11.93	29.28	0.03
11/5/20 7:56	9.71	159.8	10.47	11.77	29.29	0.01
11/5/20 8:14	9.19	167.1	8.38	11.77	29.29	0.02
11/5/20 8:29	10.53	195.2	13.76	11.65	29.29	0.03
11/5/20 8:36	12.22	203.1	12.21	11.58	29.29	0.03
11/5/20 8:47	9.65	188.4	9.76	11.41	29.32	0.01
11/5/20 9:04	10.35	168.6	14.53	11.23	29.32	0.01
11/5/20 9:16	9.35	160.2	9	10.98	29.32	0
11/5/20 9:37	8.67	167.8	8.15	10.84	29.32	0
11/5/20 9:56	8.31	148.1	10.12	10.7	29.3	0
11/5/20 10:09	7.676	148.5	8.3	10.54	29.3	0
11/5/20 10:20	8.47	149.4	9.89	10.46	29.3	0
11/5/20 10:32	8.54	154.1	8.67	10.44	29.3	0
11/5/20 10:48	8.28	156	10.6	10.4	29.31	0
11/5/20 11:05	6.934	158.7	11.15	10.35	29.31	0
11/5/20 11:28	8.05	168.5	8.55	10.28	29.31	0.01
11/5/20 11:30	7.475	169.3	9.55	10.2	29.31	0.01
11/5/20 11:50	6.036	179.8	9.85	10.13	29.27	0.01
11/5/20 12:10	6.237	196.2	21.1	10.05	29.27	0.02
11/5/20 12:17	7.268	229.9	10.77	9.88	29.27	0.01
11/5/20 12:30	6.311	229.9	6.301	9.63	29.27	0.02
11/5/20 12:54	4.852	222.9	12.16	9.43	29.27	0.02
11/5/20 13:00	3.532	192.2	25.32	9.28	29.27	0.02
11/5/20 13:29	3.151	132.1	39.71	9.12	29.27	0.02
11/5/20 13:32	2.486	100.1	15.88	9.04	29.27	0
11/5/20 13:59	3.106	55.21	21.12	8.92	29.24	0.01
11/5/20 14:13	5.811	9.55	22.2	8.22	29.24	0.02
11/5/20 14:17	6.926	33.03	16.8	7.69	29.24	0.03
11/5/20 14:41	6.023	62.85	11.89	7.514	29.24	0.02
11/5/20 14:49	5.96	44.98	17.69	7.528	29.22	0
11/5/20 15:14	4.628	28.21	9.1	7.361	29.22	0.01
11/5/20 15:29	8.79	22.1	10.46	7.163	29.22	0.02
11/5/20 15:30	9.21	41.08	11.43	7.247	29.22	0.01
11/5/20 15:53	6.804	107.8	14.94	7.213	29.16	0
11/5/20 16:01	6.946	107.9	16.89	7.356	29.16	0
11/5/20 16:17	4.295	93.8	17.7	7.358	29.16	0
11/5/20 16:34	2.318	102.4	60.52	7.502	29.16	0
11/5/20 16:52	2.476	122.6	31.73	7.229	29.16	0
11/5/20 17:14	2.535	26.51	10.02	6.757	29.16	0
11/5/20 17:15	3.661	46.85	10.22	6.675	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
11/5/20 17:30	2.132	85.2	19.91	6.787	29.16	0
11/5/20 17:53	3.2	158	21.57	7.374	29.13	0
11/5/20 18:12	4.525	185.2	20.17	7.301	29.13	0
11/5/20 18:23	4.565	184.5	17.05	6.938	29.13	0
11/5/20 18:32	1.813	75.3	28.46	6.458	29.13	0
11/5/20 18:49	2.982	66.52	5.501	6.259	29.09	0
11/5/20 19:14	2.53	72.52	10.41	6.387	29.09	0
11/5/20 19:21	3.516	49.16	20.51	6.327	29.09	0
11/5/20 19:35	3.94	16.3	12.24	6.185	29.09	0
11/5/20 19:58	6.402	16.51	7.857	5.909	29.07	0
11/5/20 20:00	5.59	5.301	12.68	5.834	29.07	0
11/5/20 20:29	3.69	24.13	21.62	5.937	29.07	0
11/5/20 20:39	7.172	15.66	7.166	6.078	29.07	0
11/5/20 20:45	6.895	4.545	10.5	6.048	29.03	0
11/5/20 21:01	4.113	343.7	12.04	6.028	29.03	0
11/5/20 21:19	2.339	358.3	13.69	5.91	29.03	0
11/5/20 21:41	5.482	7.761	19.58	6.02	29.03	0
11/5/20 21:54	7.269	352.1	13.05	6.199	29.03	0
11/5/20 22:12	10.21	355.1	14.45	6.206	29.03	0
11/5/20 22:15	7.948	356.5	23.86	6.432	29.03	0
11/5/20 22:37	11.89	29.89	17.62	6.216	29.03	0
11/5/20 22:47	11.81	13.75	15.84	6.092	28.99	0
11/5/20 23:12	13.24	9.45	16.93	6.329	28.99	0
11/5/20 23:18	11.83	2.552	22.21	6.513	28.99	0
11/5/20 23:40	5.476	7.37	18.13	6.327	28.99	0
11/5/20 23:52	8.08	24.82	10.17	6.078	29.03	0
11/6/20 0:07	6.81	25.47	17.2	5.987	29.03	0
11/6/20 0:25	9.02	31.96	15.5	6.176	29.03	0
11/6/20 0:42	10.31	16.28	11.43	6.21	29.03	0
11/6/20 0:51	11.31	12.73	12.1	5.982	29.04	0
11/6/20 1:02	12.34	2.961	14.09	6.002	29.04	0
11/6/20 1:29	11.45	344.8	13.79	6.119	29.04	0.01
11/6/20 1:30	11.72	345.9	12.56	6.065	29.04	0.01
11/6/20 1:46	8.88	354.2	13.19	5.767	29.05	0
11/6/20 2:06	8.4	353.5	12.56	5.586	29.05	0
11/6/20 2:18	8.71	355.2	12.11	5.623	29.05	0.01
11/6/20 2:40	12.29	346.6	13.21	5.924	29.05	0
11/6/20 2:48	10.6	356	14.78	5.974	29.01	0
11/6/20 3:07	11.38	357.1	12.39	5.981	29.01	0
11/6/20 3:17	7.589	356.1	18.43	6.188	29.01	0
11/6/20 3:32	7.323	2.703	16.36	6.361	29.01	0
11/6/20 3:46	7.344	14.93	17.21	6.051	29.02	0
11/6/20 4:12	4.45	27.68	25.42	5.975	29.02	0
11/6/20 4:16	6.433	23.74	18.2	5.858	29.02	0
11/6/20 4:40	15.56	354.1	13.9	5.9	29.02	0
11/6/20 4:56	16.21	359	14.92	5.898	28.97	0.01
11/6/20 5:02	18.48	355.7	16.31	5.774	28.97	0
11/6/20 5:22	13.62	356.4	16.91	5.744	28.97	0
11/6/20 5:30	9.69	320.1	23.76	5.857	28.97	0
11/6/20 5:49	6.265	4.334	36.56	5.612	29.02	0
11/6/20 6:01	6.713	40.18	24.88	5.462	29.02	0
11/6/20 6:15	4.809	4.71	59.19	5.642	29.02	0
11/6/20 6:42	3.781	306.4	76.51	5.797	29.02	0
11/6/20 6:52	6.137	344.6	22.93	5.726	29.03	0
11/6/20 7:06	6.18	346.6	28.14	5.646	29.03	0
11/6/20 7:23	9.14	358.6	14.46	5.662	29.03	0
11/6/20 7:33	7.028	355.5	22.1	5.677	29.03	0
11/6/20 7:45	6.995	354.4	33.85	5.782	29.05	0
11/6/20 8:01	5.317	13.03	24.51	5.847	29.05	0
11/6/20 8:24	2.658	314.9	26.15	5.943	29.05	0
11/6/20 8:38	4.181	2.813	53.81	6.138	29.05	0
11/6/20 8:49	4.796	359.7	29.93	6.13	29.07	0
11/6/20 9:10	3.971	343.9	30.08	6.115	29.07	0
11/6/20 9:21	3.829	349.3	42.11	6.081	29.07	0
11/6/20 9:37	3.72	349	23.61	6.185	29.07	0
11/6/20 9:59	6.046	357.8	27.21	6.115	29.06	0
11/6/20 10:08	6.68	350.6	23.73	6.093	29.06	0
11/6/20 10:23	5.515	9.84	19.81	6.08	29.06	0
11/6/20 10:43	5.748	7.812	15.45	6.117	29.06	0
11/6/20 10:57	6.77	7.196	14.81	6.018	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
11/6/20 11:14	6.886	10.72	9.83	6.07	29.05	0
11/6/20 11:15	7.266	4.239	12.28	6.26	29.05	0
11/6/20 11:33	7.647	0.964	14.75	6.429	29.05	0
11/6/20 11:51	6.701	339.7	17.95	6.399	29.02	0
11/6/20 12:05	5.577	340.9	16.71	6.471	29.02	0
11/6/20 12:21	5.036	6.143	13.65	6.632	29.02	0
11/6/20 12:44	3.789	359.7	15.59	6.616	29.02	0
11/6/20 12:55	5.046	355.8	15.14	6.81	29.04	0
11/6/20 13:11	5.128	351.6	15.03	7.161	29.04	0
11/6/20 13:28	6.385	354.9	12.1	7.292	29.04	0
11/6/20 13:38	4.658	338.3	14.17	7.16	29.04	0
11/6/20 13:55	5.301	345.9	30.01	7.526	29.03	0
11/6/20 14:12	4.348	17.22	18.84	7.513	29.03	0
11/6/20 14:18	6.011	12.88	14.83	7.335	29.03	0
11/6/20 14:36	3.856	27.25	12.3	7.256	29.03	0
11/6/20 14:46	3.697	15.71	11.82	7.21	29.05	0
11/6/20 15:03	5.392	4.026	11.07	7.193	29.05	0
11/6/20 15:15	4.086	357.7	19.35	7.229	29.05	0
11/6/20 15:44	3.375	330.1	7.786	7.254	29.05	0
11/6/20 15:49	4.805	328.4	10.66	7.247	29.04	0
11/6/20 16:14	4.538	327.3	9.81	7.302	29.04	0
11/6/20 16:15	1.799	359.1	25.93	7.239	29.04	0
11/6/20 16:34	0.652	42.35	2.458	7.143	29.04	0
11/6/20 16:56	1.751	54.19	18.39	6.924	29.02	0
11/6/20 17:05	1.605	119.8	18.38	6.83	29.02	0
11/6/20 17:26	0.925	122	10.4	6.76	29.02	0
11/6/20 17:43	1.033	323	46.11	6.454	29.02	0
11/6/20 17:47	2.005	299.6	3.558	5.944	29.03	0
11/6/20 18:12	1.105	294.1	4.241	6.4	29.03	0
11/6/20 18:15	0.87	287.6	1.237	6.411	29.03	0
11/6/20 18:40	3.36	307.5	15.42	5.847	29.03	0
11/6/20 18:56	5.478	308.9	3.271	5.133	29.02	0
11/6/20 19:10	5.925	316.2	5.792	5.051	29.02	0
11/6/20 19:15	4.526	326.8	7.665	5.191	29.02	0
11/6/20 19:30	2.205	8.2	13.9	5.062	29.02	0
11/6/20 19:58	3.258	7.088	11.33	5.291	29.05	0
11/6/20 20:12	3.771	26.63	11.15	5.126	29.05	0
11/6/20 20:15	5.35	33.42	11.33	4.886	29.05	0
11/6/20 20:33	4.745	358.9	14.2	5.051	29.05	0
11/6/20 20:45	2.681	341.6	11.01	5.405	29.04	0
11/6/20 21:08	4.677	332.1	12.14	5.206	29.04	0
11/6/20 21:27	3.308	25.63	14.27	4.738	29.04	0
11/6/20 21:37	2.647	21.36	6.622	4.623	29.04	0
11/6/20 21:52	2.038	9.38	10.57	4.059	29.03	0
11/6/20 22:12	2.595	55.71	19.14	3.228	29.03	0
11/6/20 22:27	3.834	42.98	7.561	3.126	29.03	0
11/6/20 22:33	3.094	30.25	12.81	3.235	29.03	0
11/6/20 22:59	2.596	33.31	9.13	3.635	29.03	0
11/6/20 23:00	2.403	23.27	8.26	3.642	29.03	0
11/6/20 23:26	1.706	18.36	10.67	3.761	29.03	0
11/6/20 23:43	0.203	40.2	5.859	3.686	29.03	0
11/6/20 23:53	1.333	24.4	17.6	3.592	29.01	0
11/7/20 0:00	1.98	8.04	17.29	3.691	29.01	0
11/7/20 0:21	1.057	50.15	14.93	3.673	29.01	0
11/7/20 0:40	1.791	239.9	61.91	3.029	29.01	0
11/7/20 0:56	3.104	190.3	12.89	3.266	28.98	0
11/7/20 1:00	1.389	129.3	16.69	2.506	28.98	0
11/7/20 1:23	1.944	126.6	6.027	2.71	28.98	0
11/7/20 1:39	1.918	148.3	12.48	2.803	28.98	0
11/7/20 1:52	2.336	274.9	38.16	2.247	28.98	0
11/7/20 2:00	1.084	251	21.42	2.254	28.98	0
11/7/20 2:28	1.014	185.2	7.046	2.443	28.98	0
11/7/20 2:42	3.045	164.5	12.76	2.685	28.98	0
11/7/20 2:59	2.669	147	7.486	2.437	28.98	0
11/7/20 3:14	3.646	187.9	15.28	2.062	28.98	0
11/7/20 3:29	4.984	185.7	9.1	2.104	28.98	0
11/7/20 3:30	5.326	193	5.687	2.05	28.98	0
11/7/20 3:45	4.048	188.1	6.945	2.182	28.99	0
11/7/20 4:11	3.757	170.3	10.92	2.196	28.99	0
11/7/20 4:24	3.801	152	4.557	2.111	28.99	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/7/20 4:33	3.284	139.5	7.169	2.247	28.99	0
11/7/20 4:59	2.304	136.1	14.76	2.351	28.99	0
11/7/20 5:02	3.681	147.4	6.718	2.457	28.99	0
11/7/20 5:18	3.603	141.2	9.84	2.538	28.99	0
11/7/20 5:34	3.265	163	11.83	2.683	28.99	0
11/7/20 5:46	2.407	186.7	28.9	2.784	28.98	0
11/7/20 6:01	2.841	182.8	10.68	2.725	28.98	0
11/7/20 6:17	2.054	158	16.46	2.679	28.98	0
11/7/20 6:30	0.651	163.1	14.75	2.724	28.98	0
11/7/20 6:59	1	67.26	10.87	2.687	28.97	0
11/7/20 7:12	2.008	94.6	5.95	2.585	28.97	0
11/7/20 7:24	3.237	108.2	10.65	2.686	28.97	0
11/7/20 7:30	2.731	133.6	9.44	2.817	28.97	0
11/7/20 7:59	2.21	114.1	6.591	2.982	28.96	0
11/7/20 8:09	1.964	87.9	11.65	3.156	28.96	0
11/7/20 8:21	2.123	218.2	37.77	3.317	28.96	0
11/7/20 8:44	2.027	251.5	7.466	3.647	28.96	0
11/7/20 8:58	4.05	219.2	10.59	3.592	28.96	0
11/7/20 9:06	4.743	201.2	5.372	3.686	28.96	0
11/7/20 9:18	4.604	202.9	7.244	3.835	28.96	0
11/7/20 9:44	4.105	187.2	11.95	3.926	28.96	0
11/7/20 9:50	4.235	196.6	7.203	3.711	28.94	0
11/7/20 10:01	4.029	208.9	11.34	3.823	28.94	0
11/7/20 10:21	3.731	261.5	15.5	3.96	28.94	0
11/7/20 10:37	3.731	271.8	9.51	4.058	28.94	0
11/7/20 10:57	3.939	278.9	6.465	4.151	28.93	0
11/7/20 11:00	3.677	281.5	5.774	4.035	28.93	0
11/7/20 11:27	2.588	286.3	8.78	4.124	28.93	0
11/7/20 11:44	2.995	272.4	6.978	4.093	28.93	0
11/7/20 11:59	3.886	280.3	8.33	4.058	28.91	0
11/7/20 12:10	4.637	298.1	9.63	4.177	28.91	0
11/7/20 12:15	3.844	313.5	13.4	4.087	28.91	0
11/7/20 12:37	4.267	354.5	20.1	4.15	28.91	0
11/7/20 12:56	4.546	18.53	15.59	4.14	28.89	0
11/7/20 13:04	8	13.15	13.23	3.761	28.89	0.01
11/7/20 13:19	7.92	13.92	16.77	3.641	28.89	0
11/7/20 13:35	5.419	21.26	13.95	3.696	28.89	0
11/7/20 13:50	6.592	17.15	11.14	3.776	28.88	0
11/7/20 14:01	3.814	5.331	15.32	4.095	28.88	0
11/7/20 14:17	3.764	36.83	9.31	4.142	28.88	0
11/7/20 14:37	3.8	20.27	21.67	4.213	28.88	0
11/7/20 14:52	5.63	351	15.33	4.293	28.9	0
11/7/20 15:14	4.635	19.33	15.19	4.184	28.9	0
11/7/20 15:17	6.082	13.08	11.73	4.075	28.9	0
11/7/20 15:31	4.828	354.9	16.62	4.103	28.9	0
11/7/20 15:47	6.89	326	13.31	4.122	28.91	0
11/7/20 16:06	7.755	348.1	13.64	4.059	28.91	0
11/7/20 16:15	4.977	15.3	24.63	3.905	28.91	0
11/7/20 16:40	5.18	14.07	18.13	3.58	28.91	0
11/7/20 16:46	7.182	2.679	11.69	3.886	28.91	0
11/7/20 17:12	5.346	353	15.01	3.956	28.91	0
11/7/20 17:26	5.414	352.3	17.14	4.035	28.91	0
11/7/20 17:43	6.547	3.085	14.69	4.035	28.91	0
11/7/20 17:55	8.31	358.6	13.03	4.164	28.89	0
11/7/20 18:03	8.54	352.2	15.09	4.168	28.89	0
11/7/20 18:27	11.11	331.2	12.38	4.289	28.89	0
11/7/20 18:43	11.59	338.9	12.41	4.368	28.89	0
11/7/20 18:48	11.46	340.8	12.39	4.232	28.88	0
11/7/20 19:05	8.55	355.2	13.97	4.014	28.88	0
11/7/20 19:22	7.489	348.9	11.76	3.541	28.88	0
11/7/20 19:36	6.609	352.4	12.09	3.479	28.88	0
11/7/20 19:45	3.595	332.5	19.48	3.23	28.88	0
11/7/20 20:02	7.952	334.9	12.27	3.199	28.88	0
11/7/20 20:17	6.233	353.6	11.59	2.966	28.88	0
11/7/20 20:33	1.937	0.356	13.26	2.649	28.88	0
11/7/20 20:58	0.518	38.75	20.41	2.59	28.91	0
11/7/20 21:04	2.613	317.2	21.39	2.635	28.91	0
11/7/20 21:21	1.704	334.3	47.38	2.202	28.91	0
11/7/20 21:41	0.847	289.3	67.36	2.087	28.91	0
11/7/20 21:58	1.453	137.8	48.7	1.439	28.92	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/7/20 22:09	2.44	114.8	42.94	1.387	28.92	0
11/7/20 22:18	5.074	37.66	25.27	1.666	28.92	0
11/7/20 22:36	10.43	9.02	14	2.285	28.92	0
11/7/20 22:50	10.24	358.6	12.18	2.212	28.89	0
11/7/20 23:13	12.12	358.1	14.47	2.156	28.89	0
11/7/20 23:26	12.41	2.899	12.49	2.045	28.89	0
11/7/20 23:42	12.66	17.02	8.22	1.626	28.89	0
11/7/20 23:53	10.94	17.73	8.42	1.527	28.92	0
11/8/20 0:11	10.43	21.45	8.24	1.202	28.92	0
11/8/20 0:21	11.35	19.15	8.49	1.614	28.92	0
11/8/20 0:38	10.63	20.42	8.22	1.845	28.92	0
11/8/20 0:49	9.93	24.28	9.2	1.569	28.95	0
11/8/20 1:13	9.49	26.42	11.33	1.499	28.95	0
11/8/20 1:21	8.17	20.75	11.46	1.379	28.95	0
11/8/20 1:42	7.895	9.85	14.71	1.852	28.95	0
11/8/20 1:46	3.639	28.93	18.41	1.081	28.95	0
11/8/20 2:07	4.001	9.98	22.44	1.081	28.95	0
11/8/20 2:15	1.51	318.4	29.9	1.233	28.95	0
11/8/20 2:31	2.865	32.97	22.75	1.077	28.95	0
11/8/20 2:47	2.211	38.51	24.73	0.674	28.99	0
11/8/20 3:15	2.012	23.42	59.12	0.673	28.99	0
11/8/20 3:25	5.282	10.21	14.1	1.282	28.99	0
11/8/20 3:31	3.945	23.32	18.44	0.852	28.99	0
11/8/20 3:47	2.418	51.89	28.31	0.721	28.99	0
11/8/20 4:14	1.684	17.63	32.38	1.075	28.99	0
11/8/20 4:15	1.469	43.68	63.64	1.267	28.99	0
11/8/20 4:32	3.105	57.04	46.9	1.534	28.99	0
11/8/20 4:51	1.954	347.7	48.2	1.634	29.02	0
11/8/20 5:02	3.502	350	18.58	1.087	29.02	0
11/8/20 5:30	1.578	29.58	51.03	1.163	29.02	0
11/8/20 5:44	2.501	47.24	66.47	0.488	29.02	0
11/8/20 5:45	2.913	22.73	21.77	0.471	29.05	0
11/8/20 6:08	3.732	15.13	13.89	0.151	29.05	0
11/8/20 6:15	1.53	73.52	31.37	0.098	29.05	0
11/8/20 6:32	3.978	92.4	49.97	0.199	29.05	0
11/8/20 6:45	2.346	102.3	47.14	0.062	29.09	0
11/8/20 7:09	3.756	8.48	22.65	1.005	29.09	0
11/8/20 7:24	2.507	140.7	36.43	-0.689	29.09	0
11/8/20 7:42	3.414	177.8	22.62	-0.393	29.09	0
11/8/20 7:52	4.445	174.8	19.14	-0.219	29.12	0
11/8/20 8:06	4.932	143.4	17.55	0.082	29.12	0
11/8/20 8:25	1.958	56.51	24	-0.01	29.12	0
11/8/20 8:44	2.846	59.08	29.73	2.086	29.12	0
11/8/20 8:46	2.652	10.81	32.48	2.682	29.14	0
11/8/20 9:09	4.156	280.7	14.91	3.255	29.14	0
11/8/20 9:17	2.197	108.3	31.85	3.35	29.14	0
11/8/20 9:44	2.411	65.22	31.02	3.262	29.14	0
11/8/20 9:52	3.089	61.44	17.74	3.057	29.16	0
11/8/20 10:04	2.589	60.98	20.21	3.096	29.16	0
11/8/20 10:23	3.098	48.48	33.21	3.535	29.16	0
11/8/20 10:31	2.541	16.31	17.74	4.201	29.16	0
11/8/20 10:54	2.491	0.484	27.58	4.567	29.2	0
11/8/20 11:08	6.871	26.84	14.3	4.658	29.2	0
11/8/20 11:28	6.353	31.26	12.49	4.935	29.2	0
11/8/20 11:42	6.738	31.6	11.73	5.043	29.2	0
11/8/20 11:48	6.226	33.29	11.69	5.32	29.2	0
11/8/20 12:08	5.2	24.33	16.74	5.686	29.2	0
11/8/20 12:26	5.745	30.29	13.77	5.662	29.2	0
11/8/20 12:44	6.158	46.91	14.56	5.982	29.2	0
11/8/20 12:46	5.601	43.94	17.64	6.097	29.23	0
11/8/20 13:03	4.81	36.52	14.66	6.215	29.23	0
11/8/20 13:24	3.304	29.96	31.81	6.595	29.23	0
11/8/20 13:40	3.528	1.638	37.12	7.007	29.23	0
11/8/20 13:54	4.169	24.78	39.96	6.781	29.22	0
11/8/20 14:07	3.471	26.84	22.85	6.909	29.22	0
11/8/20 14:25	2.444	21.25	17.52	6.952	29.22	0
11/8/20 14:44	3.846	29.63	31.32	6.892	29.22	0
11/8/20 14:45	3.881	2.081	38.17	6.931	29.25	0
11/8/20 15:14	3.463	1.036	17.96	6.919	29.25	0
11/8/20 15:24	2.502	23.68	18.54	6.752	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
11/8/20 15:30	2.156	7.781	15.7	6.925	29.25	0
11/8/20 15:46	2.296	23.99	11.01	6.448	29.29	0
11/8/20 16:00	2.575	54.23	11.86	6.338	29.29	0
11/8/20 16:15	1.944	33.34	7.756	6.2	29.29	0
11/8/20 16:42	3.049	306.1	45.83	5.838	29.29	0
11/8/20 16:56	3.603	302.9	9.89	5.55	29.31	0
11/8/20 17:00	4.568	334.7	23.54	4.803	29.31	0
11/8/20 17:17	2.506	27.74	13.05	4.143	29.31	0
11/8/20 17:35	2.294	15.83	16.68	4.009	29.31	0
11/8/20 17:59	2.862	27.89	9.43	3.754	29.33	0
11/8/20 18:06	3.032	32.49	6.604	3.405	29.33	0
11/8/20 18:15	1.176	23.65	14.63	3.375	29.33	0
11/8/20 18:33	0.59	44.05	8.57	3.415	29.33	0
11/8/20 18:55	1.774	296	23.33	3.86	29.33	0
11/8/20 19:08	2.718	224.4	21.24	3.017	29.33	0
11/8/20 19:15	0.904	283.9	26.09	3.223	29.33	0
11/8/20 19:33	1.294	254.6	25.69	2.627	29.33	0
11/8/20 19:47	0.635	228.2	16.74	3.294	29.34	0
11/8/20 20:12	0.098	353.5	5.602	2.942	29.34	0
11/8/20 20:21	1.476	104.4	28.13	2.039	29.34	0
11/8/20 20:32	1.32	117.8	11.41	2.518	29.34	0
11/8/20 20:55	2.35	156.2	14.45	3.086	29.37	0
11/8/20 21:03	2.525	156.9	9.56	1.941	29.37	0
11/8/20 21:16	2.525	158.1	11.66	2.129	29.37	0
11/8/20 21:44	1.872	146	22.96	1.991	29.37	0
11/8/20 21:51	4.144	198.5	29.42	0.849	29.37	0
11/8/20 22:02	3.806	159.7	12.3	0.74	29.37	0
11/8/20 22:25	3.421	135.9	20.83	0.901	29.37	0
11/8/20 22:40	3.899	133.7	5.656	0.852	29.37	0
11/8/20 22:58	4.237	145.6	9.69	0.897	29.36	0
11/8/20 23:10	4.725	141.5	7.437	0.943	29.36	0
11/8/20 23:24	4.407	144	5.548	0.922	29.36	0
11/8/20 23:31	4.208	146.1	6.148	1.071	29.36	0
11/8/20 23:55	3.972	132.2	8.43	0.892	29.38	0
11/9/20 0:00	2.68	101.7	13.37	0.758	29.38	0
11/9/20 0:24	5.98	111.6	13.55	0.699	29.38	0
11/9/20 0:30	5.213	141.4	8.46	0.994	29.38	0
11/9/20 0:58	3.755	155.6	7.813	1.056	29.35	0
11/9/20 1:11	3.532	145.6	8.86	1.11	29.35	0
11/9/20 1:15	3.333	145.2	6.243	1.22	29.35	0
11/9/20 1:44	3.538	168.6	8.47	1.212	29.35	0
11/9/20 1:45	3.347	153.9	7.494	1.096	29.38	0
11/9/20 2:14	3.595	150.5	5.707	0.751	29.38	0
11/9/20 2:26	3.588	144.7	2.755	0.678	29.38	0
11/9/20 2:30	3.189	138.5	2.866	0.721	29.38	0
11/9/20 2:58	3.292	146.8	6.758	0.275	29.36	0
11/9/20 3:00	3.231	155	6.178	0.796	29.36	0
11/9/20 3:28	4.319	167.6	5.599	0.341	29.36	0
11/9/20 3:41	5.191	182.6	10.35	-0.174	29.36	0
11/9/20 3:49	5.752	198.4	9.39	-0.308	29.39	0
11/9/20 4:12	5.322	209.1	8.23	-0.315	29.39	0
11/9/20 4:15	4.573	217.1	6.224	-0.231	29.39	0
11/9/20 4:33	2.925	158.9	34.64	-0.305	29.39	0
11/9/20 4:58	3.075	118.8	10.18	-0.656	29.38	0
11/9/20 5:08	3.919	104	9.27	-0.753	29.38	0
11/9/20 5:26	3.692	84.2	7.007	-1.098	29.38	0
11/9/20 5:30	3.841	94.6	12.26	-0.687	29.38	0
11/9/20 5:55	4.006	131.2	11.2	-0.096	29.4	0
11/9/20 6:03	4.699	137.1	4.957	-0.268	29.4	0
11/9/20 6:28	4.805	134.6	5.489	-0.693	29.4	0
11/9/20 6:30	5.608	136.8	4.961	-0.328	29.4	0
11/9/20 6:48	5.728	120.9	5.009	0.029	29.38	0
11/9/20 7:04	5.036	115.9	4.961	0.184	29.38	0
11/9/20 7:20	5.253	123.7	4.674	0.789	29.38	0
11/9/20 7:45	4.587	118.8	6.272	1.46	29.38	0
11/9/20 7:45	4.036	125.2	5.27	1.578	29.39	0
11/9/20 8:06	3.981	111.1	8.67	1.674	29.39	0
11/9/20 8:17	2.979	106.6	5.243	1.801	29.39	0
11/9/20 8:30	2.786	115.1	8.01	1.744	29.39	0
11/9/20 8:53	3.507	137.4	5.568	1.762	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
11/9/20 9:08	4.379	148.5	7.76	1.823	29.37	0
11/9/20 9:20	4.662	159.7	11.02	1.791	29.37	0
11/9/20 9:33	5.634	169.2	7.146	1.347	29.37	0
11/9/20 9:49	5.076	170	7.139	1.706	29.38	0
11/9/20 10:01	3.724	167.9	12.96	2.029	29.38	0
11/9/20 10:16	2.179	140.2	10.91	2.58	29.38	0
11/9/20 10:37	1.364	102.3	31.66	3.138	29.38	0
11/9/20 10:58	0.836	104.1	73.8	3.403	29.38	0
11/9/20 11:05	2.832	245.1	11.86	3.924	29.38	0
11/9/20 11:27	1.578	229	35.55	4.275	29.38	0
11/9/20 11:31	1.663	189.3	18.01	4.441	29.38	0
11/9/20 11:48	1.777	164.9	29.69	4.57	29.36	0
11/9/20 12:13	3.218	139.3	16.67	4.673	29.36	0
11/9/20 12:22	3.559	137.9	8.12	4.669	29.36	0
11/9/20 12:36	3.864	133.1	15.01	4.876	29.36	0
11/9/20 12:57	4.28	135.8	15.96	4.843	29.37	0
11/9/20 13:04	3.749	130.9	17.22	4.872	29.37	0
11/9/20 13:29	4.04	159.1	27.02	5.088	29.37	0
11/9/20 13:42	5.69	177.6	16	5.086	29.37	0
11/9/20 13:45	6.318	152.6	19.87	5.08	29.35	0
11/9/20 14:01	6.725	164.2	15.81	5.132	29.35	0
11/9/20 14:28	4.559	166.9	13.64	5.193	29.35	0
11/9/20 14:36	6.891	178	8.06	4.928	29.35	0
11/9/20 14:55	6.1	187.4	12.06	4.99	29.32	0
11/9/20 15:12	8.6	190.4	15.75	4.759	29.32	0
11/9/20 15:16	6.187	191	16.8	4.618	29.32	0
11/9/20 15:33	4.778	151.9	17.04	4.442	29.32	0
11/9/20 15:51	4.971	145.9	15.79	4.293	29.33	0
11/9/20 16:13	5.52	127.9	7.673	4.165	29.33	0
11/9/20 16:28	7.49	127.5	14.3	4.07	29.33	0
11/9/20 16:30	8.56	138.5	12.18	3.922	29.33	0
11/9/20 16:59	10.51	140.7	8.9	3.815	29.31	0
11/9/20 17:03	10.2	133.2	8.26	3.63	29.31	0
11/9/20 17:24	10.74	138.4	7.068	3.491	29.31	0
11/9/20 17:43	10.96	137.4	8.4	3.429	29.31	0
11/9/20 17:50	12.45	142.1	9.15	3.242	29.3	0.01
11/9/20 18:05	12.56	144.4	7.465	2.857	29.3	0
11/9/20 18:15	11.49	135.2	9.75	2.49	29.3	0.01
11/9/20 18:43	10.22	132.8	8.25	2.179	29.3	0.01
11/9/20 18:46	9.66	133.1	8.76	2.049	29.28	0.02
11/9/20 19:00	8.52	125.8	8.86	1.769	29.28	0.01
11/9/20 19:28	8.71	125	9.74	1.427	29.28	0.01
11/9/20 19:35	7.851	117.5	9.87	1.298	29.28	0.01
11/9/20 19:49	8.05	111.3	9.33	1.383	29.24	0
11/9/20 20:06	8.21	107.4	9.5	1.715	29.24	0
11/9/20 20:19	8.21	111.4	9.02	2.083	29.24	0
11/9/20 20:30	7.227	100.2	10.37	2.471	29.24	0
11/9/20 20:50	8.64	104.6	9.26	2.825	29.18	0
11/9/20 21:04	8.38	96.2	9.23	3.181	29.18	0.01
11/9/20 21:16	7.391	93.2	8.42	3.267	29.18	0
11/9/20 21:30	5.834	111.2	15.17	3.532	29.18	0.01
11/9/20 21:45	3.34	132.6	27.79	3.54	29.16	0
11/9/20 22:08	4.164	138.1	37.56	3.329	29.16	0.01
11/9/20 22:20	4.272	221.1	34.39	2.945	29.16	0
11/9/20 22:41	5.02	177.1	31.22	3.222	29.16	0.01
11/9/20 22:59	5.913	127.9	13.34	3.165	29.16	0.01
11/9/20 23:14	7.082	138	9.67	3.253	29.16	0
11/9/20 23:27	8.13	146	11.03	3.422	29.16	0
11/9/20 23:34	7.424	147	18.65	3.661	29.16	0
11/9/20 23:56	6.465	121.6	16.67	3.566	29.15	0
11/10/20 0:08	7.074	140.2	13.98	3.831	29.15	0
11/10/20 0:27	9.88	153.6	14.56	4.358	29.15	0
11/10/20 0:35	12.35	165.6	10.28	4.838	29.15	0
11/10/20 0:47	10.35	162.7	13.48	4.934	29.16	0
11/10/20 1:05	8.81	161.1	10.55	5.074	29.16	0
11/10/20 1:29	8.68	169.3	12.74	5.188	29.16	0
11/10/20 1:41	11.08	179.8	16.02	5.357	29.16	0
11/10/20 1:45	11.26	186	15.54	5.699	29.16	0
11/10/20 2:08	9.38	181.5	15.78	5.573	29.16	0
11/10/20 2:19	8.02	179.3	19.72	5.519	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
11/10/20 2:39	6.681	171.4	17.84	5.451	29.16	0
11/10/20 2:55	7.978	176.8	15.39	5.343	29.18	0
11/10/20 3:07	9.05	193.8	14.26	5.252	29.18	0
11/10/20 3:25	9.44	201.3	9.25	5.196	29.18	0
11/10/20 3:35	10.14	199	6.957	5.113	29.18	0
11/10/20 3:45	10.82	197.2	7.565	5.077	29.18	0
11/10/20 4:02	9.42	192.2	8.74	5.027	29.18	0
11/10/20 4:18	7.989	177.7	7.619	4.949	29.18	0
11/10/20 4:35	6.327	181	8.36	4.888	29.18	0
11/10/20 4:46	5.404	177.8	9.05	4.824	29.16	0
11/10/20 5:06	6.057	164.7	8.28	4.764	29.16	0
11/10/20 5:29	5.861	164.2	8.13	4.761	29.16	0
11/10/20 5:37	6.591	163.5	11.11	4.807	29.16	0
11/10/20 5:59	7.14	154.8	14.08	4.685	29.16	0
11/10/20 6:02	6.583	174.1	8.45	4.705	29.16	0
11/10/20 6:25	4.404	170.4	10.47	4.744	29.16	0
11/10/20 6:34	4.018	155.1	9.4	4.67	29.16	0
11/10/20 6:49	6.274	170.7	13.09	4.889	29.16	0
11/10/20 7:11	6.572	179.6	9.79	4.851	29.16	0
11/10/20 7:26	7.178	178.7	11.8	4.649	29.16	0.03
11/10/20 7:32	8.34	184.7	10.71	4.555	29.16	0.01
11/10/20 7:48	8.94	186.2	8.03	4.673	29.16	0
11/10/20 8:15	6.891	184.6	10.95	4.753	29.16	0
11/10/20 8:15	7.395	183.4	11.3	4.872	29.16	0
11/10/20 8:34	5.34	187.8	17.23	4.887	29.16	0
11/10/20 8:58	8.67	199.2	10.66	5.002	29.16	0
11/10/20 9:05	7.999	217.9	9.52	5.113	29.16	0
11/10/20 9:29	7.092	212.6	8.83	5.159	29.16	0
11/10/20 9:30	6.214	208.9	7.7	5.186	29.16	0
11/10/20 9:55	5.745	200.7	12.26	5.226	29.16	0
11/10/20 10:00	5.721	206.5	11.44	5.388	29.16	0
11/10/20 10:20	3.425	189.1	16.62	5.417	29.16	0
11/10/20 10:35	1.867	184.1	28.39	5.445	29.16	0
11/10/20 10:50	0.827	161.4	40.84	5.475	29.17	0.01
11/10/20 11:05	1.357	95.8	8.28	5.299	29.17	0
11/10/20 11:18	2.038	67.38	16.55	5.229	29.17	0.01
11/10/20 11:37	2.569	75.1	11.35	5.217	29.17	0
11/10/20 11:49	2.406	74.41	10.15	5.227	29.14	0.01
11/10/20 12:13	2.358	73.76	7.659	5.214	29.14	0
11/10/20 12:16	3.06	71.49	11.98	5.202	29.14	0.01
11/10/20 12:33	3.342	97.5	15.77	5.267	29.14	0
11/10/20 12:59	2.686	58.72	23.72	5.242	29.11	0
11/10/20 13:01	3.96	47.97	16.27	5.27	29.11	0.01
11/10/20 13:16	3.161	105.1	13.51	5.152	29.11	0
11/10/20 13:39	3.947	144	18.81	5.165	29.11	0.01
11/10/20 13:57	4.052	165.7	17.99	5.143	29.12	0
11/10/20 14:00	2.478	107.5	37.58	5.152	29.12	0.01
11/10/20 14:17	1.473	115.3	17.05	5.154	29.12	0.02
11/10/20 14:38	5.963	347.2	28.78	5.124	29.12	0.02
11/10/20 14:45	2.241	358.2	15.16	4.983	29.12	0.02
11/10/20 15:14	2.895	316.5	18.6	4.997	29.12	0
11/10/20 15:21	7.389	11.19	9.78	4.805	29.12	0.01
11/10/20 15:32	4.737	351.4	17.93	4.845	29.12	0
11/10/20 15:53	4.836	10.41	11.03	4.845	29.12	0
11/10/20 16:14	2.097	12.5	8.4	4.723	29.12	0
11/10/20 16:28	5.112	23.54	29.3	4.995	29.12	0
11/10/20 16:41	5.835	6.932	15.26	4.629	29.12	0
11/10/20 16:55	5.095	0.189	12.66	4.487	29.13	0
11/10/20 17:10	6.109	14.02	13.21	4.424	29.13	0
11/10/20 17:26	6.053	357.5	14.18	4.567	29.13	0
11/10/20 17:30	5.057	8.57	20.26	4.467	29.13	0
11/10/20 17:48	4.497	338.4	19.44	4.709	29.16	0
11/10/20 18:07	3.88	341.5	19.15	4.857	29.16	0
11/10/20 18:15	3.974	337.7	17.35	4.371	29.16	0
11/10/20 18:31	4.274	341.5	24.69	4.411	29.16	0
11/10/20 18:48	6.427	307.5	24.45	4.64	29.18	0
11/10/20 19:01	2.693	302.1	39.82	4.611	29.18	0
11/10/20 19:24	2.544	344.9	16.86	4.356	29.18	0
11/10/20 19:41	3.605	348.3	12.97	4.277	29.18	0
11/10/20 19:57	5.502	345	19.67	4.22	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
11/10/20 20:04	7.322	2.925	13.95	4.173	29.18	0
11/10/20 20:22	8.32	4.519	12.89	4.244	29.18	0
11/10/20 20:42	8.61	11.01	9.88	4.16	29.18	0
11/10/20 20:56	10.28	12.46	9.65	4.075	29.18	0
11/10/20 21:00	8.74	10.82	9.02	3.935	29.18	0
11/10/20 21:20	6.511	4.934	8.52	3.886	29.18	0
11/10/20 21:37	5.111	19	7.832	3.84	29.18	0
11/10/20 21:59	7.124	12.72	10.16	3.87	29.2	0
11/10/20 22:02	6.944	359.5	15.17	3.838	29.2	0
11/10/20 22:22	6.25	344.9	17.35	3.824	29.2	0
11/10/20 22:41	6.039	346	22.52	3.685	29.2	0
11/10/20 22:57	5.218	347.6	42.75	3.712	29.21	0
11/10/20 23:02	6.191	15.34	16.06	3.366	29.21	0
11/10/20 23:16	5.092	10.16	12.55	3.297	29.21	0
11/10/20 23:44	2.707	15.52	11.7	3.01	29.21	0
11/10/20 23:56	4.811	357	12.69	2.989	29.23	0
11/11/20 0:01	4.748	350.9	9.5	3.071	29.23	0
11/11/20 0:19	4.188	346.4	15.08	2.984	29.23	0
11/11/20 0:43	3.541	332	9.1	2.593	29.23	0
11/11/20 0:59	3.03	3.673	13.23	1.923	29.26	0
11/11/20 1:01	3.219	352.6	15.73	1.304	29.26	0
11/11/20 1:20	3.109	336.8	17.33	1.305	29.26	0
11/11/20 1:30	1.181	13.76	22.2	1.344	29.26	0
11/11/20 1:59	1.909	80.5	6.274	1.305	29.28	0
11/11/20 2:01	3.019	64.97	4.007	1.412	29.28	0
11/11/20 2:23	1.062	78.69	7.519	1.411	29.28	0
11/11/20 2:43	2.488	79.76	17.74	1.388	29.28	0
11/11/20 3:00	3.781	164.9	14.63	0.951	29.26	0
11/11/20 3:07	5.287	162.4	9.39	0.909	29.26	0
11/11/20 3:15	3.195	152.7	10.51	1.183	29.26	0
11/11/20 3:38	0.989	176	27.18	0.921	29.26	0
11/11/20 3:54	0.516	333.7	31.55	1.007	29.28	0
11/11/20 4:03	0.873	63.35	41.24	1.092	29.28	0
11/11/20 4:29	0.799	9.7	21.35	1.438	29.28	0
11/11/20 4:30	1.396	15.85	7.892	1.452	29.28	0
11/11/20 4:45	0.937	328.6	12.06	1.734	29.3	0
11/11/20 5:11	1.207	339.7	3.696	2.117	29.3	0
11/11/20 5:20	1.925	356	19.52	1.555	29.3	0
11/11/20 5:33	2.303	5.867	6.024	1.746	29.3	0
11/11/20 5:59	1.852	12.58	7.4	1.94	29.29	0
11/11/20 6:00	2.056	32.14	12.88	1.995	29.29	0
11/11/20 6:23	1.99	31.65	6.619	2.023	29.29	0
11/11/20 6:30	1.808	37.71	9.43	2.196	29.29	0
11/11/20 6:55	2.128	26.9	2.795	2.278	29.3	0
11/11/20 7:13	2.033	27.91	5.064	2.024	29.3	0
11/11/20 7:25	2.573	24.51	3.516	2.171	29.3	0
11/11/20 7:30	1.548	36.22	7.209	2	29.3	0
11/11/20 8:00	2.376	33.58	7.519	1.894	29.33	0
11/11/20 8:00	2.401	29.2	11.06	1.908	29.33	0
11/11/20 8:17	2.633	17.24	10.74	1.967	29.33	0
11/11/20 8:33	1.903	27.14	23.85	1.942	29.33	0
11/11/20 8:59	0.545	47.98	12.8	2.084	29.34	0
11/11/20 9:04	2.365	46.97	8.3	2.559	29.34	0
11/11/20 9:20	1.721	36.06	7.922	2.957	29.34	0
11/11/20 9:35	1.513	8.66	19.29	3.151	29.34	0
11/11/20 9:48	1.14	38.29	5.206	3.638	29.35	0
11/11/20 10:04	0.972	22.45	10.78	3.949	29.35	0
11/11/20 10:16	1.693	165.2	42.35	4.153	29.35	0
11/11/20 10:35	2.346	233.9	35.7	4.168	29.35	0
11/11/20 10:56	2.644	235.6	16.02	4.11	29.37	0
11/11/20 11:00	1.399	237.8	18	4.308	29.37	0
11/11/20 11:22	0.923	51.83	31.02	4.736	29.37	0
11/11/20 11:37	0.367	308.7	62.91	4.767	29.37	0
11/11/20 11:54	0.78	182.6	49.58	5.137	29.34	0
11/11/20 12:01	0.938	184.4	60.92	5.207	29.34	0
11/11/20 12:22	2.233	79.99	16.03	5.075	29.34	0
11/11/20 12:44	1.288	133.7	35.63	5.404	29.34	0
11/11/20 12:45	0.862	180.4	41.56	5.575	29.36	0
11/11/20 13:04	2.268	188.1	11.93	5.563	29.36	0
11/11/20 13:15	1.341	232.4	17.03	5.614	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
11/11/20 13:44	2.134	124.6	54.54	6.147	29.36	0
11/11/20 13:49	2.824	64.9	32.67	5.92	29.34	0
11/11/20 14:06	1.608	110.9	24.78	6.578	29.34	0
11/11/20 14:27	2.446	89.9	25.37	6.474	29.34	0
11/11/20 14:35	3.173	54.24	19.16	6.198	29.34	0
11/11/20 14:45	1.018	56.15	6.173	6.183	29.35	0
11/11/20 15:10	1.909	123.8	13.9	6.322	29.35	0
11/11/20 15:25	3.163	207.8	9.36	6.12	29.35	0
11/11/20 15:31	2.402	197.9	22.98	6.081	29.35	0
11/11/20 15:59	2.231	24.78	17.25	5.749	29.35	0
11/11/20 16:10	3.504	22.95	7.493	5.458	29.35	0
11/11/20 16:25	3.928	22.5	10.04	5.262	29.35	0
11/11/20 16:34	4.52	21.55	7.726	5.068	29.35	0
11/11/20 16:45	3.816	15.43	10.82	4.943	29.35	0
11/11/20 17:14	2.552	34.66	9.85	4.874	29.35	0
11/11/20 17:15	2.483	48.85	8.28	4.812	29.35	0
11/11/20 17:30	1.994	60.95	10.27	4.783	29.35	0
11/11/20 17:46	1.678	39.77	5.424	4.875	29.36	0
11/11/20 18:14	1.27	196	42.37	4.743	29.36	0
11/11/20 18:15	1.941	69.33	32.28	4.394	29.36	0
11/11/20 18:30	1.178	35.04	2.653	4.085	29.36	0
11/11/20 18:52	1.085	176.6	39.85	4.124	29.35	0
11/11/20 19:12	3.207	199.9	5.696	4.176	29.35	0
11/11/20 19:15	1.811	161.3	44.02	3.866	29.35	0
11/11/20 19:41	1.213	80.7	7.205	3.529	29.35	0
11/11/20 19:45	1.703	73.4	6.431	3.331	29.34	0
11/11/20 20:13	1.861	100.2	24.93	3.241	29.34	0
11/11/20 20:15	2.121	138.2	7.734	3.618	29.34	0
11/11/20 20:40	2.581	145.7	20.28	3.693	29.34	0
11/11/20 20:52	2.671	131	11.43	3.898	29.33	0
11/11/20 21:08	3.423	116.5	10.58	3.609	29.33	0
11/11/20 21:20	4.23	111.9	4.596	3.016	29.33	0
11/11/20 21:36	3.226	113.2	4.67	3.332	29.33	0
11/11/20 21:46	2.001	108.5	7.215	3.87	29.34	0
11/11/20 22:14	1.29	79.41	16.9	3.867	29.34	0
11/11/20 22:15	1.714	91.6	10.41	4.028	29.34	0
11/11/20 22:37	0.72	88.5	3.826	3.947	29.34	0
11/11/20 22:51	1.371	96	11.17	3.819	29.33	0
11/11/20 23:14	1.628	143.8	13.21	3.768	29.33	0
11/11/20 23:19	2.614	147.8	14.83	3.777	29.33	0
11/11/20 23:38	2.75	124.9	3.616	3.799	29.33	0
11/11/20 23:47	2.9	94.8	10.35	3.709	29.32	0
11/12/20 0:09	2.929	129.6	9.32	3.646	29.32	0
11/12/20 0:28	3.494	156	4.326	3.864	29.32	0
11/12/20 0:44	2.988	152.2	9.55	3.786	29.32	0
11/12/20 0:52	5.089	136.4	12.44	3.875	29.3	0
11/12/20 1:00	3.75	111.6	8.68	3.768	29.3	0
11/12/20 1:28	4.131	141.5	21.09	3.434	29.3	0
11/12/20 1:33	5.584	140.4	8.37	3.7	29.3	0
11/12/20 1:57	5.828	141.6	13.59	3.793	29.27	0
11/12/20 2:12	5.244	129	6.221	3.724	29.27	0
11/12/20 2:22	4.66	135.5	6.674	3.54	29.27	0
11/12/20 2:30	4.598	147	7.855	3.799	29.27	0
11/12/20 2:46	4.654	141.8	5.682	3.735	29.26	0
11/12/20 3:03	4.774	139.7	8.84	3.769	29.26	0
11/12/20 3:29	4.886	142.4	7.826	3.881	29.26	0
11/12/20 3:37	5.499	125.8	6.714	4.164	29.26	0
11/12/20 3:45	5.217	138.2	12.71	4.019	29.25	0
11/12/20 4:04	5.182	152.9	9.9	3.977	29.25	0
11/12/20 4:26	5.131	137.3	7.799	4.056	29.25	0
11/12/20 4:32	5.086	137.7	9.22	4.154	29.25	0
11/12/20 4:47	4.129	157.5	31.4	4.172	29.24	0
11/12/20 5:06	4.496	146	12.8	4.294	29.24	0
11/12/20 5:29	4.394	172.3	14.13	4.107	29.24	0
11/12/20 5:33	4.988	151.1	11.77	4.023	29.24	0
11/12/20 5:52	4.539	136.8	9.23	3.852	29.22	0
11/12/20 6:11	5.557	127.7	10	3.943	29.22	0
11/12/20 6:19	6.024	124.6	14.54	4.266	29.22	0
11/12/20 6:43	5.55	154.2	8.59	4.46	29.22	0
11/12/20 6:49	5.837	144.5	9.17	4.317	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
11/12/20 7:00	5.23	118.4	9.4	4.261	29.2	0
11/12/20 7:23	6.054	130.7	10.53	4.367	29.2	0
11/12/20 7:44	5.892	142	9.54	4.524	29.2	0
11/12/20 7:52	5.862	129.1	10.55	4.666	29.2	0
11/12/20 8:03	5.778	140	12.63	4.816	29.2	0
11/12/20 8:15	5.542	137.5	12.33	4.995	29.2	0
11/12/20 8:40	5.851	143.7	12.58	5.29	29.2	0
11/12/20 8:47	5.663	145.4	12.79	5.596	29.2	0
11/12/20 9:07	5.558	146.6	13.06	5.974	29.2	0
11/12/20 9:28	6.635	146.3	11.29	5.819	29.2	0
11/12/20 9:30	6.41	139.9	11.7	6.179	29.2	0
11/12/20 9:47	6.426	135.3	13.27	6.624	29.16	0
11/12/20 10:06	6.705	137	14	7.043	29.16	0
11/12/20 10:29	6.785	136.1	10.87	6.953	29.16	0
11/12/20 10:39	7.76	126	11.13	7.049	29.16	0
11/12/20 10:52	7.077	131.9	14.83	7.172	29.17	0
11/12/20 11:13	6.625	157.8	11.62	7.057	29.17	0
11/12/20 11:23	7.024	156.7	9.33	7.182	29.17	0
11/12/20 11:34	5.708	156.3	10.22	7.266	29.17	0
11/12/20 11:49	5.628	150	10.33	7.418	29.16	0
11/12/20 12:13	6.02	138.6	13.88	7.577	29.16	0
11/12/20 12:18	7.652	127.4	9.52	7.649	29.16	0
11/12/20 12:41	8.78	124.3	11.35	7.914	29.16	0
11/12/20 12:52	8.48	132.8	11.22	7.852	29.12	0
11/12/20 13:01	8.93	137.1	11.06	7.883	29.12	0
11/12/20 13:27	9.26	132.3	10.79	7.736	29.12	0
11/12/20 13:40	9.68	124.8	9.58	7.631	29.12	0
11/12/20 13:54	10.59	123.6	10.07	7.756	29.08	0
11/12/20 14:01	8.59	129.9	8.87	7.893	29.08	0
11/12/20 14:25	8.65	128.4	9.1	7.98	29.08	0
11/12/20 14:41	9.66	130.5	10.45	8.27	29.08	0
11/12/20 14:46	9.65	133.1	10.07	8.07	29.05	0
11/12/20 15:09	8.68	137.3	8.95	7.881	29.05	0
11/12/20 15:22	8.19	135.5	9.37	7.699	29.05	0
11/12/20 15:34	8.81	130.3	11.17	7.591	29.05	0
11/12/20 15:56	8.82	143	7.338	7.359	29.02	0
11/12/20 16:04	9.18	162.2	14.81	7.141	29.02	0
11/12/20 16:22	10.91	173.3	11.39	7.083	29.02	0
11/12/20 16:30	9.65	159.3	11.57	6.793	29.02	0
11/12/20 16:45	6.231	155.2	19.12	6.507	29.02	0.01
11/12/20 17:12	7.023	140.3	9.67	6.086	29.02	0
11/12/20 17:27	8.78	132.7	7.62	5.915	29.02	0.01
11/12/20 17:35	11.13	131.2	9.26	5.79	29.02	0
11/12/20 17:50	11.96	122.9	8.87	5.753	28.95	0.01
11/12/20 18:11	13.6	127.4	8.06	6.016	28.95	0
11/12/20 18:26	14.87	125	9.45	5.853	28.95	0
11/12/20 18:30	14.98	125.4	8.5	5.698	28.95	0
11/12/20 18:55	12.93	129.2	8.45	5.647	28.94	0.02
11/12/20 19:03	12.79	129.2	8.88	5.514	28.94	0.02
11/12/20 19:17	14.26	126.9	10.22	5.49	28.94	0.02
11/12/20 19:36	13.1	133.9	9.75	5.357	28.94	0.02
11/12/20 19:49	12.82	134.5	9.91	5.201	28.92	0.02
11/12/20 20:00	11.51	139	9.89	4.988	28.92	0.02
11/12/20 20:19	11.67	140.2	10.39	4.813	28.92	0.03
11/12/20 20:44	12.33	132.1	10.22	4.848	28.92	0.02
11/12/20 20:46	13.33	128.6	9.47	4.968	28.88	0.03
11/12/20 21:12	13.74	128.3	9.06	5.012	28.88	0.02
11/12/20 21:19	13.18	127	8.68	4.98	28.88	0.01
11/12/20 21:30	12.99	127.5	9.53	4.962	28.88	0.02
11/12/20 21:57	12.92	126	9.27	5.103	28.83	0.01
11/12/20 22:03	12.75	128.7	8.25	5.273	28.83	0.01
11/12/20 22:26	13.47	126.9	8.85	5.123	28.83	0.01
11/12/20 22:38	13.78	127.1	8.98	5.119	28.83	0.01
11/12/20 22:52	12.83	129.1	8.43	5.176	28.8	0
11/12/20 23:04	12.27	129.3	8.41	5.288	28.8	0.01
11/12/20 23:17	12.48	131	8.45	5.487	28.8	0.01
11/12/20 23:31	12.24	129	8.88	5.535	28.8	0
11/12/20 23:47	11.45	126.8	7.769	5.756	28.75	0.02
11/13/20 0:03	11.29	130.1	9.21	5.975	28.75	0
11/13/20 0:26	13.45	128.5	9.26	5.72	28.75	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
11/13/20 0:40	12.83	128.7	9.96	5.67	28.75	0.01
11/13/20 0:58	13.1	134.3	10.59	5.664	28.66	0
11/13/20 1:03	14.73	125.8	8.88	5.705	28.66	0.02
11/13/20 1:23	14.03	131.2	9.06	5.771	28.66	0.01
11/13/20 1:35	12.8	127.9	9.02	5.861	28.66	0.01
11/13/20 1:56	14.04	129.1	9.14	5.818	28.59	0.02
11/13/20 2:14	15.46	128.7	8.7	5.741	28.59	0.01
11/13/20 2:28	14.62	129.5	9.7	5.51	28.59	0.03
11/13/20 2:31	15.17	126.2	8.87	5.606	28.59	0.03
11/13/20 2:49	14	126.9	9.37	5.707	28.54	0.02
11/13/20 3:13	14.18	126.5	8.44	5.727	28.54	0.01
11/13/20 3:28	14.43	133.6	9.58	5.869	28.54	0.01
11/13/20 3:31	13.33	138.5	8.74	6.076	28.54	0.02
11/13/20 3:53	14.35	141.5	9.6	6.381	28.49	0.02
11/13/20 4:02	13.56	142.7	9.51	6.44	28.49	0.02
11/13/20 4:18	14.54	150.3	8.08	6.726	28.49	0.02
11/13/20 4:34	13.04	151.8	7.74	6.929	28.49	0.01
11/13/20 4:45	7.682	141.1	11.24	6.887	28.43	0.01
11/13/20 5:06	6.206	137.6	11.03	6.701	28.43	0
11/13/20 5:20	6.322	140.4	8.29	6.696	28.43	0.01
11/13/20 5:41	9.26	172.5	20.73	7.273	28.43	0.03
11/13/20 5:51	12.02	190.5	10.27	7.179	28.45	0.01
11/13/20 6:00	14.48	193.6	8.81	7.167	28.45	0.03
11/13/20 6:20	12.58	170.1	15.48	6.899	28.45	0.02
11/13/20 6:43	11.23	161.7	10.93	6.687	28.45	0
11/13/20 6:48	10.12	158.4	9.8	6.63	28.41	0
11/13/20 7:07	7.195	138.1	8.92	6.465	28.41	0
11/13/20 7:28	7.793	134.3	10.32	6.703	28.41	0
11/13/20 7:39	9.84	144.1	11.2	6.805	28.41	0
11/13/20 7:50	12.46	153.2	8.95	6.878	28.43	0
11/13/20 8:06	13.25	154.5	8.67	6.803	28.43	0
11/13/20 8:23	12.15	170.5	13.71	7.033	28.43	0
11/13/20 8:43	14.29	175.8	10.59	7.413	28.43	0
11/13/20 8:56	15.89	193.2	11.76	7.656	28.44	0
11/13/20 9:00	18.88	202.4	10.07	8.08	28.44	0
11/13/20 9:21	21.65	190.9	9.26	7.885	28.44	0
11/13/20 9:42	19.04	186.1	9.11	8.03	28.44	0
11/13/20 9:50	20.99	199.2	9.52	8.28	28.46	0
11/13/20 10:05	22.1	205.3	9.18	8.51	28.46	0
11/13/20 10:16	20.93	211.3	8.57	8.51	28.46	0
11/13/20 10:42	22.18	213.4	8.64	8.43	28.46	0
11/13/20 10:50	22.74	211.5	9.65	8.64	28.5	0
11/13/20 11:02	20.49	217.5	9.63	8.59	28.5	0
11/13/20 11:27	19.23	216.3	9.78	8.37	28.5	0
11/13/20 11:30	17.43	218.3	10.47	8.18	28.5	0
11/13/20 11:50	13.72	209.1	13.38	7.929	28.56	0
11/13/20 12:00	12.83	201.2	16.18	7.887	28.56	0
11/13/20 12:24	15.7	216.4	10.86	8.21	28.56	0
11/13/20 12:32	16.51	218.2	12.16	8.84	28.56	0
11/13/20 12:49	18.59	219.7	10.18	8.67	28.6	0
11/13/20 13:13	19.58	227.4	10.22	8.58	28.6	0
11/13/20 13:21	19.91	226.8	11.17	8.87	28.6	0
11/13/20 13:36	19.97	223.9	11.38	9.11	28.6	0
11/13/20 13:47	22.28	221	9.33	8.97	28.65	0
11/13/20 14:03	19.68	216.4	10.36	8.74	28.65	0
11/13/20 14:29	18.3	223.1	12.02	8.63	28.65	0
11/13/20 14:30	20.75	227.8	10.7	8.7	28.65	0
11/13/20 14:45	22.38	228.6	9	8.55	28.69	0
11/13/20 15:14	17.84	225.5	9.27	8.56	28.69	0
11/13/20 15:28	18.28	221.8	8.93	8.37	28.69	0
11/13/20 15:30	15.94	221.1	11.89	8.49	28.69	0
11/13/20 15:52	14.03	229	10.18	8.31	28.75	0
11/13/20 16:13	14.86	227.3	9.98	8.11	28.75	0
11/13/20 16:16	16.58	228.4	9.54	7.725	28.75	0
11/13/20 16:41	13.47	222.1	12.98	7.506	28.75	0
11/13/20 16:46	14.72	231.7	10.01	7.328	28.8	0
11/13/20 17:00	12.43	224.9	9.78	7.082	28.8	0
11/13/20 17:17	11.85	223.5	11.08	6.825	28.8	0
11/13/20 17:30	8.82	222.9	18.92	6.643	28.8	0
11/13/20 17:54	7.654	202	16.86	6.566	28.81	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/13/20 18:14	9.41	211.7	13.92	6.441	28.81	0
11/13/20 18:17	11.95	216.3	11.08	6.312	28.81	0
11/13/20 18:38	13	215	10.61	6.152	28.81	0
11/13/20 18:46	13.81	217.5	11.68	6.004	28.87	0
11/13/20 19:01	14.99	219	11.88	5.97	28.87	0
11/13/20 19:20	14.8	215.8	8.54	5.848	28.87	0
11/13/20 19:41	15.31	217	9.99	5.841	28.87	0
11/13/20 19:49	16.76	216.2	7.611	5.603	28.9	0
11/13/20 20:02	12.66	210.9	11.78	5.4	28.9	0
11/13/20 20:29	10.89	209.1	11.42	5.319	28.9	0
11/13/20 20:30	9.34	202	11.19	5.166	28.9	0
11/13/20 20:53	8.38	194.1	9.59	5.06	28.96	0
11/13/20 21:12	10.36	188.3	10.51	4.939	28.96	0
11/13/20 21:18	11.76	189.6	9.87	4.875	28.96	0
11/13/20 21:39	9.72	189.4	11.33	4.843	28.96	0
11/13/20 21:56	8.26	181	17.27	4.889	28.97	0
11/13/20 22:00	6.728	168.6	17.57	4.868	28.97	0
11/13/20 22:22	5.974	159.8	25.71	4.866	28.97	0
11/13/20 22:43	5.045	158.7	24.47	4.819	28.97	0
11/13/20 22:55	5.913	181	21.91	4.837	29.02	0
11/13/20 23:09	6.194	178.8	12.26	4.818	29.02	0
11/13/20 23:29	6.5	185.2	13.19	4.74	29.02	0
11/13/20 23:36	7.465	188.2	17.15	4.648	29.02	0
11/13/20 23:46	9.67	195.1	11.85	4.581	29.07	0
11/14/20 0:13	7.504	181.4	14.97	4.584	29.07	0
11/14/20 0:29	10.01	195.5	10.36	4.686	29.07	0
11/14/20 0:33	8.64	198.5	9.62	4.788	29.07	0
11/14/20 0:53	9.83	193.3	11.96	4.911	29.08	0
11/14/20 1:03	8.39	195.2	12.9	4.98	29.08	0
11/14/20 1:29	8.58	192.4	12.55	4.915	29.08	0
11/14/20 1:30	8.41	188.6	14.02	4.832	29.08	0
11/14/20 1:52	8.39	193.4	15.86	4.735	29.09	0
11/14/20 2:14	7.256	182.7	19.5	4.793	29.09	0
11/14/20 2:17	8.67	183.1	23.96	4.793	29.09	0
11/14/20 2:38	7.378	168.4	26.04	4.815	29.09	0
11/14/20 2:59	8.48	183.9	12.9	4.844	29.14	0
11/14/20 3:07	8.34	187.1	16.61	4.807	29.14	0
11/14/20 3:16	9.44	195.7	11.01	4.764	29.14	0
11/14/20 3:38	7.554	187.5	15.7	4.758	29.14	0
11/14/20 3:48	8.87	192.1	11.47	4.772	29.15	0
11/14/20 4:12	10.42	196.3	14.31	4.799	29.15	0
11/14/20 4:17	8.76	193.1	10.8	4.797	29.15	0
11/14/20 4:39	9.7	199	9.95	4.796	29.15	0
11/14/20 4:53	9.6	193.4	9.93	4.768	29.16	0
11/14/20 5:01	9.08	193.8	10.62	4.756	29.16	0
11/14/20 5:29	9	186.1	9.44	4.726	29.16	0
11/14/20 5:30	8.49	180.6	10.87	4.748	29.16	0
11/14/20 5:46	7.152	162.1	17.72	4.721	29.2	0
11/14/20 6:14	8.15	171.5	12.76	4.75	29.2	0
11/14/20 6:19	11.86	182.8	7.461	4.738	29.2	0
11/14/20 6:31	9.71	181.1	8.91	4.691	29.2	0
11/14/20 6:48	8.66	171.2	13.1	4.714	29.24	0
11/14/20 7:09	7.595	164	14.86	4.632	29.24	0
11/14/20 7:19	7.335	165.3	13.11	4.738	29.24	0
11/14/20 7:38	5.781	142.5	11.6	4.842	29.24	0
11/14/20 7:55	6.655	138	12.56	5.026	29.25	0
11/14/20 8:01	7.407	142.8	11.98	5.107	29.25	0
11/14/20 8:22	6.476	133.5	13.96	5.195	29.25	0
11/14/20 8:36	6.625	143.7	11.62	5.368	29.25	0
11/14/20 8:50	6.053	136.4	9.44	5.575	29.25	0
11/14/20 9:01	5.79	137.2	9.48	5.831	29.25	0
11/14/20 9:28	6.975	141.8	10.14	6.165	29.25	0
11/14/20 9:35	8.44	151.6	8.73	6.597	29.25	0
11/14/20 9:48	9.05	158.3	8.28	6.774	29.28	0
11/14/20 10:00	9.03	156.1	9.23	7.005	29.28	0
11/14/20 10:20	8.82	163.9	10.16	7.261	29.28	0
11/14/20 10:31	8.86	163	12.46	7.525	29.28	0
11/14/20 10:48	8.55	157.8	11.19	7.582	29.26	0
11/14/20 11:01	8.93	167.4	12.19	7.746	29.26	0
11/14/20 11:18	8.49	165.6	11.47	7.897	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
11/14/20 11:36	7.927	166.2	12.01	8.04	29.26	0
11/14/20 11:57	7.331	157.5	9.71	8.09	29.22	0
11/14/20 12:02	7.024	151.6	10.47	8.04	29.22	0
11/14/20 12:15	4.922	139.4	6.691	8.01	29.22	0
11/14/20 12:33	4.915	142.5	11.62	7.99	29.22	0
11/14/20 12:47	4.533	140.8	10.87	7.978	29.18	0
11/14/20 13:14	5.009	140.6	7.276	7.901	29.18	0
11/14/20 13:28	5.071	142.4	12.69	7.895	29.18	0
11/14/20 13:41	7.086	147.1	13.73	7.893	29.18	0
11/14/20 13:51	7.222	153.9	8.75	7.794	29.15	0
11/14/20 14:06	5.309	152.5	15.37	7.667	29.15	0
11/14/20 14:19	5.469	134.6	9.4	7.628	29.15	0
11/14/20 14:31	4.827	125.9	13.37	7.544	29.15	0
11/14/20 14:56	6.782	124.3	12.26	7.105	29.12	0.01
11/14/20 15:12	9.01	115.2	12.89	6.38	29.12	0.01
11/14/20 15:18	9.8	121.7	10.95	5.517	29.12	0
11/14/20 15:40	9.32	122.1	11.7	5.236	29.12	0.01
11/14/20 16:00	8.44	119.1	10.99	5.035	29.05	0.01
11/14/20 16:14	9.93	120.1	10.68	4.936	29.05	0.01
11/14/20 16:21	10.62	119.4	11.22	4.707	29.05	0.02
11/14/20 16:44	13.21	126	9.57	4.653	29.05	0.01
11/14/20 16:56	15.71	126.7	8.84	4.716	28.99	0.01
11/14/20 17:14	14.88	121.1	9.75	4.773	28.99	0.02
11/14/20 17:22	15.89	123.9	9.36	4.951	28.99	0.02
11/14/20 17:44	14.72	122.5	9.93	5.068	28.99	0.02
11/14/20 17:54	15.85	132.1	12.32	5.234	28.94	0.02
11/14/20 18:13	15.14	132.3	8.77	5.014	28.94	0.05
11/14/20 18:25	15.57	125.6	10.84	4.928	28.94	0.03
11/14/20 18:43	14.81	116.1	12.22	4.972	28.94	0.03
11/14/20 18:56	19.46	125.2	9.26	5.104	28.89	0.02
11/14/20 19:07	20.04	123.9	9.58	5.142	28.89	0.01
11/14/20 19:16	19.82	129.1	9.83	5.03	28.89	0.01
11/14/20 19:32	16.58	125.7	11.04	4.943	28.89	0
11/14/20 19:45	15.18	124.4	10.46	5.047	28.86	0.01
11/14/20 20:09	14.44	128.4	10.78	5.216	28.86	0
11/14/20 20:20	12.86	136.5	11.23	5.114	28.86	0.01
11/14/20 20:40	12.64	134.6	12.19	5.233	28.86	0
11/14/20 20:45	11.8	133.6	11.84	5.362	28.88	0
11/14/20 21:08	11.14	136.4	12.33	5.33	28.88	0.01
11/14/20 21:23	11.66	132	11.05	5.327	28.88	0.01
11/14/20 21:41	13.19	125.7	9.87	5.36	28.88	0.01
11/14/20 21:56	14.74	125.2	10.58	5.522	28.91	0
11/14/20 22:01	15.1	122.1	9.71	5.684	28.91	0.01
11/14/20 22:24	14.57	124	9.59	6.112	28.91	0
11/14/20 22:37	14.95	127.5	8.76	6.594	28.91	0
11/14/20 22:50	13.38	136.3	10.34	6.689	28.9	0
11/14/20 23:08	12.64	132.5	8.14	6.79	28.9	0
11/14/20 23:17	11.93	135.5	9.99	6.946	28.9	0
11/14/20 23:36	12.06	145	7.698	6.992	28.9	0
11/14/20 23:49	9.74	154.3	11.41	6.898	28.93	0
11/15/20 0:01	9.41	141.1	9.98	6.726	28.93	0
11/15/20 0:25	9.93	140.7	8.3	6.976	28.93	0.01
11/15/20 0:39	10.43	146.7	8.45	7.161	28.93	0
11/15/20 0:52	9.24	158.9	11.33	7.011	28.92	0
11/15/20 1:08	10.14	174.9	9.14	7.228	28.92	0.01
11/15/20 1:28	10.29	183.1	8.61	7.554	28.92	0.01
11/15/20 1:41	12.19	186.4	9.23	7.633	28.92	0.02
11/15/20 1:56	11.86	183.9	9.81	7.633	28.97	0
11/15/20 2:13	12.78	182.2	10.1	7.766	28.97	0.01
11/15/20 2:18	13.79	175	8.96	7.782	28.97	0
11/15/20 2:38	12.5	174.1	8.05	7.698	28.97	0
11/15/20 2:53	11.47	178.7	7.785	7.567	28.97	0
11/15/20 3:10	14.03	182.9	8.26	7.714	28.97	0
11/15/20 3:15	14.86	189.3	9.96	7.848	28.97	0
11/15/20 3:30	15.51	193.5	7.739	7.731	28.97	0
11/15/20 3:58	13.92	189.6	9.93	7.659	28.97	0
11/15/20 4:01	11.96	176.4	8.89	7.568	28.97	0
11/15/20 4:29	11.02	173.7	9.91	7.614	28.97	0
11/15/20 4:41	11.78	179.6	9.21	7.673	28.97	0
11/15/20 4:56	12.93	205.6	11.33	7.745	29.02	0.03

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/15/20 5:04	12.65	196.2	12.34	7.798	29.02	0
11/15/20 5:24	16.57	192.4	8.87	7.933	29.02	0
11/15/20 5:30	14.92	197.1	8.67	7.867	29.02	0
11/15/20 5:51	11.01	183.8	13.56	7.715	29.05	0
11/15/20 6:00	9.21	169.7	10.87	7.616	29.05	0
11/15/20 6:25	9.93	165.8	10.13	7.521	29.05	0
11/15/20 6:37	11.74	181.8	19.7	7.454	29.05	0
11/15/20 6:51	10.04	195.9	12.27	7.554	29.06	0.01
11/15/20 7:14	8.97	181.4	10.54	7.762	29.06	0
11/15/20 7:26	12.85	178	9.95	7.855	29.06	0
11/15/20 7:41	14.86	192	11.7	7.925	29.06	0
11/15/20 7:45	11.33	205	11.66	7.936	29.1	0
11/15/20 8:13	8.9	184.5	10.71	7.787	29.1	0
11/15/20 8:21	9.79	171	9.97	7.784	29.1	0
11/15/20 8:33	9.76	189.2	10.15	7.821	29.1	0
11/15/20 8:53	11.51	181.3	10.82	7.777	29.14	0
11/15/20 9:06	12.59	181.7	10.23	7.745	29.14	0
11/15/20 9:26	13.09	180.6	10.61	7.736	29.14	0
11/15/20 9:42	13.04	177.9	9.32	7.749	29.14	0
11/15/20 9:47	11.45	174.9	9.89	7.755	29.17	0
11/15/20 10:07	11.32	174.7	9.02	7.948	29.17	0
11/15/20 10:16	11.49	159.8	10.3	7.934	29.17	0
11/15/20 10:30	10.7	176	9.73	7.911	29.17	0
11/15/20 10:48	9.84	168.9	9.44	7.998	29.19	0
11/15/20 11:04	8.61	175.8	8.61	8.12	29.19	0
11/15/20 11:20	10	174.6	7.918	8.4	29.19	0
11/15/20 11:36	9.07	180.7	8.48	8.76	29.19	0
11/15/20 11:48	10.81	165.2	14.13	8.6	29.19	0
11/15/20 12:12	9.33	163	11.05	8.32	29.19	0
11/15/20 12:30	10.22	156.2	8.45	8.22	29.19	0
11/15/20 12:32	7.98	161.7	18.85	8.31	29.19	0
11/15/20 12:59	8.56	178.6	13.23	8.91	29.2	0
11/15/20 13:14	12.33	176.4	9.42	9.15	29.2	0
11/15/20 13:17	14.24	174.5	9.61	9.05	29.2	0
11/15/20 13:30	13.59	177.1	8.52	9.01	29.2	0
11/15/20 13:47	12.38	181	8.41	9.14	29.22	0
11/15/20 14:07	13.04	177.2	8.45	8.78	29.22	0
11/15/20 14:15	8.07	179.1	8.81	8.29	29.22	0.02
11/15/20 14:31	3.968	159.3	59.04	8.19	29.22	0.04
11/15/20 14:59	7.934	243.7	48.55	7.54	29.23	0.12
11/15/20 15:14	8.83	204.5	10.26	7.656	29.23	0.02
11/15/20 15:25	9.14	204.1	10.65	7.942	29.23	0
11/15/20 15:44	8.12	171.9	16.86	7.728	29.23	0
11/15/20 15:56	10.06	176	7.336	7.425	29.23	0
11/15/20 16:07	11.57	173.3	6.881	7.606	29.23	0
11/15/20 16:22	11.55	173.8	6.355	7.706	29.23	0
11/15/20 16:32	10.3	171.5	6.101	7.601	29.23	0
11/15/20 16:54	11.2	168.9	8.53	7.773	29.24	0
11/15/20 17:04	11.14	173.3	7.362	7.932	29.24	0
11/15/20 17:23	10.55	163.3	7.413	7.78	29.24	0
11/15/20 17:41	10.93	157.6	7.023	7.574	29.24	0
11/15/20 17:48	7.811	153.3	10.34	7.338	29.27	0
11/15/20 18:05	4.224	143.4	20.35	7.163	29.27	0
11/15/20 18:28	4.715	140.6	19.75	7.083	29.27	0
11/15/20 18:38	8.34	163.3	13.31	7.464	29.27	0
11/15/20 18:56	9.82	166.3	11.36	7.587	29.27	0
11/15/20 19:03	10.39	159.9	10.72	7.367	29.27	0
11/15/20 19:27	8.87	167.5	10.99	7.203	29.27	0
11/15/20 19:34	8.53	150.5	8.49	7.122	29.27	0
11/15/20 19:52	5.629	133.5	12.11	7.012	29.29	0
11/15/20 20:13	5.334	135	11.21	7.088	29.29	0
11/15/20 20:19	5.646	130.9	16.73	6.987	29.29	0
11/15/20 20:38	6.954	142	9.99	7.202	29.29	0
11/15/20 20:46	6.637	122.6	10.05	7.183	29.31	0
11/15/20 21:12	7.59	136.2	8.82	7.243	29.31	0
11/15/20 21:19	9.55	145.9	10.31	7.294	29.31	0
11/15/20 21:33	7.137	151.2	14.58	7.366	29.31	0
11/15/20 21:46	5.111	125.4	12.49	7.284	29.29	0
11/15/20 22:14	5.003	138.9	8.4	7.181	29.29	0.01
11/15/20 22:29	6.49	139.2	9.77	7.109	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
11/15/20 22:30	6.587	147.9	9.52	7.012	29.29	0.01
11/15/20 22:45	4.869	133.8	13.59	6.839	29.33	0.01
11/15/20 23:10	5.665	134.2	12.22	6.695	29.33	0
11/15/20 23:18	4.666	130.3	11.97	6.582	29.33	0.01
11/15/20 23:31	3.503	126.6	25.32	6.511	29.33	0
11/15/20 23:59	2.912	95.4	10.48	6.431	29.32	0.01
11/16/20 0:00	4.652	97.9	13.58	6.41	29.32	0
11/16/20 0:18	4.256	90.7	11.35	6.379	29.32	0
11/16/20 0:40	1.743	115.4	39.12	6.41	29.32	0
11/16/20 0:49	1.563	147.5	51.21	6.596	29.3	0
11/16/20 1:08	2.444	1.406	17.48	6.498	29.3	0
11/16/20 1:28	1.967	19.95	6.316	6.342	29.3	0
11/16/20 1:36	3.925	21.52	7.706	6.326	29.3	0
11/16/20 1:59	3.12	26.53	9.73	6.348	29.31	0
11/16/20 2:00	3.43	28.91	8.43	6.321	29.31	0
11/16/20 2:23	2.611	45.14	10	6.31	29.31	0
11/16/20 2:30	1.959	78.75	15.34	6.306	29.31	0
11/16/20 2:51	1.636	40.23	17.07	6.347	29.28	0
11/16/20 3:14	0.776	79.96	24.41	6.363	29.28	0
11/16/20 3:17	1.725	112.2	16.26	6.344	29.28	0
11/16/20 3:36	0.174	99.9	2.742	6.377	29.28	0
11/16/20 3:59	0.661	25.71	13.73	6.575	29.27	0
11/16/20 4:13	1.966	48.17	13.02	6.357	29.27	0
11/16/20 4:21	1.573	37.3	9.49	6.312	29.27	0
11/16/20 4:38	1.994	31.84	7.569	6.5	29.27	0
11/16/20 4:58	2.32	99.2	23.38	6.698	29.24	0
11/16/20 5:01	3.146	83.1	27.24	6.817	29.24	0
11/16/20 5:29	1.786	49.32	13.44	6.587	29.24	0
11/16/20 5:41	3.934	33.75	14.11	6.418	29.24	0
11/16/20 5:58	3.232	34.38	14.2	6.304	29.25	0.01
11/16/20 6:14	3.624	33.31	8.21	6.242	29.25	0
11/16/20 6:18	4.715	36.14	8.13	6.156	29.25	0
11/16/20 6:31	3.869	50.42	8.87	6.175	29.25	0
11/16/20 6:59	5.114	31.05	13.24	6.197	29.19	0
11/16/20 7:02	5.078	42.09	12.25	6.163	29.19	0
11/16/20 7:18	3.75	20.24	12.29	6.131	29.19	0
11/16/20 7:40	3.22	19.13	11.35	6.011	29.19	0
11/16/20 7:57	4.132	39.33	10.51	6.126	29.21	0
11/16/20 8:00	3.891	18.83	9.54	6.18	29.21	0
11/16/20 8:16	4.038	15.2	8.93	6.376	29.21	0
11/16/20 8:36	3.283	11.85	10.47	6.717	29.21	0
11/16/20 8:53	1.882	335.5	47.17	6.734	29.18	0.01
11/16/20 9:04	2.787	42.41	11.45	6.681	29.18	0
11/16/20 9:29	3.352	67.1	20.85	6.93	29.18	0
11/16/20 9:40	4.985	57.78	18.71	8.31	29.18	0.01
11/16/20 9:53	4.504	64.16	19.73	8.25	29.16	0
11/16/20 10:01	3.85	37.56	14.82	7.342	29.16	0.01
11/16/20 10:25	4.253	14.36	8	6.993	29.16	0.01
11/16/20 10:41	4.725	28.16	8.56	6.936	29.16	0.01
11/16/20 10:46	5.517	18.14	13.48	6.767	29.12	0.01
11/16/20 11:04	4.556	14.46	13.36	7.011	29.12	0.01
11/16/20 11:18	4.672	12.55	9.78	7.104	29.12	0
11/16/20 11:39	5.225	22.76	10.01	7.01	29.12	0.01
11/16/20 11:47	4.868	44.11	14.73	6.841	29.05	0.01
11/16/20 12:02	3.21	39.57	10.69	6.927	29.05	0.02
11/16/20 12:15	1.62	357.2	47.52	7.143	29.05	0.02
11/16/20 12:43	3.268	104.7	49.22	7.465	29.05	0.02
11/16/20 12:46	4.612	39.06	30.68	7.256	29.01	0.01
11/16/20 13:12	2.944	207.9	95.2	7.433	29.01	0.02
11/16/20 13:15	2.241	162.6	67.88	8	29.01	0.04
11/16/20 13:36	3.213	105.5	39.37	8.04	29.01	0.02
11/16/20 13:59	3.907	6.155	39.77	7.691	28.99	0.03
11/16/20 14:04	5.997	70.14	20.54	7.487	28.99	0.01
11/16/20 14:30	4.205	68.26	29.42	7.29	28.99	0
11/16/20 14:40	8.51	128.3	14.58	8.18	28.99	0
11/16/20 14:55	11.4	141.3	12.02	8.86	28.96	0
11/16/20 15:09	10.13	169.8	14.52	8.87	28.96	0
11/16/20 15:16	9.4	188.9	13.06	8.57	28.96	0
11/16/20 15:35	9.39	175.2	11.36	8.52	28.96	0
11/16/20 15:52	10.08	166.1	11.12	8.74	28.93	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/16/20 16:03	9.01	157.4	10.35	8.82	28.93	0
11/16/20 16:28	10.2	153.1	11.18	9.09	28.93	0
11/16/20 16:44	11.71	143.4	9.51	9.33	28.93	0
11/16/20 16:54	12.48	140.4	11.15	9.67	28.9	0
11/16/20 17:00	13.41	136.3	10.3	9.93	28.9	0
11/16/20 17:24	13.03	142.6	11.52	10.09	28.9	0
11/16/20 17:39	14.31	136	12.91	10.37	28.9	0
11/16/20 17:59	14.1	133.4	14.91	10.51	28.89	0
11/16/20 18:01	13.75	133.5	14.32	10.63	28.89	0
11/16/20 18:16	12.52	130.7	12.72	10.82	28.89	0
11/16/20 18:44	10.72	128.6	13.94	10.89	28.89	0
11/16/20 18:58	9.07	108.1	20.44	10.75	28.88	0
11/16/20 19:09	10.6	117.9	14.07	10.86	28.88	0
11/16/20 19:29	13.53	124.5	10.88	11.97	28.88	0
11/16/20 19:39	16.31	127.1	9.91	12.6	28.88	0
11/16/20 19:51	16.35	124.7	10.38	12.75	28.83	0
11/16/20 20:09	17.73	125.7	9.08	12.57	28.83	0
11/16/20 20:20	16.73	123.9	9.66	12.62	28.83	0
11/16/20 20:30	14.04	124.8	10.28	12.55	28.83	0
11/16/20 20:46	14.91	123.7	10.72	12.63	28.81	0
11/16/20 21:09	15.32	128	10.13	12.9	28.81	0
11/16/20 21:24	16.14	125.7	10.25	12.78	28.81	0
11/16/20 21:32	15.45	129.4	10.69	13.09	28.81	0
11/16/20 21:51	14.87	127	10.86	13.57	28.8	0
11/16/20 22:07	15.19	125.5	10.07	13.65	28.8	0
11/16/20 22:18	16.04	125.3	11.25	13.58	28.8	0
11/16/20 22:37	14.25	122.1	11.73	13.56	28.8	0
11/16/20 22:55	14.41	124.5	10.32	13.85	28.77	0
11/16/20 23:11	13.94	125.8	11.33	14.1	28.77	0
11/16/20 23:23	11.26	120	13.15	13.86	28.77	0
11/16/20 23:38	11.1	121.3	13.35	13.91	28.77	0
11/16/20 23:53	13.24	122.3	12.47	14.15	28.73	0
11/17/20 0:11	14.39	122.1	11.1	14.33	28.73	0
11/17/20 0:23	15.73	125.1	10.72	14.39	28.73	0
11/17/20 0:31	13.07	123.2	10.42	14.23	28.73	0
11/17/20 0:49	12.63	123.4	11.29	14.37	28.7	0
11/17/20 1:05	11.43	123.4	12.9	14.44	28.7	0
11/17/20 1:21	11.94	122.8	13.2	14.27	28.7	0
11/17/20 1:31	13.16	122	11.99	14.45	28.7	0
11/17/20 1:57	14.22	128.9	10.77	14.62	28.65	0
11/17/20 2:02	15.14	129.1	10.44	14.57	28.65	0
11/17/20 2:19	13.39	128.8	10.53	14.74	28.65	0
11/17/20 2:39	8.32	118.4	14.89	14.6	28.65	0
11/17/20 2:49	9.42	119.8	13.31	14.49	28.62	0
11/17/20 3:13	11.11	121.2	12.9	14.65	28.62	0
11/17/20 3:25	12.31	124.3	13.04	14.65	28.62	0
11/17/20 3:37	16.48	129	9.93	14.68	28.62	0
11/17/20 3:46	17.58	125.3	9.43	14.76	28.55	0
11/17/20 4:01	15.61	129.5	10.67	14.93	28.55	0
11/17/20 4:24	16.48	129.5	10.91	14.98	28.55	0
11/17/20 4:31	19.18	125.6	10.08	15.1	28.55	0
11/17/20 4:58	20.67	125.4	10.12	15.29	28.52	0
11/17/20 5:11	19.89	126.5	9.31	15.46	28.52	0
11/17/20 5:27	19.49	124.8	10.02	15.33	28.52	0
11/17/20 5:39	19.76	124.1	9.22	15.63	28.52	0
11/17/20 5:58	19.65	125.9	9.22	15.81	28.51	0
11/17/20 6:07	21.63	126.6	9.58	15.8	28.51	0
11/17/20 6:17	22.26	122.9	9.94	15.8	28.51	0
11/17/20 6:30	22.16	119.4	9.47	15.87	28.51	0
11/17/20 6:48	21.5	119.7	10.4	15.78	28.48	0
11/17/20 7:01	18.89	158.8	21.19	14.92	28.48	0
11/17/20 7:17	12.79	182.5	10.79	13.9	28.48	0
11/17/20 7:36	7.333	176.7	19.75	13.1	28.48	0
11/17/20 7:45	6.53	190	16.05	12.3	28.58	0
11/17/20 8:02	4.749	151.6	32.6	11.55	28.58	0
11/17/20 8:24	5.688	102.3	12.27	11.32	28.58	0
11/17/20 8:37	5.021	96.3	14.9	12.01	28.58	0
11/17/20 8:46	7.638	131.7	11.28	12.77	28.56	0
11/17/20 9:14	9.71	139.3	7.634	13.22	28.56	0
11/17/20 9:28	10.08	151.8	10.45	13.51	28.56	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/17/20 9:30	9.83	137.2	7.868	13.43	28.56	0
11/17/20 9:47	10.82	131.3	9.34	13.57	28.56	0
11/17/20 10:09	11.33	125.5	9.31	13.68	28.56	0
11/17/20 10:17	12.06	119.7	9.04	13.63	28.56	0
11/17/20 10:38	12.03	127.5	9.41	13.56	28.56	0
11/17/20 10:57	12.99	134.7	10.89	13.78	28.55	0
11/17/20 11:06	15.76	141.6	9.14	14.2	28.55	0
11/17/20 11:25	13.62	149.6	7.332	14.54	28.55	0
11/17/20 11:43	12.91	157.1	9.88	15.07	28.55	0
11/17/20 11:56	17.49	158.8	9.23	15.93	28.55	0
11/17/20 12:14	21.94	166.7	11.39	16.33	28.55	0
11/17/20 12:25	24.86	176.2	17.64	15.75	28.55	0
11/17/20 12:36	25.75	195.9	11.65	13.78	28.55	0.01
11/17/20 12:51	19.66	198.8	7.334	12.2	28.6	0.02
11/17/20 13:12	15.24	183	10.88	11.79	28.6	0.01
11/17/20 13:24	15.48	178	8.79	11.84	28.6	0
11/17/20 13:42	17.16	187	9.72	11.61	28.6	0.01
11/17/20 13:52	16.75	196.9	9.11	11.09	28.63	0.02
11/17/20 14:01	17.01	199.1	9.52	10.81	28.63	0.01
11/17/20 14:17	12.33	189.3	11.11	10.52	28.63	0.01
11/17/20 14:44	11.73	181.5	9.56	10.47	28.63	0.01
11/17/20 14:52	12.63	183.2	9.87	10.54	28.63	0
11/17/20 15:03	12.07	187	8.22	10.57	28.63	0
11/17/20 15:28	12.15	179.3	8.91	10.56	28.63	0
11/17/20 15:30	11.5	178.1	6.998	10.45	28.63	0
11/17/20 15:48	10.66	170	9.45	10.43	28.69	0
11/17/20 16:14	10.79	165.7	10.96	10.33	28.69	0
11/17/20 16:19	10.79	168.8	8.66	10.31	28.69	0
11/17/20 16:40	12.02	165	9.18	10.21	28.69	0
11/17/20 16:46	11.17	168.4	7.687	10.15	28.7	0
11/17/20 17:00	11.46	163.2	7.669	10.05	28.7	0.01
11/17/20 17:27	10.58	163.9	9.66	10.08	28.7	0
11/17/20 17:42	8.82	174.1	8.43	10.05	28.7	0
11/17/20 17:49	10.13	160.9	13.58	10.02	28.68	0
11/17/20 18:03	8.22	140.7	6.931	9.69	28.68	0
11/17/20 18:25	8.54	162.6	21.87	9.95	28.68	0
11/17/20 18:30	8.22	229.8	13.59	9.98	28.68	0
11/17/20 18:56	7.372	204.8	21.01	9.82	28.73	0
11/17/20 19:10	13.16	193.9	15.31	9.91	28.73	0.02
11/17/20 19:21	15.49	214	9.09	9.43	28.73	0.02
11/17/20 19:34	18.3	199.6	9.97	9.15	28.73	0.01
11/17/20 19:49	19.93	204.5	8.5	9.15	28.8	0
11/17/20 20:14	16.73	205.1	9.99	8.99	28.8	0
11/17/20 20:19	16.25	203.2	10.35	8.79	28.8	0
11/17/20 20:34	12.69	189.9	13.45	8.62	28.8	0
11/17/20 20:48	9.94	168.3	11.24	8.21	28.84	0
11/17/20 21:04	10.38	156.3	9.71	7.942	28.84	0
11/17/20 21:25	10.92	167.7	10.55	8.14	28.84	0
11/17/20 21:34	8.95	157.6	11.1	8.02	28.84	0
11/17/20 21:57	7.993	150.4	8.83	7.842	28.85	0
11/17/20 22:02	7.08	149.2	10.36	7.934	28.85	0
11/17/20 22:17	5.912	140.6	9.79	7.918	28.85	0
11/17/20 22:37	6.224	140.8	8.14	7.851	28.85	0
11/17/20 22:51	5.47	123.8	7.004	7.846	28.85	0
11/17/20 23:13	5.633	124.3	5.884	7.876	28.85	0
11/17/20 23:21	6.876	127.9	6.649	8.05	28.85	0
11/17/20 23:43	6.055	132	6.977	8.2	28.85	0
11/17/20 23:48	6.699	131.7	8.73	8.34	28.86	0
11/18/20 0:06	6.706	123.6	8.34	8.4	28.86	0
11/18/20 0:15	5.479	125.5	8.05	8.32	28.86	0
11/18/20 0:41	3.432	121.1	13.14	8.34	28.86	0
11/18/20 0:56	5.191	116.2	15.02	8.24	28.86	0
11/18/20 1:13	7.095	103.6	7.82	7.983	28.86	0
11/18/20 1:17	6.932	116.2	9.42	8.2	28.86	0
11/18/20 1:30	4.173	126.5	7.904	8.59	28.86	0
11/18/20 1:57	4.336	35.06	60.63	7.626	28.84	0
11/18/20 2:13	8.58	27.19	12.66	6.492	28.84	0
11/18/20 2:16	8.28	40.67	9.37	6.465	28.84	0
11/18/20 2:30	8.23	33.44	7.078	6.373	28.84	0
11/18/20 2:53	7.404	38.95	8.01	6.259	28.81	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/18/20 3:10	5.461	31.7	10.75	6.327	28.81	0
11/18/20 3:29	4.67	55.52	12.13	6.329	28.81	0
11/18/20 3:38	5.017	51.36	16.77	6.316	28.81	0
11/18/20 3:50	4.186	72.91	36.07	6.535	28.79	0
11/18/20 4:00	3.535	24.51	19.75	6.451	28.79	0.01
11/18/20 4:28	3.324	23.39	11.64	6.286	28.79	0
11/18/20 4:32	4.895	9.91	13.54	6.147	28.79	0
11/18/20 4:59	3.18	64.53	57.39	6.149	28.77	0.01
11/18/20 5:02	5.532	114.6	19.4	6.554	28.77	0.01
11/18/20 5:28	6.028	96.2	12.41	6.466	28.77	0.01
11/18/20 5:34	6.107	82.1	12.63	6.523	28.77	0.01
11/18/20 5:57	5.491	70.8	13.68	6.549	28.75	0
11/18/20 6:05	5.866	83.2	13.61	7.165	28.75	0
11/18/20 6:15	4.196	60.9	17.97	7.181	28.75	0
11/18/20 6:33	3.535	87.6	41.15	7.18	28.75	0
11/18/20 6:59	5.588	163.4	12.52	7.461	28.71	0
11/18/20 7:07	5.515	175	17.34	7.083	28.71	0
11/18/20 7:28	6.557	174.5	19.08	7.01	28.71	0
11/18/20 7:32	7.013	136.1	8.6	6.939	28.71	0.01
11/18/20 7:51	8.01	143.7	11	6.805	28.75	0.01
11/18/20 8:08	9.83	129.4	8.46	6.682	28.75	0
11/18/20 8:28	9.83	138.8	10.36	6.746	28.75	0.01
11/18/20 8:42	10.67	133.7	10.47	6.835	28.75	0
11/18/20 8:53	9.96	138	10.05	6.837	28.75	0.01
11/18/20 9:02	9.24	143.8	9.82	6.861	28.75	0.01
11/18/20 9:17	7.811	154.8	12.19	6.792	28.75	0.01
11/18/20 9:43	6.471	144.8	9.11	6.694	28.75	0.01
11/18/20 9:56	8.36	147.4	8.58	6.681	28.78	0.02
11/18/20 10:08	7.351	146.4	11.13	6.599	28.78	0.02
11/18/20 10:17	4.664	142.5	7.805	6.472	28.78	0.03
11/18/20 10:44	6.19	132.3	9.26	6.44	28.78	0.03
11/18/20 10:55	7.972	133.3	10.17	6.47	28.8	0.02
11/18/20 11:12	8.35	118.5	9.4	6.57	28.8	0.02
11/18/20 11:16	7.812	124.7	9.86	6.839	28.8	0
11/18/20 11:31	8.21	132.3	9.53	7.03	28.8	0.01
11/18/20 11:58	8.2	122.6	8.63	7.181	28.78	0
11/18/20 12:10	8.73	140.9	12.85	7.831	28.78	0
11/18/20 12:18	8.3	149.5	10.47	8.12	28.78	0
11/18/20 12:31	6.544	148	9.54	7.917	28.78	0
11/18/20 12:52	5.085	162.5	13.8	8.01	28.8	0.01
11/18/20 13:08	4.972	146.7	10.67	8.14	28.8	0
11/18/20 13:26	5.181	160.1	14.25	8.21	28.8	0
11/18/20 13:44	6.531	150	12.71	8.15	28.8	0
11/18/20 13:49	11.16	175.4	9.04	8.08	28.83	0
11/18/20 14:04	13.45	179.8	8.69	7.931	28.83	0
11/18/20 14:21	13.12	174.8	8.78	7.723	28.83	0
11/18/20 14:32	11.64	162.9	9.12	7.672	28.83	0
11/18/20 14:49	13.07	165.5	8.03	7.762	28.85	0
11/18/20 15:07	15.36	172.6	10.68	7.666	28.85	0.01
11/18/20 15:18	16.17	184.9	8.63	7.505	28.85	0
11/18/20 15:44	14.15	186	10.25	7.312	28.85	0.01
11/18/20 15:49	16.31	179.5	9.23	7.348	28.87	0
11/18/20 16:14	13.88	176.2	10.69	7.047	28.87	0
11/18/20 16:26	15.73	177.8	9.68	6.877	28.87	0
11/18/20 16:35	14.26	170.8	10.05	6.691	28.87	0
11/18/20 16:50	12.09	165.9	8.75	6.619	28.93	0
11/18/20 17:01	11.11	184.5	14.42	6.352	28.93	0.03
11/18/20 17:28	13.27	172.6	16.23	6.282	28.93	0.01
11/18/20 17:31	13.01	176	9.68	6.246	28.93	0
11/18/20 17:45	11.16	157.2	9.89	6.144	28.94	0
11/18/20 18:00	10.57	148.1	6.99	6.087	28.94	0
11/18/20 18:21	9.34	157.3	12.35	6.083	28.94	0
11/18/20 18:43	10.6	166.8	7.95	6.264	28.94	0
11/18/20 18:56	11.82	166.4	8.19	6.311	28.97	0
11/18/20 19:12	12.41	168.8	8.72	6.343	28.97	0
11/18/20 19:27	11.77	171.7	8.49	6.263	28.97	0
11/18/20 19:38	13.24	168.2	8.17	6.254	28.97	0
11/18/20 19:57	12.05	161.2	9.02	6.041	29	0
11/18/20 20:11	13.32	155.4	7.933	5.737	29	0
11/18/20 20:25	9.95	146.1	7.612	5.435	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
11/18/20 20:34	8.99	144.1	9.43	5.398	29	0
11/18/20 20:54	9.51	142.8	9.36	5.475	29.02	0
11/18/20 21:00	9.94	147.9	7.005	5.498	29.02	0
11/18/20 21:19	9.93	152.9	6.974	5.744	29.02	0
11/18/20 21:30	7.562	140.9	9.52	5.677	29.02	0
11/18/20 21:47	5.76	132.3	9.26	5.629	29.02	0
11/18/20 22:09	4.821	128.8	9.79	5.685	29.02	0
11/18/20 22:20	5.34	134.8	10.25	5.788	29.02	0
11/18/20 22:36	4.878	130.1	9.15	5.778	29.02	0
11/18/20 22:53	4.038	136	12.78	5.659	29.07	0
11/18/20 23:13	6.713	150.2	5.924	5.586	29.07	0
11/18/20 23:22	8.94	167.1	11.26	5.728	29.07	0
11/18/20 23:30	10.38	173.4	9.21	5.833	29.07	0
11/18/20 23:45	4.935	143	13.69	5.346	29.08	0
11/19/20 0:11	3.866	128.9	11.48	5.175	29.08	0
11/19/20 0:22	5.335	139.3	14.54	5.413	29.08	0
11/19/20 0:31	5.251	140.2	11.86	5.582	29.08	0
11/19/20 0:55	4.25	143.8	10.75	5.626	29.1	0
11/19/20 1:07	4.746	140.7	12.4	5.512	29.1	0
11/19/20 1:23	6.552	145.3	7.661	5.636	29.1	0
11/19/20 1:40	5.992	163.2	8.99	5.982	29.1	0
11/19/20 1:47	3.903	136	24.82	5.769	29.13	0
11/19/20 2:10	2.383	108.3	14.82	5.549	29.13	0
11/19/20 2:21	3.459	145.5	13.13	5.847	29.13	0
11/19/20 2:42	4.116	161.5	12.94	5.976	29.13	0
11/19/20 2:59	7.002	202.9	13.42	5.877	29.15	0.01
11/19/20 3:00	9.66	181.8	11.39	5.449	29.15	0.01
11/19/20 3:20	8.1	186.5	16.38	5.319	29.15	0
11/19/20 3:41	7.194	172.7	13.69	5.123	29.15	0
11/19/20 3:45	6.189	161.5	14.14	4.969	29.19	0
11/19/20 4:04	6.107	166.9	14.15	5.002	29.19	0
11/19/20 4:23	4.731	153.3	24.67	4.999	29.19	0
11/19/20 4:42	4.005	142.3	25.45	4.959	29.19	0
11/19/20 4:45	4.176	149.9	15.38	4.954	29.23	0
11/19/20 5:06	4.141	154.6	12.8	4.941	29.23	0
11/19/20 5:20	4.145	158.1	14.35	5.015	29.23	0
11/19/20 5:39	3.408	153.6	17.05	5.044	29.23	0
11/19/20 5:49	3.122	140.5	29.61	5.028	29.24	0
11/19/20 6:14	2.77	135	22.62	4.977	29.24	0
11/19/20 6:24	5.475	171	9.03	5.047	29.24	0
11/19/20 6:36	5.356	179.6	14.02	5.063	29.24	0
11/19/20 6:57	6.919	186.1	10.16	5.115	29.3	0
11/19/20 7:04	7.772	176.7	9.51	5.12	29.3	0
11/19/20 7:15	9.02	176.7	11.3	5.098	29.3	0
11/19/20 7:32	9.6	170.3	9.46	5	29.3	0
11/19/20 7:47	7.124	149.1	18.01	4.935	29.35	0
11/19/20 8:13	4.903	136.3	12.87	4.791	29.35	0
11/19/20 8:15	4.145	116.3	19.32	4.752	29.35	0
11/19/20 8:39	4.208	132	12.27	5.03	29.35	0
11/19/20 8:51	5.805	122.1	9.16	4.866	29.37	0
11/19/20 9:11	6.315	127.4	10.2	5.14	29.37	0
11/19/20 9:24	6.701	137.5	11.03	5.246	29.37	0
11/19/20 9:40	7.832	153.6	12.55	5.897	29.37	0
11/19/20 9:45	9.12	167.7	10.94	6.364	29.41	0
11/19/20 10:01	8.99	164.6	11.16	6.598	29.41	0
11/19/20 10:15	9.29	166.5	9.62	6.492	29.41	0
11/19/20 10:38	9.22	164.5	12.36	6.563	29.41	0
11/19/20 10:53	8.66	151.2	11.43	6.867	29.41	0
11/19/20 11:04	9.1	143.2	8.95	6.594	29.41	0
11/19/20 11:28	9.42	150.1	8.19	6.628	29.41	0
11/19/20 11:43	8.26	157.7	9.19	6.701	29.41	0.01
11/19/20 11:48	7.946	155.8	12.76	6.499	29.43	0
11/19/20 12:01	5.345	187.5	18.4	6.47	29.43	0.01
11/19/20 12:25	4.89	185.9	15.77	6.448	29.43	0.02
11/19/20 12:39	6.161	183.8	14.24	6.369	29.43	0.01
11/19/20 12:53	5.407	202.4	16.05	6.138	29.45	0.04
11/19/20 13:12	6.913	193.6	11.44	6.345	29.45	0
11/19/20 13:26	7.366	181.6	13.59	6.334	29.45	0
11/19/20 13:34	5.946	177.9	12.5	6.433	29.45	0
11/19/20 13:58	8.27	177.1	10.91	6.26	29.45	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/19/20 14:05	6.713	163.5	10.32	6.248	29.45	0
11/19/20 14:27	5.365	141.8	10.76	6.274	29.45	0
11/19/20 14:33	6.105	139.1	8.23	6.115	29.45	0.01
11/19/20 14:59	5.822	164.7	16.77	6.087	29.49	0
11/19/20 15:00	5.802	139.3	11.32	6.182	29.49	0.01
11/19/20 15:26	6.596	144.2	8.09	6.363	29.49	0
11/19/20 15:43	8	150.4	9.48	6.498	29.49	0
11/19/20 15:50	6.368	135.7	9.35	6.268	29.48	0
11/19/20 16:13	7.568	141.2	8.26	6.119	29.48	0
11/19/20 16:16	8.07	144.4	8.2	5.995	29.48	0
11/19/20 16:34	6.903	137.7	6.72	5.803	29.48	0
11/19/20 16:47	6.242	134.8	8.06	5.805	29.51	0.01
11/19/20 17:00	5.742	121	8.35	5.812	29.51	0
11/19/20 17:20	5.968	118.1	9.98	5.875	29.51	0
11/19/20 17:44	6.078	131.9	10.89	5.915	29.51	0
11/19/20 17:45	6.868	136.9	6.651	5.899	29.5	0
11/19/20 18:13	5.51	139.7	12.45	5.961	29.5	0
11/19/20 18:16	6.162	158.1	15.49	5.881	29.5	0.04
11/19/20 18:32	3.688	109.6	13.19	5.409	29.5	0.03
11/19/20 18:57	3.004	92.2	17.23	5.339	29.54	0
11/19/20 19:10	5.448	138.3	9.3	5.33	29.54	0
11/19/20 19:29	7.649	144.3	6.244	5.692	29.54	0.01
11/19/20 19:30	4.705	126.4	9.96	5.679	29.54	0
11/19/20 19:57	4.542	120.6	7.02	5.574	29.53	0
11/19/20 20:13	6.43	136.6	7.624	5.727	29.53	0
11/19/20 20:16	4.987	129.6	11.96	5.805	29.53	0
11/19/20 20:44	4.527	121.9	7.484	5.828	29.53	0
11/19/20 20:51	6.213	135.6	7.347	6.002	29.54	0
11/19/20 21:13	6.135	144.3	9.34	6.028	29.54	0
11/19/20 21:20	4.84	147.4	10.63	5.893	29.54	0.01
11/19/20 21:36	4.855	136.2	12.42	5.934	29.54	0
11/19/20 21:45	4.845	155.5	11.1	5.998	29.57	0
11/19/20 22:01	4.585	151.5	13.97	6.123	29.57	0
11/19/20 22:29	3.618	136.7	6.867	5.999	29.57	0
11/19/20 22:30	5.063	142.7	6.584	6.226	29.57	0
11/19/20 22:50	5.67	143.4	6.208	6.225	29.56	0
11/19/20 23:02	5.602	143.8	6.973	6.143	29.56	0.01
11/19/20 23:20	5.506	141	7.098	6.114	29.56	0
11/19/20 23:43	4.375	122.8	8.23	5.967	29.56	0.01
11/19/20 23:57	6.829	126.5	7.003	5.775	29.59	0
11/20/20 0:07	7.864	133.7	9.59	6.011	29.59	0
11/20/20 0:20	6.748	133.7	8.07	6.11	29.59	0
11/20/20 0:41	6.64	135.6	9.59	6.109	29.59	0
11/20/20 0:47	5.812	136.7	9.13	6.154	29.57	0
11/20/20 1:12	6.045	129.4	8.33	6.189	29.57	0
11/20/20 1:15	6.23	132	8.69	6.334	29.57	0
11/20/20 1:43	6.622	136.3	11.17	6.403	29.57	0
11/20/20 1:47	7.508	136.5	8.58	6.36	29.58	0
11/20/20 2:04	8.41	128.4	9.16	6.364	29.58	0
11/20/20 2:18	6.26	128.7	10.31	6.375	29.58	0
11/20/20 2:32	6.68	137.9	7.786	6.436	29.58	0
11/20/20 2:45	5.831	130.8	10.36	6.446	29.58	0
11/20/20 3:14	6.162	135.9	10.35	6.396	29.58	0
11/20/20 3:16	5.754	122.3	9.38	6.526	29.58	0.01
11/20/20 3:35	6.365	118.7	8.3	6.595	29.58	0
11/20/20 3:57	6.014	119.5	8.57	6.615	29.6	0
11/20/20 4:00	6.037	129.2	9.7	6.722	29.6	0
11/20/20 4:24	6.039	140.8	9.42	6.653	29.6	0
11/20/20 4:43	5.751	136.4	9.82	6.569	29.6	0
11/20/20 4:52	6.414	130.2	8.71	6.698	29.58	0
11/20/20 5:03	6.481	136	6.433	6.661	29.58	0
11/20/20 5:25	6.892	136.5	8.96	6.679	29.58	0
11/20/20 5:33	6.309	140.4	13.8	6.809	29.58	0
11/20/20 5:56	7.185	127.3	7.734	6.691	29.6	0
11/20/20 6:11	7.763	125.8	7.644	6.798	29.6	0
11/20/20 6:16	6.791	142.2	10.42	6.859	29.6	0
11/20/20 6:31	6.517	140.8	8.5	6.952	29.6	0
11/20/20 6:55	7.065	135.9	7.038	6.809	29.57	0
11/20/20 7:04	7.182	139.7	16.1	6.872	29.57	0
11/20/20 7:23	6.638	145	9.29	6.756	29.57	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/20/20 7:32	7.332	144.2	6.227	6.739	29.57	0
11/20/20 7:47	6.645	140.6	7.908	6.826	29.61	0
11/20/20 8:01	6.582	141.4	8.74	6.91	29.61	0
11/20/20 8:15	6.982	137.1	6.961	7.013	29.61	0
11/20/20 8:30	6.085	134	8.59	7.333	29.61	0
11/20/20 8:59	6.707	138.1	7.349	7.608	29.6	0
11/20/20 9:10	6.333	150.7	11.64	7.669	29.6	0
11/20/20 9:22	6.923	147.2	9.82	7.579	29.6	0
11/20/20 9:39	7.447	142.7	9.22	7.805	29.6	0
11/20/20 9:47	7.596	133.7	8.73	8.05	29.59	0
11/20/20 10:01	7.381	130.6	9.76	8.38	29.59	0
11/20/20 10:23	7.765	129	12.46	8.67	29.59	0
11/20/20 10:42	7.073	146.8	9.73	9.09	29.59	0
11/20/20 10:47	8.44	139.6	10.29	9.21	29.59	0
11/20/20 11:09	7.782	132.2	9.68	9.34	29.59	0
11/20/20 11:22	6.812	135.1	9.48	9.43	29.59	0
11/20/20 11:39	6.064	137.8	9.97	9.51	29.59	0
11/20/20 11:53	6.105	134.9	7.185	9.45	29.6	0
11/20/20 12:10	5.293	131.8	8.7	9.38	29.6	0
11/20/20 12:15	5.358	139.5	5.284	9.33	29.6	0
11/20/20 12:44	4.248	156.7	9.76	9.41	29.6	0
11/20/20 12:46	5.127	196.1	40.83	9.59	29.6	0
11/20/20 13:12	4.247	254.8	20.45	9.16	29.6	0
11/20/20 13:15	2.913	278	10.62	8.92	29.6	0
11/20/20 13:35	2.352	307.4	21.43	8.95	29.6	0
11/20/20 13:59	2.45	312.5	14.08	8.95	29.6	0
11/20/20 14:14	3.154	260.7	29.88	8.79	29.6	0
11/20/20 14:24	6.151	213.7	11.29	8.79	29.6	0
11/20/20 14:32	6.385	207.9	7.87	8.82	29.6	0
11/20/20 14:58	6.338	194.2	12.66	8.82	29.59	0
11/20/20 15:01	7.64	181.4	7.976	8.62	29.59	0
11/20/20 15:15	7.531	174.7	6.52	8.63	29.59	0
11/20/20 15:34	8.94	169.2	6.979	8.73	29.59	0
11/20/20 15:48	8.39	160.2	8.77	8.63	29.58	0
11/20/20 16:00	7.278	143.1	7.201	8.46	29.58	0
11/20/20 16:18	6.346	147.7	6.717	8.34	29.58	0
11/20/20 16:37	5.951	138.5	7.962	8.19	29.58	0
11/20/20 16:59	5.47	126.9	9.98	8.13	29.59	0
11/20/20 17:14	7.319	123.2	7.968	8.05	29.59	0
11/20/20 17:16	7.713	122.8	10.15	8.25	29.59	0
11/20/20 17:41	8.91	139.8	7.534	8.33	29.59	0
11/20/20 17:58	7.141	132	13.64	8.56	29.58	0
11/20/20 18:00	6.094	129.1	11.15	8.45	29.58	0
11/20/20 18:26	7.766	137.9	8.43	8.24	29.58	0
11/20/20 18:43	7.519	141.8	9.65	8.16	29.58	0
11/20/20 18:56	8	164.4	10.76	8.3	29.59	0
11/20/20 19:00	6.674	143.5	12.19	8.02	29.59	0
11/20/20 19:20	6.05	135.7	12.47	7.895	29.59	0
11/20/20 19:30	5.537	138.8	9.56	7.81	29.59	0
11/20/20 19:46	5.912	144.3	11.49	8.11	29.6	0
11/20/20 20:10	6.479	155.9	13.49	8.1	29.6	0
11/20/20 20:23	6.631	142	7.988	8.11	29.6	0
11/20/20 20:33	6.093	142.9	8.12	8.29	29.6	0
11/20/20 20:45	6.802	138.5	6.49	8.19	29.6	0
11/20/20 21:14	7.423	139.1	5.313	8.05	29.6	0
11/20/20 21:17	6.896	139.8	9.21	8.04	29.6	0
11/20/20 21:35	7.478	146.2	7.686	8.01	29.6	0
11/20/20 21:46	5.983	137.8	8.81	7.949	29.59	0
11/20/20 22:09	4.998	131	6.445	7.84	29.59	0
11/20/20 22:22	6.475	148.6	7.157	7.791	29.59	0
11/20/20 22:31	6.105	150.8	7.129	7.894	29.59	0
11/20/20 22:48	5.589	146.4	6.496	7.71	29.6	0
11/20/20 23:12	5.192	163.6	9.66	7.702	29.6	0
11/20/20 23:15	4.521	148.2	16.4	7.715	29.6	0
11/20/20 23:33	2.351	103.4	25.22	7.671	29.6	0
11/20/20 23:45	1.478	116.4	27.99	7.716	29.62	0
11/21/20 0:02	0.588	130.6	35.46	7.822	29.62	0
11/21/20 0:16	0.888	69.48	17.01	7.798	29.62	0
11/21/20 0:31	0.254	30.86	5.448	7.817	29.62	0
11/21/20 0:55	0.809	146.3	39.25	7.93	29.63	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/21/20 1:12	2.49	167.6	13.48	7.963	29.63	0
11/21/20 1:22	2.679	186.3	13.31	7.929	29.63	0
11/21/20 1:34	2.423	159.2	17.91	7.915	29.63	0
11/21/20 1:59	0.734	139.3	21.61	7.85	29.62	0
11/21/20 2:13	1.423	135.3	16.54	7.712	29.62	0
11/21/20 2:28	1.612	157.5	18.03	7.577	29.62	0
11/21/20 2:34	1.553	140.2	25.68	7.65	29.62	0
11/21/20 2:55	0.688	200.1	10.79	7.5	29.61	0
11/21/20 3:01	0.51	181.1	13.23	7.174	29.61	0.01
11/21/20 3:24	0.969	41.84	29.01	7.189	29.61	0
11/21/20 3:38	1.598	169.6	89.8	6.628	29.61	0
11/21/20 3:59	3.021	109.1	8.14	6.546	29.63	0
11/21/20 4:11	3.399	105.3	7.049	6.472	29.63	0
11/21/20 4:28	4.044	125.4	9.28	6.406	29.63	0
11/21/20 4:30	3.242	123	7.884	6.331	29.63	0
11/21/20 4:59	2.633	110.8	7.591	6.359	29.63	0
11/21/20 5:01	2.695	109.4	9.26	6.479	29.63	0
11/21/20 5:27	2.166	75.4	14.9	6.52	29.63	0.01
11/21/20 5:39	3.341	83.3	6.657	6.391	29.63	0
11/21/20 5:49	3.276	60.63	5.149	6.286	29.62	0
11/21/20 6:04	3.228	53.22	6.126	6.271	29.62	0
11/21/20 6:27	2.381	65.8	18.93	6.368	29.62	0
11/21/20 6:34	3.099	76.05	7.928	6.492	29.62	0
11/21/20 6:46	1.938	82.2	11.97	6.453	29.64	0
11/21/20 7:07	2.268	74.92	9.67	6.512	29.64	0
11/21/20 7:29	1.385	47.8	8.62	6.331	29.64	0
11/21/20 7:33	1.821	48.49	11.18	6.404	29.64	0
11/21/20 7:59	1.733	24.74	5.603	6.704	29.61	0
11/21/20 8:10	3.353	24.82	6.413	6.492	29.61	0
11/21/20 8:22	2.806	3.669	11.14	6.682	29.61	0.01
11/21/20 8:30	1.895	20.99	19.29	6.719	29.61	0
11/21/20 8:59	0.877	6.081	19.42	7.061	29.64	0
11/21/20 9:05	2.223	283.5	16.96	7.323	29.64	0
11/21/20 9:23	1.837	314.2	35.11	7.505	29.64	0
11/21/20 9:44	2.065	323.2	12.61	7.681	29.64	0
11/21/20 9:45	2.505	348.2	18.7	7.943	29.63	0
11/21/20 10:14	2.531	16.37	10.83	8.08	29.63	0
11/21/20 10:19	3.01	22.71	15.25	8.24	29.63	0
11/21/20 10:44	2.969	24.9	7.871	8.55	29.63	0
11/21/20 10:53	2.466	22.91	15.06	8.93	29.61	0
11/21/20 11:13	1.375	336.1	51.44	9.43	29.61	0
11/21/20 11:26	2.481	276.2	24.05	9.71	29.61	0
11/21/20 11:32	2.476	285.5	37.23	9.45	29.61	0
11/21/20 11:55	2.247	25.6	30.05	9.91	29.58	0
11/21/20 12:06	2.467	24.48	25.96	9.95	29.58	0
11/21/20 12:28	4.931	20.63	14.39	10.21	29.58	0
11/21/20 12:30	5.492	18.34	12.03	10.23	29.58	0
11/21/20 12:55	6.747	23.75	12.75	10.33	29.57	0
11/21/20 13:01	6.33	11.66	13.39	10.3	29.57	0
11/21/20 13:28	5.888	18.49	12.1	10.43	29.57	0
11/21/20 13:34	7.38	19.96	9.79	10.35	29.57	0
11/21/20 13:50	7.887	15.75	7.167	10.3	29.53	0
11/21/20 14:07	6.26	12.87	10.93	10.38	29.53	0
11/21/20 14:15	5.336	15.06	12.06	10.36	29.53	0
11/21/20 14:34	6.196	12.02	10.81	10.2	29.53	0
11/21/20 14:49	5.823	12.88	8.89	10.01	29.51	0
11/21/20 15:09	5.499	10.1	11.77	10.03	29.51	0
11/21/20 15:18	5.328	4.576	12.03	9.99	29.51	0
11/21/20 15:35	5.888	11.4	11.79	9.81	29.51	0
11/21/20 15:58	6.183	7.786	10.3	9.53	29.51	0
11/21/20 16:14	6.871	5.189	9.87	9.38	29.51	0
11/21/20 16:20	5.811	14.02	10.16	8.95	29.51	0
11/21/20 16:33	6.357	22.34	9.25	8.43	29.51	0
11/21/20 16:58	5.693	25.26	8.97	8.1	29.47	0
11/21/20 17:08	6.511	23.7	7.576	8.03	29.47	0
11/21/20 17:26	6.35	35.18	6.49	7.62	29.47	0
11/21/20 17:32	4.672	42.5	11.34	7.974	29.47	0
11/21/20 17:45	3.964	31.19	7.777	7.722	29.45	0
11/21/20 18:02	3.685	15.6	15.94	7.454	29.45	0
11/21/20 18:18	4.305	341.7	10.24	7.119	29.45	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/21/20 18:30	2.673	357.5	28.13	6.705	29.45	0
11/21/20 18:55	3.357	19.1	7.441	6.789	29.42	0
11/21/20 19:10	4.788	32.93	8.93	6.18	29.42	0
11/21/20 19:17	5.146	22.78	11.22	5.823	29.42	0
11/21/20 19:30	3.224	350.3	18.57	6.543	29.42	0
11/21/20 19:56	2.81	38.06	24.59	6.663	29.41	0
11/21/20 20:01	3.121	1.595	13.43	6.291	29.41	0
11/21/20 20:21	3.748	8.49	16.32	6.03	29.41	0
11/21/20 20:34	4.08	16.06	14.83	5.612	29.41	0
11/21/20 20:47	2.249	37.56	32.69	5.646	29.39	0
11/21/20 21:13	2.412	46.98	23.08	5.775	29.39	0
11/21/20 21:19	2.445	88.8	33.79	6.583	29.39	0
11/21/20 21:44	6.198	118	14.46	7.172	29.39	0
11/21/20 21:53	8.24	122.4	9.22	7.399	29.36	0
11/21/20 22:07	6.915	121.3	8.83	7.322	29.36	0
11/21/20 22:26	6.435	130.4	9.63	7.27	29.36	0
11/21/20 22:42	5.548	132.1	8.34	7.671	29.36	0
11/21/20 22:54	5.726	111.6	17.81	7.26	29.36	0
11/21/20 23:03	3.601	120.5	26.98	6.979	29.36	0
11/21/20 23:23	3.97	125.6	25.37	7.521	29.36	0
11/21/20 23:38	3.838	105.2	15.38	6.982	29.36	0
11/21/20 23:59	4.063	88.4	15.09	6.249	29.31	0
11/22/20 0:03	5.95	112.4	12.95	7.254	29.31	0
11/22/20 0:29	6.331	100.7	15.76	7.864	29.31	0
11/22/20 0:33	5.468	70.98	23.05	6.545	29.31	0
11/22/20 0:49	2.874	43.12	20.67	6.12	29.31	0
11/22/20 1:10	2.878	70.92	55.01	7.935	29.31	0
11/22/20 1:17	5.154	120.5	17.26	7.444	29.31	0
11/22/20 1:40	3.815	97.9	23.95	5.898	29.31	0
11/22/20 1:53	3.265	74	17.09	6.359	29.26	0
11/22/20 2:04	5.861	98.6	21.63	7.561	29.26	0
11/22/20 2:16	4.173	122.9	25.69	7.515	29.26	0
11/22/20 2:42	5.148	171.4	22.8	7.969	29.26	0
11/22/20 2:59	4.149	154.3	19.89	7.6	29.25	0
11/22/20 3:15	6.757	114.8	11.73	5.639	29.25	0
11/22/20 3:30	8.83	135.5	9.52	6.936	29.25	0
11/22/20 3:32	12.63	147.4	10.75	8.09	29.25	0
11/22/20 3:59	10.76	169.1	11.11	8.08	29.24	0
11/22/20 4:13	11.68	181.5	11.08	7.68	29.24	0
11/22/20 4:15	11.27	192	12.25	7.479	29.24	0
11/22/20 4:32	10.11	190	12.14	7.216	29.24	0
11/22/20 4:59	9.02	172.3	10.3	6.864	29.24	0
11/22/20 5:08	9.82	153.5	7.038	6.816	29.24	0
11/22/20 5:29	9.08	162.5	7.885	6.698	29.24	0
11/22/20 5:41	9.38	167.4	11.96	6.913	29.24	0
11/22/20 5:59	9.46	164.8	11.2	7.005	29.21	0
11/22/20 6:11	10.17	168.9	13.15	7.102	29.21	0
11/22/20 6:25	10.22	166.7	12.84	6.937	29.21	0
11/22/20 6:40	8.96	156.5	14.34	7.235	29.21	0
11/22/20 6:52	9.8	156	12.57	7.358	29.18	0
11/22/20 7:08	9.79	155.3	11.87	7.405	29.18	0
11/22/20 7:26	7.588	170.9	15.75	7.177	29.18	0
11/22/20 7:39	6.952	185.1	20.97	7.085	29.18	0
11/22/20 7:50	8.29	177.7	14.58	6.972	29.19	0
11/22/20 8:00	5.2	172.4	26.73	6.342	29.19	0
11/22/20 8:15	3.493	109.3	29.78	5.977	29.19	0
11/22/20 8:44	6.586	136.9	9.59	6.733	29.19	0
11/22/20 8:58	10.64	147.2	9.19	7.727	29.18	0
11/22/20 9:02	8.49	202.4	35.93	7.486	29.18	0
11/22/20 9:18	6.295	252.6	21.96	6.93	29.18	0
11/22/20 9:40	4.368	210.1	33.9	7.161	29.18	0
11/22/20 9:55	2.791	213.8	34.79	7.34	29.16	0
11/22/20 10:12	3.789	261.6	15.25	6.64	29.16	0
11/22/20 10:28	5.551	279.2	14.13	6.896	29.16	0
11/22/20 10:38	7.128	292.9	5.479	6.705	29.16	0
11/22/20 10:46	7.689	290.9	5.525	6.578	29.16	0
11/22/20 11:02	7.224	279.2	5.957	6.435	29.16	0
11/22/20 11:20	3.888	291.7	8.95	6.453	29.16	0
11/22/20 11:30	2.065	343.9	37.37	6.484	29.16	0
11/22/20 11:53	1.037	269.1	15.64	6.418	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
11/22/20 12:14	3.753	244.2	19.15	6.492	29.16	0
11/22/20 12:15	3.765	233.9	9.87	6.42	29.16	0
11/22/20 12:38	3.748	215.1	18.1	6.506	29.16	0
11/22/20 12:45	1.566	246.5	14.08	6.684	29.14	0
11/22/20 13:00	1.662	252.1	18.89	6.919	29.14	0
11/22/20 13:18	1.169	255.9	23.46	6.92	29.14	0
11/22/20 13:43	2.322	265.2	22.46	6.882	29.14	0
11/22/20 13:55	5.792	320.8	49.85	6.604	29.12	0
11/22/20 14:14	3.183	299	72.78	6.45	29.12	0
11/22/20 14:15	3.425	247.2	16.18	6.304	29.12	0
11/22/20 14:33	1.2	249.1	53.45	6.293	29.12	0
11/22/20 14:57	2.167	151.7	34.93	6.332	29.14	0
11/22/20 15:14	4.02	202.4	7.681	6.069	29.14	0
11/22/20 15:17	4.51	202.3	11.39	5.675	29.14	0
11/22/20 15:44	2.817	222.8	7.619	5.592	29.14	0
11/22/20 15:45	1.608	95.7	47.48	5.506	29.12	0.01
11/22/20 16:03	5.863	73.48	8.68	5.135	29.12	0.02
11/22/20 16:15	3.376	98.3	29.81	5.012	29.12	0.01
11/22/20 16:42	2.513	59.59	16.3	4.87	29.12	0.01
11/22/20 16:52	3.117	42.14	10.45	4.739	29.13	0.01
11/22/20 17:11	3.149	88.3	28.54	4.906	29.13	0.01
11/22/20 17:15	2.94	97	43.13	5.118	29.13	0.01
11/22/20 17:31	0.306	62.2	0.542	4.921	29.13	0
11/22/20 17:49	1.298	327.6	32.91	4.761	29.09	0
11/22/20 18:01	1.471	358.4	13.46	4.43	29.09	0
11/22/20 18:27	1.297	103.6	13.19	4.373	29.09	0
11/22/20 18:44	4.72	117.1	11.85	4.714	29.09	0
11/22/20 18:45	4.053	119.1	16.19	4.798	29.06	0.01
11/22/20 19:09	4.356	125.9	13.79	4.876	29.06	0
11/22/20 19:16	5.336	141.1	11.97	5.063	29.06	0
11/22/20 19:34	4.461	153.9	10.77	5.269	29.06	0
11/22/20 19:59	4.596	170	13.97	5.365	29.08	0.01
11/22/20 20:00	4.667	188.8	16.34	5.176	29.08	0
11/22/20 20:22	5.471	191.6	10.51	4.989	29.08	0
11/22/20 20:35	4.996	172.2	12.12	4.903	29.08	0.02
11/22/20 20:48	5.182	161.3	9.15	4.929	29.08	0.01
11/22/20 21:04	4.908	147.4	7.97	4.948	29.08	0.01
11/22/20 21:15	3.568	147.5	12.96	4.998	29.08	0.01
11/22/20 21:35	3.396	178.1	19.16	5.028	29.08	0
11/22/20 21:58	3.867	192.5	17.03	4.986	29.07	0.02
11/22/20 22:07	4.623	165.6	9.2	4.951	29.07	0.01
11/22/20 22:20	4.265	147.4	10.5	4.923	29.07	0
11/22/20 22:30	2.971	132.4	12.06	4.961	29.07	0.01
11/22/20 22:50	2.814	192.5	28.98	4.989	29.09	0.01
11/22/20 23:13	2.718	210	19.12	4.961	29.09	0.01
11/22/20 23:23	3.296	187.2	12.06	4.929	29.09	0.01
11/22/20 23:43	3.246	152.8	15.49	4.865	29.09	0
11/22/20 23:59	3.976	138.5	10.75	4.831	29.1	0.01
11/23/20 0:06	4.05	139.4	7.264	4.796	29.1	0
11/23/20 0:24	4.37	141.1	12.77	4.803	29.1	0.01
11/23/20 0:30	5.068	139.6	12.66	4.779	29.1	0
11/23/20 0:51	5.714	141.5	12.32	4.784	29.08	0
11/23/20 1:03	4.979	159	12.17	4.821	29.08	0
11/23/20 1:23	5.435	143.7	8.94	4.812	29.08	0
11/23/20 1:43	6.696	155.8	9.83	4.859	29.08	0
11/23/20 1:53	7.522	164.1	11.83	4.962	29.09	0
11/23/20 2:07	6.694	176.5	11.15	5.014	29.09	0
11/23/20 2:19	6.845	180.2	13.37	5.058	29.09	0
11/23/20 2:38	7.126	190.8	11.56	5.067	29.09	0
11/23/20 2:46	6.566	165.9	17.12	5.038	29.1	0
11/23/20 3:03	5.168	162.3	16.88	5.049	29.1	0
11/23/20 3:24	5.232	128.9	9.14	4.994	29.1	0
11/23/20 3:41	5.755	139.5	10.99	4.992	29.1	0
11/23/20 3:52	5.565	131	10.05	5.026	29.05	0
11/23/20 4:00	5.443	129.9	8.11	5.044	29.05	0
11/23/20 4:28	5.201	136	10	5.139	29.05	0
11/23/20 4:43	5.456	146.9	16.06	5.282	29.05	0
11/23/20 4:53	6.488	164.4	21.05	5.362	29.09	0.01
11/23/20 5:03	6.464	167.2	14.4	5.386	29.09	0.03
11/23/20 5:17	10.82	189	11.39	5.251	29.09	0.03

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/23/20 5:34	10.49	174.7	15.84	5.059	29.09	0.02
11/23/20 5:47	8.07	147.9	9.92	4.718	29.1	0
11/23/20 6:05	6.389	131.1	8.29	4.536	29.1	0.01
11/23/20 6:27	7.945	120.5	6.972	4.405	29.1	0
11/23/20 6:40	7.759	123.4	10.87	4.361	29.1	0
11/23/20 6:50	8.99	118.7	8.59	4.325	29.07	0
11/23/20 7:00	9.38	132.4	14.05	4.453	29.07	0
11/23/20 7:21	8.16	134.6	11.47	4.71	29.07	0
11/23/20 7:31	7.927	138.8	17.06	4.929	29.07	0
11/23/20 7:49	9.43	152.6	11.05	5.332	29.1	0
11/23/20 8:14	10.63	159.5	10.33	5.453	29.1	0
11/23/20 8:15	8.84	172.9	10.96	5.471	29.1	0
11/23/20 8:36	10.06	168.2	10.48	5.465	29.1	0
11/23/20 8:55	11.42	178	10.49	5.535	29.15	0
11/23/20 9:13	10.37	187.9	7.629	5.478	29.15	0
11/23/20 9:22	10.58	178.1	8.35	5.552	29.15	0
11/23/20 9:33	9.58	166.9	10.81	6.154	29.15	0
11/23/20 9:56	10.49	168.6	9.91	6.311	29.14	0
11/23/20 10:03	11.68	177.7	11.98	6.411	29.14	0
11/23/20 10:15	10.19	178.4	10.02	6.223	29.14	0.01
11/23/20 10:38	11.7	174.5	11	6.06	29.14	0
11/23/20 10:45	9.2	182.1	8.27	5.8	29.18	0
11/23/20 11:02	7.267	177.4	11.06	5.829	29.18	0.01
11/23/20 11:23	7.623	175.4	15.12	5.825	29.18	0.01
11/23/20 11:37	7.495	173.6	10.93	5.924	29.18	0
11/23/20 11:54	7.789	167.7	13.16	6.356	29.17	0
11/23/20 12:14	7.715	168.1	11.81	6.18	29.17	0.01
11/23/20 12:22	7.497	173.2	11.08	6.075	29.17	0
11/23/20 12:34	6.606	162.5	14.31	6.224	29.17	0
11/23/20 12:54	6.242	146.7	9.33	6.045	29.21	0
11/23/20 13:03	5.534	168.8	12.62	6.03	29.21	0
11/23/20 13:29	5.166	164.4	13.08	6.024	29.21	0
11/23/20 13:30	4.16	167.7	13	6.171	29.21	0
11/23/20 13:56	3.37	161.1	17.17	6.197	29.22	0
11/23/20 14:02	4.735	151.5	9.02	6.191	29.22	0
11/23/20 14:16	3.247	158.9	11.26	6.259	29.22	0
11/23/20 14:38	3.429	169.4	15.48	6.158	29.22	0
11/23/20 14:45	2.265	240.7	48.55	6.149	29.24	0
11/23/20 15:00	1.97	343.9	48.58	6.15	29.24	0
11/23/20 15:29	1.627	31.44	13.5	6.079	29.24	0
11/23/20 15:40	2.539	66.51	16.89	5.859	29.24	0
11/23/20 15:45	2.942	94.2	12.41	5.793	29.27	0
11/23/20 16:13	2.919	84.5	11	5.722	29.27	0
11/23/20 16:19	4.162	90.1	7.943	5.652	29.27	0
11/23/20 16:43	3.031	110.6	14.23	5.624	29.27	0
11/23/20 16:48	4.207	163.5	12.83	5.514	29.26	0
11/23/20 17:01	3.792	132.2	11.56	5.483	29.26	0
11/23/20 17:20	2.286	125.9	25.84	5.483	29.26	0
11/23/20 17:43	3.133	145.6	21.94	5.523	29.26	0
11/23/20 17:46	3.408	160.5	18.41	5.556	29.3	0
11/23/20 18:12	3.738	153.5	9.71	5.477	29.3	0
11/23/20 18:26	5.116	167.9	15.61	5.519	29.3	0
11/23/20 18:37	5.249	142.5	16.05	5.527	29.3	0
11/23/20 18:58	4.143	121	10.94	5.409	29.31	0
11/23/20 19:06	3.915	136.6	12.77	5.372	29.31	0.01
11/23/20 19:29	4.766	131.3	8.53	5.331	29.31	0
11/23/20 19:31	5.397	128.8	8.49	5.35	29.31	0.01
11/23/20 19:51	4.35	134.4	10.17	5.173	29.3	0
11/23/20 20:05	3.76	128.9	7.992	5.022	29.3	0
11/23/20 20:28	4.188	128.5	9.29	5.174	29.3	0
11/23/20 20:42	5.034	138.3	8.83	5.314	29.3	0
11/23/20 20:47	5.328	143.7	7.933	5.39	29.33	0
11/23/20 21:05	5.427	147.4	7.46	5.419	29.33	0
11/23/20 21:17	4.69	144.8	6.257	5.494	29.33	0
11/23/20 21:44	4.891	146.1	8.57	5.46	29.33	0
11/23/20 21:56	5.703	157.4	6.997	5.478	29.34	0
11/23/20 22:12	6.166	155.4	5.979	5.53	29.34	0
11/23/20 22:24	5.492	165	7.93	5.465	29.34	0
11/23/20 22:30	5.675	168.4	7.098	5.579	29.34	0
11/23/20 22:53	5.447	159	7.482	5.452	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
11/23/20 23:13	6.007	156.5	6.599	5.441	29.33	0
11/23/20 23:17	6.07	149.9	6.898	5.477	29.33	0
11/23/20 23:35	7.069	150	6.547	5.512	29.33	0
11/23/20 23:55	5.918	139.6	8.91	5.771	29.33	0
11/24/20 0:08	5.582	139.4	7.817	5.798	29.33	0
11/24/20 0:23	5.91	136.5	8.57	5.856	29.33	0
11/24/20 0:36	5.031	145.1	10.45	6.028	29.33	0
11/24/20 0:52	5.685	143.8	7.352	6.056	29.32	0
11/24/20 1:01	5.772	140.1	6.424	6.197	29.32	0
11/24/20 1:27	7.623	138.6	8.52	6.305	29.32	0
11/24/20 1:30	6.52	144.4	8.42	6.261	29.32	0
11/24/20 1:54	6.205	141.1	8.66	6.227	29.32	0
11/24/20 2:04	5.464	131.2	9.35	6.31	29.32	0
11/24/20 2:23	6.28	126.8	8.97	6.47	29.32	0
11/24/20 2:31	6.116	134.9	8.23	6.563	29.32	0
11/24/20 2:58	5.969	153.6	9.98	6.364	29.29	0
11/24/20 3:07	5.921	142.7	11.81	6.392	29.29	0
11/24/20 3:27	5.437	157.1	18.76	6.175	29.29	0
11/24/20 3:33	5.542	136	8.97	6.274	29.29	0
11/24/20 3:50	5.969	125.8	6.905	6.391	29.3	0
11/24/20 4:00	5.022	138.8	8.75	6.572	29.3	0
11/24/20 4:20	5.366	169.1	17.41	6.34	29.3	0
11/24/20 4:31	5.611	187	11.97	5.803	29.3	0
11/24/20 4:56	5.782	176	18.35	5.723	29.26	0
11/24/20 5:02	5.486	153.3	14.84	5.977	29.26	0
11/24/20 5:16	4.353	160.8	27.78	6.15	29.26	0
11/24/20 5:43	4.575	155.6	31.6	6.166	29.26	0
11/24/20 5:54	7.129	171	20.4	6.043	29.27	0
11/24/20 6:00	5.13	172.3	13.37	5.91	29.27	0
11/24/20 6:23	5.358	177.1	18.1	5.439	29.27	0
11/24/20 6:43	6.218	152.6	14.43	5.187	29.27	0
11/24/20 6:46	7.54	123.3	9.58	5.427	29.22	0
11/24/20 7:11	7.056	126.9	9.36	5.568	29.22	0
11/24/20 7:19	6.565	134.9	11.75	5.758	29.22	0
11/24/20 7:44	6.959	169.8	16.5	5.755	29.22	0
11/24/20 7:50	8.35	144.3	14.33	6.016	29.2	0
11/24/20 8:03	9.4	130.8	9.95	6.508	29.2	0
11/24/20 8:21	8.56	151.7	22.25	6.806	29.2	0
11/24/20 8:37	9.44	142.9	13.35	6.803	29.2	0
11/24/20 8:45	9.06	134.6	8.46	7.111	29.19	0
11/24/20 9:01	8.87	127.3	9.14	7.348	29.19	0.01
11/24/20 9:21	7.729	141.1	9.98	7.729	29.19	0
11/24/20 9:30	7.772	146.1	8.05	7.947	29.19	0
11/24/20 9:58	8.52	147.7	7.556	8.21	29.19	0
11/24/20 10:13	8.09	154.8	18.15	8.22	29.19	0
11/24/20 10:17	8.25	148.9	9.88	8.69	29.19	0
11/24/20 10:44	8.64	163.2	8.23	8.67	29.19	0
11/24/20 10:59	10.24	154.1	12.71	8.64	29.16	0
11/24/20 11:01	11.64	152.8	8.5	9.05	29.16	0
11/24/20 11:15	7.661	166	9.96	9.24	29.16	0
11/24/20 11:33	7.652	159.1	15.59	8.97	29.16	0
11/24/20 11:49	8.09	146.6	12.77	9.33	29.12	0
11/24/20 12:04	9.75	154.4	9.23	9.93	29.12	0
11/24/20 12:28	11.44	163.5	10.32	10.13	29.12	0
11/24/20 12:36	13.53	169.9	12.88	10.33	29.12	0
11/24/20 12:55	18.05	181.1	10.23	10.24	29.09	0
11/24/20 13:14	16.18	181.1	11.44	10.07	29.09	0
11/24/20 13:17	17.43	178.2	10.5	10.27	29.09	0
11/24/20 13:37	18.72	178	10.09	10.15	29.09	0
11/24/20 13:56	18.09	178.7	10.02	10.08	29.03	0
11/24/20 14:01	17.09	175.7	9.33	10.02	29.03	0
11/24/20 14:19	16.12	183.2	9.44	10.01	29.03	0
11/24/20 14:44	12.77	185.7	11.66	9.8	29.03	0
11/24/20 14:51	12.79	187.6	8.57	9.43	29.02	0.01
11/24/20 15:03	11.03	180.9	10.22	8.97	29.02	0.03
11/24/20 15:23	10.78	171.7	12.58	8.68	29.02	0.02
11/24/20 15:41	14.34	185.3	32.31	8.34	29.02	0.04
11/24/20 15:57	19.13	226.9	8.91	7.105	29.03	0.02
11/24/20 16:04	16.4	210.4	8.88	6.554	29.03	0.02
11/24/20 16:17	12.43	200.9	11.23	6.304	29.03	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
11/24/20 16:38	9.22	176	16.66	6.058	29.03	0
11/24/20 16:59	5.655	145.3	17.68	5.81	29.07	0.01
11/24/20 17:05	6.888	161.9	17.31	5.686	29.07	0.01
11/24/20 17:23	7.05	145.9	9.84	5.573	29.07	0
11/24/20 17:40	7.985	154	7.858	5.539	29.07	0.02
11/24/20 17:58	8.31	147.3	9.79	5.446	29.06	0.01
11/24/20 18:14	8.62	148.7	9.82	5.401	29.06	0.01
11/24/20 18:15	9.94	177.7	10.43	5.429	29.06	0.01
11/24/20 18:36	11.24	185.5	11.26	5.37	29.06	0.01
11/24/20 18:48	10.11	187.4	10.37	5.359	29.07	0.01
11/24/20 19:04	10.17	185.4	9.03	5.32	29.07	0.01
11/24/20 19:21	8.57	177.6	8.03	5.279	29.07	0
11/24/20 19:31	5.007	155.5	27.87	5.238	29.07	0
11/24/20 19:57	5.014	171.9	28.21	5.268	29.05	0
11/24/20 20:14	8.8	185.5	10.9	5.413	29.05	0
11/24/20 20:25	8.74	192.3	9.51	5.409	29.05	0
11/24/20 20:40	8.82	202.5	9.29	5.432	29.05	0
11/24/20 20:50	12.97	200.4	8.65	5.545	29.08	0
11/24/20 21:01	10.84	189.6	9.4	5.437	29.08	0
11/24/20 21:16	9.77	193.1	9.55	5.309	29.08	0.01
11/24/20 21:37	8.18	193.7	11.87	5.149	29.08	0.02
11/24/20 21:45	6.507	206.9	11.3	5.153	29.1	0.01
11/24/20 22:10	6.393	211.9	14.34	5.184	29.1	0
11/24/20 22:16	6.686	214.1	12.25	5.16	29.1	0
11/24/20 22:42	6.658	206.5	13.49	5.095	29.1	0
11/24/20 22:53	7.885	194.4	8.95	5.014	29.1	0
11/24/20 23:11	9.79	198.1	7.262	4.993	29.1	0
11/24/20 23:23	9.79	206.8	8.75	5.026	29.1	0
11/24/20 23:38	11.21	207.9	7.484	5.115	29.1	0
11/24/20 23:47	9.04	203.3	8.83	5.194	29.13	0
11/25/20 0:14	8.2	205.1	10.29	5.181	29.13	0
11/25/20 0:27	9.37	206.8	9.25	5.223	29.13	0
11/25/20 0:40	7.628	202	8.88	5.142	29.13	0
11/25/20 0:48	6.83	206.6	7.218	5.061	29.13	0
11/25/20 1:02	7.743	203.5	8.75	5.059	29.13	0.01
11/25/20 1:29	8.17	202.9	7.81	5.049	29.13	0
11/25/20 1:30	7.719	194	10.32	5.149	29.13	0
11/25/20 1:46	4.837	175.4	14.29	5.088	29.12	0
11/25/20 2:01	3.726	155.8	16.26	4.907	29.12	0
11/25/20 2:24	5.393	173.3	15.24	4.983	29.12	0
11/25/20 2:32	6.007	177.4	7.939	4.858	29.12	0.01
11/25/20 2:46	5.651	167.4	10.46	4.732	29.14	0
11/25/20 3:00	3.788	151.2	9.68	4.554	29.14	0.01
11/25/20 3:27	4.14	140.3	11.2	4.473	29.14	0
11/25/20 3:41	4.763	160.9	11.8	4.456	29.14	0.01
11/25/20 3:54	4.585	154.3	10.97	4.428	29.14	0
11/25/20 4:13	5.472	157.6	10.82	4.422	29.14	0.01
11/25/20 4:29	6.686	160.7	14.26	4.44	29.14	0
11/25/20 4:41	8.07	169.2	12.2	4.588	29.14	0
11/25/20 4:55	5.021	159.6	14.42	4.541	29.13	0
11/25/20 5:05	4.815	161.7	14.55	4.56	29.13	0
11/25/20 5:24	4.896	145.4	13.14	4.513	29.13	0
11/25/20 5:33	4.738	144.1	10.85	4.503	29.13	0.01
11/25/20 5:52	4.431	162.8	14.97	4.557	29.15	0.01
11/25/20 6:09	7.126	177.4	9.2	4.572	29.15	0.01
11/25/20 6:29	6.532	172.4	12.07	4.568	29.15	0.01
11/25/20 6:42	7.088	172	10.94	4.612	29.15	0
11/25/20 6:47	8.85	180.4	7.429	4.712	29.18	0.01
11/25/20 7:04	8.16	176.6	8.88	4.796	29.18	0
11/25/20 7:15	6.835	174.5	8.38	4.81	29.18	0
11/25/20 7:43	7.62	177.8	9.18	4.801	29.18	0
11/25/20 7:47	7.404	171.9	13.31	4.811	29.2	0
11/25/20 8:14	4.43	190	31.49	4.754	29.2	0
11/25/20 8:18	5.272	199.8	20.84	4.809	29.2	0
11/25/20 8:43	7.88	173.6	9.77	4.878	29.2	0
11/25/20 8:49	6.862	162.5	13.32	4.93	29.21	0
11/25/20 9:09	5.547	161.4	11.5	4.868	29.21	0
11/25/20 9:19	5.82	148	15.24	4.79	29.21	0
11/25/20 9:36	6.55	176.2	13.13	4.919	29.21	0
11/25/20 9:45	2.446	147.9	16.74	4.972	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
11/25/20 10:01	2.925	130.7	10.9	4.987	29.25	0
11/25/20 10:26	2.083	132.7	12.97	5.018	29.25	0
11/25/20 10:42	3.578	168.8	12.03	5.104	29.25	0
11/25/20 10:59	3.859	155.3	10.56	5.275	29.26	0
11/25/20 11:00	3.162	152.8	22.26	5.369	29.26	0
11/25/20 11:21	4.546	169.4	16.35	5.418	29.26	0.01
11/25/20 11:34	4.095	147.7	18.48	5.505	29.26	0
11/25/20 11:49	2.746	133.5	15.78	5.661	29.27	0
11/25/20 12:11	3.169	128.8	17.9	5.829	29.27	0
11/25/20 12:19	3.686	123.6	13.83	5.915	29.27	0
11/25/20 12:32	3.139	121.6	18.06	5.95	29.27	0
11/25/20 12:54	3.808	122.7	10.74	5.96	29.29	0
11/25/20 13:00	4.049	113.2	12.49	5.986	29.29	0
11/25/20 13:17	1.943	111.4	21.11	6.087	29.29	0
11/25/20 13:36	2.081	116.2	16.77	6.175	29.29	0
11/25/20 13:47	3.187	103.2	10.55	6.232	29.3	0
11/25/20 14:09	3.202	98.3	9.38	6.256	29.3	0
11/25/20 14:15	1.91	75.47	10.72	6.23	29.3	0
11/25/20 14:44	3.346	97.2	12.5	6.061	29.3	0
11/25/20 14:54	4.752	103.7	12.91	6.147	29.31	0
11/25/20 15:07	4.905	108.2	10.58	6.103	29.31	0
11/25/20 15:28	4.565	123.6	7.624	6.141	29.31	0
11/25/20 15:30	2.818	161	31.46	6.05	29.31	0
11/25/20 15:49	2.204	149.8	15.31	5.965	29.37	0
11/25/20 16:12	2.434	138	8.34	5.766	29.37	0
11/25/20 16:25	3.433	118.2	6.171	5.725	29.37	0.01
11/25/20 16:34	3.778	101.3	10.44	5.731	29.37	0.02
11/25/20 16:45	2.395	43.97	43.63	5.761	29.35	0
11/25/20 17:14	1.939	34.54	22.23	5.636	29.35	0
11/25/20 17:18	3.172	65.28	5.579	5.648	29.35	0
11/25/20 17:43	2.147	71.69	4.425	5.712	29.35	0
11/25/20 17:48	1.323	86	6.231	5.794	29.4	0
11/25/20 18:04	1.156	78.74	6.725	5.764	29.4	0
11/25/20 18:25	1.529	100.6	13.17	5.754	29.4	0
11/25/20 18:43	2.543	93.2	12.15	5.747	29.4	0
11/25/20 18:56	2.579	97.2	15.67	5.596	29.4	0
11/25/20 19:11	3.361	114.7	9.44	5.543	29.4	0
11/25/20 19:25	3.381	96.7	8.43	5.569	29.4	0
11/25/20 19:33	2.518	112.9	7.422	5.668	29.4	0
11/25/20 19:59	3.093	126.6	6.569	5.783	29.4	0
11/25/20 20:01	3.171	130.7	6.802	5.91	29.4	0
11/25/20 20:24	3.003	131.3	4.242	6.019	29.4	0
11/25/20 20:34	2.059	128.1	4.53	5.818	29.4	0
11/25/20 20:45	1.67	83.1	28.57	5.871	29.45	0
11/25/20 21:14	1.033	38.19	13.48	5.814	29.45	0
11/25/20 21:18	1.098	61.43	6.582	5.724	29.45	0
11/25/20 21:39	2.951	213.7	22.63	5.661	29.45	0.01
11/25/20 21:45	2.137	201.8	17.2	5.564	29.46	0.01
11/25/20 22:11	1.678	129.9	22.99	5.553	29.46	0.01
11/25/20 22:28	2.126	78.9	17.1	5.508	29.46	0
11/25/20 22:39	4.079	98	8.17	5.294	29.46	0
11/25/20 22:54	5.106	127.1	8.49	5.368	29.48	0
11/25/20 23:00	3.639	144.1	10.27	5.398	29.48	0
11/25/20 23:19	3.088	174	14.57	5.505	29.48	0
11/25/20 23:40	4.923	130.6	9.91	5.425	29.48	0
11/25/20 23:47	5.414	128.1	5.849	5.416	29.46	0
11/26/20 0:07	4.648	127.2	6.629	5.471	29.46	0
11/26/20 0:29	3	156.4	17.08	5.539	29.46	0
11/26/20 0:43	4.189	135.2	8.18	5.56	29.46	0
11/26/20 0:46	3.069	141	10.91	5.635	29.5	0
11/26/20 1:00	0.903	147.2	10.01	5.648	29.5	0
11/26/20 1:27	0.64	114.2	51.4	5.658	29.5	0.01
11/26/20 1:43	1.249	354.5	23.84	5.685	29.5	0
11/26/20 1:52	2.26	329.8	10.21	5.65	29.51	0
11/26/20 2:12	3.068	332.9	13.91	5.644	29.51	0
11/26/20 2:15	3.817	336.6	7.877	5.616	29.51	0.01
11/26/20 2:30	1.718	34.49	22.08	5.619	29.51	0
11/26/20 2:52	1.503	146.7	28.69	5.622	29.52	0.01
11/26/20 3:05	2.006	87.2	18.76	5.576	29.52	0
11/26/20 3:23	2.506	120.6	14.89	5.552	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
11/26/20 3:43	2.497	166	10.69	5.511	29.52	0
11/26/20 3:46	3.059	147.2	9.65	5.341	29.53	0
11/26/20 4:00	1.798	91.6	18.27	5.315	29.53	0
11/26/20 4:24	1.863	101.8	18.53	5.347	29.53	0
11/26/20 4:37	1.196	134.9	19.31	5.303	29.53	0
11/26/20 4:47	1.286	146.6	17.77	5.291	29.53	0
11/26/20 5:13	4.462	168.5	9.94	5.343	29.53	0
11/26/20 5:27	6.356	146.8	7.302	5.245	29.53	0.01
11/26/20 5:34	4.503	140	12.92	5.206	29.53	0.01
11/26/20 5:45	3.112	150.1	16.44	5.212	29.54	0
11/26/20 6:05	2.98	130.1	14.38	5.178	29.54	0
11/26/20 6:28	3.371	155.2	17.57	5.201	29.54	0
11/26/20 6:39	4.062	158.2	12.09	5.252	29.54	0
11/26/20 6:47	2.959	132.1	12.65	5.247	29.54	0
11/26/20 7:14	2.203	128.5	19.6	5.263	29.54	0
11/26/20 7:15	1.009	112.1	21.51	5.275	29.54	0
11/26/20 7:37	1.573	127.3	18.94	5.331	29.54	0
11/26/20 7:47	1.591	129.1	31.63	5.38	29.57	0
11/26/20 8:05	1.882	101.7	11.56	5.403	29.57	0
11/26/20 8:29	1.61	106.8	15.01	5.471	29.57	0
11/26/20 8:36	4.059	125.7	12.87	5.533	29.57	0.01
11/26/20 8:57	4.236	132.1	9.74	5.689	29.59	0
11/26/20 9:00	5.128	131.4	8.57	5.708	29.59	0
11/26/20 9:19	4.996	132.9	7.973	5.764	29.59	0
11/26/20 9:37	5.263	152.9	16.87	5.891	29.59	0
11/26/20 9:52	4.488	151.6	26.61	5.989	29.58	0
11/26/20 10:09	6.01	162.3	17.7	5.993	29.58	0
11/26/20 10:17	5.587	154.9	13.75	6.149	29.58	0
11/26/20 10:35	4.934	145	12.81	6.291	29.58	0
11/26/20 10:50	6.414	162.6	18.52	6.473	29.61	0
11/26/20 11:01	5.866	176	9.26	6.711	29.61	0
11/26/20 11:24	5.065	147.9	13.68	6.968	29.61	0
11/26/20 11:34	5.918	163.1	16.19	7.025	29.61	0
11/26/20 11:46	7.247	149.6	8.56	7.159	29.6	0
11/26/20 12:06	7.445	142.3	11.04	7.451	29.6	0
11/26/20 12:23	7.098	140.1	9.48	7.228	29.6	0
11/26/20 12:40	7.879	142.6	10.33	7.226	29.6	0
11/26/20 12:46	8.17	148.1	8.68	7.62	29.58	0
11/26/20 13:06	6.142	147	8.71	7.616	29.58	0
11/26/20 13:28	5.745	152.1	15.28	7.616	29.58	0
11/26/20 13:40	7.232	177.9	7.116	7.651	29.58	0
11/26/20 13:58	8.98	190.6	10.06	7.826	29.57	0
11/26/20 14:07	8.11	182.7	9.77	7.899	29.57	0
11/26/20 14:20	6.845	175.6	9.03	8.05	29.57	0
11/26/20 14:41	7.072	154.2	12.74	8.06	29.57	0
11/26/20 14:54	6.621	142.1	8.04	7.993	29.56	0
11/26/20 15:14	6.327	142.1	7.617	7.876	29.56	0
11/26/20 15:24	6.65	146.5	7.994	7.762	29.56	0
11/26/20 15:30	6.353	161.9	10.12	7.792	29.56	0
11/26/20 15:46	5.293	163.2	11.05	7.83	29.56	0
11/26/20 16:13	2.236	135.3	11.45	7.478	29.56	0
11/26/20 16:27	4.421	138.2	26.39	7.422	29.56	0
11/26/20 16:35	8.8	206.9	9.28	7.454	29.56	0
11/26/20 16:48	5.288	190.1	11.62	7.069	29.58	0
11/26/20 17:10	3.513	157.7	8.52	6.953	29.58	0
11/26/20 17:15	1.984	137.2	16.71	6.792	29.58	0
11/26/20 17:36	3.191	125.7	6.351	6.651	29.58	0
11/26/20 17:54	5.439	136.8	9.7	6.858	29.57	0
11/26/20 18:14	6.314	146.2	7.803	6.951	29.57	0
11/26/20 18:19	6.29	155.7	10.12	7.038	29.57	0
11/26/20 18:36	5.999	150.6	8.34	7.016	29.57	0
11/26/20 18:49	5.718	145.4	8.19	6.988	29.55	0
11/26/20 19:11	5.764	138.9	6.102	6.996	29.55	0
11/26/20 19:24	7.118	140.5	5.187	7.024	29.55	0
11/26/20 19:34	6.328	136	7.926	7.029	29.55	0
11/26/20 19:50	6.881	141.3	6.273	7.023	29.56	0
11/26/20 20:06	6.768	135.2	7.552	6.909	29.56	0
11/26/20 20:16	6.51	134.1	8.57	6.813	29.56	0
11/26/20 20:30	6.108	139.8	10.11	6.806	29.56	0
11/26/20 20:56	6.7	150.6	7.451	6.842	29.55	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/26/20 21:08	6.318	140	8.37	6.714	29.55	0
11/26/20 21:17	5.529	134.9	7.139	6.593	29.55	0
11/26/20 21:38	5.166	139	8.06	6.601	29.55	0
11/26/20 21:52	5.411	136.4	7.939	6.63	29.54	0
11/26/20 22:11	5.13	144.4	7.677	6.651	29.54	0
11/26/20 22:28	5.98	151.6	9.57	6.685	29.54	0
11/26/20 22:41	8.18	171.5	7.943	6.949	29.54	0
11/26/20 22:45	7.277	161.4	12.59	6.801	29.56	0
11/26/20 23:00	7.461	149.2	7.642	6.75	29.56	0
11/26/20 23:29	6.96	148.6	7.141	6.75	29.56	0
11/26/20 23:44	7.051	146.9	7.151	6.684	29.56	0
11/26/20 23:56	7.918	152.5	8.61	6.599	29.53	0
11/27/20 0:07	7.945	151.9	7.081	6.456	29.53	0
11/27/20 0:18	6.634	146.6	7.493	6.386	29.53	0
11/27/20 0:40	6.044	149.6	7.785	6.632	29.53	0
11/27/20 0:51	6.319	147.7	6.015	6.605	29.54	0
11/27/20 1:03	6.058	138.5	7.423	6.528	29.54	0
11/27/20 1:16	6.681	139.3	6.181	6.487	29.54	0
11/27/20 1:35	5.882	148.4	7.939	6.571	29.54	0
11/27/20 1:55	6.093	140	10.26	6.463	29.52	0
11/27/20 2:02	6.406	128.7	6.725	6.585	29.52	0
11/27/20 2:29	6.152	129	6.854	6.815	29.52	0
11/27/20 2:43	6.928	129.5	6.337	6.968	29.52	0
11/27/20 2:55	5.914	138.6	7.949	7.155	29.51	0
11/27/20 3:00	5.191	183.8	15.65	6.859	29.51	0
11/27/20 3:20	5.392	194.3	7.124	6.066	29.51	0
11/27/20 3:43	6.767	188.8	7.961	6.089	29.51	0
11/27/20 3:50	7.681	195.6	9.73	5.925	29.5	0
11/27/20 4:01	6.946	205.9	7.159	5.808	29.5	0
11/27/20 4:25	7.103	199.4	5.416	5.694	29.5	0
11/27/20 4:31	7.075	192.2	7.071	5.662	29.5	0
11/27/20 4:45	5.604	187.7	7.944	5.832	29.46	0
11/27/20 5:09	6.06	188.6	10.99	5.757	29.46	0
11/27/20 5:17	5.858	190.5	10.9	5.856	29.46	0
11/27/20 5:42	4.593	192.5	12.54	5.941	29.46	0
11/27/20 5:54	4.839	197.9	21.03	6	29.48	0
11/27/20 6:07	5	182.7	15.28	6.039	29.48	0
11/27/20 6:29	5.185	198.7	7.508	6.037	29.48	0
11/27/20 6:41	6.261	195	7.761	6.046	29.48	0
11/27/20 6:59	6.608	185.1	7.577	5.965	29.46	0
11/27/20 7:05	7.033	173.7	9.47	6.109	29.46	0
11/27/20 7:15	7.186	182.5	8.77	6.26	29.46	0
11/27/20 7:42	8.29	166	7.879	6.247	29.46	0
11/27/20 7:57	10.27	150.4	6.275	6.391	29.47	0
11/27/20 8:00	6.775	154	11.29	6.594	29.47	0
11/27/20 8:22	4.949	178.4	13.73	6.801	29.47	0
11/27/20 8:37	6.709	162.2	11.09	6.816	29.47	0
11/27/20 8:49	6.406	167.7	12.84	6.76	29.44	0
11/27/20 9:06	7.581	158	10.12	6.703	29.44	0
11/27/20 9:24	7.897	143.7	9.71	7.642	29.44	0
11/27/20 9:31	7.759	134.9	11.16	8.47	29.44	0
11/27/20 9:46	5.173	165.9	24.38	9.19	29.44	0
11/27/20 10:07	3.76	196.8	24.72	9.04	29.44	0
11/27/20 10:15	2.857	201.1	25.14	8.76	29.44	0
11/27/20 10:33	2.514	226.9	17.53	8.69	29.44	0
11/27/20 10:58	3.125	213	10.31	8.89	29.43	0
11/27/20 11:10	4.456	223.6	10.36	8.97	29.43	0
11/27/20 11:17	4.28	222.7	10.16	9.04	29.43	0
11/27/20 11:43	3.717	222.6	13.11	9.22	29.43	0
11/27/20 11:54	4.432	243.7	12.84	9.18	29.42	0
11/27/20 12:08	4.286	219.9	13.84	9.5	29.42	0
11/27/20 12:28	4.685	207.3	14.32	9.97	29.42	0
11/27/20 12:44	4.887	203.8	11.64	10.24	29.42	0
11/27/20 12:59	4.698	209.2	12.18	10.26	29.39	0
11/27/20 13:10	7.477	193.9	9.66	10.53	29.39	0
11/27/20 13:21	6.767	188.6	9	10.62	29.39	0
11/27/20 13:32	6.48	194.8	10.08	10.66	29.39	0
11/27/20 13:57	6.051	200.1	13.81	10.91	29.37	0
11/27/20 14:13	6.066	200.4	12.15	10.87	29.37	0
11/27/20 14:15	5.948	216.6	13.27	11.01	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
11/27/20 14:30	5.252	217	13.87	10.99	29.37	0
11/27/20 14:49	5.254	220.7	9.71	10.83	29.35	0
11/27/20 15:00	5.389	231	9.75	10.54	29.35	0
11/27/20 15:28	5.353	225.1	7.047	10.37	29.35	0
11/27/20 15:41	5.854	231.8	5.885	9.97	29.35	0
11/27/20 15:53	5.504	241.5	13.47	9.55	29.32	0
11/27/20 16:14	6.108	264.9	3.356	8.59	29.32	0
11/27/20 16:23	6.812	265.3	3.43	8.24	29.32	0
11/27/20 16:32	5.461	263.5	5.53	8.15	29.32	0
11/27/20 16:45	2.483	266.4	53.35	8.05	29.31	0
11/27/20 17:11	2.268	116.4	31.22	7.824	29.31	0
11/27/20 17:29	3.156	153.4	10.01	7.984	29.31	0
11/27/20 17:39	4.288	168	8.17	8	29.31	0
11/27/20 17:50	2.695	143.3	17.52	7.386	29.32	0
11/27/20 18:11	2.11	166.4	28.6	7.316	29.32	0
11/27/20 18:26	3.522	140.4	10.05	6.956	29.32	0
11/27/20 18:30	3.335	150.6	13.94	6.394	29.32	0
11/27/20 18:51	2.13	150.9	27.29	6.379	29.29	0
11/27/20 19:13	2.928	141.1	10.79	6.49	29.29	0
11/27/20 19:26	4.989	130.6	6.516	6.476	29.29	0
11/27/20 19:40	6.217	125.6	5.607	6.393	29.29	0
11/27/20 19:46	6.02	125.4	6.553	6.413	29.31	0
11/27/20 20:14	5.889	127.4	7.805	6.434	29.31	0
11/27/20 20:16	5.109	131.6	8.19	6.423	29.31	0
11/27/20 20:43	5.22	121.8	8.17	6.238	29.31	0
11/27/20 20:48	5.102	121	17.01	6.028	29.31	0
11/27/20 21:04	5.283	137.2	13.05	6.284	29.31	0
11/27/20 21:25	7.161	130.4	23.51	6.826	29.31	0
11/27/20 21:30	4.05	167.1	37.91	7.128	29.31	0
11/27/20 21:54	4.326	177.1	34.11	7.776	29.34	0
11/27/20 22:14	4.548	187.8	11.39	7.69	29.34	0
11/27/20 22:26	7.313	208.4	16.32	7.953	29.34	0
11/27/20 22:33	9.8	200.4	11.87	7.674	29.34	0
11/27/20 22:51	6.96	174.9	11.93	6.959	29.33	0
11/27/20 23:03	7.161	168.8	11.69	7.014	29.33	0
11/27/20 23:20	5.084	150	20.55	6.798	29.33	0
11/27/20 23:39	7.403	139.4	11.31	6.637	29.33	0.01
11/27/20 23:50	8.14	143.1	9.11	6.53	29.37	0
11/28/20 0:00	3.435	106	30.83	6.458	29.37	0
11/28/20 0:18	2.852	55.9	19.07	6.323	29.37	0
11/28/20 0:43	3.677	106.7	15.08	6.041	29.37	0.04
11/28/20 0:57	2.56	98	16.12	5.814	29.37	0.04
11/28/20 1:06	4.509	86.4	9.82	5.678	29.37	0.02
11/28/20 1:17	3.499	70.3	9.31	5.664	29.37	0.02
11/28/20 1:34	2.106	49.52	11.44	5.733	29.37	0.03
11/28/20 1:48	2.597	39.82	9.03	5.79	29.39	0.02
11/28/20 2:06	2.63	53.98	7.854	5.833	29.39	0.01
11/28/20 2:26	3.482	76.08	8.79	5.896	29.39	0.01
11/28/20 2:34	2.817	90.4	9.21	6.006	29.39	0
11/28/20 2:55	0.575	43.95	5.2	6.078	29.41	0
11/28/20 3:02	0.426	52.98	3.882	6.11	29.41	0.01
11/28/20 3:28	0.307	62.37	3.25	6.126	29.41	0.01
11/28/20 3:34	1.425	7.482	12.6	6.15	29.41	0
11/28/20 3:53	0.915	346	4.869	6.19	29.41	0.01
11/28/20 4:06	0.624	6.8	3.386	6.196	29.41	0.01
11/28/20 4:21	0.442	18.26	1.793	6.221	29.41	0
11/28/20 4:38	0.406	36.33	10.06	6.223	29.41	0.01
11/28/20 4:57	1.395	173.9	32.14	6.254	29.43	0
11/28/20 5:13	2.745	187.6	18.71	6.244	29.43	0
11/28/20 5:18	2.565	182	14.56	6.236	29.43	0.01
11/28/20 5:39	2.646	170	12.07	6.242	29.43	0
11/28/20 5:49	2.95	163.3	12.65	6.251	29.41	0
11/28/20 6:00	1.422	132	15.93	6.218	29.41	0
11/28/20 6:20	1.171	140.8	26.17	6.224	29.41	0
11/28/20 6:43	0.665	74.88	17.17	6.212	29.41	0
11/28/20 6:49	1.269	64.35	9.38	6.185	29.45	0
11/28/20 7:12	1.092	68	17.19	6.209	29.45	0
11/28/20 7:18	0.888	83.7	12.21	6.192	29.45	0
11/28/20 7:44	1.189	175.8	5.227	6.213	29.45	0
11/28/20 7:46	2.44	156.5	20.93	6.201	29.47	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
11/28/20 8:09	2.406	170.8	9.63	6.22	29.47	0
11/28/20 8:25	3.399	165.7	10.39	6.235	29.47	0
11/28/20 8:41	3.423	141.3	23.43	6.265	29.47	0
11/28/20 8:58	3.12	139.8	25.63	6.241	29.51	0
11/28/20 9:12	3.237	158.5	10.39	6.315	29.51	0
11/28/20 9:15	2.764	113.5	28.79	6.391	29.51	0
11/28/20 9:37	2.688	93.4	16.58	6.383	29.51	0
11/28/20 9:59	3.024	134.5	24.23	6.388	29.52	0
11/28/20 10:14	5.084	164.1	19.67	6.447	29.52	0.03
11/28/20 10:21	6.106	174.1	8.47	6.484	29.52	0
11/28/20 10:34	3.042	128.1	25.31	6.642	29.52	0.01
11/28/20 10:58	3.113	113.9	21.42	6.593	29.52	0
11/28/20 11:11	3.186	125.2	16.38	6.744	29.52	0
11/28/20 11:17	3.51	116.4	12.97	6.745	29.52	0
11/28/20 11:32	2.626	114.7	23.41	6.631	29.52	0
11/28/20 11:57	2.687	105	17.15	6.734	29.54	0
11/28/20 12:12	1.045	102.4	12.52	6.781	29.54	0.01
11/28/20 12:15	1.24	98.3	11.64	6.7	29.54	0
11/28/20 12:38	1.973	149.3	31.91	6.733	29.54	0
11/28/20 12:56	2.387	168.4	19.79	6.831	29.54	0
11/28/20 13:15	1.432	74.45	62.47	6.882	29.54	0
11/28/20 13:23	6.336	19.87	10.48	6.523	29.54	0
11/28/20 13:40	5.995	18.33	9.15	6.361	29.54	0
11/28/20 13:49	6.486	13.21	9.81	6.32	29.54	0
11/28/20 14:01	6.277	14.92	8.43	6.282	29.54	0
11/28/20 14:21	4.887	17.29	14.01	6.299	29.54	0
11/28/20 14:33	4.454	15.44	12.47	6.305	29.54	0
11/28/20 14:50	3.592	30.75	9.34	6.327	29.53	0
11/28/20 15:04	3.657	26.7	9.31	6.238	29.53	0
11/28/20 15:17	2.566	22.01	5.953	6.503	29.53	0
11/28/20 15:30	1.837	27.8	12.19	6.661	29.53	0
11/28/20 15:56	2.023	343.1	11.45	6.693	29.54	0
11/28/20 16:13	2.776	320.4	16.5	6.239	29.54	0
11/28/20 16:22	3.865	322.3	11.91	6.091	29.54	0
11/28/20 16:37	3.391	3.288	9.39	5.599	29.54	0
11/28/20 16:51	3.718	358.1	12.79	5.473	29.52	0
11/28/20 17:02	3.253	16.74	7.671	5.221	29.52	0
11/28/20 17:26	3.459	24.41	7.914	5.042	29.52	0
11/28/20 17:42	5.246	19.48	11.08	4.959	29.52	0
11/28/20 17:46	4.793	20.15	6.196	4.598	29.55	0.01
11/28/20 18:02	3.389	37.62	8.44	4.513	29.55	0
11/28/20 18:16	3.001	24.58	5.865	4.819	29.55	0
11/28/20 18:44	3.52	14.45	15.19	4.345	29.55	0
11/28/20 18:53	3.299	21.02	18.17	3.719	29.54	0
11/28/20 19:03	4.532	41.05	8.92	3.979	29.54	0
11/28/20 19:15	3.563	50.16	9	4.334	29.54	0
11/28/20 19:37	1.622	60.55	14.52	3.549	29.54	0
11/28/20 19:47	2.685	131.5	18.71	4.076	29.53	0
11/28/20 20:04	2.381	110.2	25.79	4.052	29.53	0
11/28/20 20:18	2.459	36.87	10.22	3.909	29.53	0
11/28/20 20:41	3.057	19.08	7.324	3.639	29.53	0
11/28/20 20:45	1.106	30.68	5.123	3.611	29.51	0
11/28/20 21:14	2.522	197.1	25.72	3.443	29.51	0
11/28/20 21:22	4.135	175.5	16.04	3.233	29.51	0
11/28/20 21:31	1.902	110.1	25.54	3.205	29.51	0
11/28/20 21:51	2.822	53.1	11.03	2.988	29.51	0
11/28/20 22:05	2.651	24.11	10.22	3.643	29.51	0
11/28/20 22:29	1.266	102.8	34.5	3.331	29.51	0
11/28/20 22:32	2.68	165.9	27.83	2.812	29.51	0
11/28/20 22:49	1.924	229	22.56	2.917	29.52	0
11/28/20 23:00	1.243	305.1	35.58	3.357	29.52	0
11/28/20 23:22	2.248	347.2	12.66	2.94	29.52	0
11/28/20 23:41	3.507	5.846	9.48	2.296	29.52	0
11/28/20 23:47	2.381	344.3	21.24	1.986	29.52	0
11/29/20 0:06	1.086	343.7	25.34	1.916	29.52	0
11/29/20 0:24	2.018	358.5	9.01	2.691	29.52	0
11/29/20 0:42	2.197	350	18.27	3.058	29.52	0
11/29/20 0:46	2.089	1.471	8	3.223	29.5	0
11/29/20 1:11	2.772	1.637	13.48	3.236	29.5	0
11/29/20 1:17	2.555	348.1	12.95	3.406	29.5	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/29/20 1:44	2.508	340	24.8	3.328	29.5	0
11/29/20 1:53	3.516	12.33	13.36	3.163	29.46	0
11/29/20 2:11	3.898	13.46	9.65	3.076	29.46	0
11/29/20 2:28	4.586	12.31	8.39	2.211	29.46	0
11/29/20 2:39	4.536	9.2	12.07	1.865	29.46	0
11/29/20 2:49	4.421	12.01	8.73	2.283	29.45	0
11/29/20 3:14	3.649	21.04	10.43	2.784	29.45	0
11/29/20 3:16	4.168	7.954	9.12	2.481	29.45	0
11/29/20 3:42	3.217	319.1	38.48	2.669	29.45	0
11/29/20 3:56	3.752	313.8	16.76	3.129	29.44	0
11/29/20 4:13	3.812	315.7	15.52	3.068	29.44	0
11/29/20 4:18	3.3	316.8	12.18	3.477	29.44	0
11/29/20 4:30	2.895	356.9	17	3.163	29.44	0
11/29/20 4:49	2.962	336.4	11.91	3.244	29.44	0
11/29/20 5:02	2.683	359.3	13.66	2.882	29.44	0
11/29/20 5:18	2.352	304.5	15.14	3.238	29.44	0
11/29/20 5:42	1.703	341.8	19.64	2.509	29.44	0
11/29/20 5:58	2.238	10.7	8.54	2.537	29.44	0
11/29/20 6:00	3.134	354.9	11.46	2.929	29.44	0
11/29/20 6:29	2.262	17.11	13.68	3.058	29.44	0
11/29/20 6:30	2.328	25.15	13.44	3.043	29.44	0
11/29/20 7:00	1.66	66.39	57.35	3.119	29.43	0
11/29/20 7:00	2.533	84.5	27.39	3.48	29.43	0
11/29/20 7:17	3.046	108.1	30.78	3.642	29.43	0
11/29/20 7:30	2.375	92.9	45.55	3.704	29.43	0
11/29/20 7:45	1.035	50.59	43.52	3.538	29.41	0
11/29/20 8:14	2.033	33.75	28.06	3.669	29.41	0
11/29/20 8:21	4.762	91.3	17.19	4.391	29.41	0
11/29/20 8:32	5.564	76.32	19.04	4.843	29.41	0
11/29/20 8:58	5.081	49.96	24.39	4.282	29.41	0.01
11/29/20 9:10	4.114	64.93	25.37	5.093	29.41	0
11/29/20 9:23	5.17	76.44	16.76	5.463	29.41	0
11/29/20 9:44	5.213	65.48	15.17	5.834	29.41	0
11/29/20 9:47	4.393	78.97	14.33	6.872	29.41	0
11/29/20 10:06	3.761	82.6	23.84	7.182	29.41	0
11/29/20 10:16	3.445	80.3	41.5	7.634	29.41	0
11/29/20 10:30	2.479	17.04	35.87	7.211	29.41	0
11/29/20 10:56	2.328	31.8	45.28	7.301	29.38	0
11/29/20 11:07	2.847	68.02	33.74	7.271	29.38	0
11/29/20 11:27	3.246	45.17	33.2	6.951	29.38	0
11/29/20 11:31	5.044	98	16.2	8.08	29.38	0
11/29/20 11:56	6.047	109.7	14.54	9.53	29.35	0
11/29/20 12:06	3.366	89.7	29.75	9.29	29.35	0
11/29/20 12:20	3.386	89.5	41.43	9.71	29.35	0
11/29/20 12:44	2.572	96	49.23	10.45	29.35	0
11/29/20 12:52	6.146	116.6	16.43	11.17	29.32	0
11/29/20 13:13	6.424	102.1	18.49	11.11	29.32	0
11/29/20 13:26	7.013	113.8	13.78	11.49	29.32	0
11/29/20 13:33	7.784	116.1	16.76	11.87	29.32	0
11/29/20 13:48	8.68	113.8	13.72	11.63	29.3	0
11/29/20 14:14	11.8	123.2	10.91	12.06	29.3	0
11/29/20 14:27	14.43	123.1	10.06	12.14	29.3	0
11/29/20 14:31	13.35	120.4	10.32	12.04	29.3	0
11/29/20 14:48	13.58	117.9	10.66	11.85	29.28	0
11/29/20 15:12	13.75	119.7	12.02	11.68	29.28	0
11/29/20 15:26	12.88	127.6	9.56	11.46	29.28	0
11/29/20 15:36	13.76	125.4	11.71	11.22	29.28	0
11/29/20 15:46	13.55	127.1	10.44	10.77	29.27	0
11/29/20 16:07	13.58	126	10.42	10.56	29.27	0
11/29/20 16:25	13.26	126.9	10.24	10.26	29.27	0
11/29/20 16:43	13.2	123.8	11.45	10.06	29.27	0
11/29/20 16:57	13.29	123.3	10.25	9.79	29.25	0
11/29/20 17:03	14.09	127.3	13.42	9.7	29.25	0
11/29/20 17:25	13.31	132	10.84	9.63	29.25	0
11/29/20 17:37	13.89	130.2	11.16	9.62	29.25	0
11/29/20 17:49	17.27	128.6	10.72	9.57	29.22	0
11/29/20 18:03	17.07	132	9.31	9.36	29.22	0
11/29/20 18:15	15.4	134	10.54	9.29	29.22	0
11/29/20 18:34	13.52	139.2	12.66	9.19	29.22	0
11/29/20 18:48	12.42	140.5	12.66	9.17	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
11/29/20 19:05	12.39	137.7	13.66	9.2	29.22	0
11/29/20 19:28	12.7	136	10.7	9.13	29.22	0
11/29/20 19:35	12.59	135.6	10.82	9.11	29.22	0
11/29/20 19:52	12.48	134.4	10.74	8.98	29.2	0
11/29/20 20:13	12.98	134.7	11.87	9.08	29.2	0
11/29/20 20:15	13.74	139.2	11.56	9.13	29.2	0
11/29/20 20:37	12.1	144.9	12.23	8.82	29.2	0
11/29/20 20:55	12.74	134.7	11.52	8.94	29.18	0
11/29/20 21:07	12.37	137.7	12.43	8.92	29.18	0
11/29/20 21:16	8.77	113.6	15.3	8.37	29.18	0
11/29/20 21:33	9.19	113	15.16	8.13	29.18	0
11/29/20 21:45	11.73	139	15.68	8.64	29.16	0
11/29/20 22:03	12.07	148.8	11.09	8.63	29.16	0
11/29/20 22:17	9.6	142.1	12.93	8.63	29.16	0
11/29/20 22:33	8.81	175.3	17.79	8.41	29.16	0
11/29/20 22:58	10.53	162.5	15.69	8.35	29.14	0
11/29/20 23:07	11.43	144.1	11.15	8.41	29.14	0
11/29/20 23:22	10.47	144.3	12.39	8.71	29.14	0
11/29/20 23:40	10.34	154	12.02	8.56	29.14	0
11/29/20 23:46	10.27	158.9	15.28	8.39	29.12	0
11/30/20 0:02	10.23	181.1	15.69	8.06	29.12	0
11/30/20 0:27	9.44	188.7	14.23	7.786	29.12	0
11/30/20 0:31	8.55	204.9	8.3	7.357	29.12	0
11/30/20 0:45	6.909	188.3	11.61	6.784	29.08	0
11/30/20 1:08	8.57	174.5	20.26	7.287	29.08	0
11/30/20 1:18	8.97	228.6	21.3	6.725	29.08	0
11/30/20 1:43	6.922	192.3	46.93	6.374	29.08	0
11/30/20 1:57	10.39	132.1	15.86	7.019	29.03	0
11/30/20 2:00	12.62	146.3	13	7.626	29.03	0
11/30/20 2:22	12.89	132.5	10.39	7.826	29.03	0
11/30/20 2:42	15.98	131.3	9.1	8.19	29.03	0
11/30/20 2:52	18.12	129.2	9.01	7.792	29.01	0
11/30/20 3:04	12.07	149.5	16.33	7.323	29.01	0.02
11/30/20 3:29	11.36	205.3	59.93	6.146	29.01	0.02
11/30/20 3:30	4.674	252.6	18	5.523	29.01	0.02
11/30/20 3:59	4.263	161.2	25.23	5.792	29.02	0.05
11/30/20 4:05	5.434	123.1	20.82	5.531	29.02	0.03
11/30/20 4:29	8.98	132.3	10.17	5.444	29.02	0.03
11/30/20 4:38	11.51	151.3	8.95	5.948	29.02	0.03
11/30/20 4:56	15.44	159.8	8.08	6.161	29.08	0.02
11/30/20 5:13	19.05	168.5	9.89	6.601	29.08	0.01
11/30/20 5:20	19.14	160.8	8.59	6.608	29.08	0.02
11/30/20 5:31	17.49	161.5	6.844	6.629	29.08	0
11/30/20 5:45	14.24	163.7	9.37	6.631	29.04	0.01
11/30/20 6:08	14.34	161.7	10.55	6.553	29.04	0
11/30/20 6:18	13.06	175.2	9.49	6.549	29.04	0.01
11/30/20 6:42	13.31	174.2	9.31	6.48	29.04	0.01
11/30/20 6:52	16.88	169.7	9.68	6.546	29.09	0.02
11/30/20 7:00	16.73	187.5	9.35	6.601	29.09	0.03
11/30/20 7:28	16.38	180.2	11.19	6.427	29.09	0.01
11/30/20 7:44	20.41	184.3	9.56	6.387	29.09	0
11/30/20 7:45	16.1	186.5	11.84	6.584	29.1	0
11/30/20 8:10	18.77	200.5	10.95	6.806	29.1	0
11/30/20 8:28	19.31	207	8.71	6.939	29.1	0
11/30/20 8:32	19.51	208.3	9.63	6.974	29.1	0
11/30/20 8:46	17.02	204.4	10.86	6.947	29.19	0
11/30/20 9:02	16.51	211.7	9.35	6.996	29.19	0
11/30/20 9:16	15.97	204.2	11.34	7.064	29.19	0
11/30/20 9:41	12.65	194.3	12.02	7.095	29.19	0
11/30/20 9:46	15.94	197.8	9.2	7.188	29.23	0
11/30/20 10:11	12.57	193.1	11.62	7.306	29.23	0
11/30/20 10:27	13.45	193.6	12.29	7.333	29.23	0
11/30/20 10:30	15.41	199.7	10.1	7.367	29.23	0
11/30/20 10:46	15.99	207.2	9.54	7.443	29.28	0
11/30/20 11:01	13.05	201.6	9.53	7.917	29.28	0
11/30/20 11:17	11.94	198.8	11.17	8.07	29.28	0
11/30/20 11:30	14.02	197.9	10.57	8.09	29.28	0
11/30/20 11:54	14.95	225.2	10.17	8.22	29.33	0
11/30/20 12:13	14.05	212.9	16.9	8.26	29.33	0
11/30/20 12:29	14.29	208.8	15.1	8.14	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
11/30/20 12:36	14.08	198.7	9.67	8.07	29.33	0
11/30/20 12:47	12.4	201.9	10.02	8.18	29.37	0
11/30/20 13:11	11.65	213.2	14.77	8.52	29.37	0
11/30/20 13:29	13.23	217.4	11.89	8.61	29.37	0
11/30/20 13:35	17.25	223.1	13.72	8.71	29.37	0
11/30/20 13:51	17.96	235.8	10.56	8.66	29.4	0
11/30/20 14:00	15.43	233.1	14.07	8.6	29.4	0
11/30/20 14:23	14.29	220.3	11.43	8.59	29.4	0
11/30/20 14:42	12.54	224.6	12.77	8.63	29.4	0
11/30/20 14:45	11.18	206.9	11.52	8.67	29.45	0
11/30/20 15:00	10.26	210.5	14.47	8.57	29.45	0
11/30/20 15:26	8.26	208.1	14.72	8.52	29.45	0
11/30/20 15:33	9.42	210.8	10.88	8.31	29.45	0
11/30/20 15:46	8.34	206.3	15.97	7.963	29.46	0
11/30/20 16:14	5.727	182.3	14.15	7.593	29.46	0
11/30/20 16:19	6.572	186.1	13.05	7.28	29.46	0
11/30/20 16:30	5.47	184.2	13.1	7.1	29.46	0
11/30/20 16:46	3.553	142.1	25.59	6.791	29.51	0
11/30/20 17:05	5.089	145.1	16.69	6.339	29.51	0
11/30/20 17:25	4.685	175.1	11.87	6.349	29.51	0
11/30/20 17:34	4.408	167.3	8.49	5.937	29.51	0
11/30/20 17:59	2.466	151.2	15.05	5.825	29.51	0
11/30/20 18:03	4.994	144.4	9.44	5.277	29.51	0
11/30/20 18:25	6.963	141.5	7.302	5.335	29.51	0
11/30/20 18:36	5.725	122.6	7.448	5.182	29.51	0
11/30/20 18:47	5.583	122.6	12.6	4.955	29.56	0
11/30/20 19:05	5.39	126.6	11.17	5.163	29.56	0
11/30/20 19:27	6.185	139.2	7.272	5.127	29.56	0
11/30/20 19:39	6.018	139	7.054	5.264	29.56	0
11/30/20 19:47	6.404	146.2	8.13	5.535	29.59	0
11/30/20 20:11	5.328	140.6	8.81	5.419	29.59	0
11/30/20 20:16	3.017	100	22.12	5.111	29.59	0
11/30/20 20:44	3.721	96.5	10.32	4.938	29.59	0
11/30/20 20:50	4.524	104.5	13.25	5.019	29.61	0
11/30/20 21:13	3.782	98.7	8.22	5.087	29.61	0
11/30/20 21:20	4.832	98.3	9.58	5.16	29.61	0
11/30/20 21:38	4.444	109.7	11.14	5.17	29.61	0
11/30/20 21:47	3.897	104	10.44	5.252	29.63	0
11/30/20 22:14	4.495	113.8	7.231	5.106	29.63	0
11/30/20 22:16	4.117	100.5	6.827	4.939	29.63	0
11/30/20 22:30	3.818	90.5	14.12	4.694	29.63	0
11/30/20 22:45	3.672	89.8	11.43	4.587	29.65	0
11/30/20 23:13	3.808	93.1	14.26	4.697	29.65	0
11/30/20 23:24	3.905	110.4	8.25	4.562	29.65	0
11/30/20 23:32	4.683	111.3	11.23	4.424	29.65	0
11/30/20 23:49	3.435	104.2	5.897	4.239	29.66	0
12/1/20 0:04	3.523	101.7	11.18	4.374	29.66	0
12/1/20 0:25	3.47	89.5	8.6	3.783	29.66	0
12/1/20 0:35	4.068	90	19.48	3.636	29.66	0
12/1/20 0:56	4.142	97.8	11.17	3.956	29.68	0
12/1/20 1:00	2.705	57.81	46.4	4.04	29.68	0
12/1/20 1:24	2.058	31.67	12.22	4.721	29.68	0
12/1/20 1:31	1.12	102.4	29.84	5.193	29.68	0
12/1/20 1:59	1.058	15.33	11.01	4.832	29.7	0
12/1/20 2:09	1.645	45.84	11.25	4.474	29.7	0
12/1/20 2:18	0.784	104.7	35.53	5.097	29.7	0
12/1/20 2:44	1.474	63.39	4.995	5.088	29.7	0
12/1/20 2:49	2.818	72.85	20.76	4.286	29.73	0
12/1/20 3:13	3.481	33.82	10.3	4.616	29.73	0
12/1/20 3:15	2.286	26.97	14.83	4.497	29.73	0
12/1/20 3:33	1.812	72.92	15.2	4.306	29.73	0
12/1/20 3:53	2.917	9.04	18.53	4.302	29.73	0
12/1/20 4:09	3.105	8.98	9.39	4.049	29.73	0
12/1/20 4:29	2.828	4.311	11.18	3.335	29.73	0
12/1/20 4:35	2.494	20.18	9.69	3.113	29.73	0
12/1/20 4:58	3.317	3.28	16.35	2.714	29.74	0
12/1/20 5:05	4.707	344.1	11.48	2.493	29.74	0
12/1/20 5:24	5.834	349.8	11.9	2.357	29.74	0
12/1/20 5:38	5.864	1.31	12.17	2.405	29.74	0
12/1/20 5:49	4.687	356.1	13.38	2.422	29.73	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/1/20 6:14	4.968	4.188	10.23	2.196	29.73	0
12/1/20 6:15	6.035	9.53	7.579	1.993	29.73	0
12/1/20 6:31	3.491	46.42	27.43	1.74	29.73	0
12/1/20 6:52	3.45	72.2	18.68	1.644	29.73	0
12/1/20 7:02	3.953	143.8	18.64	1.872	29.73	0
12/1/20 7:16	2.363	121.4	32.66	2.256	29.73	0
12/1/20 7:32	0.726	24.94	25.9	1.908	29.73	0
12/1/20 7:59	2.266	308.9	44.84	1.844	29.75	0
12/1/20 8:01	2.364	235.2	51.33	1.917	29.75	0
12/1/20 8:15	1.054	262.4	71.7	2.264	29.75	0
12/1/20 8:31	1.721	10.11	10.54	3.238	29.75	0
12/1/20 8:47	1.694	32.79	31.37	3.397	29.76	0
12/1/20 9:08	0.907	42.33	11.49	3.421	29.76	0
12/1/20 9:25	1.412	85.6	19.01	3.259	29.76	0
12/1/20 9:39	2.257	12.63	18.35	2.969	29.76	0
12/1/20 9:53	3.725	17.42	10.32	2.426	29.76	0
12/1/20 10:11	3.755	4.671	16.18	3.115	29.76	0
12/1/20 10:18	4.538	8.26	11.49	3.494	29.76	0
12/1/20 10:39	3.811	3.103	18.39	4.157	29.76	0
12/1/20 10:53	7.824	358.8	18.5	5.358	29.76	0
12/1/20 11:10	8.03	350.4	20.24	6.278	29.76	0
12/1/20 11:18	6.91	359.9	21.29	6.495	29.76	0
12/1/20 11:33	6.882	14.36	11.15	6.134	29.76	0
12/1/20 11:54	7.411	12.66	8.89	6.081	29.74	0
12/1/20 12:12	8.48	11.21	9.76	6.178	29.74	0
12/1/20 12:25	9.36	14.82	12.09	6.456	29.74	0
12/1/20 12:35	10.87	5.394	11.94	6.894	29.74	0
12/1/20 12:58	11.59	4.593	13.41	7.039	29.72	0
12/1/20 13:04	11.56	8.33	10.48	7.061	29.72	0
12/1/20 13:15	9.92	357.9	14.76	7.376	29.72	0
12/1/20 13:35	10.55	0.247	14.15	7.4	29.72	0
12/1/20 13:58	10.78	1.842	13.51	7.282	29.68	0
12/1/20 14:00	10.09	359.6	14.58	7.385	29.68	0
12/1/20 14:25	10.9	1.926	12.79	7.368	29.68	0
12/1/20 14:41	10.76	2.228	13.52	7.316	29.68	0
12/1/20 14:46	11.95	0.584	14.88	7.187	29.65	0
12/1/20 15:03	14.23	358.2	15.05	6.991	29.65	0
12/1/20 15:15	14.24	359.3	15.41	6.869	29.65	0
12/1/20 15:34	13.35	0.37	14.32	6.627	29.65	0
12/1/20 15:45	12.4	9.23	12.89	6.465	29.64	0
12/1/20 16:11	11.23	8.25	14.44	6.131	29.64	0
12/1/20 16:19	11.77	0.841	14.44	5.984	29.64	0
12/1/20 16:43	14.42	6.011	13.22	5.835	29.64	0
12/1/20 16:55	12.57	2.915	13.71	5.825	29.64	0
12/1/20 17:11	10.62	8.81	12.74	5.531	29.64	0
12/1/20 17:27	14.78	5.473	13.03	5.64	29.64	0
12/1/20 17:30	13.74	10.74	14.48	5.621	29.64	0
12/1/20 17:58	12.35	10.47	13.67	5.455	29.62	0
12/1/20 18:05	13.26	11.27	12.27	5.339	29.62	0
12/1/20 18:28	13.98	6.27	13.47	5.346	29.62	0
12/1/20 18:39	13.86	3.644	13.95	5.382	29.62	0
12/1/20 18:55	12.89	6.806	11.85	5.434	29.61	0
12/1/20 19:11	11.17	9.78	12.98	5.137	29.61	0
12/1/20 19:16	12.29	7.218	12	5.046	29.61	0
12/1/20 19:33	11.82	7.499	13.53	4.921	29.61	0
12/1/20 19:58	13.57	9.01	10.98	4.985	29.6	0
12/1/20 20:05	11.72	9.34	12.99	4.834	29.6	0
12/1/20 20:20	11	10.96	11.02	4.512	29.6	0
12/1/20 20:31	9.59	9.23	7.604	4.162	29.6	0
12/1/20 20:56	11.29	7.347	9.98	3.813	29.59	0
12/1/20 21:09	11.26	10.96	10.18	3.766	29.59	0
12/1/20 21:24	10.31	13.75	9.72	3.743	29.59	0
12/1/20 21:32	7.755	14.14	10.18	3.55	29.59	0
12/1/20 21:45	4.923	17.7	8.28	3.268	29.58	0
12/1/20 22:03	4.691	12.18	14.26	2.765	29.58	0
12/1/20 22:27	4.101	17.63	15.18	2.685	29.58	0
12/1/20 22:31	3.932	11.7	36.86	2.552	29.58	0
12/1/20 22:59	6.143	19.66	7.021	2.502	29.57	0
12/1/20 23:08	7.242	15.67	11.15	2.569	29.57	0
12/1/20 23:16	6.823	17.85	8.78	2.423	29.57	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/1/20 23:38	5.168	16.7	15.38	2.449	29.57	0
12/1/20 23:52	5.508	17.56	12.02	2.613	29.55	0
12/2/20 0:14	6.957	23.66	8.36	2.419	29.55	0
12/2/20 0:18	6.198	354.9	16.74	2.37	29.55	0
12/2/20 0:43	5.398	355.9	13.28	2.933	29.55	0
12/2/20 1:00	6.273	7.093	13.66	3.172	29.49	0
12/2/20 1:04	7.225	12.56	11.16	2.775	29.49	0
12/2/20 1:22	6.311	5.845	20.71	2.436	29.49	0
12/2/20 1:42	5.78	29.76	15.36	2.59	29.49	0
12/2/20 1:58	6.01	31.03	13.06	2.439	29.48	0
12/2/20 2:05	7.325	14.5	12.5	1.872	29.48	0
12/2/20 2:17	6.052	2.225	15.33	2.555	29.48	0
12/2/20 2:41	5.561	4.709	13.73	3.238	29.48	0
12/2/20 2:59	6.133	8.27	10.52	3.341	29.48	0
12/2/20 3:05	5.353	12.52	11.38	3.447	29.48	0
12/2/20 3:28	4.644	15.69	14.39	3.976	29.48	0
12/2/20 3:36	5.418	4.415	13.79	3.951	29.48	0
12/2/20 3:47	4.891	5.763	14.49	3.818	29.46	0
12/2/20 4:02	4.797	4.196	15.58	4.5	29.46	0
12/2/20 4:28	5.072	13.76	14.31	4.231	29.46	0
12/2/20 4:42	5.073	3.637	15.31	3.538	29.46	0
12/2/20 4:55	6.721	7.188	9.36	3.095	29.44	0
12/2/20 5:07	5.284	17.39	11.88	4.031	29.44	0
12/2/20 5:18	4.252	26.57	17.55	4.326	29.44	0
12/2/20 5:40	3.3	80.5	34.04	6.044	29.44	0
12/2/20 5:56	3.116	11.9	29.32	4.639	29.43	0
12/2/20 6:00	1.768	232.7	87.9	6.914	29.43	0
12/2/20 6:21	4.537	96.9	28.6	8.23	29.43	0
12/2/20 6:40	6.175	103.1	20.6	8.37	29.43	0
12/2/20 6:52	8.01	120.3	21.06	9.31	29.42	0
12/2/20 7:06	9.1	143.6	8.46	9.09	29.42	0
12/2/20 7:29	8.14	136.8	11.98	9.46	29.42	0
12/2/20 7:30	8.27	135.3	18.37	9.67	29.42	0
12/2/20 7:55	7.668	118.1	13.25	10.2	29.38	0
12/2/20 8:12	8.99	134.5	14.4	10.41	29.38	0
12/2/20 8:22	9.19	133.5	10.68	10.43	29.38	0
12/2/20 8:36	8.95	132.2	9.78	10.67	29.38	0
12/2/20 8:54	8.33	132.4	11.52	11.05	29.39	0
12/2/20 9:13	9.54	132.3	9.2	11.22	29.39	0
12/2/20 9:26	13.66	123.3	10.59	11.15	29.39	0
12/2/20 9:44	12.86	123.7	11.52	11.39	29.39	0
12/2/20 9:46	13.01	131.1	11.43	11.72	29.39	0
12/2/20 10:00	7.359	103.4	31.33	11.67	29.39	0
12/2/20 10:27	7.365	118.7	14.48	12.31	29.39	0
12/2/20 10:33	9.98	115.7	13.63	12.5	29.39	0
12/2/20 10:51	9.13	127.4	12.92	13.05	29.38	0
12/2/20 11:04	8.77	118	15.68	13.31	29.38	0
12/2/20 11:17	5.484	104	24.05	13.07	29.38	0
12/2/20 11:44	10	129.2	13.46	13.77	29.38	0
12/2/20 11:52	13.77	121.9	11.84	13.8	29.36	0
12/2/20 12:13	15.25	126.2	12.44	13.92	29.36	0
12/2/20 12:15	13.48	131.8	9.93	14.17	29.36	0
12/2/20 12:42	13.18	134.5	11.17	14.4	29.36	0
12/2/20 12:55	13.35	137.4	8.82	14.61	29.34	0
12/2/20 13:14	14.07	137.9	9.46	14.66	29.34	0
12/2/20 13:20	15.36	138.6	9.7	14.62	29.34	0
12/2/20 13:43	15.56	139.2	7.848	14.57	29.34	0
12/2/20 13:45	14.94	131.5	10.72	14.5	29.36	0
12/2/20 14:12	15.86	132.5	9.45	14.34	29.36	0
12/2/20 14:26	14.48	131.4	12.03	14.3	29.36	0
12/2/20 14:34	16.41	130.8	10.66	14.19	29.36	0
12/2/20 14:53	15.49	132.1	13.81	13.98	29.35	0
12/2/20 15:06	16.55	134.7	10.32	13.57	29.35	0
12/2/20 15:19	16.64	132.3	11.13	13.34	29.35	0
12/2/20 15:31	16.55	130.9	10.42	13	29.35	0
12/2/20 15:47	17.69	121.2	9.26	12.93	29.36	0
12/2/20 16:01	15.98	129.7	9.56	12.42	29.36	0
12/2/20 16:25	14.73	129.7	9.78	12.07	29.36	0
12/2/20 16:34	14.57	123.3	9.09	11.94	29.36	0
12/2/20 16:59	13.83	122.2	9.74	11.75	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
12/2/20 17:11	16.23	117.7	9.99	11.61	29.35	0
12/2/20 17:23	15.34	118.1	13.03	11.32	29.35	0
12/2/20 17:37	16.21	113.6	11.51	11.21	29.35	0
12/2/20 17:52	12.1	114.4	13.42	10.98	29.35	0
12/2/20 18:12	14.01	113.7	12.46	10.96	29.35	0
12/2/20 18:25	15.28	116.3	12.33	10.76	29.35	0
12/2/20 18:38	16.18	112.2	12.97	10.74	29.35	0
12/2/20 18:59	16.74	112.7	12.58	10.71	29.32	0
12/2/20 19:13	15.17	108.9	13.16	10.62	29.32	0
12/2/20 19:19	15.18	111.8	12.01	10.47	29.32	0
12/2/20 19:39	14.66	110.4	13.98	10.3	29.32	0
12/2/20 19:55	16.77	110.6	12.75	10.31	29.36	0
12/2/20 20:01	13.86	108	13.5	10.08	29.36	0
12/2/20 20:16	14.2	109.8	13.95	9.96	29.36	0
12/2/20 20:40	15.19	112.6	12.43	9.97	29.36	0
12/2/20 20:52	15	112.7	13.09	9.89	29.37	0
12/2/20 21:04	14.66	120	12.52	9.84	29.37	0
12/2/20 21:16	13.22	120.2	13.63	9.86	29.37	0
12/2/20 21:33	12.31	128.7	11.43	9.77	29.37	0
12/2/20 21:55	10.32	130.1	11.46	9.62	29.38	0
12/2/20 22:01	9.55	130.9	13.7	9.44	29.38	0
12/2/20 22:18	9.55	130.5	12.61	9.43	29.38	0
12/2/20 22:37	10.7	131.9	10.66	9.32	29.38	0
12/2/20 22:50	8.81	119.2	13.68	9.19	29.39	0
12/2/20 23:09	9.16	116.5	12.79	9.28	29.39	0
12/2/20 23:24	9.77	116	13.62	9.21	29.39	0
12/2/20 23:37	10.86	114.7	11.61	9.28	29.39	0
12/2/20 23:48	10.72	125.6	11.15	9.15	29.37	0
12/3/20 0:08	10.65	132.5	10.01	8.95	29.37	0
12/3/20 0:25	8.66	134.8	12.12	8.92	29.37	0
12/3/20 0:37	9.73	133.8	13.71	9.08	29.37	0
12/3/20 0:54	9.71	129.5	13.43	8.98	29.37	0
12/3/20 1:11	9.34	127.8	13.16	9.09	29.37	0
12/3/20 1:15	8.11	124.4	12.82	8.96	29.37	0
12/3/20 1:42	8.67	128.7	11.29	8.82	29.37	0
12/3/20 1:53	9.84	122.6	11.87	8.79	29.37	0
12/3/20 2:05	10.17	124.7	9.73	8.71	29.37	0
12/3/20 2:20	13.21	125.1	9.69	8.91	29.37	0
12/3/20 2:43	10.58	122.5	13.76	8.81	29.37	0
12/3/20 2:47	12.77	131	10.37	8.83	29.37	0
12/3/20 3:09	12.1	129.4	11.67	8.87	29.37	0
12/3/20 3:15	10.21	128.2	12.31	8.8	29.37	0
12/3/20 3:38	8.76	144.3	11.45	8.42	29.37	0
12/3/20 3:58	7.404	131	13.96	7.882	29.38	0
12/3/20 4:13	8.04	121.7	10.53	7.709	29.38	0
12/3/20 4:16	9.1	126.8	9.62	7.951	29.38	0
12/3/20 4:33	9.29	119.6	11.39	8.05	29.38	0
12/3/20 4:49	10.22	128.2	10.98	8.39	29.38	0
12/3/20 5:00	9.79	120.1	11.63	8.09	29.38	0
12/3/20 5:15	9.2	135.6	10.5	7.906	29.38	0
12/3/20 5:32	8.58	126.3	11.32	7.826	29.38	0
12/3/20 5:59	7.927	136.5	11.4	7.703	29.36	0
12/3/20 6:07	8.77	133.1	10.22	8.01	29.36	0
12/3/20 6:22	8.37	133.5	10.21	7.742	29.36	0
12/3/20 6:34	9.06	148.3	8.22	7.698	29.36	0
12/3/20 6:54	9.88	143.2	10.08	8.08	29.39	0
12/3/20 7:11	10.25	153.4	11.55	7.961	29.39	0
12/3/20 7:15	9.06	165.6	11.56	7.66	29.39	0
12/3/20 7:39	9.87	168.7	9.73	7.157	29.39	0
12/3/20 7:45	9.73	157.5	6.179	7.408	29.42	0
12/3/20 8:08	11.93	152.9	11.72	7.865	29.42	0
12/3/20 8:19	12.11	150.4	10.03	7.859	29.42	0
12/3/20 8:31	9.5	147.9	9.98	8.19	29.42	0
12/3/20 8:45	8.32	146	11.25	8.2	29.42	0
12/3/20 9:06	7.254	132	15.13	8.88	29.42	0
12/3/20 9:22	6.686	123.7	16.39	8.95	29.42	0
12/3/20 9:44	9.3	149.9	11.66	9.56	29.42	0
12/3/20 9:45	7.321	193	13.71	9.15	29.47	0
12/3/20 10:09	8.37	200.3	6.839	9.02	29.47	0
12/3/20 10:28	8.61	193.5	7.362	9.31	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
12/3/20 10:32	9.1	187.2	8.8	9.21	29.47	0
12/3/20 10:46	6.094	167.2	16.49	9.69	29.49	0
12/3/20 11:14	6.177	174.8	27.14	10.39	29.49	0
12/3/20 11:16	7.362	210.8	8.61	9.68	29.49	0
12/3/20 11:42	6.91	221	10.41	9.49	29.49	0
12/3/20 11:45	6.157	255.8	10.48	9.53	29.46	0
12/3/20 12:05	4.719	268.9	10.05	9.49	29.46	0
12/3/20 12:15	1.87	309.6	26.18	9.69	29.46	0
12/3/20 12:36	3.035	342	12.26	9.74	29.46	0
12/3/20 12:59	1.791	331.7	10.26	9.83	29.48	0
12/3/20 13:04	3.543	351.2	10.22	9.81	29.48	0
12/3/20 13:16	2.145	353.5	9.45	9.74	29.48	0
12/3/20 13:38	2.072	306.4	18.49	9.87	29.48	0
12/3/20 13:51	2.118	18.92	34.44	9.82	29.47	0
12/3/20 14:07	2.12	18.59	13.43	9.18	29.47	0
12/3/20 14:15	1.336	17.78	6.076	9.35	29.47	0
12/3/20 14:44	1.522	61.51	14.83	10.02	29.47	0
12/3/20 14:54	3.819	84.3	18.06	9.97	29.47	0
12/3/20 15:07	2.104	93.5	34.11	9.77	29.47	0
12/3/20 15:29	7.52	210.1	47.19	10.04	29.47	0
12/3/20 15:31	10.62	275.6	9.74	8.85	29.47	0
12/3/20 15:45	8.66	296.8	12.35	8.4	29.52	0
12/3/20 16:00	3.711	334.1	24.33	8.06	29.52	0
12/3/20 16:15	2.112	15.1	49.08	7.97	29.52	0
12/3/20 16:40	2.739	145.5	8.09	7.985	29.52	0
12/3/20 16:58	4.888	182.2	17.32	8.15	29.51	0
12/3/20 17:01	6.512	241.2	14.37	7.776	29.51	0
12/3/20 17:15	3.552	287.2	16.03	7.474	29.51	0
12/3/20 17:40	3.764	294.8	16.14	7.556	29.51	0
12/3/20 17:45	2.678	305.5	8.8	7.712	29.52	0
12/3/20 18:11	2.798	290.6	7.667	7.825	29.52	0
12/3/20 18:26	2.355	350	56.21	7.87	29.52	0
12/3/20 18:44	0.659	99.3	41.9	7.457	29.52	0
12/3/20 18:46	0.834	131.8	43.82	8	29.54	0
12/3/20 19:14	3.443	174.2	9.99	7.712	29.54	0
12/3/20 19:29	6.547	156.9	6.912	7.516	29.54	0
12/3/20 19:30	5.979	144.8	3.905	7.75	29.54	0
12/3/20 19:50	5.293	155.9	8.56	7.773	29.58	0
12/3/20 20:04	5.687	163.6	10.54	8.25	29.58	0
12/3/20 20:16	5.111	162.3	11.83	8.26	29.58	0
12/3/20 20:30	1.885	88.5	28.11	7.671	29.58	0
12/3/20 20:59	2.285	101.6	19.27	7.682	29.6	0
12/3/20 21:11	4.47	130.5	6.104	8.28	29.6	0
12/3/20 21:26	4.17	149.2	10.33	8.73	29.6	0
12/3/20 21:30	2.842	129.7	23.86	8.64	29.6	0
12/3/20 21:59	2.005	126.6	16.22	8.03	29.6	0
12/3/20 22:00	2.918	120.1	19.74	8.76	29.6	0
12/3/20 22:23	2.255	72.3	6.966	8.39	29.6	0
12/3/20 22:35	2.795	104.9	20.11	8.34	29.6	0
12/3/20 22:57	3.466	148.3	6.039	8.79	29.6	0
12/3/20 23:01	3.085	164.5	5.69	9.03	29.6	0
12/3/20 23:17	2.036	140.8	16.6	8.6	29.6	0
12/3/20 23:36	1.759	143.6	10.55	8.18	29.6	0
12/3/20 23:53	0.069	97.8	0.037	7.876	29.6	0
12/4/20 0:14	0.219	45.12	16.77	7.849	29.6	0
12/4/20 0:15	0.413	8.54	0.132	7.519	29.6	0
12/4/20 0:44	1.788	129.3	35.61	7.334	29.6	0
12/4/20 0:59	2.095	186.3	27.14	6.982	29.63	0
12/4/20 1:14	4.154	203.9	8.7	6.345	29.63	0
12/4/20 1:17	4.601	172.3	8.81	6.467	29.63	0
12/4/20 1:35	5.524	155.3	7.573	6.587	29.63	0
12/4/20 1:48	4.319	142.7	5.795	6.536	29.6	0
12/4/20 2:00	2.199	117.2	15.13	6.402	29.6	0
12/4/20 2:29	1.738	131.6	25.24	6.266	29.6	0
12/4/20 2:31	3.685	145.5	14.9	6.725	29.6	0
12/4/20 2:45	0.219	88.1	21.08	6.247	29.63	0
12/4/20 3:03	0.305	57.05	14.82	6.25	29.63	0
12/4/20 3:18	0.292	10.16	0.907	6.444	29.63	0
12/4/20 3:44	0.082	335	2.725	6.599	29.63	0
12/4/20 3:58	0.575	333.5	12.21	6.355	29.62	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/4/20 4:15	2.308	324.2	9.13	5.878	29.62	0
12/4/20 4:15	2.149	350.4	24.82	5.512	29.62	0
12/4/20 4:33	1.337	28.97	1.997	5.316	29.62	0
12/4/20 4:48	1.352	29.35	4.454	5.561	29.61	0
12/4/20 5:11	0.939	23.74	8.52	5.326	29.61	0
12/4/20 5:25	2.985	1.625	27.33	5.258	29.61	0
12/4/20 5:31	3.819	338.8	3.497	6.068	29.61	0
12/4/20 5:45	2.394	359.1	9.82	5.639	29.64	0
12/4/20 6:02	1.608	353	10.71	5.344	29.64	0
12/4/20 6:29	0.806	9.24	23.82	5.149	29.64	0
12/4/20 6:30	1.164	51.37	1.141	5.085	29.64	0
12/4/20 6:59	2.012	68.48	21.51	5.17	29.67	0
12/4/20 7:14	3.689	129.3	14.15	4.964	29.67	0
12/4/20 7:17	4.312	134.4	4.861	4.972	29.67	0
12/4/20 7:40	4.259	142.1	4.434	5.313	29.67	0
12/4/20 7:47	3.842	127.2	12.13	5.11	29.65	0
12/4/20 8:00	2.323	104.1	15.04	5.237	29.65	0
12/4/20 8:17	1.928	125.3	12.2	5.992	29.65	0
12/4/20 8:44	1.209	308.6	1.986	5.618	29.65	0
12/4/20 8:45	1.909	313.9	11.18	6.272	29.63	0
12/4/20 9:01	2.43	339.4	19.11	6.342	29.63	0
12/4/20 9:25	3.16	356.2	13.31	6.35	29.63	0
12/4/20 9:32	2.128	2.552	13.64	6.342	29.63	0
12/4/20 9:48	1.736	41.7	7.351	6.073	29.64	0
12/4/20 10:12	1.833	23.44	14.77	6.407	29.64	0
12/4/20 10:19	2.516	5.213	22.24	6.622	29.64	0
12/4/20 10:31	1.635	334	24.74	7.99	29.64	0
12/4/20 10:59	1.736	5.554	27.43	8.98	29.61	0
12/4/20 11:05	3.069	13.15	10.25	8.21	29.61	0
12/4/20 11:24	2.562	23.75	7.463	8.22	29.61	0
12/4/20 11:34	2.955	17.16	8.92	8.24	29.61	0
12/4/20 11:46	1.651	324.8	32.24	9.39	29.59	0
12/4/20 12:12	2.594	321	18.96	10.34	29.59	0
12/4/20 12:22	3.331	2.254	16.06	10.19	29.59	0
12/4/20 12:30	3.116	11.24	5.073	9.9	29.59	0
12/4/20 12:57	3.149	329.6	20.39	10.35	29.57	0
12/4/20 13:02	3.264	352.5	28.92	10.9	29.57	0
12/4/20 13:22	3.051	15.77	11.41	10.28	29.57	0
12/4/20 13:40	3.133	12.41	6.726	10.53	29.57	0
12/4/20 13:51	2.764	15.86	6.11	10.62	29.55	0
12/4/20 14:14	2.091	24.32	6.7	10.89	29.55	0
12/4/20 14:27	3.81	19.7	7.989	10.66	29.55	0
12/4/20 14:40	4.112	21.35	9.03	10.73	29.55	0
12/4/20 14:49	4.394	15.55	10.16	10.4	29.51	0
12/4/20 15:04	4.752	18.35	11.7	10.17	29.51	0
12/4/20 15:22	4.245	11.63	8.76	10.12	29.51	0
12/4/20 15:31	4.1	16.9	14.77	10.11	29.51	0
12/4/20 15:59	2.689	358.1	16.32	10.39	29.5	0
12/4/20 16:02	2.948	350.5	37.18	10.22	29.5	0
12/4/20 16:29	3.412	9.67	8.61	9.81	29.5	0
12/4/20 16:33	3.643	3.211	12.04	9.63	29.5	0
12/4/20 16:46	4.003	4.484	9.98	9.32	29.49	0
12/4/20 17:14	2.903	332.4	19.08	9.35	29.49	0
12/4/20 17:20	3.501	345.7	15.21	9.04	29.49	0
12/4/20 17:44	3.586	356.4	8.04	9.13	29.49	0
12/4/20 17:58	4.085	10.36	11.42	8.96	29.51	0
12/4/20 18:09	4.506	10.43	10.29	8.46	29.51	0
12/4/20 18:17	4.472	15.28	10.77	8.01	29.51	0
12/4/20 18:32	5.319	24.09	10.06	7.619	29.51	0
12/4/20 18:55	5.187	19.66	8.57	7.729	29.51	0
12/4/20 19:00	1.57	33.47	20.06	8.02	29.51	0
12/4/20 19:25	1.79	90.7	30.39	8.58	29.51	0
12/4/20 19:45	2.808	126.9	19.24	9.04	29.51	0
12/4/20 19:53	5.363	126.4	16.08	9.27	29.48	0
12/4/20 20:13	6.338	149	23.92	8.84	29.48	0
12/4/20 20:27	8.98	180.2	11.21	8.6	29.48	0
12/4/20 20:33	9.71	174.8	10.35	8.57	29.48	0
12/4/20 20:47	8.42	164.6	9.62	8.58	29.49	0
12/4/20 21:07	8.61	146.3	9.5	8.46	29.49	0
12/4/20 21:25	8.55	134.9	7.808	8.87	29.49	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/4/20 21:33	8.13	144.3	11.13	9.35	29.49	0
12/4/20 21:51	7.798	150.1	10.55	9.24	29.45	0
12/4/20 22:00	8.47	149.6	11.29	9.28	29.45	0
12/4/20 22:17	6.239	104.2	26.41	8.73	29.45	0
12/4/20 22:33	4.763	81.5	25.1	7.545	29.45	0
12/4/20 22:51	5.118	67.25	23.63	7.483	29.43	0
12/4/20 23:06	5.466	46.92	17.45	5.992	29.43	0
12/4/20 23:25	6.578	39.24	13.86	5.606	29.43	0
12/4/20 23:39	6.606	32.14	13.43	5.472	29.43	0
12/4/20 23:57	5.545	66.23	42.35	6.543	29.43	0
12/5/20 0:14	5.479	112.5	24.55	8.02	29.43	0
12/5/20 0:18	8.8	90.8	14.85	8.93	29.43	0
12/5/20 0:30	7.543	95.5	20.19	9.06	29.43	0
12/5/20 0:49	8.58	121	13.4	10.17	29.38	0
12/5/20 1:10	9.57	123.2	17.48	10.64	29.38	0
12/5/20 1:18	9.5	116.3	17.03	10.39	29.38	0
12/5/20 1:30	9.03	113.6	18.39	10.34	29.38	0
12/5/20 1:48	9.79	97.5	18.11	10.49	29.36	0
12/5/20 2:10	8.08	108.2	15.38	10.35	29.36	0
12/5/20 2:27	7.846	119	13.12	10.75	29.36	0
12/5/20 2:34	8.06	127.2	23.64	10.6	29.36	0
12/5/20 2:59	7.37	121.9	19.01	10.37	29.34	0
12/5/20 3:03	8.75	110.4	14.75	10.59	29.34	0
12/5/20 3:24	7.294	109.3	16.8	10.29	29.34	0
12/5/20 3:44	9.11	130.4	13.74	10.65	29.34	0
12/5/20 3:46	9.83	118.2	13.37	10.96	29.31	0
12/5/20 4:01	10.23	120.6	11.86	11.28	29.31	0
12/5/20 4:29	14.85	130.1	10.02	12.85	29.31	0
12/5/20 4:33	17.09	128	9.56	13.33	29.31	0
12/5/20 4:52	16.94	126.5	9.82	13.72	29.24	0
12/5/20 5:03	16.45	130.4	9.5	14.07	29.24	0
12/5/20 5:27	11.68	127	13.67	13.87	29.24	0
12/5/20 5:36	12.97	116.4	13.17	14.48	29.24	0
12/5/20 5:53	11.38	123.9	14.05	14.5	29.23	0
12/5/20 6:04	9.29	134	18.61	14.33	29.23	0
12/5/20 6:18	8.35	172.9	16.33	13.46	29.23	0
12/5/20 6:42	11.7	164.6	13.09	12.43	29.23	0
12/5/20 6:52	12.85	143.3	9.99	12.06	29.29	0
12/5/20 7:12	14.93	133.2	10.65	12.2	29.29	0
12/5/20 7:21	14.28	121.9	12.55	12.31	29.29	0
12/5/20 7:33	14.22	121.9	12.41	12.3	29.29	0
12/5/20 7:59	12.37	130.7	11.16	12.09	29.25	0
12/5/20 8:01	13.01	137	9.86	12.37	29.25	0
12/5/20 8:16	10.84	138.2	10.56	12.63	29.25	0
12/5/20 8:38	9.46	143.2	13.35	13.02	29.25	0
12/5/20 8:57	10.32	150.8	11.85	13.18	29.25	0
12/5/20 9:02	12.61	159.1	10.18	13.36	29.25	0
12/5/20 9:29	14.54	151	9.61	13.48	29.25	0
12/5/20 9:40	14.88	150.1	10.52	13.6	29.25	0
12/5/20 9:49	15.81	158.4	12.79	13.73	29.27	0
12/5/20 10:12	12.84	150.9	14.92	13.87	29.27	0
12/5/20 10:29	13.18	141.5	16.09	13.87	29.27	0
12/5/20 10:30	14.22	132.6	13.36	14.07	29.27	0
12/5/20 10:46	13.74	130.2	13.29	13.97	29.27	0
12/5/20 11:09	14.5	131.7	15.91	13.96	29.27	0
12/5/20 11:29	15.43	141.3	11.53	14.16	29.27	0
12/5/20 11:35	14.34	128.4	12.1	14.48	29.27	0
12/5/20 11:48	13.84	126	12.05	14.81	29.22	0
12/5/20 12:00	11.86	133.2	17.54	14.71	29.22	0
12/5/20 12:18	11.27	140.3	10.98	14.94	29.22	0
12/5/20 12:37	10.71	141.5	11.57	15.02	29.22	0
12/5/20 12:56	14.25	136.3	12.49	14.98	29.2	0
12/5/20 13:06	13.99	133.6	11.3	14.82	29.2	0
12/5/20 13:17	15.63	131.8	11.88	14.54	29.2	0
12/5/20 13:42	12.37	137.1	12.81	14.58	29.2	0
12/5/20 13:48	12.91	138.7	12.61	14.47	29.19	0
12/5/20 14:12	13.56	151.6	8.27	14.22	29.19	0
12/5/20 14:29	12.67	138.2	12.45	14.01	29.19	0
12/5/20 14:40	13.7	135.6	11.4	13.65	29.19	0
12/5/20 14:46	13.7	137.1	10.73	13.51	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
12/5/20 15:05	13.62	139.9	10.77	13.26	29.21	0
12/5/20 15:21	13.99	142.8	12.09	12.96	29.21	0
12/5/20 15:33	16.04	131	13.41	12.68	29.21	0
12/5/20 15:45	17.69	126.9	10.39	12.32	29.2	0
12/5/20 16:06	16	130.5	11.8	11.86	29.2	0
12/5/20 16:23	15.7	136.2	11.68	11.61	29.2	0
12/5/20 16:30	15.55	134.1	10.9	11.5	29.2	0
12/5/20 16:46	15.41	138.5	12.01	11.3	29.23	0
12/5/20 17:02	17.18	131	10.89	11.14	29.23	0
12/5/20 17:16	15.15	128.3	12	11.01	29.23	0
12/5/20 17:44	16.12	125.5	10.98	10.74	29.23	0
12/5/20 17:47	17.59	125.1	11.36	10.71	29.23	0
12/5/20 18:05	17.22	125.4	10.64	10.52	29.23	0
12/5/20 18:16	12.76	129.3	10.05	10.36	29.23	0
12/5/20 18:30	8.74	110.8	16.97	10.31	29.23	0
12/5/20 18:48	8.25	123.8	17.2	10.19	29.24	0
12/5/20 19:10	6.296	116	20.61	10.08	29.24	0
12/5/20 19:24	5.409	115.5	22.9	9.99	29.24	0
12/5/20 19:38	10.61	119.1	13.7	10.14	29.24	0
12/5/20 19:54	8.93	120.9	16.17	10.38	29.25	0
12/5/20 20:02	4.822	108.7	26.7	10.13	29.25	0
12/5/20 20:17	8.65	115.5	17.93	10.44	29.25	0
12/5/20 20:30	8.37	130.9	15.15	10.87	29.25	0
12/5/20 20:45	6	127.4	18.02	10.75	29.26	0
12/5/20 21:05	6.353	124.9	16.54	10.62	29.26	0
12/5/20 21:29	6.76	143.5	14.88	10.62	29.26	0
12/5/20 21:40	9.12	154.1	14.41	10.36	29.26	0
12/5/20 21:48	10.38	137.4	16.77	9.62	29.27	0
12/5/20 22:02	9.05	118.7	13.57	10	29.27	0
12/5/20 22:21	7.49	125.9	18.88	10.47	29.27	0
12/5/20 22:33	8.16	143.9	17.06	10.63	29.27	0
12/5/20 22:51	7.879	177.9	19.96	9.74	29.29	0
12/5/20 23:04	7.89	170.4	20.81	9.27	29.29	0
12/5/20 23:20	6.693	149	22.8	9.27	29.29	0
12/5/20 23:43	4.625	143	35.03	9.71	29.29	0
12/5/20 23:55	8.87	155.3	12.25	9.92	29.33	0
12/6/20 0:05	9.18	142.6	8.4	9.89	29.33	0
12/6/20 0:15	7.61	150.5	9.68	9.73	29.33	0
12/6/20 0:30	5.623	144.6	17.27	9.78	29.33	0
12/6/20 0:48	3.581	140.4	13.76	9.59	29.37	0
12/6/20 1:07	5.313	135.1	14.56	9.67	29.37	0
12/6/20 1:20	5.692	154.3	18.58	9.56	29.37	0
12/6/20 1:33	5.777	145.9	24.02	9.59	29.37	0
12/6/20 1:59	6.145	138.8	37.9	9.29	29.38	0
12/6/20 2:00	6.332	146.5	25.31	9.53	29.38	0
12/6/20 2:21	7.23	180.3	13.37	9.24	29.38	0
12/6/20 2:31	7.623	158.6	9.88	9.27	29.38	0
12/6/20 2:49	7.165	160.5	10.21	9.12	29.41	0
12/6/20 3:05	6.34	159	11.7	8.97	29.41	0
12/6/20 3:16	6.963	166.2	13.09	8.75	29.41	0
12/6/20 3:31	6.72	171.7	13.35	8.79	29.41	0
12/6/20 3:52	6.598	168.5	14.95	8.79	29.44	0
12/6/20 4:11	8.32	206.3	15.45	8.36	29.44	0
12/6/20 4:21	7.164	198.8	11.17	8.17	29.44	0
12/6/20 4:43	5.875	173.1	12.76	8.05	29.44	0
12/6/20 4:47	5.938	153.1	4.599	8.07	29.48	0
12/6/20 5:08	6.4	160.8	8.07	8.18	29.48	0
12/6/20 5:17	6.907	155.7	6.575	8.2	29.48	0
12/6/20 5:30	8.5	166	12.19	6.567	29.48	0
12/6/20 5:45	6.564	133.3	9.72	5.972	29.52	0.01
12/6/20 6:07	8.08	118.5	8.22	5.661	29.52	0
12/6/20 6:21	8.69	119.1	11.39	5.381	29.52	0
12/6/20 6:39	9.02	130.2	12.82	5.592	29.52	0
12/6/20 6:47	7.641	146.3	13.79	5.908	29.52	0
12/6/20 7:10	7.448	141.7	9.92	5.982	29.52	0.01
12/6/20 7:24	8.32	133.1	10.89	6.193	29.52	0
12/6/20 7:36	7.354	145.7	12.88	6.322	29.52	0
12/6/20 7:54	9.3	134.8	14.89	6.35	29.56	0
12/6/20 8:09	8.18	130.7	14.14	6.591	29.56	0
12/6/20 8:25	10.26	134.9	11.68	6.728	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
12/6/20 8:35	9.69	131.2	8.44	7.166	29.56	0.01
12/6/20 8:55	7.672	146.3	13.91	7.366	29.58	0
12/6/20 9:14	7.656	128.8	14.72	7.541	29.58	0
12/6/20 9:17	9.25	121.3	12.28	8.15	29.58	0
12/6/20 9:39	6.968	137.3	11.74	8.55	29.58	0
12/6/20 9:59	6.33	142.4	10.91	8.88	29.59	0
12/6/20 10:01	5.727	154.1	16.13	8.69	29.59	0
12/6/20 10:26	5.629	147	11.01	8.72	29.59	0
12/6/20 10:35	5.548	143	9.12	8.92	29.59	0
12/6/20 10:53	5.101	159.8	11.53	9.07	29.63	0
12/6/20 11:01	4.372	156	10.42	9.11	29.63	0
12/6/20 11:26	4.775	149.2	9.7	9.61	29.63	0
12/6/20 11:42	5.626	134.8	12.87	9.91	29.63	0
12/6/20 11:54	6.341	137.9	11.78	10.68	29.62	0
12/6/20 12:00	6.508	145.9	13.79	10.78	29.62	0
12/6/20 12:24	6.687	153.9	11.42	10.84	29.62	0
12/6/20 12:31	5.707	170.6	20.65	10.73	29.62	0
12/6/20 12:46	4.741	201.5	14.18	10.22	29.64	0
12/6/20 13:13	4.065	176.8	16.28	10.44	29.64	0
12/6/20 13:27	3.72	169.6	17.51	10.16	29.64	0
12/6/20 13:42	2.969	119.7	22.78	10.83	29.64	0
12/6/20 13:51	5.083	130.1	13.05	10.75	29.62	0
12/6/20 14:11	5.164	147.8	11.67	11.04	29.62	0
12/6/20 14:22	3.93	166.6	14.5	10.79	29.62	0
12/6/20 14:30	3.429	167	13.74	10.7	29.62	0
12/6/20 14:47	2.893	160.7	20.08	10.72	29.66	0
12/6/20 15:02	3.303	167.3	12.23	10.77	29.66	0
12/6/20 15:29	3.004	170.3	12.54	10.73	29.66	0
12/6/20 15:43	3.167	158.8	28.86	10.81	29.66	0
12/6/20 15:58	3.338	178.4	21.88	10.7	29.66	0
12/6/20 16:07	7.126	220.6	14.18	10.59	29.66	0
12/6/20 16:17	7.8	222.3	7.383	10.3	29.66	0
12/6/20 16:33	5.564	217.4	7.738	10.04	29.66	0
12/6/20 16:51	4.678	213.9	6.114	9.87	29.65	0
12/6/20 17:10	4.103	178	16.24	9.77	29.65	0
12/6/20 17:18	3.732	155.1	17.85	9.76	29.65	0
12/6/20 17:40	3.32	117.7	9.77	9.48	29.65	0
12/6/20 17:49	5.513	129.9	6.969	9.52	29.62	0
12/6/20 18:13	6.217	128.7	6.745	9.59	29.62	0
12/6/20 18:19	5.069	134.9	10.05	9.67	29.62	0
12/6/20 18:41	4.459	142.2	8.46	9.66	29.62	0
12/6/20 18:55	5.008	134.5	6.422	9.59	29.64	0
12/6/20 19:12	6.225	131.8	6.845	9.59	29.64	0
12/6/20 19:19	6.542	136.4	9.83	9.45	29.64	0
12/6/20 19:44	5.73	142.2	11.56	9.24	29.64	0
12/6/20 19:45	5.894	135.6	7.167	9.25	29.64	0
12/6/20 20:13	6.384	127.2	6.478	9.15	29.64	0
12/6/20 20:18	5.913	135.1	7.981	9	29.64	0
12/6/20 20:32	5.668	139.1	7.359	8.78	29.64	0
12/6/20 20:48	4.889	129	6.848	8.71	29.62	0
12/6/20 21:02	3.448	147.7	13.04	8.54	29.62	0
12/6/20 21:26	3.794	137.6	10.08	8.66	29.62	0
12/6/20 21:33	3.763	126	8.39	8.46	29.62	0
12/6/20 21:57	4.631	125.7	7.12	8.03	29.6	0
12/6/20 22:07	5.302	126.7	5.375	8.24	29.6	0
12/6/20 22:28	5.668	127	4.977	8.19	29.6	0
12/6/20 22:43	7.031	122	7.069	8.22	29.6	0
12/6/20 22:56	7.703	130.7	8.55	8.35	29.61	0
12/6/20 23:09	8.75	133.4	9.45	8.08	29.61	0
12/6/20 23:19	7.513	120.3	10.25	7.985	29.61	0
12/6/20 23:38	7.138	124.3	8.59	7.965	29.61	0
12/6/20 23:56	7.137	127.7	7.801	8.04	29.61	0
12/7/20 0:09	7.533	123	8.04	7.756	29.61	0
12/7/20 0:22	7.126	128.6	13.1	7.614	29.61	0
12/7/20 0:43	6.553	144.5	13.47	7.651	29.61	0
12/7/20 0:50	6.701	169.3	12.25	7.766	29.54	0
12/7/20 1:10	6.819	176.1	15.23	7.976	29.54	0
12/7/20 1:24	6.311	168.5	11.82	7.649	29.54	0
12/7/20 1:43	5.041	201.8	16.99	7.596	29.54	0
12/7/20 1:48	6.646	213.6	5.7	7.516	29.55	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/7/20 2:00	5.327	155.5	40.91	7.695	29.55	0
12/7/20 2:17	4.215	96.2	7.631	6.893	29.55	0
12/7/20 2:44	3.56	144.5	31.69	7.56	29.55	0
12/7/20 2:58	6.671	147.6	10.51	8.21	29.56	0
12/7/20 3:03	5.984	131.9	11.67	8.34	29.56	0
12/7/20 3:24	8.45	155.2	7.345	8.34	29.56	0
12/7/20 3:30	6.756	175.7	12.03	8.03	29.56	0
12/7/20 3:57	7.154	189.3	11.66	6.495	29.53	0
12/7/20 4:04	7.623	202.8	7.898	6.627	29.53	0
12/7/20 4:25	8.7	236.5	10.47	6.92	29.53	0
12/7/20 4:30	4.819	269.3	63.19	6.836	29.53	0
12/7/20 4:58	1.682	62.28	34.76	6.663	29.52	0
12/7/20 5:09	2.68	81.2	18.99	6.66	29.52	0
12/7/20 5:28	2.693	157.9	56.59	7.117	29.52	0
12/7/20 5:42	4.622	220.1	11.85	6.988	29.52	0
12/7/20 5:59	6.537	191.3	11.65	6.811	29.51	0
12/7/20 6:00	4.361	173.5	14.45	6.066	29.51	0
12/7/20 6:29	5.03	163.5	13.14	5.962	29.51	0
12/7/20 6:40	5.707	175.1	10.73	5.88	29.51	0
12/7/20 6:59	7.689	180.8	9.37	5.981	29.52	0
12/7/20 7:07	7.867	235.3	18.73	6.084	29.52	0
12/7/20 7:26	7.624	223.3	24.73	6.595	29.52	0
12/7/20 7:30	2.902	36.84	62.66	6.159	29.52	0
12/7/20 7:55	0.689	8.37	44.49	6.209	29.51	0
12/7/20 8:15	0.472	343.4	30.41	6.47	29.51	0
12/7/20 8:21	3.685	247.8	57.98	6.599	29.51	0
12/7/20 8:38	2.589	154	41.26	7.039	29.51	0
12/7/20 8:59	1.606	87.8	35.51	7.172	29.52	0
12/7/20 9:13	3.039	115.8	8.88	7.632	29.52	0
12/7/20 9:20	4.436	125.4	13.17	8.36	29.52	0
12/7/20 9:32	3.091	151.7	9.66	8.78	29.52	0
12/7/20 9:55	2.484	187.6	18.29	9.07	29.51	0
12/7/20 10:14	2.945	147.7	23	9.24	29.51	0
12/7/20 10:29	4.285	168.6	9.6	9.43	29.51	0
12/7/20 10:33	5.77	181.7	13.64	9.64	29.51	0
12/7/20 10:56	4.668	165.1	16.06	10.18	29.49	0
12/7/20 11:01	4.961	161	9.28	10.66	29.49	0
12/7/20 11:17	5.004	164.2	10.39	10.9	29.49	0
12/7/20 11:36	4.513	164.4	11.39	11.3	29.49	0
12/7/20 11:55	3.696	156.1	14.41	11.7	29.45	0
12/7/20 12:02	3.185	142.5	9.25	12.21	29.45	0
12/7/20 12:21	3.969	152.9	17.32	12.63	29.45	0
12/7/20 12:42	4.162	156.2	16.15	12.6	29.45	0
12/7/20 13:00	5.735	187.6	17.3	12.51	29.4	0
12/7/20 13:04	6.256	207.5	7.71	12.44	29.4	0
12/7/20 13:20	5.532	197.2	11.25	12.47	29.4	0
12/7/20 13:30	3.776	200.3	10.62	12.6	29.4	0
12/7/20 13:58	4.911	214.6	7.839	12.71	29.41	0
12/7/20 14:06	3.291	226.8	30.06	12.85	29.41	0
12/7/20 14:29	2.981	137.8	27.3	12.92	29.41	0
12/7/20 14:44	4.389	144.7	21.35	12.28	29.41	0
12/7/20 14:59	6.733	193	6.565	12.27	29.39	0
12/7/20 15:08	8.72	182.7	27.32	12.23	29.39	0
12/7/20 15:16	6.349	217.9	10.25	12.02	29.39	0
12/7/20 15:38	6.068	201.2	9.64	11.76	29.39	0
12/7/20 15:58	6.373	187.7	8.83	11.38	29.39	0
12/7/20 16:11	7.839	207.2	7.727	10.99	29.39	0
12/7/20 16:18	7.182	232.1	7.563	10.54	29.39	0
12/7/20 16:30	4.958	215.5	32.36	10.32	29.39	0
12/7/20 16:46	1.456	81.4	33.66	10.02	29.4	0
12/7/20 17:13	4.167	179	28.15	10.6	29.4	0
12/7/20 17:23	5.962	194.9	12.07	10.6	29.4	0
12/7/20 17:37	5.651	198.7	7.24	10.47	29.4	0
12/7/20 17:48	5.817	195.1	11.18	10.52	29.39	0
12/7/20 18:15	7.344	227.9	6.757	10.39	29.39	0
12/7/20 18:17	5.735	244.5	10.06	10.43	29.39	0
12/7/20 18:31	3.146	277.2	18.05	10.25	29.39	0
12/7/20 18:56	4.452	195	22.62	10.25	29.36	0
12/7/20 19:08	6.674	187.9	9.32	9.94	29.36	0
12/7/20 19:19	7.232	187.8	9.09	9.86	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
12/7/20 19:33	5.85	184.8	13.17	9.87	29.36	0
12/7/20 19:59	7.543	199.2	9.67	9.87	29.37	0
12/7/20 20:07	9.34	205.6	6.589	10.04	29.37	0
12/7/20 20:26	7.64	207.5	6.04	10.1	29.37	0
12/7/20 20:34	7.999	218.1	5.487	10.34	29.37	0
12/7/20 20:54	6.246	195.3	16.34	10.45	29.36	0
12/7/20 21:06	5.264	135.8	18.22	10.11	29.36	0
12/7/20 21:29	4.019	142	24.38	10.31	29.36	0
12/7/20 21:30	3.984	148.4	19.97	11.33	29.36	0
12/7/20 21:59	3.08	109.4	64.29	11.08	29.35	0
12/7/20 22:11	6.745	128.8	19.89	12.94	29.35	0
12/7/20 22:24	6.078	161.4	20.52	12.64	29.35	0
12/7/20 22:41	5.979	183.3	24.15	11.86	29.35	0
12/7/20 22:59	7.466	261.6	10.31	10.41	29.36	0
12/7/20 23:12	11.51	273.1	7.147	10.22	29.36	0
12/7/20 23:16	9.73	269.8	7.91	10.11	29.36	0
12/7/20 23:31	6.369	279.6	12.27	9.97	29.36	0
12/7/20 23:48	3.88	348.6	35.04	9.7	29.36	0
12/8/20 0:14	2.786	13.96	27.17	9.74	29.36	0
12/8/20 0:18	2.494	18	37.43	9.65	29.36	0
12/8/20 0:31	2.503	54.59	40.57	9.72	29.36	0
12/8/20 0:50	2.962	214.9	65.15	10.14	29.39	0
12/8/20 1:02	1.747	200.7	27.53	10.03	29.39	0
12/8/20 1:24	4.063	182.2	19.63	9.9	29.39	0
12/8/20 1:41	5.56	155	21.61	9.35	29.39	0
12/8/20 1:55	4.79	124.3	10.29	9.03	29.37	0
12/8/20 2:03	4.754	124	15.6	8.9	29.37	0
12/8/20 2:24	5.848	129.1	9.45	9.09	29.37	0.01
12/8/20 2:44	6.47	120.3	7.942	9.26	29.37	0
12/8/20 2:59	7.676	121.9	7.279	9.45	29.37	0.01
12/8/20 3:01	7.391	122.9	7.448	9.61	29.37	0.01
12/8/20 3:18	7.816	129.5	11.69	9.79	29.37	0
12/8/20 3:37	7.75	133.3	15.83	9.88	29.37	0.01
12/8/20 3:50	7.4	134.2	12.29	9.98	29.36	0.01
12/8/20 4:08	6.835	140.4	9.91	10.01	29.36	0.01
12/8/20 4:28	6.388	153.5	9.8	9.95	29.36	0.01
12/8/20 4:33	6.883	154	6.417	9.97	29.36	0.02
12/8/20 4:54	6.524	143	9.94	9.97	29.36	0.01
12/8/20 5:13	7.375	137.9	13.34	9.98	29.36	0.02
12/8/20 5:24	6.634	135.5	11.84	10.08	29.36	0.02
12/8/20 5:36	5.194	155.2	15.3	10.11	29.36	0.01
12/8/20 5:52	6.958	150.7	11.01	10.16	29.37	0.01
12/8/20 6:00	5.902	139.2	8.76	10.22	29.37	0.01
12/8/20 6:17	4.693	160.1	12.73	10.18	29.37	0
12/8/20 6:30	4.856	161.3	12.99	10.12	29.37	0.01
12/8/20 6:49	4.496	165.1	11.79	10.07	29.37	0.01
12/8/20 7:03	5.008	174.2	11.69	9.84	29.37	0.01
12/8/20 7:21	3.37	156.2	13.77	9.86	29.37	0.02
12/8/20 7:30	2.681	151.7	13.66	9.91	29.37	0.01
12/8/20 7:51	3.752	138.9	14.71	9.94	29.35	0.02
12/8/20 8:14	4.517	135.5	15.87	10.26	29.35	0.01
12/8/20 8:19	4.725	148.8	11.69	10.25	29.35	0
12/8/20 8:36	4.69	191.3	13.45	10.07	29.35	0.01
12/8/20 8:59	3.607	190.8	16.52	10.09	29.37	0.01
12/8/20 9:02	3.41	185.3	21.59	10.24	29.37	0.01
12/8/20 9:19	3.28	185.7	20.07	10.35	29.37	0.01
12/8/20 9:44	3.036	176.2	26.32	10.36	29.37	0.01
12/8/20 9:55	2.253	165.1	30.9	10.4	29.36	0.01
12/8/20 10:14	1.366	121.2	21.66	10.44	29.36	0.01
12/8/20 10:17	0.703	126.1	42.78	10.48	29.36	0.01
12/8/20 10:41	1.116	270.6	61.4	10.56	29.36	0.02
12/8/20 10:52	0.76	314.9	21.83	10.59	29.35	0.01
12/8/20 11:09	1.339	317.4	48.32	10.58	29.35	0.01
12/8/20 11:16	3.609	291.9	16.68	10.61	29.35	0.01
12/8/20 11:32	4.039	281.3	16.04	10.3	29.35	0.01
12/8/20 11:59	6.526	291.8	12.22	10.02	29.33	0.01
12/8/20 12:01	7.337	281.6	12.2	9.85	29.33	0.01
12/8/20 12:20	6.652	272.4	12.14	9.82	29.33	0
12/8/20 12:42	4.617	263.9	16.68	9.82	29.33	0.01
12/8/20 12:45	4.62	241.5	14.45	9.77	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
12/8/20 13:02	4.184	252.4	13.3	9.79	29.3	0.01
12/8/20 13:19	3.211	242.2	15.05	9.8	29.3	0.01
12/8/20 13:31	1.69	246.5	36.93	9.79	29.3	0
12/8/20 13:59	3.402	203.8	27.63	9.84	29.3	0.01
12/8/20 14:01	3.871	250.5	13.24	9.74	29.3	0.02
12/8/20 14:22	2.074	284.1	17.56	9.76	29.3	0.01
12/8/20 14:30	0.423	290.4	32.84	9.79	29.3	0.01
12/8/20 14:59	1.12	275.6	12.17	9.8	29.26	0.01
12/8/20 15:13	2.248	256.4	21.68	9.69	29.26	0.01
12/8/20 15:26	4.616	274.5	8.19	9.55	29.26	0.02
12/8/20 15:30	4.825	302	9.79	9.46	29.26	0
12/8/20 15:49	4.966	314.4	7.531	9.32	29.25	0.01
12/8/20 16:14	3.911	320	10.04	9.21	29.25	0.01
12/8/20 16:29	3.909	295.5	10.86	9.23	29.25	0
12/8/20 16:42	7.084	303.9	14.36	9.19	29.25	0
12/8/20 16:53	8.43	319.8	5.117	9.1	29.26	0.01
12/8/20 17:03	9.36	318.7	7.707	9.03	29.26	0.01
12/8/20 17:21	9.07	309.1	12.33	8.93	29.26	0.01
12/8/20 17:34	7.172	311.6	8.44	8.85	29.26	0.01
12/8/20 17:57	6.549	306.7	16.18	8.83	29.27	0
12/8/20 18:07	5.691	350.1	33.73	8.77	29.27	0.01
12/8/20 18:26	4.617	302.8	43.59	8.66	29.27	0.01
12/8/20 18:32	3.859	268.8	54.94	8.59	29.27	0.01
12/8/20 18:56	3.24	342.4	65.02	8.57	29.26	0.03
12/8/20 19:03	5.191	65.09	18.39	8.39	29.26	0.02
12/8/20 19:20	4.612	54.28	14.59	8.37	29.26	0.02
12/8/20 19:34	1.876	136.7	42.36	8.41	29.26	0.02
12/8/20 19:59	4.62	218.8	13.49	8.45	29.27	0.01
12/8/20 20:04	6.22	248	7.779	8.41	29.27	0.03
12/8/20 20:22	7.229	269.1	8.12	8.27	29.27	0.03
12/8/20 20:34	6.11	276.3	11.04	8.17	29.27	0.01
12/8/20 20:45	3.986	294.4	23.54	8.16	29.27	0.02
12/8/20 21:06	0.558	13.19	12.05	8.16	29.27	0.01
12/8/20 21:28	1.414	342.8	9.7	8.19	29.27	0.02
12/8/20 21:44	6.707	322	11.29	8.09	29.27	0.01
12/8/20 21:47	8.36	314.6	6.876	7.913	29.3	0.01
12/8/20 22:14	7.632	313.6	5.974	7.891	29.3	0.01
12/8/20 22:15	7.659	322.5	6.762	7.836	29.3	0.01
12/8/20 22:44	6.995	327	10.45	7.787	29.3	0.01
12/8/20 22:52	9.83	347.8	15.13	7.74	29.32	0
12/8/20 23:09	10.07	337.4	11.63	7.706	29.32	0.01
12/8/20 23:29	8.06	351.5	17.18	7.605	29.32	0
12/8/20 23:30	7.228	13.69	20.9	7.512	29.32	0
12/8/20 23:59	5.477	4.067	21.96	7.39	29.32	0.01
12/9/20 0:05	6.169	344.5	18.32	7.405	29.32	0
12/9/20 0:17	7.885	4.751	15.69	7.407	29.32	0
12/9/20 0:43	7.266	16.48	10.88	7.377	29.32	0.01
12/9/20 0:47	7.002	22.3	12.32	7.355	29.32	0.01
12/9/20 1:14	5.503	38.42	12.28	7.309	29.32	0
12/9/20 1:17	3.475	21.07	39.37	7.338	29.32	0
12/9/20 1:38	5.542	293.4	23.27	7.623	29.32	0
12/9/20 1:46	3.974	311.8	33.48	7.879	29.35	0.01
12/9/20 2:12	5.132	281.2	15.74	7.55	29.35	0
12/9/20 2:29	4.481	255.7	26.48	7.437	29.35	0
12/9/20 2:32	5.145	242.7	6.459	7.256	29.35	0
12/9/20 2:52	4.826	234.8	6.667	7.249	29.39	0
12/9/20 3:05	4.175	235	9.11	7.247	29.39	0.01
12/9/20 3:26	4.204	242.2	11.33	7.286	29.39	0
12/9/20 3:35	5.462	229.9	6.275	7.318	29.39	0.01
12/9/20 3:48	5.738	223.1	5.599	7.326	29.39	0
12/9/20 4:08	5.878	224.4	7.359	7.348	29.39	0
12/9/20 4:28	5.693	217.2	7.68	7.366	29.39	0
12/9/20 4:37	6.415	222.3	7.625	7.345	29.39	0.01
12/9/20 4:49	6.335	220.6	8.98	7.328	29.39	0
12/9/20 5:06	5.974	200.8	11.7	7.334	29.39	0
12/9/20 5:17	4.969	180.1	9.39	7.263	29.39	0
12/9/20 5:40	5.249	181.8	8.59	7.258	29.39	0
12/9/20 5:54	6.143	185	11.34	7.163	29.41	0
12/9/20 6:10	6.17	188.2	7.317	7.117	29.41	0
12/9/20 6:29	7.571	191.9	9.99	7.059	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
12/9/20 6:43	10.29	197	7.366	6.812	29.41	0
12/9/20 6:50	11.33	199.2	8.37	6.579	29.45	0
12/9/20 7:03	8.39	194.7	9.2	6.57	29.45	0
12/9/20 7:17	7.424	173.4	7.148	6.473	29.45	0
12/9/20 7:37	6.289	161.3	10.51	6.421	29.45	0
12/9/20 7:57	5.833	165.1	11.23	6.398	29.47	0
12/9/20 8:11	7.346	155.8	11.32	6.329	29.47	0
12/9/20 8:26	7.452	158	8.72	6.368	29.47	0
12/9/20 8:36	8.5	159.9	7.852	6.381	29.47	0
12/9/20 8:55	8.69	170.8	8.25	6.443	29.47	0
12/9/20 9:03	8.27	162.4	11.03	6.46	29.47	0
12/9/20 9:27	9.17	158	9.08	6.458	29.47	0
12/9/20 9:40	8.52	164.6	11.51	6.564	29.47	0.01
12/9/20 9:49	9.71	176.4	7.817	6.628	29.51	0
12/9/20 10:06	9.32	176.2	7.019	6.672	29.51	0
12/9/20 10:18	9.02	177.3	6.98	6.709	29.51	0.01
12/9/20 10:30	7.378	171.6	10.41	6.857	29.51	0
12/9/20 10:45	6.534	175.8	9.34	6.904	29.51	0.01
12/9/20 11:00	7.3	182.1	9.97	6.879	29.51	0
12/9/20 11:21	6.17	181.9	8.9	6.935	29.51	0
12/9/20 11:36	5.553	168	8.14	7.051	29.51	0.01
12/9/20 11:46	4.234	170.3	12.06	7.171	29.48	0
12/9/20 12:09	2.791	134.4	13.3	7.284	29.48	0
12/9/20 12:26	3.507	125.5	18.85	7.295	29.48	0
12/9/20 12:33	4.093	141.4	10.24	7.503	29.48	0
12/9/20 12:56	4.73	160.5	16.2	7.705	29.47	0
12/9/20 13:13	6.627	180.3	15.78	8.07	29.47	0
12/9/20 13:23	8.16	210.8	9.67	8.2	29.47	0
12/9/20 13:35	6.043	186.4	11.42	8.22	29.47	0
12/9/20 13:58	7.858	206.1	8.46	8.28	29.49	0
12/9/20 14:01	6.073	256.4	16.9	8.12	29.49	0
12/9/20 14:15	5.289	274.3	13.82	7.882	29.49	0
12/9/20 14:41	5.892	269.9	12.66	7.916	29.49	0
12/9/20 14:46	4.321	277.6	15.66	7.845	29.5	0
12/9/20 15:13	3.285	325.1	12.1	7.903	29.5	0
12/9/20 15:15	2.729	320.9	7.379	7.731	29.5	0
12/9/20 15:36	3.417	322.4	11.48	7.814	29.5	0
12/9/20 15:55	3.665	248.4	32.67	7.841	29.51	0.02
12/9/20 16:00	1.502	215.5	37.87	7.777	29.51	0
12/9/20 16:20	3.302	31.95	8.19	7.172	29.51	0
12/9/20 16:40	3.073	38.73	7.609	7.135	29.51	0
12/9/20 16:56	3.445	44.95	4.645	7.141	29.51	0
12/9/20 17:01	3.477	53.46	6.355	6.914	29.51	0.01
12/9/20 17:23	3.973	43.3	8.45	6.789	29.51	0
12/9/20 17:43	4.841	38.56	10.04	6.492	29.51	0
12/9/20 17:56	4.161	49.1	8.88	6.31	29.49	0
12/9/20 18:14	4.512	48.04	7.604	6.204	29.49	0
12/9/20 18:28	5.088	86.7	27.98	6.25	29.49	0
12/9/20 18:37	5.748	124.1	8.54	6.286	29.49	0
12/9/20 18:53	5.013	119.3	9.99	6.292	29.5	0
12/9/20 19:02	4.305	136.3	7.107	6.075	29.5	0
12/9/20 19:15	2.734	123.8	19.49	6.074	29.5	0
12/9/20 19:40	2.823	74.22	15.11	5.843	29.5	0
12/9/20 19:48	2.661	62.42	11.44	5.442	29.48	0
12/9/20 20:11	2.802	64	14.26	5.19	29.48	0
12/9/20 20:24	3.398	31.24	6.086	4.792	29.48	0
12/9/20 20:30	2.862	37.11	9.15	4.712	29.48	0
12/9/20 20:58	1.531	53.15	69.6	4.827	29.5	0
12/9/20 21:12	2.389	187.1	16.03	5.275	29.5	0
12/9/20 21:16	3.096	169	46.19	5.215	29.5	0
12/9/20 21:34	4.6	174.8	15.5	5.068	29.5	0
12/9/20 21:45	3.026	153.6	24.76	5.187	29.49	0
12/9/20 22:14	2.715	108.2	28.54	4.631	29.49	0
12/9/20 22:21	3.81	75.14	6.034	4.184	29.49	0
12/9/20 22:36	4.729	74.32	4.096	4.301	29.49	0
12/9/20 22:45	3.592	62.98	4.567	4.823	29.45	0
12/9/20 23:03	3.522	60.84	3.664	4.813	29.45	0
12/9/20 23:17	1.36	89.1	65.32	4.246	29.45	0
12/9/20 23:40	2.89	33.04	6.54	4.378	29.45	0
12/9/20 23:58	1.075	83	50.62	3.816	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
12/10/20 0:05	3.047	189.2	17.56	4.071	29.43	0
12/10/20 0:21	2.168	181.7	8.94	3.991	29.43	0
12/10/20 0:43	1.287	145.3	8.06	3.715	29.43	0
12/10/20 0:47	1.651	119.7	9.29	3.668	29.41	0
12/10/20 1:13	1.799	226.5	27.57	3.404	29.41	0
12/10/20 1:15	1.837	140.4	33.28	3.177	29.41	0
12/10/20 1:36	1.515	82.9	4.198	3.135	29.41	0
12/10/20 1:56	2.192	118.6	35.33	2.872	29.39	0
12/10/20 2:06	2.052	167.2	16.69	3.056	29.39	0
12/10/20 2:17	4.111	170.6	20.47	2.798	29.39	0
12/10/20 2:31	2.791	116.5	10.23	2.787	29.39	0
12/10/20 2:59	0.482	107.8	12.11	2.739	29.36	0
12/10/20 3:14	2.279	179.3	11.49	2.839	29.36	0
12/10/20 3:20	3.938	160	10.06	2.689	29.36	0
12/10/20 3:41	3.296	138.1	8.76	2.705	29.36	0
12/10/20 3:48	3.294	141.9	9.12	2.927	29.33	0
12/10/20 4:00	2.563	133.4	24.08	2.808	29.33	0
12/10/20 4:24	1.678	63.71	7.825	2.615	29.33	0
12/10/20 4:38	1.187	78.71	8.72	2.874	29.33	0
12/10/20 4:58	0.288	67.4	5.466	3.28	29.31	0
12/10/20 5:06	1.892	47.23	7.735	3.29	29.31	0
12/10/20 5:24	2.697	55.07	6.677	2.811	29.31	0
12/10/20 5:39	2.803	66.94	7.251	2.293	29.31	0
12/10/20 5:59	2.194	39.82	12.84	2.25	29.27	0
12/10/20 6:12	4.257	18.79	11.91	2.374	29.27	0
12/10/20 6:24	4.648	28.35	11.83	2.201	29.27	0
12/10/20 6:41	5.652	32.36	11.05	1.908	29.27	0
12/10/20 6:48	5.092	10.4	11.24	2.064	29.22	0.01
12/10/20 7:05	4.884	353.6	33.59	2.058	29.22	0
12/10/20 7:23	5.464	301.4	11.32	2.683	29.22	0
12/10/20 7:34	6.036	312.9	14.46	2.383	29.22	0
12/10/20 7:47	5.316	306	13.49	2.013	29.21	0
12/10/20 8:05	5.526	301.5	15.11	2.118	29.21	0
12/10/20 8:18	5.879	283.6	38.54	1.835	29.21	0
12/10/20 8:35	3.134	26.95	28.24	1.308	29.21	0
12/10/20 8:52	2.773	16.32	32.14	2.137	29.2	0
12/10/20 9:14	2.872	120.4	64.55	2.357	29.2	0
12/10/20 9:28	7.049	197.5	6.888	1.557	29.2	0
12/10/20 9:35	8.67	189.3	10.02	1.787	29.2	0
12/10/20 9:50	5.964	184.7	13.26	2.247	29.2	0
12/10/20 10:01	4.961	195.7	15.26	2.528	29.2	0
12/10/20 10:15	3.92	235.8	18.02	2.594	29.2	0
12/10/20 10:40	0.922	196.2	29.28	2.692	29.2	0
12/10/20 10:58	2.443	114.4	27.23	2.819	29.19	0
12/10/20 11:14	4.262	126.5	18.26	2.614	29.19	0
12/10/20 11:20	7.309	104.3	7.363	2.833	29.19	0
12/10/20 11:30	5.022	116.9	16.05	3.491	29.19	0
12/10/20 11:48	3.692	120.7	30.41	4.519	29.13	0
12/10/20 12:03	4.772	104.9	52.73	4.777	29.13	0
12/10/20 12:27	6.116	32.25	11.05	3.361	29.13	0
12/10/20 12:32	4.853	331.9	31.64	4.309	29.13	0
12/10/20 12:45	2.83	338.8	26.31	5.015	29.09	0
12/10/20 13:11	3.158	321.6	55.39	4.376	29.09	0
12/10/20 13:29	6.413	296.6	16.34	4.967	29.09	0
12/10/20 13:42	11.18	266.2	6.308	4.701	29.09	0
12/10/20 13:45	11.12	287.4	8.7	4.183	29.11	0
12/10/20 14:06	7.425	286.5	10.2	4.204	29.11	0
12/10/20 14:18	5.132	268.9	12.87	4.161	29.11	0
12/10/20 14:44	2.31	205.6	33.82	4.17	29.11	0
12/10/20 14:58	5.852	175.4	14.25	4.262	29.13	0
12/10/20 15:06	6.048	147.3	10.89	4.256	29.13	0
12/10/20 15:16	7.635	147.1	8.79	4.101	29.13	0
12/10/20 15:44	5.978	146.1	7.561	4.091	29.13	0
12/10/20 15:51	7.504	183.3	9.38	4.131	29.13	0
12/10/20 16:00	5.666	145.7	22.32	3.945	29.13	0
12/10/20 16:27	4.863	127.6	12.31	3.785	29.13	0
12/10/20 16:31	5.599	121.1	6.839	3.612	29.13	0
12/10/20 16:47	5.305	128.5	10.94	3.676	29.14	0
12/10/20 17:01	4.761	122.2	7.753	3.819	29.14	0
12/10/20 17:27	6.028	120.3	9.77	4.057	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
12/10/20 17:31	4.92	119.1	10.85	4.208	29.14	0
12/10/20 17:57	5.118	145.4	13.86	4.367	29.16	0
12/10/20 18:00	5.064	190.2	17.58	4.365	29.16	0
12/10/20 18:17	3.913	200.2	20.74	4.231	29.16	0
12/10/20 18:31	3.056	161.6	10.28	4.344	29.16	0
12/10/20 18:54	1.988	113	22.66	4.096	29.18	0
12/10/20 19:12	2.385	129.6	21.69	3.863	29.18	0
12/10/20 19:16	2.991	172.9	16.47	4.543	29.18	0
12/10/20 19:35	4.32	171.8	10.49	4.468	29.18	0
12/10/20 19:59	6.929	169.8	8.93	4.244	29.19	0
12/10/20 20:03	11.52	180.8	9.23	3.961	29.19	0
12/10/20 20:22	11.21	183.2	9.51	3.773	29.19	0
12/10/20 20:33	10.93	176.3	8.21	3.68	29.19	0.01
12/10/20 20:54	8.91	156.6	13.58	3.605	29.2	0.01
12/10/20 21:08	7.582	150.4	10.46	3.556	29.2	0.01
12/10/20 21:16	6.595	135.4	10.62	3.519	29.2	0.01
12/10/20 21:30	6.755	142	8.91	3.578	29.2	0
12/10/20 21:58	5.881	136.4	9.81	3.54	29.19	0
12/10/20 22:12	5.478	131.3	9.22	3.562	29.19	0
12/10/20 22:25	5.515	126.3	7.667	3.564	29.19	0
12/10/20 22:42	4.701	123.7	8.59	3.546	29.19	0
12/10/20 22:57	5.586	122.9	6.93	3.668	29.2	0
12/10/20 23:10	5.622	132.8	9.57	3.821	29.2	0
12/10/20 23:28	5.578	145	7.933	3.974	29.2	0
12/10/20 23:32	6.493	148.2	5.476	4.121	29.2	0
12/10/20 23:45	6.397	151.1	6.739	4.128	29.2	0
12/11/20 0:10	6.361	151.2	6.072	4.117	29.2	0
12/11/20 0:29	5.243	160.5	12.14	4.12	29.2	0
12/11/20 0:42	5.581	168.5	8.21	4.243	29.2	0
12/11/20 0:45	7.071	178.3	9.06	4.32	29.22	0
12/11/20 1:10	5.635	168.4	9.94	4.178	29.22	0
12/11/20 1:16	4.527	139.9	8.64	3.971	29.22	0
12/11/20 1:43	5.229	133.9	8.25	3.931	29.22	0
12/11/20 1:47	5.16	133.3	9.23	4.054	29.23	0
12/11/20 2:13	4.188	131.8	7.745	3.997	29.23	0
12/11/20 2:29	4.512	134.1	7.808	4.058	29.23	0
12/11/20 2:43	6.322	162.3	15.99	4.249	29.23	0
12/11/20 2:52	7.251	174.3	8.7	4.219	29.24	0
12/11/20 3:02	7.363	179.9	6.452	4.03	29.24	0
12/11/20 3:18	6.445	163.1	14.93	3.939	29.24	0
12/11/20 3:32	8.27	166.8	10.19	4.054	29.24	0
12/11/20 3:53	7.08	157.4	11.72	3.902	29.24	0
12/11/20 4:11	7.597	152.6	7.179	3.896	29.24	0
12/11/20 4:26	7.622	144.4	6.264	3.851	29.24	0.01
12/11/20 4:44	8.44	149	6.582	3.801	29.24	0
12/11/20 4:45	8.1	154	6.197	3.729	29.22	0
12/11/20 5:07	7.691	159.2	8.57	3.662	29.22	0
12/11/20 5:21	6.769	155.2	8.79	3.644	29.22	0.01
12/11/20 5:39	5.3	146.3	8.72	3.597	29.22	0
12/11/20 5:48	5.012	144.1	9.09	3.629	29.22	0.01
12/11/20 6:10	5.869	130.8	7.801	3.537	29.22	0.01
12/11/20 6:24	6.052	123.7	8.39	3.447	29.22	0
12/11/20 6:31	5.432	120.8	8.16	3.426	29.22	0
12/11/20 6:57	5.623	129.7	11.32	3.367	29.21	0
12/11/20 7:06	5.068	136.9	8.94	3.432	29.21	0
12/11/20 7:28	4.506	149.2	7.842	3.476	29.21	0
12/11/20 7:32	4.803	155.7	16.87	3.614	29.21	0
12/11/20 7:53	4.611	135.4	13.06	3.441	29.21	0
12/11/20 8:14	3.558	149.4	11.78	3.506	29.21	0
12/11/20 8:22	3.91	160.6	9.29	3.667	29.21	0
12/11/20 8:34	1.734	101.7	36.82	3.624	29.21	0
12/11/20 8:54	3.208	106.1	18.61	3.337	29.22	0
12/11/20 9:08	3.282	136	16.26	3.787	29.22	0
12/11/20 9:24	3.392	140.5	12.67	4.175	29.22	0
12/11/20 9:39	3.498	142.3	12.14	4.558	29.22	0
12/11/20 9:56	2.081	145.2	30.6	5.235	29.23	0
12/11/20 10:13	4.009	151	11.93	5.77	29.23	0
12/11/20 10:29	4.936	178	18.47	6.25	29.23	0
12/11/20 10:33	6.431	201.2	11.46	5.627	29.23	0
12/11/20 10:55	6.034	220.6	11.1	5.396	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
12/11/20 11:00	4.573	231.8	8.86	5.362	29.25	0
12/11/20 11:16	3.856	198.6	23.93	5.941	29.25	0
12/11/20 11:33	1.888	169.7	29.29	5.946	29.25	0
12/11/20 11:57	0.96	215.1	71.82	6.142	29.24	0
12/11/20 12:06	3.124	5.547	33.86	5.922	29.24	0
12/11/20 12:18	2.744	326.8	12.02	5.622	29.24	0
12/11/20 12:41	2.864	300.7	11.12	5.462	29.24	0
12/11/20 12:49	3.062	308.7	10.51	5.771	29.21	0
12/11/20 13:09	2.511	314.7	15.54	5.969	29.21	0
12/11/20 13:16	2.229	342	11.15	6.186	29.21	0
12/11/20 13:41	2.355	360	19.6	6.151	29.21	0
12/11/20 13:46	2.885	353.3	15.92	6.483	29.19	0
12/11/20 14:14	3.697	359.1	28.5	6.41	29.19	0
12/11/20 14:16	5.785	27.94	7.714	5.882	29.19	0
12/11/20 14:36	6.256	25.04	8.37	5.75	29.19	0
12/11/20 14:53	7.149	14.57	10.6	5.87	29.19	0
12/11/20 15:09	6.495	7.776	12.46	5.978	29.19	0
12/11/20 15:23	7.093	13.47	13.04	5.747	29.19	0
12/11/20 15:31	7.074	21.14	10.06	5.271	29.19	0
12/11/20 15:53	8.18	17.51	7.268	5.022	29.22	0
12/11/20 16:06	7.53	30.92	7.994	4.658	29.22	0
12/11/20 16:16	7.979	23.71	7.056	4.491	29.22	0
12/11/20 16:39	7.312	30.67	7.035	4.238	29.22	0
12/11/20 16:53	5.975	32.68	12.09	3.979	29.21	0
12/11/20 17:00	4.63	25.84	6.908	3.853	29.21	0
12/11/20 17:29	2.784	25.99	14.95	3.669	29.21	0
12/11/20 17:31	3.041	19.69	13.92	3.518	29.21	0
12/11/20 17:53	3.819	19.64	12.09	3.717	29.22	0
12/11/20 18:13	3.407	14.41	10.26	3.172	29.22	0
12/11/20 18:24	4.635	15.38	7.262	3.015	29.22	0
12/11/20 18:39	4.072	8.99	13.04	3.069	29.22	0
12/11/20 18:59	3.038	17.22	14.31	2.708	29.24	0
12/11/20 19:06	4.027	358	16.78	2.593	29.24	0
12/11/20 19:16	1.327	1.529	13.14	2.641	29.24	0
12/11/20 19:44	4.164	24.25	5.97	2.494	29.24	0
12/11/20 19:48	5.443	26.11	12.92	2.051	29.27	0
12/11/20 20:00	4.119	38.57	9.67	1.999	29.27	0
12/11/20 20:17	4.327	41.97	10.37	1.635	29.27	0
12/11/20 20:40	4.52	35.53	8.7	1.63	29.27	0
12/11/20 20:57	4.831	41.34	15.85	1.067	29.29	0
12/11/20 21:02	5.872	24.19	8.34	1.295	29.29	0
12/11/20 21:16	5.238	18.9	7.545	1.721	29.29	0
12/11/20 21:41	5.441	18.21	6.314	1.176	29.29	0
12/11/20 21:48	6.381	13.41	6.887	0.922	29.29	0
12/11/20 22:02	4.178	8.99	12.37	0.898	29.29	0
12/11/20 22:28	1.919	46.2	40.58	0.572	29.29	0
12/11/20 22:31	2.599	55.41	16.35	0.618	29.29	0
12/11/20 22:55	2.055	55.7	20.62	0.639	29.3	0
12/11/20 23:00	2.482	71.62	28.93	0.593	29.3	0
12/11/20 23:15	1.647	81	46.55	0.483	29.3	0
12/11/20 23:43	2.103	62.33	27.55	0.479	29.3	0
12/11/20 23:50	3.208	99.9	13.77	0.571	29.32	0
12/12/20 0:08	3.22	131.5	5.738	0.899	29.32	0
12/12/20 0:15	2.122	103.6	2.917	0.782	29.32	0
12/12/20 0:33	1.251	311.7	38.32	0.903	29.32	0
12/12/20 0:53	2.505	341.5	13.07	-0.525	29.3	0
12/12/20 1:13	3.19	322.1	10.11	0.13	29.3	0
12/12/20 1:15	3.311	356.3	25.65	-0.55	29.3	0
12/12/20 1:34	3.669	23.85	8.83	-0.526	29.3	0
12/12/20 1:56	2.939	3.512	28.25	-0.539	29.34	0
12/12/20 2:03	2.788	20.09	30.7	-0.104	29.34	0
12/12/20 2:25	2.577	46.88	9.86	-0.659	29.34	0
12/12/20 2:44	2.535	71.93	15.78	-0.641	29.34	0
12/12/20 2:48	2.527	66.72	19.38	-0.74	29.36	0
12/12/20 3:09	2.554	35.58	22.34	-0.903	29.36	0
12/12/20 3:15	1.627	15.11	14.15	-1.115	29.36	0
12/12/20 3:42	1.981	186.5	27.79	-0.523	29.36	0
12/12/20 3:45	0.983	118	29.56	-0.754	29.37	0
12/12/20 4:10	1.84	127.9	8.43	-1.008	29.37	0
12/12/20 4:30	4.595	149.4	11.94	-1.365	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
12/12/20 4:30	5.14	137.7	11.65	-1.08	29.37	0
12/12/20 4:58	4.029	107.7	6.546	-0.933	29.4	0
12/12/20 5:02	5.639	116.9	5.255	-1.046	29.4	0
12/12/20 5:22	5.146	123.4	3.963	-0.572	29.4	0
12/12/20 5:30	3.905	97.4	13.82	-0.75	29.4	0
12/12/20 5:59	4.111	99.6	12.65	-0.575	29.4	0
12/12/20 6:01	4.637	117.6	11.17	-0.011	29.4	0
12/12/20 6:18	5.221	94.5	11.41	0.045	29.4	0
12/12/20 6:39	5.991	124.2	10.02	0.459	29.4	0
12/12/20 6:48	6.278	138.6	7.031	0.834	29.42	0
12/12/20 7:01	6.037	148.8	6.901	1.034	29.42	0
12/12/20 7:15	4.354	118.2	14.94	0.394	29.42	0
12/12/20 7:44	4.08	93	13.93	-0.379	29.42	0
12/12/20 7:48	6.44	109.6	3.601	0.388	29.38	0
12/12/20 8:00	3.668	111.1	12.76	0.838	29.38	0
12/12/20 8:26	5.559	140.4	6.68	0.977	29.38	0
12/12/20 8:30	4.525	145.5	7.763	0.981	29.38	0
12/12/20 8:58	3.524	170.7	12.23	1.088	29.4	0
12/12/20 9:01	3.238	161.5	8.58	1.072	29.4	0
12/12/20 9:19	2.614	152.8	8.01	1.611	29.4	0
12/12/20 9:30	2.029	84.9	42.64	1.803	29.4	0
12/12/20 9:51	1.588	67.22	21.31	1.82	29.4	0
12/12/20 10:12	1.7	89.6	19.95	2.481	29.4	0.01
12/12/20 10:25	2.487	56.53	8.71	2.264	29.4	0
12/12/20 10:39	2.808	30.6	11.26	1.84	29.4	0
12/12/20 10:56	3.269	29.36	10.55	2.455	29.37	0
12/12/20 11:01	2.441	29.11	15.92	2.402	29.37	0
12/12/20 11:15	2.043	35.07	6.035	2.755	29.37	0
12/12/20 11:41	1.633	6.418	23.17	3.385	29.37	0
12/12/20 11:48	1.886	18.86	18.67	3.099	29.33	0
12/12/20 12:08	2.093	339.5	29.39	4.437	29.33	0
12/12/20 12:23	3.18	352.9	21.15	4.304	29.33	0
12/12/20 12:37	2.633	19.53	7.858	3.897	29.33	0
12/12/20 12:59	2.481	28.2	7.821	3.825	29.31	0
12/12/20 13:04	3.314	22.48	7.39	3.72	29.31	0
12/12/20 13:28	3.469	31.5	7.003	3.888	29.31	0
12/12/20 13:38	4.538	17.67	11.24	3.537	29.31	0
12/12/20 13:45	2.471	13.26	15.79	3.76	29.27	0
12/12/20 14:02	3.845	21.77	13.28	3.866	29.27	0
12/12/20 14:28	3.844	18.22	10.6	3.897	29.27	0
12/12/20 14:32	3.319	22.53	5.232	3.946	29.27	0
12/12/20 14:48	3.67	26.09	6.884	3.945	29.26	0
12/12/20 15:01	2.335	20.09	21.48	4.098	29.26	0
12/12/20 15:22	3.296	24.61	20.06	3.85	29.26	0
12/12/20 15:40	4.181	34.24	7.798	3.314	29.26	0
12/12/20 15:55	3.994	51.17	25.45	3.195	29.27	0
12/12/20 16:00	3.135	50.06	18.63	3.193	29.27	0
12/12/20 16:19	2.813	84.5	26.93	3.678	29.27	0
12/12/20 16:44	3.625	116.7	20.61	4.41	29.27	0
12/12/20 16:46	8.12	117.8	13.15	4.729	29.27	0
12/12/20 17:02	7.958	114.6	10.51	4.654	29.27	0
12/12/20 17:28	8.02	124.3	10.57	4.504	29.27	0
12/12/20 17:41	9.43	128.3	8.73	4.889	29.27	0
12/12/20 17:58	9.48	128.4	8.1	4.793	29.26	0
12/12/20 18:09	10.2	122.2	9.34	4.766	29.26	0
12/12/20 18:18	11.58	115	10.65	4.66	29.26	0
12/12/20 18:39	14.37	119.1	10.91	4.708	29.26	0
12/12/20 18:45	14.09	120.6	10.91	4.876	29.24	0
12/12/20 19:10	13.05	124.5	9.73	4.87	29.24	0
12/12/20 19:15	13.14	126.4	10.02	4.894	29.24	0
12/12/20 19:30	10.73	124.6	12.55	4.728	29.24	0
12/12/20 19:47	7.754	123.8	14.91	4.563	29.2	0
12/12/20 20:09	7.594	133.2	16.32	4.757	29.2	0
12/12/20 20:25	6.635	96	17.67	4.732	29.2	0
12/12/20 20:43	5.572	138.2	18.27	4.697	29.2	0
12/12/20 20:50	5.139	137.4	23.93	5.225	29.14	0
12/12/20 21:09	6.665	122	15.94	5.257	29.14	0
12/12/20 21:19	7.594	118.3	16.23	5.39	29.14	0
12/12/20 21:42	8.4	137.9	18.26	5.508	29.14	0
12/12/20 21:59	8.65	137.7	12.51	5.855	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
12/12/20 22:06	8.49	127.7	36.81	5.947	29.09	0
12/12/20 22:27	6.428	120.3	29.46	5.712	29.09	0
12/12/20 22:41	9.4	138	12.33	6.129	29.09	0
12/12/20 22:55	9.53	145.2	13.57	6.001	29.1	0
12/12/20 23:01	10.05	122.7	15.45	5.762	29.1	0
12/12/20 23:26	13.78	120.3	12.14	5.842	29.1	0
12/12/20 23:30	14.11	125.3	11.58	5.91	29.1	0
12/12/20 23:58	13.98	131.1	10.82	5.954	29.12	0
12/13/20 0:00	15.47	128.7	9.92	6.018	29.12	0
12/13/20 0:17	13.81	127.4	11.87	5.893	29.12	0
12/13/20 0:33	13.98	131.1	14.19	5.904	29.12	0
12/13/20 0:57	18.4	148.5	9.43	5.722	29.12	0
12/13/20 1:06	20.37	137.5	14.04	5.807	29.12	0
12/13/20 1:17	15.86	118.2	10.87	5.366	29.12	0
12/13/20 1:43	15.07	121.7	13.49	4.556	29.12	0
12/13/20 1:50	14.59	119.1	10.68	3.884	29.1	0
12/13/20 2:07	14.39	119.6	11.86	3.063	29.1	0.02
12/13/20 2:18	14.74	111.4	14.26	2.638	29.1	0.01
12/13/20 2:36	12.56	114.5	10.92	2.783	29.1	0.01
12/13/20 2:48	11.32	110.9	12.59	3.098	29.08	0.01
12/13/20 3:07	14.13	116	12.69	3.268	29.08	0.01
12/13/20 3:26	15.1	113.7	11.77	3.372	29.08	0.01
12/13/20 3:35	16.82	121.7	11.48	3.361	29.08	0.01
12/13/20 3:52	16.64	126.1	10.12	3.238	29.08	0.01
12/13/20 4:02	15.01	121.4	11.73	3.262	29.08	0.01
12/13/20 4:15	12.23	113.5	14.51	3.286	29.08	0
12/13/20 4:43	12.22	106.6	14.45	3.393	29.08	0
12/13/20 4:58	12.6	118.6	14.12	3.55	29.08	0
12/13/20 5:10	16.44	125.1	9.86	3.687	29.08	0
12/13/20 5:15	15.51	119.7	12.27	3.888	29.08	0
12/13/20 5:38	15.95	119.1	12.37	4.03	29.08	0
12/13/20 5:46	10.64	101.5	31.39	4.104	29.07	0
12/13/20 6:13	3.932	67.3	44.49	3.701	29.07	0
12/13/20 6:26	14.3	120.5	15.77	4.337	29.07	0
12/13/20 6:39	19.59	120.3	10.9	4.336	29.07	0
12/13/20 6:51	18.05	123	11.09	4.318	29.08	0
12/13/20 7:00	18.65	120.1	10.97	4.424	29.08	0
12/13/20 7:22	17.84	120	11.3	4.312	29.08	0
12/13/20 7:32	15.95	115.6	11.67	4.234	29.08	0
12/13/20 7:45	13.19	118.9	12.62	4.279	29.07	0
12/13/20 8:12	17.26	117.8	11.09	4.509	29.07	0
12/13/20 8:18	16.02	118.4	11.51	4.497	29.07	0
12/13/20 8:31	13.31	120.1	11.71	3.925	29.07	0.02
12/13/20 8:50	10.33	107.1	16.82	3.754	29.1	0
12/13/20 9:11	14.66	135.9	11.31	3.674	29.1	0.03
12/13/20 9:24	13.66	128.3	11.97	3.374	29.1	0
12/13/20 9:42	13.17	111.5	13.24	3.286	29.1	0.01
12/13/20 9:49	14.11	121.1	12.5	3.15	29.11	0.01
12/13/20 10:08	15.58	128.8	12.46	2.822	29.11	0.01
12/13/20 10:24	15.86	118.2	10.91	2.969	29.11	0.01
12/13/20 10:37	17.31	123.3	12.46	3.187	29.11	0.01
12/13/20 10:55	15.75	117.5	11.72	3.025	29.13	0.01
12/13/20 11:05	13.64	127.5	13.01	3.001	29.13	0.02
12/13/20 11:22	15.9	126.2	11.44	2.817	29.13	0.01
12/13/20 11:39	16.16	118.9	11.74	2.899	29.13	0
12/13/20 11:56	16.52	120.6	10.77	3.132	29.13	0
12/13/20 12:04	17.51	118.9	9.61	3.195	29.13	0
12/13/20 12:27	18.69	120.5	10.41	3.802	29.13	0
12/13/20 12:30	18.21	116.1	10.36	3.721	29.13	0
12/13/20 12:56	15.69	116.1	10.5	3.527	29.12	0
12/13/20 13:03	15.57	116.5	10	3.813	29.12	0
12/13/20 13:15	14.61	117.2	10.6	4.38	29.12	0
12/13/20 13:39	11.67	123.7	10.65	4.701	29.12	0
12/13/20 13:46	9.62	122.3	10.88	4.906	29.12	0
12/13/20 14:10	9.38	133.4	11.58	5.14	29.12	0
12/13/20 14:22	10.3	134.7	13.2	5.15	29.12	0
12/13/20 14:36	11.17	118.5	9.55	5.456	29.12	0
12/13/20 14:49	9.1	123.3	11.53	5.581	29.12	0
12/13/20 15:06	8.49	137.9	10.83	5.243	29.12	0
12/13/20 15:26	8.16	132.1	10.39	5.131	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
12/13/20 15:42	8.53	131.8	9.7	5.384	29.12	0
12/13/20 15:52	8.26	132.7	9.09	5.439	29.15	0
12/13/20 16:09	7.602	142.9	9.92	5.406	29.15	0
12/13/20 16:15	5.657	130.5	14.18	5.714	29.15	0
12/13/20 16:39	4.286	146.7	19.7	5.71	29.15	0
12/13/20 16:58	6.244	163.2	13.69	5.453	29.14	0
12/13/20 17:11	7.112	158.5	21.44	5.375	29.14	0
12/13/20 17:23	5.612	167.3	26.24	5.025	29.14	0
12/13/20 17:34	5.655	175.9	15.5	4.833	29.14	0
12/13/20 17:55	5.621	157.9	20.59	4.508	29.16	0.01
12/13/20 18:05	5.83	121.8	8.21	4.928	29.16	0
12/13/20 18:23	6.581	120.3	9.44	5.058	29.16	0
12/13/20 18:38	7.292	124.6	9.27	5.171	29.16	0
12/13/20 18:50	6.943	135.3	8.46	5.294	29.19	0
12/13/20 19:04	7.337	129.8	8.4	5.399	29.19	0
12/13/20 19:28	6.679	138	7.741	5.337	29.19	0
12/13/20 19:38	6.932	136.5	8.49	5.295	29.19	0
12/13/20 19:52	6.635	135.4	9.04	5.265	29.2	0
12/13/20 20:00	5.948	153.6	10.91	4.751	29.2	0
12/13/20 20:19	5.827	163.9	13.78	4.491	29.2	0
12/13/20 20:42	6.471	133.8	9.98	4.721	29.2	0.01
12/13/20 20:56	7.008	134.7	7.011	5.054	29.21	0
12/13/20 21:05	6.892	135.5	8.01	4.975	29.21	0
12/13/20 21:23	6.99	143	8.83	5.018	29.21	0
12/13/20 21:41	6.444	133	7.772	4.981	29.21	0
12/13/20 21:46	6.503	122.5	7.223	5.313	29.23	0
12/13/20 22:06	6.049	124.6	8.54	5.477	29.23	0
12/13/20 22:24	5.524	132.7	9.13	5.578	29.23	0
12/13/20 22:43	5.565	127.4	8.97	5.732	29.23	0
12/13/20 22:58	6.091	133.6	7.656	5.575	29.27	0
12/13/20 23:02	5.545	140.2	6.975	5.411	29.27	0
12/13/20 23:15	5.291	142.4	8.04	5.474	29.27	0
12/13/20 23:32	4.973	136.2	6.737	5.542	29.27	0
12/13/20 23:53	5.127	138.5	11.14	5.548	29.26	0
12/14/20 0:15	5.514	133.9	10.24	5.472	29.26	0
12/14/20 0:15	5.692	138.1	8.14	5.266	29.26	0
12/14/20 0:43	5.394	134.1	6.245	5.272	29.26	0
12/14/20 0:47	5.607	136.8	7.009	5.373	29.27	0.01
12/14/20 1:03	5.468	135.3	10.78	5.482	29.27	0
12/14/20 1:25	6.025	134	7.762	5.518	29.27	0
12/14/20 1:33	6.027	129.7	7.619	5.618	29.27	0
12/14/20 1:45	6.41	133.8	9.54	5.723	29.29	0
12/14/20 2:06	5.391	132.6	7.65	5.702	29.29	0
12/14/20 2:22	5.991	149.8	14.85	5.623	29.29	0
12/14/20 2:40	6.241	145	9.41	5.448	29.29	0.01
12/14/20 2:51	5.969	156.5	8.78	5.093	29.31	0.02
12/14/20 3:01	4.691	138	11.31	4.896	29.31	0.04
12/14/20 3:21	3.547	111.5	7.069	4.945	29.31	0.03
12/14/20 3:35	4.298	119.6	9.93	4.97	29.31	0.01
12/14/20 3:57	5.944	135.1	8.77	5.146	29.3	0.02
12/14/20 4:07	6.474	136.7	6.181	5.2	29.3	0.01
12/14/20 4:29	7.037	136.1	6.847	5.233	29.3	0
12/14/20 4:37	7.373	140	7.609	5.228	29.3	0
12/14/20 4:59	7.131	142	6.944	5.239	29.34	0
12/14/20 5:13	6.089	149.3	9.26	5.318	29.34	0
12/14/20 5:18	6.09	150.8	10.58	5.383	29.34	0
12/14/20 5:40	5.59	157.9	9.72	5.443	29.34	0
12/14/20 5:59	6.09	147.7	8.44	5.463	29.35	0.01
12/14/20 6:07	7.29	144	7.024	5.484	29.35	0
12/14/20 6:27	7.504	147.9	8.34	5.512	29.35	0
12/14/20 6:32	7.05	151.6	10.49	5.555	29.35	0
12/14/20 6:59	7.338	168.2	14.9	5.542	29.35	0
12/14/20 7:01	6.16	177.4	11.63	5.583	29.35	0
12/14/20 7:17	6.15	173	9.99	5.633	29.35	0
12/14/20 7:32	5.202	157.6	13.47	5.652	29.35	0
12/14/20 7:58	5.974	169	10.18	5.681	29.38	0
12/14/20 8:02	6.545	171.7	9.32	5.707	29.38	0
12/14/20 8:15	6.971	175	12.92	5.692	29.38	0.01
12/14/20 8:30	5.445	173.1	9.31	5.716	29.38	0
12/14/20 8:55	6.293	159.2	8.96	5.749	29.39	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/14/20 9:14	7.127	164.1	13.45	5.799	29.39	0
12/14/20 9:17	6.856	159.9	10.79	5.858	29.39	0
12/14/20 9:34	5.828	161	13.4	5.847	29.39	0
12/14/20 9:46	5.779	159.6	9.13	5.86	29.44	0
12/14/20 10:09	5.928	143	9.12	5.894	29.44	0.01
12/14/20 10:28	6.729	158.3	9.79	5.947	29.44	0
12/14/20 10:37	8	161.9	7.77	6.186	29.44	0
12/14/20 10:56	6.524	159.3	9.53	6.216	29.43	0
12/14/20 11:12	5.976	149.5	11.12	6.293	29.43	0
12/14/20 11:15	7.016	170.2	8.19	6.376	29.43	0
12/14/20 11:35	6.502	175.9	11.46	6.432	29.43	0
12/14/20 11:58	7.463	175.5	10.02	6.573	29.43	0
12/14/20 12:03	8.02	174.1	10.13	6.716	29.43	0
12/14/20 12:26	8.04	182.5	11.37	6.793	29.43	0.01
12/14/20 12:33	8.19	189.8	9.37	7.184	29.43	0
12/14/20 12:50	7.574	177.2	10.36	7.559	29.4	0
12/14/20 13:10	8.49	171.7	11.53	7.906	29.4	0
12/14/20 13:24	9.48	181.3	9.93	7.918	29.4	0
12/14/20 13:42	8.87	191.3	11.95	8.3	29.4	0
12/14/20 13:49	12.19	176.1	8.03	8.35	29.4	0
12/14/20 14:03	9.44	169	10.3	8.41	29.4	0
12/14/20 14:28	8.09	169.8	8.76	8.33	29.4	0
12/14/20 14:32	8.39	172.2	11.23	8.34	29.4	0
12/14/20 14:46	8.6	184.4	10.45	8.1	29.41	0
12/14/20 15:02	8.21	176.5	9.21	7.686	29.41	0
12/14/20 15:17	7.787	185.9	8.28	7.435	29.41	0
12/14/20 15:44	7.379	188.2	8.12	7.431	29.41	0
12/14/20 15:46	6.976	166.5	10.84	6.791	29.41	0
12/14/20 16:04	4.895	169.8	6.928	6.623	29.41	0
12/14/20 16:23	5.805	169.4	4.994	6.473	29.41	0
12/14/20 16:31	3.882	139.6	17.14	6.204	29.41	0
12/14/20 16:59	4.136	126.9	10.32	5.792	29.43	0
12/14/20 17:13	5.623	122.9	6.622	5.88	29.43	0
12/14/20 17:21	6.552	124.3	6.756	5.935	29.43	0
12/14/20 17:44	5.912	136.5	5.748	5.804	29.43	0
12/14/20 17:48	5.228	132	5.94	5.704	29.39	0
12/14/20 18:05	5.235	128.4	6.997	5.731	29.39	0
12/14/20 18:29	5.492	123.1	6.239	5.769	29.39	0
12/14/20 18:38	6.28	126.3	7.041	5.778	29.39	0
12/14/20 18:48	6.242	132.2	9.64	5.64	29.39	0
12/14/20 19:04	6.294	141.6	6.143	5.298	29.39	0
12/14/20 19:18	5.515	138.1	5.218	5.188	29.39	0
12/14/20 19:40	5.679	137.5	6.017	5.327	29.39	0
12/14/20 19:47	5.133	138.7	5.767	5.478	29.4	0
12/14/20 20:03	4.724	147.8	8.85	5.361	29.4	0
12/14/20 20:22	5.678	131.7	9.79	5.246	29.4	0
12/14/20 20:34	6.159	137.4	7.284	5.257	29.4	0
12/14/20 20:49	5.401	137.9	6.461	5.243	29.36	0
12/14/20 21:00	4.993	131.3	6.723	5.429	29.36	0
12/14/20 21:23	5.584	136.8	6.885	5.617	29.36	0
12/14/20 21:32	5.951	137.5	5.749	5.474	29.36	0
12/14/20 21:47	5.837	129.3	6.017	5.444	29.37	0
12/14/20 22:08	5.95	130.8	8.64	5.594	29.37	0
12/14/20 22:23	6.21	129.4	7.682	5.692	29.37	0
12/14/20 22:32	6.248	134.4	8.04	5.64	29.37	0
12/14/20 22:56	6.732	121.2	7.47	5.821	29.36	0
12/14/20 23:11	8.32	122.9	8	6.062	29.36	0
12/14/20 23:17	7.154	132.9	7.909	5.964	29.36	0
12/14/20 23:41	7.658	150.8	14.32	5.759	29.36	0
12/14/20 23:51	9.36	146.9	10.13	5.418	29.32	0
12/15/20 0:03	8.76	132.4	8.6	5.497	29.32	0
12/15/20 0:15	6.976	121.5	10.79	5.501	29.32	0
12/15/20 0:42	9.46	118.2	8.71	5.622	29.32	0
12/15/20 0:48	9.52	121.4	7.906	5.965	29.28	0
12/15/20 1:13	9.07	127.4	11.15	5.893	29.28	0
12/15/20 1:28	10.85	125.7	11.05	6.128	29.28	0
12/15/20 1:30	9.89	131.4	11.5	5.964	29.28	0
12/15/20 1:53	9.66	132.5	11.06	5.854	29.25	0
12/15/20 2:02	7.984	145.4	13.43	5.749	29.25	0
12/15/20 2:20	7.502	140.9	11.23	5.562	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
12/15/20 2:36	8.95	141.8	31.06	5.783	29.25	0
12/15/20 2:58	8.31	136.6	17.91	5.341	29.2	0
12/15/20 3:02	9.72	119	10.11	5.996	29.2	0
12/15/20 3:26	10.34	124.6	8.76	6.169	29.2	0
12/15/20 3:30	7.954	126.5	13.88	6.194	29.2	0
12/15/20 3:56	6.429	128.5	15.35	6.108	29.2	0
12/15/20 4:10	6.724	151.1	26.88	5.842	29.2	0
12/15/20 4:19	8.24	153.9	40.16	5.894	29.2	0
12/15/20 4:33	5.716	147	23.07	5.822	29.2	0
12/15/20 4:53	5.219	172.8	23.7	5.778	29.16	0
12/15/20 5:06	4.968	161	20.77	5.283	29.16	0.01
12/15/20 5:23	4.339	170.3	17.69	4.907	29.16	0.01
12/15/20 5:40	1.821	106.8	37.94	4.461	29.16	0
12/15/20 5:56	2.275	132.4	32.32	4.17	29.15	0.02
12/15/20 6:12	4.696	103.6	14.97	4.254	29.15	0.01
12/15/20 6:20	6.229	107.7	14.93	4.243	29.15	0.02
12/15/20 6:43	6.416	115.3	11.36	4.21	29.15	0
12/15/20 6:46	5.66	95	19.11	4.386	29.14	0.01
12/15/20 7:06	3.739	91.4	18.22	4.552	29.14	0
12/15/20 7:16	4.127	111	18.62	5.088	29.14	0.01
12/15/20 7:40	5.691	151.9	23.65	5.332	29.14	0.01
12/15/20 7:48	7.68	147.4	14.22	5.322	29.12	0.01
12/15/20 8:05	5.695	136.2	14.46	5.283	29.12	0.01
12/15/20 8:15	5.053	125.1	13.95	5.346	29.12	0
12/15/20 8:40	5.514	123.1	8.56	5.436	29.12	0.01
12/15/20 8:53	5.534	123.7	8.81	5.61	29.14	0.01
12/15/20 9:12	6.118	127	9.18	5.823	29.14	0
12/15/20 9:26	7.601	131.1	7.512	5.873	29.14	0.01
12/15/20 9:41	9.54	137.3	10.71	6.001	29.14	0.01
12/15/20 9:57	8.79	150	10.82	6.133	29.18	0.01
12/15/20 10:00	7.43	146.7	12.96	6.112	29.18	0.01
12/15/20 10:23	8.86	150.4	14.6	6.183	29.18	0.01
12/15/20 10:35	7.638	147.2	12.14	6.285	29.18	0.01
12/15/20 10:48	9.08	157.2	13.24	6.335	29.16	0.01
12/15/20 11:12	8.85	145.2	10.72	6.317	29.16	0.01
12/15/20 11:23	8.95	140.2	10.62	6.347	29.16	0
12/15/20 11:44	9.37	149.7	10.2	6.604	29.16	0.01
12/15/20 11:59	9.86	158.4	9.17	6.697	29.18	0
12/15/20 12:08	9.14	162.5	9.04	6.74	29.18	0
12/15/20 12:22	9.89	166.9	9.32	6.604	29.18	0.02
12/15/20 12:44	11.19	170.2	8.4	6.577	29.18	0.01
12/15/20 12:45	13.22	175.5	8.24	6.589	29.18	0.03
12/15/20 13:10	13.54	177	7.341	6.581	29.18	0.01
12/15/20 13:28	14.67	166.7	7.73	6.764	29.18	0.01
12/15/20 13:38	15.66	171.9	8.52	6.87	29.18	0
12/15/20 13:58	13.84	167.1	8.75	6.987	29.19	0
12/15/20 14:12	12.81	168.6	9.46	7.291	29.19	0
12/15/20 14:16	12.86	172	10.36	7.257	29.19	0
12/15/20 14:44	13.12	173.1	8.77	7.206	29.19	0.01
12/15/20 14:55	13.59	173.6	9.14	7.147	29.23	0.01
12/15/20 15:00	10.45	176.2	7.731	7.1	29.23	0.03
12/15/20 15:16	9.59	169.5	8.38	7.069	29.23	0.02
12/15/20 15:38	9.41	177.7	10.69	7.068	29.23	0.03
12/15/20 15:49	14.11	207.7	10.92	7.117	29.22	0.02
12/15/20 16:08	11.96	200.4	7.316	6.958	29.22	0.02
12/15/20 16:19	10.26	204.5	10.97	6.881	29.22	0.01
12/15/20 16:43	8.96	225.8	7.535	6.728	29.22	0.04
12/15/20 16:45	9.17	209.3	25.62	6.63	29.25	0.04
12/15/20 17:14	9.04	174.2	14.62	6.561	29.25	0.03
12/15/20 17:19	12.35	174.9	10.14	6.919	29.25	0
12/15/20 17:39	10.17	158.9	12.28	6.874	29.25	0
12/15/20 17:47	9.87	140.6	7.405	6.662	29.27	0
12/15/20 18:08	8.87	139.8	7.663	6.592	29.27	0
12/15/20 18:16	8.83	157.5	10.32	6.659	29.27	0
12/15/20 18:39	9.47	161.2	9.44	6.764	29.27	0
12/15/20 18:54	10.13	160.8	7.252	6.891	29.26	0
12/15/20 19:14	10.34	161.4	7.192	6.811	29.26	0
12/15/20 19:22	12.45	159.9	7.199	6.93	29.26	0
12/15/20 19:43	11.49	160.5	7.554	6.849	29.26	0
12/15/20 19:59	13.13	164.3	6.322	6.864	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
12/15/20 20:13	12.32	165.9	6.841	6.84	29.29	0
12/15/20 20:15	10.46	161.2	7.627	6.861	29.29	0
12/15/20 20:32	9.21	157.5	8.37	6.752	29.29	0
12/15/20 20:53	9.62	162.7	8.78	6.906	29.3	0
12/15/20 21:07	8.73	141.9	7.682	6.771	29.3	0
12/15/20 21:29	8.2	136.8	7.735	6.61	29.3	0
12/15/20 21:39	9.4	137.3	7.413	6.727	29.3	0
12/15/20 21:53	9.85	142.3	7.874	6.842	29.31	0
12/15/20 22:13	9.75	141.3	6.392	6.699	29.31	0
12/15/20 22:21	9.61	172.4	30.51	6.761	29.31	0
12/15/20 22:45	5.653	183.3	44.2	6.548	29.31	0.01
12/15/20 22:50	9.03	146.6	8.18	6.536	29.32	0
12/15/20 23:00	8.67	142.8	6.381	6.499	29.32	0
12/15/20 23:19	9.15	150.3	10.74	6.561	29.32	0
12/15/20 23:38	8.63	166.9	7.039	6.594	29.32	0
12/15/20 23:48	8.05	167.6	7.453	6.575	29.32	0.01
12/16/20 0:14	7.802	161.9	8.41	6.77	29.32	0.01
12/16/20 0:30	7.466	159.5	8.96	6.756	29.32	0
12/16/20 0:30	9.4	160.9	10.05	6.885	29.32	0
12/16/20 0:47	9.72	164.5	6.658	6.96	29.33	0
12/16/20 1:00	7.545	150	11.36	6.695	29.33	0
12/16/20 1:21	5.606	132.6	7.968	6.54	29.33	0
12/16/20 1:42	6.309	129.7	9.88	6.509	29.33	0.01
12/16/20 1:55	7.903	140.4	9.54	6.564	29.31	0
12/16/20 2:09	8.72	145.2	8.42	6.481	29.31	0
12/16/20 2:20	8.07	154.1	8.38	6.485	29.31	0
12/16/20 2:33	4.971	141.9	13.63	6.369	29.31	0.01
12/16/20 2:56	2.755	108.3	18.06	6.182	29.32	0
12/16/20 3:06	6.885	136.5	18.36	6.492	29.32	0
12/16/20 3:20	4.422	123.7	7.672	6.467	29.32	0
12/16/20 3:43	5.061	122.2	8.33	6.391	29.32	0
12/16/20 3:52	7.755	155.7	11.96	6.507	29.28	0
12/16/20 4:03	4.177	135	12.14	6.297	29.28	0
12/16/20 4:15	3.21	109.8	17.46	6.174	29.28	0.01
12/16/20 4:44	4.065	99.1	12.68	6.168	29.28	0
12/16/20 4:53	5.512	112.8	10.82	6.421	29.28	0
12/16/20 5:12	6.646	120.8	6.249	6.601	29.28	0
12/16/20 5:29	7.533	116.2	8.26	6.847	29.28	0
12/16/20 5:34	6.505	119.4	8.78	7.029	29.28	0
12/16/20 5:46	6.004	120.7	7.729	7.066	29.24	0
12/16/20 6:14	6.727	144.7	11.45	7.146	29.24	0
12/16/20 6:15	4.886	137.3	21.42	7.132	29.24	0
12/16/20 6:44	3.912	106.7	5.707	7.136	29.24	0
12/16/20 6:56	6.326	99.5	6.765	7.42	29.22	0
12/16/20 7:07	6.95	106	7.096	7.602	29.22	0
12/16/20 7:25	6.008	102.1	7.059	7.602	29.22	0
12/16/20 7:36	5.857	105.8	8.2	7.611	29.22	0
12/16/20 7:48	4.784	134.1	15.13	7.62	29.18	0
12/16/20 8:05	4.831	141.1	17.96	7.743	29.18	0
12/16/20 8:15	3.246	140.5	25.34	7.314	29.18	0
12/16/20 8:43	2.332	117.7	18.15	6.861	29.18	0
12/16/20 8:59	3.297	133.8	19.7	6.627	29.15	0
12/16/20 9:11	6.243	150.1	10.23	7.236	29.15	0
12/16/20 9:22	6.2	146.1	14.67	7.327	29.15	0
12/16/20 9:42	5.239	145.9	16.45	7.498	29.15	0
12/16/20 9:55	6.021	140.1	10.12	7.729	29.16	0
12/16/20 10:14	7.086	139.9	9.73	7.768	29.16	0
12/16/20 10:18	7.933	117	10.65	8.04	29.16	0
12/16/20 10:42	8.36	124.1	8.63	8.29	29.16	0
12/16/20 10:55	9.71	111.2	11.33	8.39	29.1	0
12/16/20 11:10	9.68	111.3	10.8	8.74	29.1	0
12/16/20 11:20	7.938	111.7	11.32	9.12	29.1	0
12/16/20 11:33	6.147	104.9	13.1	8.88	29.1	0
12/16/20 11:45	3.838	98.2	20.62	8.46	29.03	0
12/16/20 12:14	5.96	127.1	25.25	8.73	29.03	0
12/16/20 12:29	7.184	115.3	16.72	8.89	29.03	0
12/16/20 12:32	13.22	112.2	10.59	9.26	29.03	0
12/16/20 12:59	12.8	115.5	10.48	9.41	28.96	0
12/16/20 13:13	11.89	113.6	16.3	9.14	28.96	0
12/16/20 13:19	12.86	122.6	13	9.01	28.96	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
12/16/20 13:38	12.61	119.4	11.35	8.36	28.96	0.02
12/16/20 13:47	11.07	109.2	10.14	7.969	28.9	0.02
12/16/20 14:13	10.01	106.8	10.47	7.647	28.9	0.02
12/16/20 14:16	11.71	113.8	12.09	7.623	28.9	0.02
12/16/20 14:43	9.85	114.5	11.14	7.344	28.9	0.02
12/16/20 14:49	13.07	97.6	10.26	7.559	28.81	0.02
12/16/20 15:14	14.04	99.1	11.03	7.505	28.81	0.02
12/16/20 15:27	17.89	105.5	10.88	7.873	28.81	0.02
12/16/20 15:41	19.16	109.2	10.32	8.09	28.81	0.01
12/16/20 15:59	19.41	112.5	10.52	7.87	28.76	0.01
12/16/20 16:04	21.91	113.6	11.11	7.553	28.76	0.02
12/16/20 16:15	21.54	112.1	10.94	7.237	28.76	0.02
12/16/20 16:38	21.31	112.1	10.57	7.102	28.76	0.02
12/16/20 16:50	21.44	114.1	9.76	7.078	28.71	0.02
12/16/20 17:04	19.45	109.5	11.15	6.943	28.71	0.02
12/16/20 17:17	20.52	113.2	10.21	7.078	28.71	0.02
12/16/20 17:40	19.73	111.7	10.51	7.139	28.71	0.01
12/16/20 17:57	22.1	115.3	9.95	7.366	28.69	0.01
12/16/20 18:02	19.21	110.7	11.82	7.493	28.69	0
12/16/20 18:22	17.85	119.1	9.94	7.525	28.69	0
12/16/20 18:30	16.5	123.7	11.06	7.369	28.69	0
12/16/20 18:45	12.94	129.7	10.42	7.309	28.71	0
12/16/20 19:08	9.92	147.5	11.33	7.333	28.71	0.01
12/16/20 19:19	8.77	133.9	25.32	7.008	28.71	0
12/16/20 19:43	9.04	126.8	8.11	7.314	28.71	0.01
12/16/20 19:54	8.95	136.5	8.59	7.858	28.72	0
12/16/20 20:14	8.11	135.3	8.1	7.835	28.72	0
12/16/20 20:29	8.19	138.1	8.46	7.835	28.72	0.01
12/16/20 20:35	9.25	122.3	9.57	7.675	28.72	0
12/16/20 20:58	10.4	126.9	10.81	7.857	28.75	0
12/16/20 21:04	11.9	157.7	9.27	8.54	28.75	0
12/16/20 21:28	15.18	160.8	11.34	8.93	28.75	0
12/16/20 21:34	19.17	182.3	10.3	8.97	28.75	0
12/16/20 21:49	21.4	193.6	10.38	8.79	28.78	0
12/16/20 22:12	18.39	204.5	11.44	8.56	28.78	0
12/16/20 22:15	16.7	209.8	8.43	8.27	28.78	0
12/16/20 22:42	14.76	183.6	16.2	8.1	28.78	0
12/16/20 22:45	17.98	187.4	10.23	7.874	28.81	0
12/16/20 23:04	18.35	181.4	10.36	7.614	28.81	0
12/16/20 23:18	15.12	176.3	10.49	7.292	28.81	0
12/16/20 23:37	12.52	180.8	10.74	7.208	28.81	0
12/16/20 23:57	13.1	180.4	10.17	7.161	28.83	0
12/17/20 0:13	14.13	179.4	10.48	7.07	28.83	0
12/17/20 0:16	18.09	185.7	8.19	7.026	28.83	0
12/17/20 0:43	16.95	182.6	9.62	6.898	28.83	0
12/17/20 0:57	15.62	178.9	7.594	6.768	28.85	0
12/17/20 1:14	15.61	177.6	10.47	6.682	28.85	0
12/17/20 1:18	15.63	173.8	8.88	6.648	28.85	0
12/17/20 1:39	15.42	169.5	8.97	6.657	28.85	0
12/17/20 1:59	17.46	172.6	8.97	6.664	28.86	0
12/17/20 2:00	17.8	177.2	8.74	6.729	28.86	0
12/17/20 2:29	16.29	168.4	10.73	6.643	28.86	0
12/17/20 2:30	18.13	169.2	10.05	6.576	28.86	0
12/17/20 2:47	15.68	163.1	9	6.481	28.86	0
12/17/20 3:12	14.58	161.2	8.24	6.372	28.86	0
12/17/20 3:29	14.82	165.5	8.49	6.367	28.86	0
12/17/20 3:44	15.39	162.8	9.65	6.186	28.86	0.01
12/17/20 3:50	19.05	166.2	9.03	6.159	28.88	0.01
12/17/20 4:06	18.42	162.8	8.6	6.039	28.88	0.01
12/17/20 4:25	16.34	167.9	8.93	5.981	28.88	0
12/17/20 4:41	17.57	172.4	8.63	5.887	28.88	0
12/17/20 4:59	16.64	173.5	8.25	5.736	28.87	0.01
12/17/20 5:01	17.46	174.3	9.4	5.663	28.87	0.01
12/17/20 5:23	19.31	171.5	9.14	5.557	28.87	0.02
12/17/20 5:40	17.21	169.9	10.62	5.443	28.87	0.02
12/17/20 5:53	16.78	169.1	11.23	5.354	28.91	0.03
12/17/20 6:14	15.38	158.8	11.96	5.23	28.91	0.02
12/17/20 6:20	14.47	159.9	11.32	5.188	28.91	0.01
12/17/20 6:30	13.26	153.3	12.67	5.079	28.91	0.01
12/17/20 6:46	13.31	157.1	12.15	5.133	28.95	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
12/17/20 7:11	11.83	160.6	14.57	5.173	28.95	0.01
12/17/20 7:27	13.05	164.7	11.4	5.367	28.95	0
12/17/20 7:42	11.63	159.8	7.97	5.391	28.95	0
12/17/20 7:54	8.79	153.5	15.91	5.375	28.95	0
12/17/20 8:00	10.74	144.9	10.61	5.266	28.95	0.02
12/17/20 8:19	10.42	159	13.9	5.48	28.95	0
12/17/20 8:38	9.52	157	13.31	5.603	28.95	0
12/17/20 8:46	10.72	166.7	11.63	5.765	29	0.01
12/17/20 9:00	10.32	167.8	8.94	5.849	29	0
12/17/20 9:21	10.36	171.2	11.34	5.954	29	0
12/17/20 9:43	11.84	176	10.86	6.109	29	0
12/17/20 9:49	11.01	178	8.16	6.165	29.04	0.01
12/17/20 10:08	10.9	179	10.36	6.266	29.04	0
12/17/20 10:22	9.5	177.7	9.29	6.365	29.04	0
12/17/20 10:40	8.94	185.1	9.51	6.453	29.04	0
12/17/20 10:47	10.53	190.8	9.4	6.566	29.07	0.01
12/17/20 11:07	9.86	193.6	9.43	6.519	29.07	0.01
12/17/20 11:28	8.54	195	8.75	6.453	29.07	0.01
12/17/20 11:32	7.603	195.4	8.04	6.729	29.07	0
12/17/20 11:46	5.377	166.8	9.34	6.831	29.1	0
12/17/20 12:13	7.112	160.2	5.767	6.941	29.1	0
12/17/20 12:20	6.681	158.2	7.519	7.067	29.1	0
12/17/20 12:33	3.214	133.2	40.87	7.119	29.1	0
12/17/20 12:55	1.71	64.49	32.9	6.925	29.12	0
12/17/20 13:09	3.033	52.51	9.9	6.742	29.12	0
12/17/20 13:25	2.916	64.13	11.79	6.642	29.12	0
12/17/20 13:34	2.271	75.06	15.74	6.682	29.12	0
12/17/20 13:50	1.555	50.99	18.94	6.77	29.12	0
12/17/20 14:11	0.868	346.3	38.48	6.902	29.12	0
12/17/20 14:22	4.061	179.7	30.01	7.562	29.12	0
12/17/20 14:34	5.33	189.1	13.88	7.935	29.12	0
12/17/20 14:51	6.942	187.2	12.24	8.03	29.15	0
12/17/20 15:06	6.557	184.7	11.59	7.962	29.15	0
12/17/20 15:20	7.465	187.3	8.7	7.917	29.15	0
12/17/20 15:30	7.775	188.3	10.28	7.853	29.15	0
12/17/20 15:46	6.87	179.3	7.862	7.795	29.19	0
12/17/20 16:12	6.863	175.4	10.52	7.735	29.19	0
12/17/20 16:28	9.35	183.3	7.404	7.423	29.19	0
12/17/20 16:30	8.49	184	5.765	7.228	29.19	0
12/17/20 16:53	6.93	172.3	8.34	7.23	29.23	0
12/17/20 17:08	6.582	169.2	6.882	7.191	29.23	0
12/17/20 17:15	5.94	170.5	7.856	7.123	29.23	0
12/17/20 17:43	7.491	189.7	8.71	7.085	29.23	0
12/17/20 17:50	9.41	204.1	8.28	7.124	29.23	0
12/17/20 18:03	8.84	204.8	7.225	7.055	29.23	0
12/17/20 18:20	6.635	188.7	8.22	6.964	29.23	0
12/17/20 18:35	6.846	187.1	9.52	6.975	29.23	0
12/17/20 18:55	7.462	190.6	8.68	6.964	29.26	0
12/17/20 19:06	8.5	193.1	9.03	6.884	29.26	0
12/17/20 19:26	7.144	196.5	7.768	6.877	29.26	0
12/17/20 19:40	9	180.9	11.39	6.878	29.26	0
12/17/20 19:48	10.2	178.2	9.4	6.768	29.31	0
12/17/20 20:08	11.19	173.8	9.73	6.561	29.31	0
12/17/20 20:29	9.86	173.2	7.384	6.505	29.31	0
12/17/20 20:33	8.86	170.4	9.55	6.574	29.31	0
12/17/20 20:54	9.62	177.8	9.55	6.575	29.32	0
12/17/20 21:03	9.53	187	10.94	6.528	29.32	0
12/17/20 21:25	8.26	180.9	12.46	6.465	29.32	0
12/17/20 21:34	9.74	184	10.14	6.436	29.32	0
12/17/20 21:49	7.989	177.3	7.764	6.371	29.37	0
12/17/20 22:10	8.84	165.5	7.55	6.418	29.37	0
12/17/20 22:16	8.05	159.6	10.16	6.395	29.37	0
12/17/20 22:32	9.03	154.8	9.57	6.328	29.37	0
12/17/20 22:55	9.42	147.4	7.985	6.292	29.36	0
12/17/20 23:07	9.25	161.2	11.75	6.372	29.36	0
12/17/20 23:23	8.87	157.4	10.98	6.319	29.36	0
12/17/20 23:35	9.1	159.4	9.61	6.38	29.36	0
12/17/20 23:59	9.68	156.9	10.4	6.307	29.38	0
12/18/20 0:05	8.79	158.9	10.5	6.257	29.38	0
12/18/20 0:23	8.74	165.7	11.45	6.14	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
12/18/20 0:39	9.65	175.1	8.9	6	29.38	0
12/18/20 0:55	9.29	179.1	8.9	5.837	29.38	0.01
12/18/20 1:09	8.63	170.9	9.46	5.701	29.38	0
12/18/20 1:16	6.359	160.4	9.58	5.502	29.38	0
12/18/20 1:35	6.433	153.9	8.68	5.42	29.38	0.01
12/18/20 1:51	6	142	7.708	5.275	29.4	0.01
12/18/20 2:00	6.305	138.6	6.415	5.227	29.4	0.01
12/18/20 2:18	6.321	139.6	7.187	5.191	29.4	0.01
12/18/20 2:38	7.383	135.8	9.47	5.205	29.4	0.01
12/18/20 2:58	7.494	137.5	6.183	5.174	29.37	0.01
12/18/20 3:01	7.233	134.4	7.627	5.157	29.37	0.01
12/18/20 3:17	7.366	137.1	7.106	5.173	29.37	0.01
12/18/20 3:40	7.258	132.1	8.99	5.189	29.37	0
12/18/20 3:59	7.242	140.9	10.89	5.279	29.37	0.01
12/18/20 4:02	9.08	142.6	10.01	5.645	29.37	0
12/18/20 4:23	7.267	137.2	8.41	5.628	29.37	0
12/18/20 4:35	7.963	143.3	7.122	5.558	29.37	0
12/18/20 4:55	7.526	136.6	8.02	5.617	29.37	0
12/18/20 5:07	7.624	130.7	7.821	5.563	29.37	0.01
12/18/20 5:24	8.02	125.6	7.424	5.5	29.37	0.01
12/18/20 5:38	8.28	119.7	7.581	5.523	29.37	0
12/18/20 5:50	8.09	117.7	7.664	5.539	29.35	0
12/18/20 6:12	8.7	122.3	7.677	5.698	29.35	0
12/18/20 6:19	8.03	123.3	9.61	5.753	29.35	0.01
12/18/20 6:44	6.954	141.1	13.84	5.761	29.35	0.01
12/18/20 6:46	7.831	139.4	11.06	5.817	29.38	0
12/18/20 7:12	6.377	126.9	9.73	5.663	29.38	0.01
12/18/20 7:27	7.134	126	7.724	5.639	29.38	0.01
12/18/20 7:39	6.399	133.3	10.45	5.596	29.38	0.02
12/18/20 7:59	7.279	132.7	12.18	5.607	29.35	0.01
12/18/20 8:01	7.979	124.7	7.01	5.65	29.35	0.01
12/18/20 8:18	7.134	129.7	8.24	5.543	29.35	0.01
12/18/20 8:44	6.797	128.4	8.59	5.535	29.35	0
12/18/20 8:57	8.32	125.8	7.668	5.557	29.34	0.01
12/18/20 9:12	8.9	120.5	8.93	5.574	29.34	0
12/18/20 9:29	9.35	117.7	8.35	5.565	29.34	0
12/18/20 9:34	10.31	120.1	8.91	5.698	29.34	0
12/18/20 9:46	8.69	115.8	9.72	5.792	29.35	0
12/18/20 10:11	8.05	125.8	11.28	5.902	29.35	0
12/18/20 10:18	8.18	146.9	9.05	5.92	29.35	0.01
12/18/20 10:44	7.659	145.6	20.96	5.897	29.35	0
12/18/20 10:45	8.74	128	9.96	6.265	29.32	0
12/18/20 11:12	9.28	123.2	8.08	6.486	29.32	0
12/18/20 11:23	8.55	138.9	13.56	6.538	29.32	0.01
12/18/20 11:37	9.49	140	10.13	6.33	29.32	0
12/18/20 11:55	10.74	127.2	8.1	6.682	29.3	0
12/18/20 12:13	9.61	129.6	7.861	6.766	29.3	0
12/18/20 12:24	9.46	133.3	8.78	6.937	29.3	0
12/18/20 12:43	9.82	134.5	10.18	7.006	29.3	0
12/18/20 12:50	10.17	134.6	9.37	7.424	29.25	0
12/18/20 13:08	9.96	146	7.884	7.684	29.25	0
12/18/20 13:15	9.58	141.9	8.43	8.1	29.25	0
12/18/20 13:40	9.78	140.6	7.858	8.37	29.25	0
12/18/20 13:58	9.74	142.2	7.241	8.41	29.24	0
12/18/20 14:11	8.54	142.7	8.82	8.5	29.24	0
12/18/20 14:19	10.14	147.1	9.75	8.81	29.24	0
12/18/20 14:40	8.32	136.3	9.04	8.76	29.24	0
12/18/20 14:54	8.72	139.1	8.07	8.89	29.2	0
12/18/20 15:01	7.744	129.5	9.43	8.88	29.2	0
12/18/20 15:21	8.29	134.1	8.95	8.82	29.2	0
12/18/20 15:35	11.58	139.8	7.181	9.03	29.2	0
12/18/20 15:51	14.13	143	9.88	9.28	29.15	0
12/18/20 16:14	13.54	143.2	8.74	9.47	29.15	0
12/18/20 16:24	15.57	148.9	8.63	9.66	29.15	0
12/18/20 16:31	16.25	156.9	7.644	9.85	29.15	0
12/18/20 16:54	17.19	156.4	7.768	9.94	29.09	0
12/18/20 17:11	19.28	156.6	8.97	10.15	29.09	0
12/18/20 17:15	17.73	160.1	9.28	10.26	29.09	0
12/18/20 17:37	15.01	164.7	10.27	10.24	29.09	0
12/18/20 17:58	12.26	181	10.69	10.21	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
12/18/20 18:13	13.3	190.6	8.8	9.68	29.1	0
12/18/20 18:18	12.8	184.1	8.89	9.23	29.1	0.02
12/18/20 18:39	14.16	188.9	9.21	8.71	29.1	0.01
12/18/20 18:48	16.18	180.1	11	8.18	29.09	0.01
12/18/20 19:05	15.19	167.1	8.85	7.897	29.09	0.01
12/18/20 19:28	12.64	156.6	7.203	7.745	29.09	0
12/18/20 19:31	11.43	155.3	9.61	7.806	29.09	0.01
12/18/20 19:51	10.74	157.5	11.25	7.978	29.1	0
12/18/20 20:13	7.313	136.7	10.11	7.788	29.1	0
12/18/20 20:17	11.23	151.8	6.927	8.01	29.1	0
12/18/20 20:43	13.34	164.9	8.59	8.13	29.1	0
12/18/20 20:50	10.68	154.6	10.86	7.986	29.12	0
12/18/20 21:08	12.19	150.6	10.48	8.03	29.12	0
12/18/20 21:21	10	155.9	11.3	8.12	29.12	0
12/18/20 21:37	9.86	177	11.67	8.18	29.12	0
12/18/20 21:51	12.94	182	10.83	8.37	29.13	0.01
12/18/20 22:10	17.07	183.8	9.67	8.72	29.13	0
12/18/20 22:17	16.37	180.7	10.98	8.82	29.13	0
12/18/20 22:40	13.98	189.5	10.57	9.05	29.13	0
12/18/20 22:52	17.43	183.7	13.05	9.13	29.15	0
12/18/20 23:13	17.47	184.7	9.6	8.93	29.15	0
12/18/20 23:15	17.68	182.3	10.36	8.87	29.15	0
12/18/20 23:40	17.34	182.2	9.6	8.79	29.15	0
12/18/20 23:57	18.43	186.2	9.59	8.82	29.18	0
12/19/20 0:14	19.12	190.5	9.93	8.87	29.18	0
12/19/20 0:18	19.45	195.3	8.61	8.74	29.18	0
12/19/20 0:30	17.76	194.6	8.79	8.63	29.18	0
12/19/20 0:59	13.89	202.2	9.97	8.46	29.24	0
12/19/20 1:00	15.99	206	9.47	8.54	29.24	0
12/19/20 1:18	13.48	201.8	9.79	8.46	29.24	0
12/19/20 1:45	14.87	199.3	8.92	8.34	29.24	0
12/19/20 1:45	17.05	196.8	9.56	8.13	29.31	0
12/19/20 2:07	16.37	194.4	10.38	8.03	29.31	0
12/19/20 2:20	15.13	194.3	9.49	7.856	29.31	0
12/19/20 2:32	15.58	200.7	9.77	7.766	29.31	0
12/19/20 2:57	14.6	201.2	9	7.618	29.34	0
12/19/20 3:06	12.94	188.4	10.11	7.438	29.34	0
12/19/20 3:29	14.1	185	8.95	7.383	29.34	0
12/19/20 3:35	13.23	180.5	8.42	7.277	29.34	0
12/19/20 3:57	13.11	179.3	9.95	7.21	29.37	0
12/19/20 4:04	14.23	178.8	9.74	7.221	29.37	0
12/19/20 4:27	12.27	159.8	8.3	6.927	29.37	0
12/19/20 4:36	12.1	158.3	9.01	6.789	29.37	0
12/19/20 4:57	11.89	155.3	7.617	6.702	29.4	0
12/19/20 5:01	10.8	153.2	7.773	6.608	29.4	0
12/19/20 5:20	11.03	155.2	6.815	6.604	29.4	0
12/19/20 5:38	10.19	154.4	6.44	6.591	29.4	0
12/19/20 5:52	9.81	156.1	8.42	6.647	29.41	0
12/19/20 6:04	8.21	148.7	7.222	6.601	29.41	0
12/19/20 6:22	8.03	159.6	10.59	6.652	29.41	0
12/19/20 6:34	10	159.7	8.72	6.651	29.41	0
12/19/20 6:59	8.92	176.2	10.43	6.676	29.44	0
12/19/20 7:10	9.37	176.8	8.19	6.69	29.44	0
12/19/20 7:22	8.49	174.5	8.72	6.789	29.44	0
12/19/20 7:36	6.604	172.4	9.55	6.72	29.44	0
12/19/20 7:55	6.154	162	11.71	6.501	29.41	0
12/19/20 8:06	6.468	152.8	7.403	6.412	29.41	0
12/19/20 8:24	7.652	147.6	4.984	6.47	29.41	0
12/19/20 8:42	7.181	142.2	7.428	6.565	29.41	0
12/19/20 8:49	7.172	135.9	8.39	6.65	29.4	0
12/19/20 9:10	6.579	132.2	9.5	6.727	29.4	0
12/19/20 9:15	6.663	125.1	8.63	6.909	29.4	0
12/19/20 9:43	6.831	127.5	8.44	7.012	29.4	0
12/19/20 9:51	7.337	127.3	7.942	7.228	29.39	0
12/19/20 10:00	6.638	137.2	11.15	7.414	29.39	0
12/19/20 10:19	5.887	140.8	12.44	7.642	29.39	0
12/19/20 10:42	5.976	140.3	11.77	8.16	29.39	0
12/19/20 10:56	5.626	151.5	9.74	7.939	29.37	0
12/19/20 11:01	6.445	143.8	9.75	7.735	29.37	0
12/19/20 11:15	5.192	137	13.36	7.764	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
12/19/20 11:33	4.433	140.1	11.62	7.794	29.37	0
12/19/20 11:50	4.6	182.5	15.13	7.835	29.38	0
12/19/20 12:08	5.272	152.4	16.65	7.63	29.38	0
12/19/20 12:24	7.051	177.1	16.16	7.534	29.38	0
12/19/20 12:37	6.976	150.1	14.11	7.064	29.38	0.01
12/19/20 12:47	5.5	134.1	10.6	6.701	29.36	0
12/19/20 13:00	3.347	117.5	11.45	6.417	29.36	0.01
12/19/20 13:29	6.582	119.1	8.18	6.293	29.36	0.01
12/19/20 13:41	6.417	120.2	8.7	6.248	29.36	0.01
12/19/20 13:59	7.481	119.8	8.21	6.381	29.32	0
12/19/20 14:08	9.6	121.2	9.55	6.665	29.32	0
12/19/20 14:19	11.02	122.8	8.79	6.992	29.32	0
12/19/20 14:43	10.45	128.3	9.73	7.298	29.32	0
12/19/20 14:45	10.27	135.2	9.34	7.344	29.24	0
12/19/20 15:00	7.94	152.5	20.51	7.187	29.24	0
12/19/20 15:18	9.48	133	7.267	7.328	29.24	0
12/19/20 15:36	10.77	136	8.55	7.332	29.24	0.01
12/19/20 15:45	10.14	147.9	7.438	6.945	29.21	0.01
12/19/20 16:12	8.71	148.9	7.528	6.874	29.21	0.01
12/19/20 16:16	10.28	147.1	7.131	6.791	29.21	0.01
12/19/20 16:42	9.79	148.6	6.544	6.875	29.21	0.01
12/19/20 16:53	11.37	149.3	5.87	6.902	29.18	0.02
12/19/20 17:02	10.83	145.2	6.928	7.169	29.18	0.01
12/19/20 17:26	10.35	141.5	8.45	7.139	29.18	0.01
12/19/20 17:32	12.1	129.3	8.11	7.267	29.18	0
12/19/20 17:50	11.57	135.6	9.75	7.513	29.11	0
12/19/20 18:14	10.39	138.7	10.63	7.347	29.11	0.01
12/19/20 18:18	10.24	123.8	9.55	7.237	29.11	0.02
12/19/20 18:43	8.14	111.2	10.18	7.206	29.11	0.02
12/19/20 18:56	7.575	110.7	11.16	7.455	29.1	0.02
12/19/20 19:13	7.264	146.7	15.67	7.687	29.1	0.01
12/19/20 19:23	8.11	147.7	10.34	7.818	29.1	0.01
12/19/20 19:34	7.416	146.4	11.4	7.753	29.1	0.02
12/19/20 19:58	6.922	147.2	9.66	7.614	29.08	0.02
12/19/20 20:12	7.77	132.9	7.434	7.877	29.08	0.02
12/19/20 20:22	7.92	135.9	9.75	8.17	29.08	0.01
12/19/20 20:39	7.588	136.3	9.22	8.42	29.08	0.01
12/19/20 20:56	7.914	135.4	8.25	8.49	29.06	0.01
12/19/20 21:13	8.42	137.4	9.7	8.6	29.06	0.01
12/19/20 21:19	8.47	136.8	8.89	8.66	29.06	0
12/19/20 21:38	9.11	144	10.93	8.87	29.06	0.01
12/19/20 21:55	8.54	148.8	9.43	8.85	29.08	0
12/19/20 22:14	10.01	159.4	8.71	9.06	29.08	0.01
12/19/20 22:16	11.22	169.5	13.99	9.38	29.08	0
12/19/20 22:41	11.82	173.7	9.68	9.56	29.08	0
12/19/20 22:56	16.58	177.1	10.29	10.02	29.07	0
12/19/20 23:06	16.03	174.5	9.29	10.27	29.07	0
12/19/20 23:20	17.53	184.3	8.11	10.45	29.07	0.01
12/19/20 23:32	18.11	189.7	9.82	10.63	29.07	0
12/19/20 23:51	16.46	186	9.76	10.59	29.12	0
12/20/20 0:06	13.64	191.7	10.89	10.76	29.12	0
12/20/20 0:29	15.94	185.6	10.12	10.77	29.12	0
12/20/20 0:30	16.93	193.1	7.725	10.87	29.12	0
12/20/20 0:49	16.82	193	8.58	11	29.16	0.01
12/20/20 1:02	13.73	189.3	9.17	11.06	29.16	0
12/20/20 1:27	14.45	182.2	9.02	11.11	29.16	0
12/20/20 1:31	11.98	183.4	10.74	11.17	29.16	0
12/20/20 1:45	11.85	172.5	10.39	11.18	29.15	0
12/20/20 2:11	13.38	161.4	11.23	11.17	29.15	0
12/20/20 2:16	12.6	158	10.04	11.23	29.15	0
12/20/20 2:39	11.91	162.1	13.27	11.2	29.15	0
12/20/20 2:47	10.71	174.8	12.65	11.26	29.2	0
12/20/20 3:10	10.94	177.8	13.27	11.14	29.2	0.02
12/20/20 3:23	16.42	188.7	10.7	11.06	29.2	0.01
12/20/20 3:34	17.45	191.2	9.53	11	29.2	0
12/20/20 3:51	13.86	186.4	10.49	10.78	29.18	0
12/20/20 4:07	10.38	170.4	20.51	10.67	29.18	0
12/20/20 4:26	7.955	174	15.61	10.66	29.18	0
12/20/20 4:39	11.38	188.7	13.49	10.49	29.18	0
12/20/20 4:58	9.93	192.4	12.1	10.33	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
12/20/20 5:13	11.7	188.6	10.32	10.18	29.2	0
12/20/20 5:15	12.27	183.4	9.69	10.1	29.2	0
12/20/20 5:37	12.96	180	9.89	10.07	29.2	0
12/20/20 5:59	9.7	180.8	10.83	10.06	29.24	0
12/20/20 6:14	10.8	178.9	10.68	10.02	29.24	0
12/20/20 6:15	12.22	184.1	10.88	9.98	29.24	0
12/20/20 6:30	9.97	184.1	10.39	9.88	29.24	0
12/20/20 6:55	12.67	191.6	9.79	9.82	29.24	0
12/20/20 7:03	15.09	201	7.437	9.81	29.24	0
12/20/20 7:22	13.56	198.3	7.804	9.72	29.24	0
12/20/20 7:39	14.19	197.3	10.05	9.74	29.24	0
12/20/20 7:57	10.04	186.3	9.68	9.59	29.25	0
12/20/20 8:14	12.05	192.8	8.79	9.54	29.25	0
12/20/20 8:16	9.94	194.6	10.09	9.49	29.25	0
12/20/20 8:37	9.28	185.2	10.51	9.45	29.25	0
12/20/20 8:54	8.42	190.4	9.74	9.34	29.3	0
12/20/20 9:08	8.33	188.6	10.04	9.3	29.3	0
12/20/20 9:25	6.18	181.5	14.67	9.3	29.3	0
12/20/20 9:43	4.183	151.1	24.91	9.3	29.3	0
12/20/20 9:58	6.003	181	11.96	9.42	29.34	0
12/20/20 10:07	6.131	179.3	10.86	9.47	29.34	0
12/20/20 10:25	4.15	186.5	14.5	9.47	29.34	0
12/20/20 10:38	5.137	169.9	11.43	9.47	29.34	0
12/20/20 10:54	6.36	170.2	12.46	9.39	29.35	0
12/20/20 11:08	6.883	184.9	14.39	9.35	29.35	0
12/20/20 11:26	7.867	198.6	10.11	9.41	29.35	0
12/20/20 11:34	7.22	195.3	12.11	9.45	29.35	0
12/20/20 11:58	8.01	189.3	13.76	9.51	29.35	0
12/20/20 12:06	8.54	192.5	9.97	9.49	29.35	0
12/20/20 12:23	8.03	199.8	10.16	9.51	29.35	0
12/20/20 12:43	7.667	194.2	8.02	9.5	29.35	0
12/20/20 12:51	8.13	195.4	9.31	9.5	29.33	0
12/20/20 13:08	7.809	192.9	8.64	9.5	29.33	0
12/20/20 13:15	7.638	184.8	11.89	9.46	29.33	0
12/20/20 13:35	6.352	163.2	13.18	9.43	29.33	0
12/20/20 13:48	5.255	136.8	10.95	9.46	29.34	0
12/20/20 14:14	5.709	149.4	11.26	9.48	29.34	0
12/20/20 14:29	7.389	178.9	8.48	9.44	29.34	0
12/20/20 14:32	7.558	176.2	10.33	9.31	29.34	0
12/20/20 14:46	6.022	153.3	9.64	9.03	29.35	0
12/20/20 15:02	6.735	148.9	6.753	8.96	29.35	0
12/20/20 15:16	6.77	145.5	5.955	8.89	29.35	0
12/20/20 15:43	5.551	143.7	7.342	8.76	29.35	0
12/20/20 15:59	6.589	154.7	6.073	8.57	29.34	0
12/20/20 16:10	6.566	148.6	6.947	8.58	29.34	0
12/20/20 16:25	3.437	124.3	11.44	8.52	29.34	0
12/20/20 16:41	4.029	126.3	13.92	8.55	29.34	0
12/20/20 16:49	3.816	139.9	6.193	8.35	29.33	0
12/20/20 17:09	3.15	157	19.78	8.37	29.33	0
12/20/20 17:16	3.933	146.3	9.44	8.45	29.33	0
12/20/20 17:31	3.403	140.5	8.81	8.38	29.33	0
12/20/20 17:54	3.384	167.9	12.57	8.42	29.31	0
12/20/20 18:03	2.351	162.1	21.19	8.71	29.31	0
12/20/20 18:28	1.908	100.9	15.33	8.63	29.31	0
12/20/20 18:32	1.943	136.9	14.86	8.53	29.31	0
12/20/20 18:46	1.24	124.9	18.75	8.76	29.3	0
12/20/20 19:05	2.165	162.8	13.63	8.74	29.3	0
12/20/20 19:16	1.514	108.8	58.55	8.42	29.3	0
12/20/20 19:44	0.944	77.68	22.59	8.06	29.3	0
12/20/20 19:51	1.66	142.6	18.72	8.57	29.3	0
12/20/20 20:00	0.864	152.8	17.64	8.59	29.3	0
12/20/20 20:21	1.399	215.4	15.06	8.45	29.3	0
12/20/20 20:41	2.109	201.1	7.006	8.53	29.3	0
12/20/20 20:55	3.318	163.2	11.19	8.26	29.31	0
12/20/20 21:04	4.177	158.4	8.6	8.22	29.31	0
12/20/20 21:19	3.084	173.5	12.47	8.06	29.31	0
12/20/20 21:44	1.7	83.9	20.17	8.03	29.31	0
12/20/20 21:58	1.953	76.11	14.09	7.786	29.29	0
12/20/20 22:04	1.924	72.96	9.78	7.983	29.29	0
12/20/20 22:29	2.015	50.34	8.59	8.07	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
12/20/20 22:44	2.434	57.36	12.16	8.15	29.29	0
12/20/20 22:45	2.098	16.84	12.02	7.962	29.26	0
12/20/20 23:08	2.674	37.58	13.11	7.957	29.26	0
12/20/20 23:21	2.307	87.9	15.1	7.886	29.26	0.01
12/20/20 23:33	2.736	112.2	23.85	7.65	29.26	0.01
12/20/20 23:51	5.247	210.5	12.46	7.135	29.23	0
12/21/20 0:06	4.583	222.1	9.46	7.302	29.23	0.02
12/21/20 0:16	3.003	201.1	58.08	7.063	29.23	0.01
12/21/20 0:30	2.068	10.49	19.98	6.652	29.23	0.01
12/21/20 0:54	3.264	54.92	6.37	6.479	29.23	0.01
12/21/20 1:06	3.798	71.91	6.522	6.477	29.23	0.01
12/21/20 1:23	3.42	80.2	13.94	6.611	29.23	0.01
12/21/20 1:43	4.295	95.6	18.56	6.478	29.23	0.01
12/21/20 1:58	5.02	117.4	16.98	6.33	29.17	0
12/21/20 2:00	4.208	112.7	15.43	6.179	29.17	0.01
12/21/20 2:23	5.373	107.4	11.35	6.128	29.17	0.01
12/21/20 2:40	4.209	103.1	14.2	6.012	29.17	0
12/21/20 2:45	2.223	103.3	21.12	5.861	29.13	0.01
12/21/20 3:12	2.42	157.9	21.84	6.033	29.13	0.01
12/21/20 3:19	2.815	76.01	49.01	5.827	29.13	0.01
12/21/20 3:44	2.162	9.63	17.7	5.645	29.13	0.02
12/21/20 3:56	3.573	318.8	17.23	5.635	29.09	0
12/21/20 4:12	4.251	309.9	8.93	5.542	29.09	0.01
12/21/20 4:29	3.43	304.9	11.69	5.504	29.09	0.01
12/21/20 4:30	2.487	337.2	11.54	5.387	29.09	0.02
12/21/20 4:50	2.508	339.3	9.22	5.312	29.06	0.01
12/21/20 5:00	1.107	4.762	17.63	5.258	29.06	0.02
12/21/20 5:24	1.58	41.82	14.95	5.318	29.06	0
12/21/20 5:39	2.896	47.71	18.67	5.386	29.06	0.01
12/21/20 5:46	0.802	57.98	17.06	5.374	29	0.01
12/21/20 6:04	1.129	172.2	47.11	5.502	29	0
12/21/20 6:29	3.682	111.4	36.63	5.504	29	0
12/21/20 6:39	6.849	114.4	10.1	5.507	29	0.01
12/21/20 6:58	8.25	147.2	12.9	6.699	28.96	0
12/21/20 7:03	8.82	138.7	16.66	7.669	28.96	0
12/21/20 7:27	5.146	175.2	23.56	8.06	28.96	0
12/21/20 7:38	8.39	152.3	9.91	8.01	28.96	0
12/21/20 7:46	10.17	150.8	4.611	8.56	28.93	0
12/21/20 8:13	12.44	149.9	6.02	9.64	28.93	0
12/21/20 8:25	15.67	155.3	6.705	10.68	28.93	0
12/21/20 8:33	14.45	161.2	6.503	11.19	28.93	0
12/21/20 8:54	12.51	165.1	7.868	11.39	28.92	0
12/21/20 9:08	13.64	174.3	7.102	11.4	28.92	0.01
12/21/20 9:16	13.63	175.6	6.346	11.24	28.92	0.01
12/21/20 9:37	12.05	176.1	7.022	11.42	28.92	0
12/21/20 9:49	11.73	177.7	7.062	11.58	28.88	0
12/21/20 10:14	11.89	173.7	7.167	11.88	28.88	0
12/21/20 10:27	13.54	172.3	8.37	12.55	28.88	0
12/21/20 10:35	14.4	177.8	7.871	12.98	28.88	0
12/21/20 10:47	14.88	179.1	7.81	13.18	28.86	0
12/21/20 11:10	15	178.5	7.272	13.29	28.86	0
12/21/20 11:27	15.63	182.4	7.844	13.18	28.86	0.01
12/21/20 11:44	14.22	175.7	8.85	13.27	28.86	0
12/21/20 11:54	15.01	173.4	9.18	13.58	28.8	0
12/21/20 12:05	16.3	176.7	9.29	13.99	28.8	0
12/21/20 12:16	17.28	179.6	8.89	14.3	28.8	0
12/21/20 12:43	19.1	181.9	8.55	14.81	28.8	0
12/21/20 12:55	20.77	181.5	8.19	14.68	28.73	0
12/21/20 13:02	19.03	186.6	8.97	14.54	28.73	0
12/21/20 13:17	17.26	183.8	8.49	14.32	28.73	0
12/21/20 13:37	16.31	187.7	8.62	14.05	28.73	0
12/21/20 13:53	16.58	194.3	8.39	13.62	28.72	0.02
12/21/20 14:00	15.95	192.8	8.09	13	28.72	0.03
12/21/20 14:20	15.94	187.9	8.01	12.6	28.72	0.03
12/21/20 14:31	14.65	191	9.57	12.39	28.72	0.02
12/21/20 14:50	13.05	195.4	7.202	12.16	28.68	0.04
12/21/20 15:10	15.81	199.1	8.47	12.25	28.68	0.01
12/21/20 15:15	16.47	197.1	7.435	12.3	28.68	0.01
12/21/20 15:41	17.12	201.6	8.89	12.39	28.68	0.01
12/21/20 15:59	17.29	208.3	23.59	11.91	28.68	0.04

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/21/20 16:00	19.01	310.9	12.77	6.613	28.68	0.26
12/21/20 16:16	8.79	347.2	23.48	5.874	28.68	0.06
12/21/20 16:42	8.38	25.72	13.23	4.309	28.68	0.06
12/21/20 16:52	10.39	35.14	12.42	3.59	28.73	0.03
12/21/20 17:00	10.23	29.66	12.19	3.264	28.73	0.03
12/21/20 17:21	11.1	17.7	9.88	3.1	28.73	0.03
12/21/20 17:37	11.74	13.16	11.9	3.004	28.73	0.03
12/21/20 17:56	8.89	332.3	24.29	2.523	28.78	0.02
12/21/20 18:04	7.635	340.2	33.28	1.835	28.78	0.01
12/21/20 18:15	7.095	41.6	18.53	1.129	28.78	0.01
12/21/20 18:44	3	346.3	78.76	0.629	28.78	0
12/21/20 18:47	6.301	301.3	52.42	0.976	28.83	0.01
12/21/20 19:12	4.717	299.6	63.42	1.045	28.83	0.01
12/21/20 19:24	10.27	19.38	14.11	0.647	28.83	0.01
12/21/20 19:43	8.04	13.39	14.05	0.454	28.83	0
12/21/20 19:50	7.13	355	21.42	0.43	28.9	0
12/21/20 20:04	4.806	4.38	24.33	0.365	28.9	0
12/21/20 20:29	4.623	29.23	13.76	0.312	28.9	0
12/21/20 20:37	4.35	73.68	29.51	0.393	28.9	0.01
12/21/20 20:53	5.454	103.4	15.53	0.369	28.91	0
12/21/20 21:01	2.687	126.5	42.17	0.623	28.91	0
12/21/20 21:30	4.909	247.1	47.77	0.724	28.91	0
12/21/20 21:32	6.576	206.3	9.68	0.426	28.91	0.01
12/21/20 21:45	7.481	216.7	3.966	0.308	28.95	0
12/21/20 22:06	9.13	227.7	6.249	0.176	28.95	0
12/21/20 22:27	7.438	227.8	6.988	0.181	28.95	0
12/21/20 22:33	5.695	177.4	26.6	0.132	28.95	0.01
12/21/20 22:50	4.452	138.3	9.54	0.111	29.01	0
12/21/20 23:14	5.265	108.3	14.65	0.042	29.01	0
12/21/20 23:15	5.315	101	15.84	0.146	29.01	0
12/21/20 23:35	5.634	98.3	13.54	0.32	29.01	0
12/21/20 23:53	4.485	102.9	17.44	0.6	29.04	0
12/22/20 0:13	4.257	52.37	21.75	0.596	29.04	0
12/22/20 0:21	5.669	119.7	12.85	1.064	29.04	0.01
12/22/20 0:31	5.143	136.3	31.77	1.245	29.04	0
12/22/20 0:58	4.142	34.55	24.11	0.792	29.07	0
12/22/20 1:14	2.29	66.48	53.36	1.349	29.07	0
12/22/20 1:17	2.261	122.5	35.26	1.708	29.07	0
12/22/20 1:39	1.718	15.93	49.44	1.694	29.07	0
12/22/20 1:58	2.851	9.29	15.62	1.796	29.12	0.01
12/22/20 2:01	3.01	40.23	18.69	1.668	29.12	0
12/22/20 2:24	2.117	138.6	65.22	2.105	29.12	0.01
12/22/20 2:33	2.358	182.4	22	2.54	29.12	0
12/22/20 2:45	1.055	163.4	32.58	2.585	29.19	0
12/22/20 3:12	0.892	241.3	63.91	2.471	29.19	0.01
12/22/20 3:15	1.135	96.3	78.73	2.382	29.19	0.01
12/22/20 3:44	1.326	348	44.2	2.343	29.19	0
12/22/20 3:57	2.206	240.8	50.08	2.59	29.2	0
12/22/20 4:03	0.859	156.7	47.85	2.468	29.2	0
12/22/20 4:22	2.284	355.9	68.14	2.374	29.2	0
12/22/20 4:31	1.66	110.8	46.4	2.56	29.2	0
12/22/20 4:53	3.128	77.07	26.04	2.368	29.24	0
12/22/20 5:00	2.586	86.2	17.22	2.146	29.24	0
12/22/20 5:29	2.657	69.53	23.5	2.196	29.24	0
12/22/20 5:33	3.5	99	17.95	2.198	29.24	0
12/22/20 5:57	3.11	119.8	25.97	2.36	29.28	0
12/22/20 6:00	3.351	67.72	44.06	2.34	29.28	0
12/22/20 6:15	2.212	63.83	20.68	1.825	29.28	0
12/22/20 6:43	2.008	69.57	24.58	1.909	29.28	0
12/22/20 6:46	2.385	94.3	20.69	2.097	29.33	0
12/22/20 7:04	2.527	88.5	24.33	2.1	29.33	0
12/22/20 7:17	2.925	78.83	22.05	1.822	29.33	0
12/22/20 7:42	2.362	101	20.54	1.782	29.33	0
12/22/20 7:51	3.671	107.1	27.66	1.97	29.36	0
12/22/20 8:14	2.028	75.34	17.41	1.836	29.36	0
12/22/20 8:24	3.953	95.5	10.97	2.044	29.36	0
12/22/20 8:31	3.374	99.9	15.15	2.046	29.36	0
12/22/20 8:52	3.999	108.3	11.49	2.257	29.38	0
12/22/20 9:13	2.649	84.8	32.76	2.177	29.38	0
12/22/20 9:15	2.928	93.4	9.78	2.606	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
12/22/20 9:36	3.51	90.8	10.91	2.949	29.38	0
12/22/20 9:54	3.726	91	8.1	3.476	29.4	0
12/22/20 10:05	3.458	84	10.69	3.693	29.4	0.02
12/22/20 10:15	3.413	120.9	17.67	4.161	29.4	0.01
12/22/20 10:44	4.056	160.9	18.19	4.477	29.4	0
12/22/20 10:58	5.821	186.6	7.207	4.318	29.46	0
12/22/20 11:06	6.041	190	8.31	4.376	29.46	0.02
12/22/20 11:16	4.467	184.5	8.22	4.441	29.46	0.04
12/22/20 11:34	3.164	183.7	10.37	4.42	29.46	0.02
12/22/20 11:47	2.528	133.3	9.96	4.558	29.45	0.01
12/22/20 12:11	1.883	144.2	14.62	5.08	29.45	0
12/22/20 12:26	0.723	306.7	65.08	5.337	29.45	0.01
12/22/20 12:44	1.968	330.2	24.78	5.224	29.45	0
12/22/20 12:57	2.487	298.7	19.91	5.122	29.5	0.01
12/22/20 13:14	2.906	298.5	15.12	5.198	29.5	0
12/22/20 13:29	4.814	304	9.15	5.476	29.5	0
12/22/20 13:30	5.628	314.2	6.662	5.175	29.5	0
12/22/20 13:45	4.113	350.8	15.64	4.689	29.51	0
12/22/20 14:07	3.445	18.65	8.92	4.461	29.51	0
12/22/20 14:16	2.695	15.84	9.22	4.404	29.51	0
12/22/20 14:31	1.749	27.47	8.57	4.313	29.51	0
12/22/20 14:45	0.005	36.23	0.003	4.33	29.54	0
12/22/20 15:13	0.794	64.02	4.331	4.256	29.54	0
12/22/20 15:23	1.398	65.16	9.27	3.763	29.54	0
12/22/20 15:36	1.726	70.34	8.22	3.79	29.54	0
12/22/20 15:56	1.685	62.13	5.891	3.667	29.57	0
12/22/20 16:07	1.882	40.77	9.88	3.492	29.57	0
12/22/20 16:28	2.408	35.62	3.149	3.143	29.57	0
12/22/20 16:30	2.504	36.67	4.187	2.979	29.57	0
12/22/20 16:47	0.655	44.31	5.869	2.847	29.59	0
12/22/20 17:14	0.354	62.2	0.213	2.717	29.59	0
12/22/20 17:25	1.538	59.09	6.516	2.533	29.59	0
12/22/20 17:32	1.966	52.58	4.109	1.942	29.59	0
12/22/20 17:46	2.307	55.39	8.19	2.173	29.62	0
12/22/20 18:07	2.59	39.29	3.19	2.195	29.62	0
12/22/20 18:28	1.311	45.38	42.69	1.564	29.62	0
12/22/20 18:33	2.194	105.6	30.44	1.872	29.62	0
12/22/20 18:58	1.771	68.01	13.94	2.209	29.63	0
12/22/20 19:14	3.092	32.71	4.499	1.589	29.63	0
12/22/20 19:24	4.011	29.63	5.031	1.455	29.63	0
12/22/20 19:37	4.217	28.17	6.062	1.358	29.63	0
12/22/20 19:45	3.087	27.83	8.51	1.508	29.66	0
12/22/20 20:12	2.895	71.88	14.49	1.138	29.66	0
12/22/20 20:27	4.249	65.73	12.52	1.084	29.66	0
12/22/20 20:44	3.813	43.41	17.52	1.764	29.66	0
12/22/20 20:48	3.336	21.44	9.31	1.081	29.68	0
12/22/20 21:14	3.25	21.97	3.213	0.987	29.68	0
12/22/20 21:15	3.212	48.85	29.5	0.854	29.68	0
12/22/20 21:37	2.975	122	15.99	0.53	29.68	0
12/22/20 21:48	2.235	128.1	11.19	1.308	29.67	0
12/22/20 22:15	2.046	115.4	12.65	1.088	29.67	0
12/22/20 22:15	2.46	103.1	2.976	1.094	29.67	0
12/22/20 22:30	1.473	107.7	9.6	1.149	29.67	0
12/22/20 22:58	1.217	73.66	11.26	1.249	29.7	0
12/22/20 23:11	1.446	77.66	1.902	0.947	29.7	0
12/22/20 23:16	1.203	63.37	16.9	1.175	29.7	0
12/22/20 23:36	1.393	130.5	8.6	1.244	29.7	0
12/22/20 23:47	1.98	77.18	32.78	1.208	29.68	0
12/23/20 0:11	2.833	43.61	5.673	0.828	29.68	0
12/23/20 0:15	2.272	39.87	9.7	0.588	29.68	0
12/23/20 0:30	1.878	44.63	4.953	0.725	29.68	0
12/23/20 0:54	2.89	46.99	4.152	1.008	29.7	0
12/23/20 1:00	2.165	50.7	8.1	0.801	29.7	0
12/23/20 1:24	2.989	42.79	5.762	0.457	29.7	0
12/23/20 1:34	3.237	51.73	7.118	-0.101	29.7	0
12/23/20 1:45	3.061	41.62	8.79	-0.051	29.68	0
12/23/20 2:03	3.247	7.096	9.58	0.291	29.68	0
12/23/20 2:19	3.251	8.95	13.14	0.412	29.68	0
12/23/20 2:32	3.23	17.8	15.8	0.037	29.68	0
12/23/20 2:59	2.413	29.52	6.737	-0.014	29.71	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/23/20 3:01	2.91	56.8	7.718	-0.081	29.71	0
12/23/20 3:16	1.398	34.95	21.06	0.226	29.71	0
12/23/20 3:39	0.384	43.55	19.51	0.194	29.71	0
12/23/20 3:49	0.905	104.4	37.86	0.063	29.7	0
12/23/20 4:13	0.65	79.25	22.44	-0.09	29.7	0
12/23/20 4:27	2.073	147.2	15.18	0.094	29.7	0
12/23/20 4:30	2.105	146.2	19.21	0.502	29.7	0
12/23/20 4:52	2.523	120.2	9.27	0.858	29.7	0
12/23/20 5:00	0.17	98.4	2.621	0.751	29.7	0
12/23/20 5:29	1.012	218.8	22.47	0.598	29.7	0
12/23/20 5:30	1.172	121.1	50.49	0.05	29.7	0
12/23/20 5:59	0.81	66.49	14.19	-0.087	29.67	0
12/23/20 6:00	0.855	75.31	15.78	0.157	29.67	0
12/23/20 6:25	1.468	348.4	7.682	0.529	29.67	0
12/23/20 6:36	2.407	15.66	11.7	0.11	29.67	0
12/23/20 6:58	4.539	22.27	7.107	-0.33	29.68	0
12/23/20 7:01	4.712	18.19	9.3	-1.102	29.68	0
12/23/20 7:15	3.348	23.54	12.2	-1.481	29.68	0
12/23/20 7:38	3.376	19.4	8.79	-1.449	29.68	0
12/23/20 7:52	3.51	30.43	7.512	-1.429	29.66	0
12/23/20 8:13	3.177	52.5	17.09	-0.873	29.66	0
12/23/20 8:27	5.744	30.28	10	-0.724	29.66	0
12/23/20 8:30	5.384	38.2	11.2	-0.883	29.66	0
12/23/20 8:45	4.402	52.13	8.72	-0.483	29.67	0
12/23/20 9:04	4.045	32.3	16.24	0.046	29.67	0
12/23/20 9:15	2.51	23.1	7.288	0.547	29.67	0
12/23/20 9:44	2.819	90.8	43.24	0.909	29.67	0
12/23/20 9:45	2.003	114.5	23.02	0.872	29.66	0
12/23/20 10:03	3.436	117.6	18.65	1.966	29.66	0
12/23/20 10:24	3.025	180.3	16.83	2.235	29.66	0
12/23/20 10:45	2.077	287.1	37.18	2.124	29.66	0
12/23/20 10:48	4.206	317.2	7.748	1.941	29.65	0
12/23/20 11:00	3.334	328.9	10.99	2.576	29.65	0
12/23/20 11:17	4.261	13.74	12.52	1.116	29.65	0
12/23/20 11:39	4.555	35.07	8.1	0.598	29.65	0
12/23/20 11:46	3.003	43.05	12.49	0.728	29.64	0
12/23/20 12:07	3.393	29.39	8.7	1.602	29.64	0.01
12/23/20 12:25	3.706	28.38	9	2.185	29.64	0
12/23/20 12:35	3.764	28.65	10.42	2.228	29.64	0
12/23/20 12:45	4.121	22.51	11.32	2.398	29.61	0
12/23/20 13:00	2.866	18.47	10.42	2.715	29.61	0
12/23/20 13:27	2.972	31.72	5.92	3.089	29.61	0
12/23/20 13:44	3.993	29.68	10.34	3.185	29.61	0
12/23/20 13:47	4.625	16.65	6.634	3.249	29.58	0
12/23/20 14:14	3.705	20.92	7.56	3.658	29.58	0
12/23/20 14:20	4.013	15.89	8.5	3.503	29.58	0
12/23/20 14:38	3.581	334.7	20.21	4.204	29.58	0
12/23/20 14:45	3.28	18.93	13.48	3.724	29.57	0
12/23/20 15:07	5.517	30.36	8.95	3.602	29.57	0
12/23/20 15:21	6.304	25.98	11	3.186	29.57	0
12/23/20 15:44	5.106	29.34	12.29	2.968	29.57	0
12/23/20 15:49	6.094	12.68	10.68	2.856	29.53	0
12/23/20 16:01	3.692	12.8	12.97	3.024	29.53	0
12/23/20 16:21	6.819	20.9	9.3	2.666	29.53	0
12/23/20 16:32	5.626	20.96	10.08	2.384	29.53	0
12/23/20 16:54	4.903	25.38	13.39	2.147	29.51	0
12/23/20 17:03	3.769	20.54	17.35	2.053	29.51	0
12/23/20 17:28	3.379	351.9	33.26	1.785	29.51	0
12/23/20 17:40	5.136	19.64	10.73	1.769	29.51	0
12/23/20 17:57	6.495	15.3	8.42	1.673	29.53	0
12/23/20 18:12	5.997	18.67	10.19	1.743	29.53	0
12/23/20 18:27	8.61	31.48	9.44	1.484	29.53	0
12/23/20 18:34	10.87	30.43	8.46	1.335	29.53	0
12/23/20 18:45	8.18	21.6	8.75	1.406	29.51	0
12/23/20 19:02	6.641	32.55	11.69	1.033	29.51	0
12/23/20 19:16	5.675	31.36	14.1	0.677	29.51	0
12/23/20 19:32	5.866	20.03	8.18	0.659	29.51	0
12/23/20 19:55	5.834	18.07	10.46	0.357	29.46	0
12/23/20 20:02	5.787	14.04	13.89	0.369	29.46	0
12/23/20 20:16	3.691	347.7	22.88	1.124	29.46	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/23/20 20:39	1.826	238.9	77.25	2.051	29.46	0
12/23/20 20:53	2.745	120.2	18.97	2.14	29.45	0
12/23/20 21:14	3.673	116.6	28.37	2.194	29.45	0
12/23/20 21:15	5.707	142.1	18.33	3.215	29.45	0
12/23/20 21:30	2.392	48.07	32.63	2.003	29.45	0
12/23/20 21:59	2.723	27.36	15.25	0.701	29.43	0
12/23/20 22:13	4.309	6.436	10.84	0.478	29.43	0
12/23/20 22:15	2.842	42.74	38.71	0.647	29.43	0
12/23/20 22:42	3.898	105.4	44.1	1.5	29.43	0
12/23/20 22:59	5.132	122	17.66	2.618	29.39	0
12/23/20 23:10	9.18	123.3	9.27	3.209	29.39	0
12/23/20 23:27	8.85	133.6	12.27	3.868	29.39	0
12/23/20 23:43	8.65	145.6	12.99	4.213	29.39	0
12/23/20 23:48	9.42	148.8	13.45	4.739	29.37	0
12/24/20 0:14	8.29	147.4	10.73	4.638	29.37	0
12/24/20 0:22	7.684	127.4	20.35	4.46	29.37	0
12/24/20 0:30	3.263	46.6	20.42	1.037	29.37	0
12/24/20 0:52	4.257	7.909	15.91	0.869	29.35	0
12/24/20 1:13	4.739	4.94	13.03	1.349	29.35	0
12/24/20 1:19	5.107	18.7	8.33	0.336	29.35	0
12/24/20 1:44	5.55	343.5	26.77	0.029	29.35	0
12/24/20 1:51	9.21	291.6	31.32	0.701	29.4	0
12/24/20 2:14	5.61	40.91	12	-0.65	29.4	0
12/24/20 2:16	3.86	32.24	26.55	-0.562	29.4	0
12/24/20 2:44	4.816	119.8	41.88	0.551	29.4	0
12/24/20 2:57	7.118	107.9	27.11	1.037	29.39	0
12/24/20 3:13	11.9	146.5	9.58	3.085	29.39	0
12/24/20 3:20	13.65	140.8	11.18	3.833	29.39	0
12/24/20 3:31	10.73	164.3	21.44	4.008	29.39	0
12/24/20 3:50	9.22	159.9	13.89	4.176	29.37	0
12/24/20 4:05	10.04	146.3	11.68	3.887	29.37	0
12/24/20 4:26	7.405	131.6	11.92	3.606	29.37	0
12/24/20 4:43	6.717	128.9	13.63	3.679	29.37	0
12/24/20 4:58	4.911	89.5	26.85	1.613	29.35	0
12/24/20 5:07	5.646	57.87	24.68	-0.054	29.35	0
12/24/20 5:25	4.909	28.1	20.04	-0.425	29.35	0
12/24/20 5:32	3.203	18.74	24.89	-0.041	29.35	0
12/24/20 5:59	3.164	25.44	10.11	-0.345	29.33	0
12/24/20 6:05	4.213	3.104	17.08	-0.398	29.33	0
12/24/20 6:25	3.451	354.7	14.39	-0.063	29.33	0
12/24/20 6:31	3.418	349.2	12.68	0.138	29.33	0
12/24/20 6:52	3.074	63.1	33.02	0.306	29.34	0
12/24/20 7:12	4.884	115.5	20.4	0.864	29.34	0
12/24/20 7:23	8.84	131.1	10.52	2.833	29.34	0
12/24/20 7:32	10.35	136.2	13.55	3.56	29.34	0
12/24/20 7:57	8.55	140.3	10.6	2.784	29.3	0
12/24/20 8:03	8.31	140.7	12.43	2.644	29.3	0
12/24/20 8:27	7.086	152	12.24	2.669	29.3	0
12/24/20 8:31	7.11	138	11.83	2.604	29.3	0
12/24/20 8:57	6.162	148	16.28	2.795	29.32	0
12/24/20 9:14	6.842	188.9	18.83	2.634	29.32	0
12/24/20 9:22	7.087	163.3	20.44	3.192	29.32	0
12/24/20 9:43	6.163	142.4	12.97	3.499	29.32	0
12/24/20 9:55	6.001	164.5	15.28	4.042	29.33	0
12/24/20 10:00	5.431	142.1	23.06	5.216	29.33	0
12/24/20 10:25	3.277	127.1	41.58	6.021	29.33	0
12/24/20 10:43	4.019	110.5	23.93	5.993	29.33	0
12/24/20 10:55	5.775	124.6	24.61	6.657	29.33	0
12/24/20 11:02	5.499	103.7	37.74	6.596	29.33	0
12/24/20 11:27	5.196	136.6	26.74	7.486	29.33	0
12/24/20 11:30	3.873	66.26	45.75	5.802	29.33	0
12/24/20 11:48	1.812	154.7	53.51	7.291	29.32	0
12/24/20 12:09	1.705	104	54.98	7.991	29.32	0
12/24/20 12:25	2.286	58.48	44.6	6.634	29.32	0
12/24/20 12:30	3.137	9.96	30.16	4.987	29.32	0
12/24/20 12:58	2.475	23.48	51.31	6.113	29.27	0
12/24/20 13:02	4.157	21.9	12.87	5.244	29.27	0
12/24/20 13:28	2.797	254	80.9	7.155	29.27	0
12/24/20 13:43	3.996	151.5	16.03	8.63	29.27	0
12/24/20 13:51	7.388	153.3	10.19	8.4	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
12/24/20 14:11	5.877	143.4	11.22	8.38	29.25	0
12/24/20 14:29	8.55	145.3	9.99	8.33	29.25	0
12/24/20 14:40	7.005	138.3	12.38	8.24	29.25	0
12/24/20 14:51	6.103	127.5	14.84	8.37	29.24	0
12/24/20 15:12	5.601	136.7	14.22	8.36	29.24	0
12/24/20 15:24	7.935	126	16.37	8.51	29.24	0
12/24/20 15:36	7.198	122.6	17.71	8.25	29.24	0
12/24/20 15:55	8.74	123.2	14.47	8.29	29.22	0
12/24/20 16:10	8.54	118.9	13.98	8.12	29.22	0
12/24/20 16:15	6.538	102.2	17.98	6.778	29.22	0
12/24/20 16:44	5.012	112.2	24.32	6.205	29.22	0
12/24/20 16:55	9.49	131.9	13.83	7.541	29.22	0
12/24/20 17:10	10.47	126.5	12.3	7.618	29.22	0
12/24/20 17:25	9.73	140.3	13.07	7.768	29.22	0
12/24/20 17:39	7.169	139.4	14.2	7.625	29.22	0
12/24/20 17:59	7.727	138.7	16.25	7.825	29.21	0
12/24/20 18:03	8.73	139.4	12.96	7.876	29.21	0
12/24/20 18:20	8.32	136.5	17.52	7.764	29.21	0
12/24/20 18:31	7.862	129.1	23.05	7.412	29.21	0
12/24/20 18:53	7.107	133.7	29.11	7.537	29.18	0
12/24/20 19:09	8.13	123.7	17.23	7.452	29.18	0
12/24/20 19:29	7.608	133.8	16.17	7.46	29.18	0
12/24/20 19:39	7.94	123.2	27.32	7.391	29.18	0
12/24/20 19:58	7.762	131.3	18.74	7.76	29.18	0
12/24/20 20:11	8.97	133	15.99	7.333	29.18	0
12/24/20 20:27	9.51	116.8	14.88	7.469	29.18	0
12/24/20 20:36	9.1	134.9	15.7	7.199	29.18	0
12/24/20 20:58	7.919	116.5	19.43	6.986	29.15	0
12/24/20 21:01	6.033	109.1	21.15	7.11	29.15	0
12/24/20 21:16	7.174	123.7	17.15	7.822	29.15	0
12/24/20 21:45	9.7	129.2	15.65	8.19	29.15	0
12/24/20 21:45	9.22	123.7	13.4	8.55	29.14	0
12/24/20 22:03	8.83	142.4	13.24	8.32	29.14	0
12/24/20 22:22	10.14	144.8	8.52	7.741	29.14	0
12/24/20 22:39	9.94	137.4	9.11	7.512	29.14	0
12/24/20 22:45	5.621	119.8	18.85	7.077	29.12	0
12/24/20 23:09	6.54	159.7	11.25	6.883	29.12	0
12/24/20 23:20	6.61	133.7	9.58	6.937	29.12	0
12/24/20 23:41	7.209	130.2	8.88	7.057	29.12	0
12/24/20 23:54	8.48	127.3	9.87	7.228	29.11	0
12/25/20 0:03	11	126	10.56	7.641	29.11	0
12/25/20 0:29	8.88	138.9	9.49	7.705	29.11	0
12/25/20 0:33	8.09	132.6	9.98	7.593	29.11	0
12/25/20 0:59	9.19	124.2	16.58	7.445	29.11	0
12/25/20 1:14	11.74	126.1	15.78	7.982	29.11	0
12/25/20 1:18	10.35	131.9	17.83	7.803	29.11	0
12/25/20 1:34	10.51	128.7	14.14	7.924	29.11	0
12/25/20 1:46	9.54	141.4	14.3	8.32	29.09	0
12/25/20 2:05	9.51	141.8	13.18	8.29	29.09	0
12/25/20 2:28	10.27	136.2	11.67	8.32	29.09	0
12/25/20 2:41	10.6	147.2	13.21	8.31	29.09	0
12/25/20 2:49	11.39	152.1	16.54	8.29	29.11	0
12/25/20 3:07	12.76	136.3	12.78	8.14	29.11	0
12/25/20 3:27	13.54	134	11.25	8.45	29.11	0
12/25/20 3:36	13.92	134.8	11.81	8.68	29.11	0
12/25/20 3:57	14.22	129	12.09	8.72	29.08	0
12/25/20 4:00	13.98	126.8	11.07	9.17	29.08	0
12/25/20 4:27	13.5	128.6	10.9	9.4	29.08	0
12/25/20 4:38	12.64	131.5	12.73	9.45	29.08	0
12/25/20 4:48	10.55	138.3	13.72	9.42	29.07	0
12/25/20 5:04	12.6	129.8	16.27	9.89	29.07	0
12/25/20 5:29	9.56	153.5	13.25	9.69	29.07	0
12/25/20 5:35	9.13	137	15.02	9.45	29.07	0
12/25/20 5:58	10.15	137.3	11.11	9.14	29.05	0
12/25/20 6:13	9.35	138	14.56	8.85	29.05	0
12/25/20 6:21	9.89	134.4	21.38	8.72	29.05	0
12/25/20 6:33	8.12	137.9	28.68	8.99	29.05	0
12/25/20 6:55	7.42	140.6	31.9	8.61	29.05	0
12/25/20 7:09	10.71	115	15.02	8.91	29.05	0
12/25/20 7:18	8.05	112.9	16.18	9.05	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
12/25/20 7:42	9.77	131.4	14.33	9	29.05	0
12/25/20 7:59	7.448	116.2	17.75	8.57	29.03	0
12/25/20 8:03	7.325	95.7	20.75	8.19	29.03	0
12/25/20 8:24	6.004	99.5	17.44	7.914	29.03	0
12/25/20 8:41	9.11	101.2	13.33	7.769	29.03	0
12/25/20 8:47	9.23	112.8	9.54	8.45	28.99	0
12/25/20 9:11	6.476	148.2	27.21	8.57	28.99	0
12/25/20 9:19	8.01	152.8	15.44	8.74	28.99	0
12/25/20 9:42	6.639	145.5	14.23	8.7	28.99	0
12/25/20 9:46	4.055	105.7	24	8.67	29	0
12/25/20 10:10	8.55	126	14.7	8.53	29	0
12/25/20 10:29	11.6	120.9	11.96	8.38	29	0
12/25/20 10:39	12.58	109.6	13.53	8.34	29	0
12/25/20 10:54	10.24	118.2	12.8	8.43	28.99	0
12/25/20 11:13	10.38	124.9	19.16	8.62	28.99	0
12/25/20 11:22	12.86	124.9	12.7	8.42	28.99	0
12/25/20 11:36	13.58	123.2	10.26	8.25	28.99	0
12/25/20 11:52	11.68	117.7	14.31	8.31	28.94	0
12/25/20 12:12	13.3	118.1	13.91	8.43	28.94	0
12/25/20 12:26	13.76	134.1	11.77	8.87	28.94	0
12/25/20 12:35	16.92	126.2	11.7	8.96	28.94	0
12/25/20 12:45	18.79	132	10.83	8.88	28.9	0
12/25/20 13:06	16.86	126.2	10.38	8.9	28.9	0
12/25/20 13:15	15.9	121.6	9.99	8.92	28.9	0
12/25/20 13:35	14.42	129.1	10.38	8.78	28.9	0
12/25/20 13:45	13.4	126.9	8.94	8.47	28.87	0
12/25/20 14:14	13.84	125.2	10.47	8.05	28.87	0
12/25/20 14:25	16.93	116.9	11.89	7.762	28.87	0
12/25/20 14:43	14.76	117.5	12.28	6.895	28.87	0
12/25/20 14:53	17.09	115	12.19	5.976	28.85	0.01
12/25/20 15:04	18.14	118.1	11.13	5.392	28.85	0.01
12/25/20 15:27	16.4	114.2	12.93	4.97	28.85	0
12/25/20 15:44	18.96	115.7	11.14	4.807	28.85	0.01
12/25/20 15:45	19.25	122.6	10.15	4.671	28.83	0.02
12/25/20 16:09	17.39	116.5	10.93	4.484	28.83	0.02
12/25/20 16:21	17.29	110.8	11.51	4.418	28.83	0.03
12/25/20 16:32	9.37	93.1	19.24	4.42	28.83	0.02
12/25/20 16:58	9.07	98.2	20.99	4.482	28.82	0.02
12/25/20 17:13	9.44	96	17.96	4.406	28.82	0.01
12/25/20 17:20	12.85	104.6	13.5	4.543	28.82	0.01
12/25/20 17:33	14.78	107.7	12.83	4.697	28.82	0.01
12/25/20 17:47	11.77	109	14.08	4.946	28.81	0.01
12/25/20 18:09	14.65	109	14.3	4.718	28.81	0.01
12/25/20 18:17	15.22	113.6	10.77	4.725	28.81	0.01
12/25/20 18:43	16.52	117.1	11.18	4.85	28.81	0.01
12/25/20 18:56	19.57	111.7	11.86	4.884	28.78	0.01
12/25/20 19:14	21.39	116.5	10.35	4.988	28.78	0
12/25/20 19:28	19.78	117.8	10.3	5.049	28.78	0
12/25/20 19:37	21.77	117.7	10.08	5.19	28.78	0
12/25/20 19:45	19.44	116.4	10.98	5.371	28.76	0
12/25/20 20:05	20.48	115.6	10.21	5.582	28.76	0
12/25/20 20:24	19.62	114.8	9.97	5.647	28.76	0
12/25/20 20:36	18.55	114.4	10.87	5.265	28.76	0.01
12/25/20 20:53	17.6	111.9	11.56	4.979	28.81	0.02
12/25/20 21:12	18.23	113.6	11.12	4.725	28.81	0.01
12/25/20 21:15	17.73	112.1	11.53	5.122	28.81	0.03
12/25/20 21:31	15.14	122.7	10.45	4.759	28.81	0.01
12/25/20 21:52	16.81	125.7	10.55	4.433	28.82	0
12/25/20 22:14	19.71	118.1	9.57	4.681	28.82	0.01
12/25/20 22:19	18.25	113.6	11.29	4.667	28.82	0.02
12/25/20 22:35	18.66	115.9	11.01	4.565	28.82	0
12/25/20 22:48	18.02	119.1	9.1	4.623	28.84	0.01
12/25/20 23:05	13.81	121.5	10.23	4.808	28.84	0.01
12/25/20 23:19	13.07	115.2	11.24	4.691	28.84	0
12/25/20 23:44	12.08	121	13.06	4.965	28.84	0
12/25/20 23:57	13.35	121.3	11.01	4.99	28.85	0
12/26/20 0:01	12.55	121.5	10.84	5.084	28.85	0
12/26/20 0:15	10.22	124.7	11.59	5.444	28.85	0
12/26/20 0:31	11.18	128.4	9.07	5.247	28.85	0
12/26/20 0:53	11.59	124.3	9.11	5.407	28.85	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/26/20 1:08	12.28	124.5	9.81	5.405	28.85	0
12/26/20 1:15	11.19	127.7	9.28	5.339	28.85	0
12/26/20 1:41	9.99	129.7	9.9	5.515	28.85	0
12/26/20 1:46	9.34	126.7	8.54	5.318	28.89	0
12/26/20 2:01	9.87	128.2	9.5	5.726	28.89	0
12/26/20 2:22	9.96	129.7	12.7	5.688	28.89	0
12/26/20 2:42	9.92	129.9	9.71	5.467	28.89	0
12/26/20 2:52	9.84	131.2	8.83	5.286	28.91	0
12/26/20 3:02	11.02	135.2	9.42	5.248	28.91	0
12/26/20 3:23	9.1	131.3	9.1	5.411	28.91	0
12/26/20 3:43	8.64	131.2	10.35	5.546	28.91	0
12/26/20 3:57	10.08	144.1	9.11	5.925	28.91	0
12/26/20 4:07	10.69	144.3	7.024	6.348	28.91	0
12/26/20 4:15	9.78	134.6	7.911	6.107	28.91	0
12/26/20 4:40	10.54	142.6	8.16	6.255	28.91	0
12/26/20 4:58	10.39	140.5	8.64	6.295	28.96	0
12/26/20 5:05	13.69	166.7	8.41	6.604	28.96	0
12/26/20 5:15	12.93	172.1	8.92	6.74	28.96	0
12/26/20 5:39	11.31	172.9	8.37	7.084	28.96	0
12/26/20 5:45	9.03	169.7	10.44	7.176	28.97	0
12/26/20 6:14	9.59	176.6	9.84	7.132	28.97	0
12/26/20 6:25	9.83	165.2	9.42	7.211	28.97	0
12/26/20 6:35	7.603	149.6	12.96	6.987	28.97	0
12/26/20 6:56	6.051	153.4	17.69	6.651	29.03	0
12/26/20 7:04	8.38	155.3	10.95	6.744	29.03	0
12/26/20 7:29	8.54	144.4	7.322	6.621	29.03	0
12/26/20 7:42	9.5	150	8.49	6.685	29.03	0
12/26/20 7:51	11.17	170.9	8.31	6.996	29.03	0
12/26/20 8:04	12.63	166.4	8.05	7.093	29.03	0
12/26/20 8:16	10.87	165.1	9.91	7.06	29.03	0
12/26/20 8:39	11.45	151.6	9.66	7.1	29.03	0
12/26/20 8:55	12.02	156.8	9.24	7.165	29.08	0
12/26/20 9:08	13.36	166.4	8.3	7.345	29.08	0
12/26/20 9:16	12.65	169.6	7.097	7.687	29.08	0
12/26/20 9:33	13.17	171.2	7.968	7.758	29.08	0
12/26/20 9:47	12.21	172.2	7.813	7.735	29.12	0
12/26/20 10:06	10.71	172.3	8.05	7.832	29.12	0
12/26/20 10:29	12.26	173.4	8.01	7.936	29.12	0
12/26/20 10:42	14.87	180.9	9.42	7.935	29.12	0
12/26/20 10:47	15.26	188.3	8.99	7.371	29.14	0
12/26/20 11:13	13.75	181.8	9.54	6.942	29.14	0
12/26/20 11:27	15.14	180.6	7.978	6.788	29.14	0
12/26/20 11:33	15.71	175.5	8.93	6.766	29.14	0
12/26/20 11:48	16.19	171.7	10.16	6.77	29.14	0
12/26/20 12:07	13.29	173.2	7.601	6.685	29.14	0
12/26/20 12:26	12.2	164.5	9.69	6.856	29.14	0
12/26/20 12:30	11.87	183	12.84	6.507	29.14	0.01
12/26/20 12:57	11.25	184	11.76	6.425	29.19	0
12/26/20 13:00	10.94	165.9	9.66	6.536	29.19	0
12/26/20 13:15	9.16	167.9	9.89	6.88	29.19	0
12/26/20 13:30	10.19	175.4	11.13	7.231	29.19	0
12/26/20 13:53	11.2	171.6	10.55	7.696	29.2	0
12/26/20 14:09	13.45	186.4	10.69	7.67	29.2	0
12/26/20 14:28	10.91	187.8	12.98	7.81	29.2	0
12/26/20 14:44	12.74	181.6	10.68	7.957	29.2	0
12/26/20 14:48	13.16	184.5	8.68	7.698	29.21	0
12/26/20 15:10	10.58	181.3	11.04	7.831	29.21	0
12/26/20 15:29	11.69	187.3	8.96	7.805	29.21	0
12/26/20 15:31	13.66	184.2	11.31	7.72	29.21	0
12/26/20 15:49	12.68	186.8	8.39	7.394	29.24	0
12/26/20 16:04	12.22	189	9.05	7.22	29.24	0
12/26/20 16:20	9.66	181.6	8.32	7.154	29.24	0
12/26/20 16:32	7.751	147.5	8.7	6.789	29.24	0
12/26/20 16:52	10.2	227.9	58.35	5.72	29.26	0.03
12/26/20 17:12	8.08	252.4	16.14	4.847	29.26	0.01
12/26/20 17:15	6.485	208.7	28.6	5.168	29.26	0
12/26/20 17:43	3.132	135.6	11.1	4.661	29.26	0
12/26/20 17:50	5.23	132.7	6.982	4.443	29.27	0
12/26/20 18:10	5.88	105.4	11.52	4.584	29.27	0
12/26/20 18:29	5.485	117.1	12.45	4.979	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
12/26/20 18:31	4.413	142.2	15.02	5.559	29.27	0
12/26/20 18:45	3.216	103.4	31.67	5.573	29.29	0
12/26/20 19:12	2.672	162.1	68.85	5.016	29.29	0
12/26/20 19:20	4.611	129.4	9.43	5.587	29.29	0
12/26/20 19:41	5.323	118.6	5.488	5.499	29.29	0
12/26/20 19:58	6.496	135.5	8.73	5.591	29.27	0
12/26/20 20:06	7.004	134.5	7.842	5.593	29.27	0
12/26/20 20:17	6.504	128.4	6.848	5.761	29.27	0
12/26/20 20:40	6.228	132.9	11.69	5.811	29.27	0
12/26/20 20:49	6.034	133.6	13.24	5.901	29.26	0
12/26/20 21:14	5.622	112.3	7.592	5.96	29.26	0
12/26/20 21:17	7.321	128	10.59	6.067	29.26	0
12/26/20 21:34	7.006	136.8	7.655	6.394	29.26	0
12/26/20 21:59	6.639	125.9	7.565	6.548	29.27	0
12/26/20 22:13	7.214	122.9	6.629	6.861	29.27	0
12/26/20 22:16	6.324	131.7	8.44	7.023	29.27	0
12/26/20 22:31	5.748	129.8	7.1	7.169	29.27	0
12/26/20 22:54	10.05	162.5	23.23	6.737	29.27	0.01
12/26/20 23:00	5.661	141.7	11.04	5.779	29.27	0
12/26/20 23:18	5.326	133.3	14.96	6.233	29.27	0.01
12/26/20 23:44	4.242	101.3	22.95	5.886	29.27	0
12/26/20 23:57	5.925	83.9	9.42	5.659	29.27	0
12/27/20 0:00	6.532	97.5	11.4	5.848	29.27	0
12/27/20 0:16	3.602	118.1	24.71	5.965	29.27	0
12/27/20 0:40	4.349	149.6	33.69	5.844	29.27	0
12/27/20 0:47	4.781	120	17.19	5.79	29.27	0
12/27/20 1:01	4.242	139	20.73	6.024	29.27	0
12/27/20 1:20	5.237	128.4	11.79	6.279	29.27	0
12/27/20 1:35	4.666	124.8	13.79	5.932	29.27	0
12/27/20 1:49	6.407	137.5	14.14	6.267	29.25	0
12/27/20 2:11	8.8	125	8.44	6.448	29.25	0
12/27/20 2:17	9.12	123.1	9.31	6.639	29.25	0
12/27/20 2:31	9.13	120.8	8.73	6.861	29.25	0
12/27/20 2:45	7.427	123.8	11.67	6.938	29.27	0
12/27/20 3:04	6.672	130.7	12.64	6.884	29.27	0
12/27/20 3:23	7.901	145.3	8.21	6.96	29.27	0
12/27/20 3:32	7.564	131.4	9.67	6.879	29.27	0
12/27/20 3:47	7.998	119	8.54	7.009	29.26	0
12/27/20 4:10	8.32	117.2	9.6	6.957	29.26	0
12/27/20 4:17	5.685	115.9	11.13	6.96	29.26	0
12/27/20 4:40	6.571	131.9	9.87	6.944	29.26	0
12/27/20 4:58	7.22	122.8	10.34	6.967	29.25	0
12/27/20 5:07	8.15	119.2	11.17	7.052	29.25	0
12/27/20 5:15	7.291	119.8	11.2	7.141	29.25	0
12/27/20 5:30	4.845	129.9	11.72	6.927	29.25	0
12/27/20 5:58	4.641	139.2	20.58	6.869	29.25	0
12/27/20 6:10	4.665	143.2	25.91	6.705	29.25	0
12/27/20 6:23	7.417	123.5	20.35	6.768	29.25	0
12/27/20 6:35	9.98	129.1	12.02	6.749	29.25	0
12/27/20 6:49	11.38	121	10.34	6.966	29.24	0
12/27/20 7:06	9.06	117	11.43	6.896	29.24	0
12/27/20 7:20	8.17	114.8	11.12	6.725	29.24	0
12/27/20 7:30	6.343	145.5	15.41	6.348	29.24	0
12/27/20 7:48	7.612	138.2	10.84	6.137	29.25	0
12/27/20 8:04	6.33	135	10.2	5.94	29.25	0
12/27/20 8:16	7.302	130.8	15.35	6.275	29.25	0
12/27/20 8:40	5.243	179.9	17.42	5.611	29.25	0.01
12/27/20 8:54	5.558	164.9	12.71	5.346	29.25	0
12/27/20 9:01	4.233	164.6	14.86	5.308	29.25	0
12/27/20 9:17	3.791	131.2	22.41	5.28	29.25	0
12/27/20 9:32	4.471	89	11.34	5.315	29.25	0.01
12/27/20 9:54	6.426	92.2	12.35	5.323	29.26	0
12/27/20 10:00	6.452	96.7	14.28	5.45	29.26	0
12/27/20 10:16	4.576	77.02	12.82	5.527	29.26	0
12/27/20 10:40	4.382	35.85	14	5.319	29.26	0
12/27/20 10:58	6.009	34.74	8.9	5.211	29.25	0
12/27/20 11:12	7.077	23.34	8.9	4.994	29.25	0
12/27/20 11:15	5.911	30.42	12.82	5.12	29.25	0
12/27/20 11:36	4.832	37.25	10.36	5.193	29.25	0
12/27/20 11:45	3.523	39.52	9.09	5.432	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
12/27/20 12:13	1.033	311.6	56.19	5.94	29.2	0
12/27/20 12:28	2.09	340.5	93.6	7.165	29.2	0
12/27/20 12:30	1.883	309.8	15.37	6.808	29.2	0
12/27/20 12:51	0.81	70.48	45.45	7.994	29.22	0
12/27/20 13:10	1.333	62.9	61.01	8.38	29.22	0
12/27/20 13:26	1.167	32.53	20.97	8.04	29.22	0
12/27/20 13:38	0.761	6.276	14.49	8.25	29.22	0
12/27/20 13:51	1.89	7.042	14.04	7.779	29.2	0
12/27/20 14:08	1.17	42.76	36.38	7.811	29.2	0
12/27/20 14:26	0.907	183.6	42.39	8.66	29.2	0
12/27/20 14:38	2.2	158.5	36.9	9.08	29.2	0
12/27/20 14:47	1.079	115.7	29.89	9.39	29.19	0
12/27/20 15:00	1.655	49.24	35.62	8.38	29.19	0
12/27/20 15:28	0.51	33.95	13.78	7.742	29.19	0
12/27/20 15:41	2.44	29.69	12.79	7.54	29.19	0.01
12/27/20 15:57	2.834	43.37	31.46	7.677	29.19	0
12/27/20 16:09	4.19	121.1	15.7	8.56	29.19	0
12/27/20 16:24	3.57	132.5	17.93	8.4	29.19	0
12/27/20 16:42	2.42	144.1	19.99	8.27	29.19	0
12/27/20 16:53	2.078	134.3	21.58	7.892	29.2	0
12/27/20 17:14	1.397	167.2	53.09	7.436	29.2	0
12/27/20 17:19	2.439	128.6	24.94	7.404	29.2	0
12/27/20 17:39	1.37	105.2	71.04	7.415	29.2	0
12/27/20 17:47	2.069	329.5	14.67	6.605	29.2	0
12/27/20 18:06	1.606	355.5	22.85	6.502	29.2	0
12/27/20 18:20	1.252	61.68	30.68	6.912	29.2	0
12/27/20 18:37	4.414	116.4	17.86	7.01	29.2	0
12/27/20 18:55	5.695	130.7	9.78	6.757	29.2	0
12/27/20 19:05	5.847	134	10.84	6.619	29.2	0
12/27/20 19:20	5.793	123.9	13.93	6.802	29.2	0
12/27/20 19:42	4.904	131.1	11.43	6.626	29.2	0
12/27/20 19:45	3.187	114.8	15.74	6.688	29.19	0
12/27/20 20:01	0.737	163.6	43.61	6.251	29.19	0
12/27/20 20:15	1.014	261	19.86	5.944	29.19	0
12/27/20 20:41	0.689	316.1	6.07	6.267	29.19	0
12/27/20 20:54	1.683	114.1	43.3	6.185	29.2	0
12/27/20 21:11	5.201	99.6	13.77	6.267	29.2	0
12/27/20 21:29	4.963	109.2	10.76	5.93	29.2	0
12/27/20 21:44	5.963	106	11.6	5.492	29.2	0
12/27/20 21:49	6.405	109.6	10.02	5.295	29.22	0
12/27/20 22:07	4.641	99.7	16.11	5.296	29.22	0
12/27/20 22:17	4.974	93.6	12.85	5.472	29.22	0
12/27/20 22:31	7.143	96.8	8.82	5.238	29.22	0
12/27/20 22:57	7.382	101.8	8.22	5.104	29.23	0
12/27/20 23:12	7.205	107.5	10.65	5.405	29.23	0
12/27/20 23:25	6.838	109.4	10.2	5.378	29.23	0
12/27/20 23:36	7.065	117.2	9.28	5.407	29.23	0
12/27/20 23:49	6.735	105.8	13.72	5.12	29.23	0
12/28/20 0:02	6.128	91.2	14.06	4.85	29.23	0
12/28/20 0:28	6.822	101	7.395	5.035	29.23	0
12/28/20 0:37	6.507	98.6	11.37	5.077	29.23	0
12/28/20 0:45	4.674	76.2	34.3	4.5	29.23	0
12/28/20 1:11	3.545	50.22	12.46	3.665	29.23	0
12/28/20 1:28	4.476	47.4	12.33	4.312	29.23	0
12/28/20 1:40	4.596	59.31	14.54	5.025	29.23	0
12/28/20 1:57	3.84	54.64	10.14	4.737	29.23	0
12/28/20 2:08	5.07	49.27	10.07	3.711	29.23	0
12/28/20 2:22	4.429	36.31	7.766	4.036	29.23	0
12/28/20 2:45	3.212	22.44	8.34	4.055	29.23	0
12/28/20 2:49	3.5	28.48	10.59	3.902	29.24	0
12/28/20 3:12	3.463	38.47	15.63	4.227	29.24	0
12/28/20 3:28	3.376	38.04	15.16	3.678	29.24	0
12/28/20 3:39	4.027	24.95	8.97	3.488	29.24	0
12/28/20 3:50	3.61	31.18	6.263	3.53	29.23	0
12/28/20 4:11	4.158	35.12	9.21	3.078	29.23	0
12/28/20 4:23	4.171	25.87	9.89	2.379	29.23	0
12/28/20 4:41	4.389	21.53	11.38	2.4	29.23	0
12/28/20 4:57	5.247	14.29	9.59	1.863	29.22	0
12/28/20 5:03	4.351	23.8	9.69	1.709	29.22	0
12/28/20 5:25	4.693	15.98	13.45	0.657	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
12/28/20 5:42	5.466	19.63	8.73	-0.391	29.22	0
12/28/20 5:55	5.673	20.98	12.81	-0.264	29.25	0
12/28/20 6:02	5.526	11.31	12.8	-0.011	29.25	0
12/28/20 6:16	5.916	9.03	10.24	0.53	29.25	0
12/28/20 6:38	5.714	7.468	8.51	0.346	29.25	0
12/28/20 6:48	4.307	6.43	7.924	0.156	29.24	0
12/28/20 7:00	3.024	1.561	11.72	0.776	29.24	0
12/28/20 7:30	2.613	352.6	34.94	1.104	29.24	0
12/28/20 7:40	4.373	16.29	9.65	1.273	29.24	0
12/28/20 7:50	5.069	8.1	9.51	0.701	29.24	0
12/28/20 8:06	4.523	16.51	7.562	0.59	29.24	0
12/28/20 8:30	5.208	9.53	9.17	0.575	29.24	0
12/28/20 8:30	5.111	6.711	7.759	0.525	29.24	0
12/28/20 8:45	4.162	4.588	11.85	1.088	29.27	0
12/28/20 9:00	3.787	10.47	9.16	0.816	29.27	0
12/28/20 9:22	3.121	14.31	14.25	1.002	29.27	0
12/28/20 9:40	2.357	17.29	8.87	0.879	29.27	0
12/28/20 9:51	2.537	24.43	20.39	1.364	29.27	0
12/28/20 10:06	2.193	32.94	25.09	2.196	29.27	0
12/28/20 10:29	2.31	15.14	18.7	2.386	29.27	0
12/28/20 10:36	2.257	7.615	34.37	3.603	29.27	0
12/28/20 10:59	0.774	181.8	0.469	4.432	29.26	0
12/28/20 11:00	1.376	181	0.213	5.326	29.26	0
12/28/20 11:28	0.029	183.4	2.244	5.553	29.26	0
12/28/20 11:42	1.135	36.24	17.71	5.91	29.26	0.11
12/28/20 11:45	2.463	31.89	11.91	1.794	29.27	0.12
12/28/20 12:07	2.851	17.08	7.849	5.635	29.27	0
12/28/20 12:28	3.315	22.56	6.227	15.7	29.27	0
12/28/20 12:33	3.752	18.74	7.992	3.663	29.27	0
12/28/20 12:59	2.055	28.31	9.66	4.686	29.27	0
12/28/20 13:07	3.454	22.13	7.521	4.921	29.27	0
12/28/20 13:20	3.697	22.74	7.017	5.126	29.27	0
12/28/20 13:44	4.217	18.82	9.56	5.23	29.27	0
12/28/20 13:45	4.126	21.23	10.12	5.307	29.27	0
12/28/20 14:07	4.418	25.64	9.52	5.273	29.27	0
12/28/20 14:22	4.92	19.03	9.08	5.35	29.27	0
12/28/20 14:41	5.175	17.73	9.71	5.395	29.27	0
12/28/20 14:49	6.157	14.89	8.83	5.336	29.28	0
12/28/20 15:04	4.807	11.06	9.64	5.405	29.28	0
12/28/20 15:26	4.008	1.449	19.99	5.434	29.28	0
12/28/20 15:37	4.041	342.8	21.11	5.761	29.28	0
12/28/20 15:46	3.521	1.049	19.37	5.253	29.28	0
12/28/20 16:01	4.861	19.31	12.45	5.047	29.28	0
12/28/20 16:25	4.781	6.908	13.64	4.197	29.28	0
12/28/20 16:42	4.498	1	15.82	4.074	29.28	0
12/28/20 16:59	6.839	9.54	11.64	3.777	29.3	0
12/28/20 17:04	8.78	6.357	13.63	3.96	29.3	0
12/28/20 17:24	9.05	5.024	17.92	4.005	29.3	0
12/28/20 17:34	9.61	8.06	15.66	3.914	29.3	0
12/28/20 17:46	6.771	16.91	13.05	3.596	29.32	0
12/28/20 18:08	6.684	10.17	10.53	3.515	29.32	0
12/28/20 18:17	5.714	22.42	10.64	3.512	29.32	0
12/28/20 18:40	4.724	28.59	9.23	3.136	29.32	0
12/28/20 18:49	4.401	52.91	12.12	3.287	29.32	0
12/28/20 19:08	4.025	62.22	11.49	3.094	29.32	0
12/28/20 19:17	1.439	73.75	5.761	2.809	29.32	0
12/28/20 19:44	0.364	36.52	4.806	2.65	29.32	0
12/28/20 19:45	2.712	17.15	17.78	2.572	29.34	0
12/28/20 20:10	4.228	350	10.9	2.192	29.34	0
12/28/20 20:21	4.039	347	15.49	2.311	29.34	0
12/28/20 20:42	4.017	4.098	13.11	2.202	29.34	0
12/28/20 20:45	1.37	19.2	10.14	1.781	29.33	0
12/28/20 21:11	2.355	46.15	8.29	1.241	29.33	0
12/28/20 21:23	2.902	56.73	8.39	1.747	29.33	0
12/28/20 21:31	2.083	89.5	21.33	2.436	29.33	0
12/28/20 21:52	2.094	159.6	14.37	1.999	29.34	0
12/28/20 22:13	2.301	159.7	9.57	1.724	29.34	0
12/28/20 22:15	1.833	135.3	17.02	1.656	29.34	0
12/28/20 22:35	1.776	123.6	12.45	1.512	29.34	0
12/28/20 22:56	1.484	80.4	24.25	0.861	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
12/28/20 23:01	0.656	133.1	3.961	1.511	29.37	0
12/28/20 23:27	1.965	133.5	28.34	1.98	29.37	0
12/28/20 23:43	3.079	99.5	8.47	0.763	29.37	0
12/28/20 23:54	2.902	75.55	8.78	0.737	29.36	0
12/29/20 0:00	1.45	50.9	11.59	1.24	29.36	0
12/29/20 0:28	0.213	352.3	16.3	2.36	29.36	0
12/29/20 0:44	1.366	181.6	57.41	1.452	29.36	0
12/29/20 0:56	3.528	158.2	5.478	1.75	29.37	0
12/29/20 1:08	2.873	162.2	14.7	1.856	29.37	0
12/29/20 1:27	3.675	147.7	10.57	1.21	29.37	0
12/29/20 1:30	2.545	119.1	15.95	0.612	29.37	0
12/29/20 1:49	1.666	96.2	3.075	0.833	29.39	0
12/29/20 2:12	2.326	76.51	6.304	1.454	29.39	0
12/29/20 2:16	1.67	63.08	11.2	1.915	29.39	0
12/29/20 2:32	0.601	66	4.447	2.284	29.39	0
12/29/20 2:58	1.402	153.4	18.32	1.871	29.38	0
12/29/20 3:01	2.226	126.2	8.59	1.601	29.38	0
12/29/20 3:15	2.186	113.2	8.65	1.435	29.38	0
12/29/20 3:42	2.646	105.4	7.213	1.399	29.38	0
12/29/20 3:48	2.276	116.3	6.126	1.601	29.4	0
12/29/20 4:00	0.674	96.6	14.44	1.545	29.4	0
12/29/20 4:29	0.991	78.87	15.33	1.473	29.4	0
12/29/20 4:33	3.133	142.3	9.68	1.33	29.4	0
12/29/20 4:47	2.844	136.8	8.59	1.2	29.39	0
12/29/20 5:13	2.636	152.9	4.768	1.408	29.39	0
12/29/20 5:27	4.133	142.7	7.931	1.401	29.39	0
12/29/20 5:44	5.228	138.2	8.54	1.019	29.39	0
12/29/20 5:45	5.294	131.9	7.454	0.931	29.42	0
12/29/20 6:04	5.443	144	5.632	0.872	29.42	0
12/29/20 6:28	6.622	145.4	4.857	0.839	29.42	0
12/29/20 6:36	7.582	135.7	4.548	0.918	29.42	0
12/29/20 6:45	5.522	137.1	7.481	1.009	29.43	0
12/29/20 7:06	4.851	131	5.36	1.237	29.43	0
12/29/20 7:25	4.443	135.3	6.772	1.272	29.43	0
12/29/20 7:35	4.399	146.2	5.833	0.679	29.43	0
12/29/20 7:55	5.064	141.7	5.531	1.077	29.43	0
12/29/20 8:00	3.447	134	8.34	1.371	29.43	0
12/29/20 8:19	3.133	142.3	5.47	1.757	29.43	0
12/29/20 8:30	2.272	99.1	21.42	0.915	29.43	0
12/29/20 8:59	1.902	81	8.57	0.547	29.44	0
12/29/20 9:11	3.057	107.6	17.91	1.033	29.44	0
12/29/20 9:22	5.007	179.6	16.87	1.079	29.44	0
12/29/20 9:31	4.302	168.5	16.38	1.455	29.44	0
12/29/20 9:45	2.473	164.1	31.55	1.953	29.45	0
12/29/20 10:07	2.045	233.6	18.78	1.671	29.45	0
12/29/20 10:18	1.441	226	46.65	1.665	29.45	0
12/29/20 10:41	1.691	151.3	12.58	2.325	29.45	0
12/29/20 10:58	2.302	147.8	12.84	2.446	29.44	0
12/29/20 11:14	4.636	160.5	8.95	2.383	29.44	0
12/29/20 11:29	4.733	151.4	11.7	2.455	29.44	0
12/29/20 11:35	4.332	117.3	13.26	2.26	29.44	0
12/29/20 11:50	4.572	117.7	17.58	2.604	29.42	0
12/29/20 12:12	4.329	177	17.43	3.271	29.42	0
12/29/20 12:25	5.1	190.1	7.427	2.898	29.42	0
12/29/20 12:33	5.005	177.5	9.22	3.025	29.42	0
12/29/20 12:52	4.405	177.4	7.307	3.056	29.42	0
12/29/20 13:14	3.278	182.2	11.24	3.116	29.42	0
12/29/20 13:19	4.697	197.1	11.36	3.121	29.42	0
12/29/20 13:30	3.699	187.8	12.3	3.547	29.42	0
12/29/20 13:52	4.06	167.4	8.91	3.704	29.41	0
12/29/20 14:11	3.844	148.5	11.6	3.508	29.41	0
12/29/20 14:28	3.813	131.4	38.36	3.623	29.41	0
12/29/20 14:35	3.896	162.2	39.08	3.957	29.41	0
12/29/20 14:51	2.648	157.2	36.46	4.137	29.41	0
12/29/20 15:00	3.631	160.3	36.2	3.932	29.41	0
12/29/20 15:19	3.32	105.3	14.56	4.462	29.41	0
12/29/20 15:41	5.03	92.3	12.26	4.266	29.41	0
12/29/20 15:52	5.52	102.6	8.63	5.477	29.41	0
12/29/20 16:04	4.241	104.9	11.31	6.239	29.41	0
12/29/20 16:28	4.368	114.5	11.69	6.472	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
12/29/20 16:43	5.296	98.2	7.454	6.456	29.41	0
12/29/20 16:45	4.356	103.4	7.546	6.09	29.42	0
12/29/20 17:02	2.9	104.9	16.85	6.18	29.42	0
12/29/20 17:25	2.719	85.4	9.44	5.046	29.42	0
12/29/20 17:35	3.872	72.49	5.083	4.283	29.42	0
12/29/20 17:56	5.927	93.7	11.92	4.653	29.39	0.01
12/29/20 18:12	6.327	125	13.1	5.629	29.39	0
12/29/20 18:28	7.645	215.5	42.42	4.281	29.39	0
12/29/20 18:30	8.52	245.4	6.442	3.2	29.39	0.01
12/29/20 18:45	7.296	218.2	17.66	3.163	29.38	0.01
12/29/20 19:00	4.479	125.5	64.03	2.889	29.38	0.01
12/29/20 19:30	4.146	85.9	15.17	2.672	29.38	0.02
12/29/20 19:39	6.094	104.2	9.74	2.961	29.38	0.02
12/29/20 19:54	6.866	118.7	7.064	3.235	29.37	0.01
12/29/20 20:10	7.925	107.9	8.53	3.544	29.37	0.01
12/29/20 20:28	7.085	111	10.02	3.967	29.37	0.01
12/29/20 20:33	7.303	117	8.03	4.514	29.37	0.01
12/29/20 20:50	7.799	126.1	17.28	4.882	29.34	0
12/29/20 21:03	7.483	129.2	10.99	4.925	29.34	0.01
12/29/20 21:16	7.248	138.6	10.66	4.795	29.34	0
12/29/20 21:31	4.964	132.6	10.58	4.692	29.34	0
12/29/20 21:47	4.044	144.8	11.48	4.655	29.32	0
12/29/20 22:01	4.551	137.8	11.23	4.597	29.32	0
12/29/20 22:21	5.183	116.1	13.02	4.646	29.32	0
12/29/20 22:43	3.898	107.7	16.06	4.63	29.32	0.01
12/29/20 22:57	4.618	137.9	20.12	4.756	29.31	0
12/29/20 23:05	6.506	151.8	11.25	4.678	29.31	0
12/29/20 23:23	6.041	145.3	12.12	4.541	29.31	0.03
12/29/20 23:30	5.504	165.3	17.51	4.445	29.31	0.01
12/29/20 23:57	4.441	186.6	19.41	4.095	29.32	0
12/30/20 0:04	4.393	155.2	13.61	4.016	29.32	0.01
12/30/20 0:16	4.15	115.7	11.53	3.975	29.32	0.01
12/30/20 0:41	3.428	105.1	7.253	3.964	29.32	0
12/30/20 0:54	4.323	103.1	11.61	3.964	29.31	0.01
12/30/20 1:08	4.153	115.6	16.46	4.048	29.31	0.01
12/30/20 1:25	4.56	132.8	11.7	3.997	29.31	0
12/30/20 1:32	4.951	147.1	15.36	3.919	29.31	0.01
12/30/20 1:58	5.263	135.3	11.89	3.824	29.3	0.01
12/30/20 2:09	6.296	124.1	9.71	3.959	29.3	0.02
12/30/20 2:22	7.691	121.3	9.84	4.178	29.3	0.01
12/30/20 2:30	8.66	122.4	9.48	4.563	29.3	0.01
12/30/20 2:49	7.262	136.9	9.68	4.769	29.27	0.01
12/30/20 3:14	8.42	130.2	6.98	4.738	29.27	0.01
12/30/20 3:24	10.46	125.8	8.34	4.738	29.27	0.01
12/30/20 3:30	9.41	126.9	10.1	4.895	29.27	0.01
12/30/20 3:50	7.783	132.1	9.92	4.821	29.24	0.01
12/30/20 4:13	7.906	123.7	10.14	4.772	29.24	0.01
12/30/20 4:26	10.39	119.1	7.486	4.86	29.24	0.01
12/30/20 4:37	11.13	120	9.67	4.873	29.24	0.01
12/30/20 4:56	9.96	134.6	10.96	4.608	29.22	0.01
12/30/20 5:01	7.154	141.1	20.83	4.246	29.22	0.02
12/30/20 5:15	6.123	130.3	14.14	4.231	29.22	0.02
12/30/20 5:36	5.612	161.6	24.49	3.878	29.22	0.02
12/30/20 5:51	6.231	141.4	18.82	3.803	29.22	0.02
12/30/20 6:12	5.849	130.5	19.57	3.893	29.22	0.02
12/30/20 6:16	4.004	84.9	13.19	3.836	29.22	0.03
12/30/20 6:33	5.27	110.9	9.4	3.999	29.22	0.01
12/30/20 6:54	6.436	117	22.03	4.254	29.16	0.02
12/30/20 7:01	6.173	146.7	35.65	4.221	29.16	0.01
12/30/20 7:16	3.7	122.8	17.28	4.114	29.16	0
12/30/20 7:44	4.306	190.9	29.39	4	29.16	0.01
12/30/20 7:53	9.05	166.7	29.9	3.5	29.16	0.01
12/30/20 8:13	6.975	122.9	13.93	3.731	29.16	0.02
12/30/20 8:29	6.982	101	13.34	3.624	29.16	0.01
12/30/20 8:42	9.37	120.4	15.26	4.535	29.16	0.02
12/30/20 8:59	11.92	126.1	16.66	4.477	29.08	0.02
12/30/20 9:14	18.55	115.7	9.92	4.418	29.08	0.01
12/30/20 9:20	18.8	128.7	11.1	4.634	29.08	0.02
12/30/20 9:38	16.08	141.1	9.47	4.403	29.08	0.01
12/30/20 9:46	12.47	148.5	10.12	3.802	29.04	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
12/30/20 10:06	9.57	157.3	17.98	3.895	29.04	0.02
12/30/20 10:20	7.28	156.5	21.13	4.046	29.04	0
12/30/20 10:42	6.199	181.7	18.01	4.242	29.04	0.01
12/30/20 10:49	4.542	143.5	15.56	4.286	29.04	0.03
12/30/20 11:12	4.197	106.6	16.2	4.251	29.04	0.01
12/30/20 11:23	4.779	90.4	10.83	4.199	29.04	0
12/30/20 11:43	6.22	120.4	28.44	4.489	29.04	0
12/30/20 11:57	8.61	138.6	12.3	5.2	29.02	0
12/30/20 12:14	9.67	134.5	13.14	5.316	29.02	0
12/30/20 12:29	9.65	128.1	9.24	5.639	29.02	0
12/30/20 12:41	9.29	126.6	9.35	5.9	29.02	0
12/30/20 12:50	9.82	128.3	9.3	6.065	29	0
12/30/20 13:03	9.59	133.8	9.75	6.021	29	0
12/30/20 13:16	9.67	122.4	10.75	6.193	29	0
12/30/20 13:44	10.91	122.4	8.27	6.219	29	0
12/30/20 13:46	11.52	119.3	9.86	6.702	28.96	0
12/30/20 14:02	10.66	121	8.48	6.949	28.96	0
12/30/20 14:26	11.49	130.9	9.11	6.885	28.96	0
12/30/20 14:43	11.07	128.3	9.25	6.533	28.96	0
12/30/20 14:51	10.7	118.4	8.59	6.28	28.97	0
12/30/20 15:06	11.45	119.5	8.43	6.438	28.97	0
12/30/20 15:29	12.66	129	8.3	6.592	28.97	0
12/30/20 15:39	11.78	122.3	7.869	6.474	28.97	0
12/30/20 15:52	13.67	122.4	9.33	6.526	28.93	0
12/30/20 16:07	13.7	122.8	9.54	6.72	28.93	0
12/30/20 16:24	14.15	126.7	8.48	6.767	28.93	0
12/30/20 16:33	13.76	128.6	8.62	6.523	28.93	0
12/30/20 16:55	13.48	128.9	8.37	6.235	28.92	0
12/30/20 17:05	13.11	125.6	7.982	6.339	28.92	0
12/30/20 17:22	12.58	129.1	8.66	6.544	28.92	0
12/30/20 17:40	12.29	129.5	8.59	6.601	28.92	0
12/30/20 17:45	11.14	125.3	8.73	6.474	28.89	0.01
12/30/20 18:01	11.13	128.4	8.05	6.821	28.89	0
12/30/20 18:16	10.68	143.6	8.82	6.408	28.89	0.01
12/30/20 18:43	9.54	136.6	9.59	5.769	28.89	0
12/30/20 18:47	9.43	148.1	9.94	5.736	28.93	0
12/30/20 19:14	9.52	155.1	9.07	5.552	28.93	0
12/30/20 19:25	9.81	143.4	9.79	5.923	28.93	0
12/30/20 19:41	10.66	147.2	7.948	6.214	28.93	0
12/30/20 19:48	9.81	152.4	11.55	6.496	28.93	0
12/30/20 20:10	12.15	169.9	11.13	7.304	28.93	0
12/30/20 20:22	14.13	176.4	8.48	7.467	28.93	0
12/30/20 20:31	15.14	169	9.69	7.205	28.93	0.01
12/30/20 20:53	14.76	163.2	7.571	6.974	28.96	0.01
12/30/20 21:00	14.53	162.2	8.65	6.956	28.96	0.01
12/30/20 21:26	14.25	157	7.654	6.86	28.96	0
12/30/20 21:39	15.48	154.2	7.811	6.844	28.96	0.01
12/30/20 21:45	14.63	147.7	7.011	6.824	28.93	0
12/30/20 22:10	12.5	138.7	8.24	6.853	28.93	0
12/30/20 22:22	11.92	146.8	9.05	6.902	28.93	0
12/30/20 22:44	11.29	159.6	7.932	6.987	28.93	0.01
12/30/20 22:57	12.53	168.8	8.56	6.88	28.97	0.01
12/30/20 23:05	11.74	166.1	7.892	6.68	28.97	0.03
12/30/20 23:18	10.84	165.9	7.516	6.622	28.97	0.04
12/30/20 23:44	11.54	171.5	8.97	6.626	28.97	0.02
12/30/20 23:53	13.76	165.9	7.888	6.63	28.95	0.02
12/31/20 0:12	14.92	162.2	7.594	6.758	28.95	0
12/31/20 0:15	12.93	166.6	8.13	6.756	28.95	0.01
12/31/20 0:38	13.08	162.8	8.68	6.841	28.95	0
12/31/20 0:56	12.88	168.5	9.02	6.818	28.99	0.01
12/31/20 1:10	13.56	162.5	8.3	6.915	28.99	0
12/31/20 1:18	15.39	158.2	8.53	6.882	28.99	0.02
12/31/20 1:32	14.12	157.9	8.21	6.752	28.99	0.02
12/31/20 1:45	12.23	158.8	8.65	6.7	28.98	0.03
12/31/20 2:13	12.21	156.3	8.96	6.728	28.98	0.03
12/31/20 2:17	10.59	153.1	7.468	6.727	28.98	0.04
12/31/20 2:43	12.41	152.9	14.8	6.868	28.98	0.01
12/31/20 2:49	12.96	173.7	15.91	6.876	29.02	0.03
12/31/20 3:06	13.22	177.1	10.89	6.88	29.02	0.01
12/31/20 3:15	12.63	176.6	8.51	6.924	29.02	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
12/31/20 3:41	10.04	181.5	11.74	6.866	29.02	0.03
12/31/20 3:54	13.19	166.8	8.81	7.03	29.02	0.01
12/31/20 4:11	13.32	168.2	8.64	7.043	29.02	0.01
12/31/20 4:18	14.46	169.1	8.48	7.031	29.02	0.01
12/31/20 4:34	15.09	168.3	9.12	7.035	29.02	0.01
12/31/20 4:55	13.98	171.8	9.42	7.049	29.03	0.01
12/31/20 5:12	13.58	176.8	9.08	7.146	29.03	0.01
12/31/20 5:20	15.54	177.1	9.78	7.194	29.03	0
12/31/20 5:30	13.98	171.2	8.48	7.173	29.03	0
12/31/20 5:48	13.36	170.3	9.12	7.18	29.08	0.01
12/31/20 6:08	13.28	166.7	9.82	7.172	29.08	0
12/31/20 6:26	12.58	167.6	11.49	7.224	29.08	0
12/31/20 6:33	12.6	176	11.37	7.316	29.08	0
12/31/20 6:52	13.06	190.1	11.37	7.37	29.1	0
12/31/20 7:06	12.18	194.5	10.23	7.402	29.1	0.01
12/31/20 7:19	11.1	196.9	11.24	7.459	29.1	0
12/31/20 7:32	11.71	202.6	9.66	7.552	29.1	0
12/31/20 7:52	11.41	204.3	8.99	7.542	29.12	0
12/31/20 8:01	10.82	198.7	10.72	7.516	29.12	0
12/31/20 8:21	9.69	198.3	12.77	7.451	29.12	0
12/31/20 8:40	9	188.8	9.28	7.346	29.12	0
12/31/20 8:56	9.39	186	10.69	7.342	29.19	0
12/31/20 9:05	9.37	187	10.37	7.367	29.19	0
12/31/20 9:19	8.05	182.2	10.32	7.397	29.19	0
12/31/20 9:36	7.622	173	8.79	7.464	29.19	0
12/31/20 9:52	8.73	175	8.49	7.531	29.24	0
12/31/20 10:08	9.1	178.7	8.61	7.608	29.24	0
12/31/20 10:19	12	192	9.14	7.75	29.24	0
12/31/20 10:34	11.01	191.1	9.74	7.758	29.24	0
12/31/20 10:57	10.09	188.7	10.52	7.87	29.24	0
12/31/20 11:06	10.31	186.9	10.31	7.96	29.24	0
12/31/20 11:15	9.91	187	8.44	8.02	29.24	0
12/31/20 11:35	10.07	187.4	10.38	8.04	29.24	0
12/31/20 11:47	10.03	192.7	9.17	7.838	29.25	0
12/31/20 12:13	9.96	189.2	8.54	7.883	29.25	0
12/31/20 12:28	10.26	182.5	10.5	7.616	29.25	0.01
12/31/20 12:37	10.11	187.7	8.54	7.92	29.25	0
12/31/20 12:55	9.99	196.8	9.97	8.15	29.25	0
12/31/20 13:03	10.61	199	7.42	8.13	29.25	0
12/31/20 13:26	11.03	198.9	8.94	8.41	29.25	0
12/31/20 13:33	9.02	191.3	9.93	8.39	29.25	0
12/31/20 13:55	7.947	171.7	8.27	8.14	29.27	0
12/31/20 14:13	9.21	172.1	8.52	8.03	29.27	0
12/31/20 14:23	9.68	189.7	8.19	7.73	29.27	0
12/31/20 14:33	11.45	197.7	11.42	7.461	29.27	0.01
12/31/20 14:45	8.22	184.4	8.47	7.414	29.29	0
12/31/20 15:12	6.701	169.2	8.79	7.47	29.29	0
12/31/20 15:21	7.28	160.5	13.47	7.522	29.29	0
12/31/20 15:44	6.619	137.8	8.36	7.425	29.29	0
12/31/20 15:45	8.34	142.9	7.351	7.494	29.3	0
12/31/20 16:08	9.43	146.2	8.35	7.528	29.3	0
12/31/20 16:21	9.02	141.4	9.93	7.57	29.3	0
12/31/20 16:30	8.01	142.2	9.39	7.373	29.3	0
12/31/20 16:59	7.832	159	8.22	7.328	29.28	0
12/31/20 17:07	8.79	159.7	9.37	7.403	29.28	0
12/31/20 17:17	7.57	142.7	9.32	7.306	29.28	0.01
12/31/20 17:30	5.807	133.2	10.29	7.234	29.28	0
12/31/20 17:50	6.375	139.2	7.771	7.26	29.3	0
12/31/20 18:07	7.893	139.7	8.76	7.37	29.3	0
12/31/20 18:15	5.44	130.9	10.43	7.284	29.3	0
12/31/20 18:31	4.979	122.1	11.2	7.255	29.3	0
12/31/20 18:47	4.869	122.6	8.11	7.346	29.31	0
12/31/20 19:13	5.242	131.1	14.65	7.469	29.31	0
12/31/20 19:20	6.891	149.1	11.38	7.755	29.31	0
12/31/20 19:32	6.316	140.5	7.314	7.594	29.31	0
12/31/20 19:55	6.315	134.4	6.517	7.49	29.29	0
12/31/20 20:01	5.739	138.7	8.09	7.467	29.29	0
12/31/20 20:18	5.779	143.8	6.803	7.388	29.29	0
12/31/20 20:30	4.849	162.1	14.77	7.345	29.29	0
12/31/20 20:48	3.979	156.6	12.63	7.291	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
12/31/20 21:11	4.786	127.2	7.177	7.346	29.29	0
12/31/20 21:24	4.349	112.9	7.418	7.444	29.29	0
12/31/20 21:31	4.832	117.1	6.112	7.587	29.29	0
12/31/20 21:59	3.995	125.6	9.18	7.67	29.28	0
12/31/20 22:00	5.405	113.3	7.623	7.738	29.28	0
12/31/20 22:20	5.272	121.3	9.7	7.721	29.28	0
12/31/20 22:31	5.298	123.2	10.53	7.804	29.28	0
12/31/20 22:49	3.709	116.9	10.62	7.777	29.25	0
12/31/20 23:07	3.174	119.8	37.09	7.473	29.25	0
12/31/20 23:27	2.408	145.6	26.68	7.135	29.25	0
12/31/20 23:44	3.061	159	16.36	6.99	29.25	0
12/31/20 23:56	4.374	167.1	26.42	6.647	29.22	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL
AREA 5 TOP DECK
MONITORING REPORT

Fourth Quarter 2020

King County

Department of Natural Resources and Parks
Solid Waste Division

February 2021
Printed on recycled paper

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AREA 5 TOP DECK MONITORING
QUARTERLY REPORT

FOURTH 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 FOURTH 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	185.95	353.12*	68,272,638,304	51.63	526,603	10,200	0.0027	0.00005

2020: Precipitation and leachate through 4th Quarter of 2020. Refuse in place through October 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 fourth 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 fourth quarter of 2020, KCSWD staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the fourth quarter, erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities at the landfill.

In addition to KCSWD inspections, inspections were performed by Public Health – Seattle & King County (PHSKC) this quarter. Inspections by PHSKC occurred on October 14 and October 17, 2020. The inspection reports can be viewed in Appendix A.

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 fourth quarter of 2020 surface emission monitoring was conducted from December 15 through January 02, 2021.

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

The results from the fourth 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 fourth 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.

The most recent settlement levels for Area 5 were measured on November 19, 2020. The survey data is given in Table 2, and the settlement at each point is given in Table 3. Although settlement is proceeding at a very low rate, there is no indication that any differential settlement is occurring, nor any concern to cover system integrity.

TABLE 2

CEDAR HILLS REGIONAL LANDFILL AREA 5 SURFACE SURVEY DATA for FOURTH 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
--	--	11/19/2020	757.36	--	--	--	--	11/19/2020	767.67

[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 FOURTH 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-SW-TD4, and SW-TD6 during the fourth quarter of 2020 with exception of two samples collected at SW-TD1 and SW-TD2. This was due to multiple factors including low precipitation throughout the latter half of fourth quarter. Figure 2 shows the Area 5 Top Deck stormwater monitoring station locations.

Fourth Quarter 2020 comparison stormwater samples were not taken, as monthly monitoring of surface water sites was discontinued as of January 1st, 2016 per the new Sampling & Analysis Plan (SAP) for the CHRLF. To address this lack of comparative data, the decision was made that the most recent full-year (2015) data available from surface water site SW-S1 would be averaged and used as the comparison basis.

SW-TD1 and SW-TD2 sample was collected and analyzed in accordance with the Area 5 Top Deck Stormwater Runoff Monitoring Plan.

Stormwater Sample Evaluation

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

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

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

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

A. RESULTS DISCUSSION

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

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

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

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

- pH result for SW-TD2 location was below the designated limit per the applicable water quality criteria.

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

There are no benchmarks or criteria for specific conductance.

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

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

- Temperature result for SW-TD1 location was below the designated limit per the applicable water quality criteria.

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

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

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

- Turbidity at both SW-TD1 and SW-TD2 was measured less than the designated water quality criteria (see Table 4 and Table 5).

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

There are no benchmarks or criteria for COD.

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

There are no benchmarks or criteria for TOC.

Alkalinity - Alkalinity is the measure of the capacity of water to neutralize acids (aka buffer capacity). The alkalinity of natural waters is controlled primarily by the equilibria of the carbonate system. It is produced by dissolved CO_2 acting upon alkaline materials in the soil to produce bicarbonate (HCO_3^-) and carbonate (CO_3^{2-}). The source(s) of CO_2 can vary, including: atmospheric; respiration of water borne organisms or decay of organic matter; or contribution from landfill gas. Increased turbidity can also potentially increase alkalinity.

There are no benchmarks or criteria for alkalinity.

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

There are no benchmarks or criteria for chloride.

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

There are no benchmarks or criteria for sulfate.

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

- SW-TD1 sample monitoring result was higher the designated limit for total iron per the water quality criteria (see Table 4 and Table 5).

B. RESULTS COMPARISON

The Top Deck stormwater runoff exhibited higher than average values versus historical surface water samples for most parameters in the fourth quarter of 2020.

All parameters are likely elevated from recent erosion control issues related to the stockpiling of soils on top of Area 5. Upon comparison with surface water and leachate samples, overall the runoff from the Top Deck more closely resembles surface water than leachate.

Also considered during evaluation is the possible impact of landfill gas on water quality. Elevated alkalinity (i.e. over 150 mg/L) can indicate a landfill gas contribution to the sample (due to the dissolution of carbon dioxide in water). The alkalinity at SW-TD1 was significantly less than this screening criteria during the fourth quarter of 2020. The serpentine monitoring for LFG emissions did not show any detections in this area. KCSWD will continue to monitor for any continuance of elevated alkalinity. Generally, analysis of the data indicates that landfill gas and leachate are not contributing to increases in parameters; however, continued exposed soil runoff is likely impacting water quality.

TABLE 5

Area 5 Top Deck - 4Q2020 Stormwater Monitoring Results

Location	Date	Sample ID	Specific Conductance	pH units	Temp	Turbidity	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-TD1	10/12/2020	STD1201012-	379.7	7.27	12.79	14.7	115	34.7	2.17	0.983	1.01	70.6	9.02
SW-TD2	12/17/2020	STD2201217-	49.4	6.21	7.278	8.96	16.4	20 T	1.56	0.0731	0.411	1.01	5.77
		Average Value =	215	6.74	10.0	12	65.7	34.7	1.87	0.528	0.7	35.8	7.4

U = UNDETECTED, ANALYTE CONCENTRATION <MDL

TABLE 6

SW-S1 - 2015 Stormwater Comparison Monitoring Results

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-S1	1/20/2015	SS1-150120Q	55	7.32	6.7	1.07	11.3	5	2.28	0.012	0.02	2.15	3.27
SW-S1	2/23/2015	SS1-150223M	52	7.31	5.4	0.6	13.4	6.1	2.32	0.01	0.023	2.24	2.2
SW-S1	3/16/2015	SS1-150316M	49	7.13	8.8	2.14	11.9	8.4	1.7	0.027	0.05	1.86	3
SW-S1	4/22/2015	SS1-150422Q	49	6.83	9.4	3.16	17.5	5.7	2.18	0.014	0.029	1.85	2.78
SW-S1	5/19/2015	SS1-150519M	53	6.71	12.4	2.08	19.7	5.5	2.2	0.036	0.0582	0.919	3.34
SW-S1	11/18/2015	SS1-151118Q	65	6.44	8.1	0.42	8.11	9.2	2.69	0.014	0.018	3.32	4.47
SW-S1	12/14/2015	SS1-151214M	53	6.47	7	0.58	7.44	8.6	2.6	0.012	0.017	2.43	3.74
		Average Value =	54	6.9	8.3	1.4	12.8	6.9	2.3	0.018	0.03	2.1	3.3

U = UNDETECTED, ANALYTE CONCENTRATION <MDL

TABLE 7

Leachate Pond Inflow - 3Q2020 Monitoring Results

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	10/7/2020	LV1A201007M	8994	8.03	18.4		6830	10700 S	1520	17.1	30.3	93.3	3380 S
LS-V1A	11/4/2020	LV1A201104M	8020	7.44	18.7		2780	5500	685	8.41	22.9	78.6	1530
LS-V1A	12/1/2020	LV1A201202M	1614	8.22	10.8		2270	3320	518	4.29	12.7	48.5	985 S
LS-V1A	12/3/2020	LV1A201203I2	5395	8.48	15.5	52.5							
		Average Value =	6006	8	16	53	3960	4410	10980	10	22	73	3027

S = INDICATES A SAMPLE HANDLING OR HOLD TIME ERROR

NOTE: LEACHATE IS NOT TYPICALLY ANALYZED (NA) FOR TURBIDITY

V. CONCLUSION

A stormwater sample for the Area 5 Top Deck were collected at monitoring location SW-TD1 and SW-TD2 during the fourth quarter of 2020. There was water quality exceedance with respect to the applicable water quality criteria for pH and total iron at SW-TD2 and SW-TD1 locations. However, when the overall results were compared to 2015 averaged surface water sampling data at SW-S1, and leachate effluent samples from LV1A, the Top Deck sample results exhibited a stronger resemblance to the surface water results, versus the leachate results. Figure 2 shows the Area 5 Top Deck stormwater monitoring station locations of the Area 5.

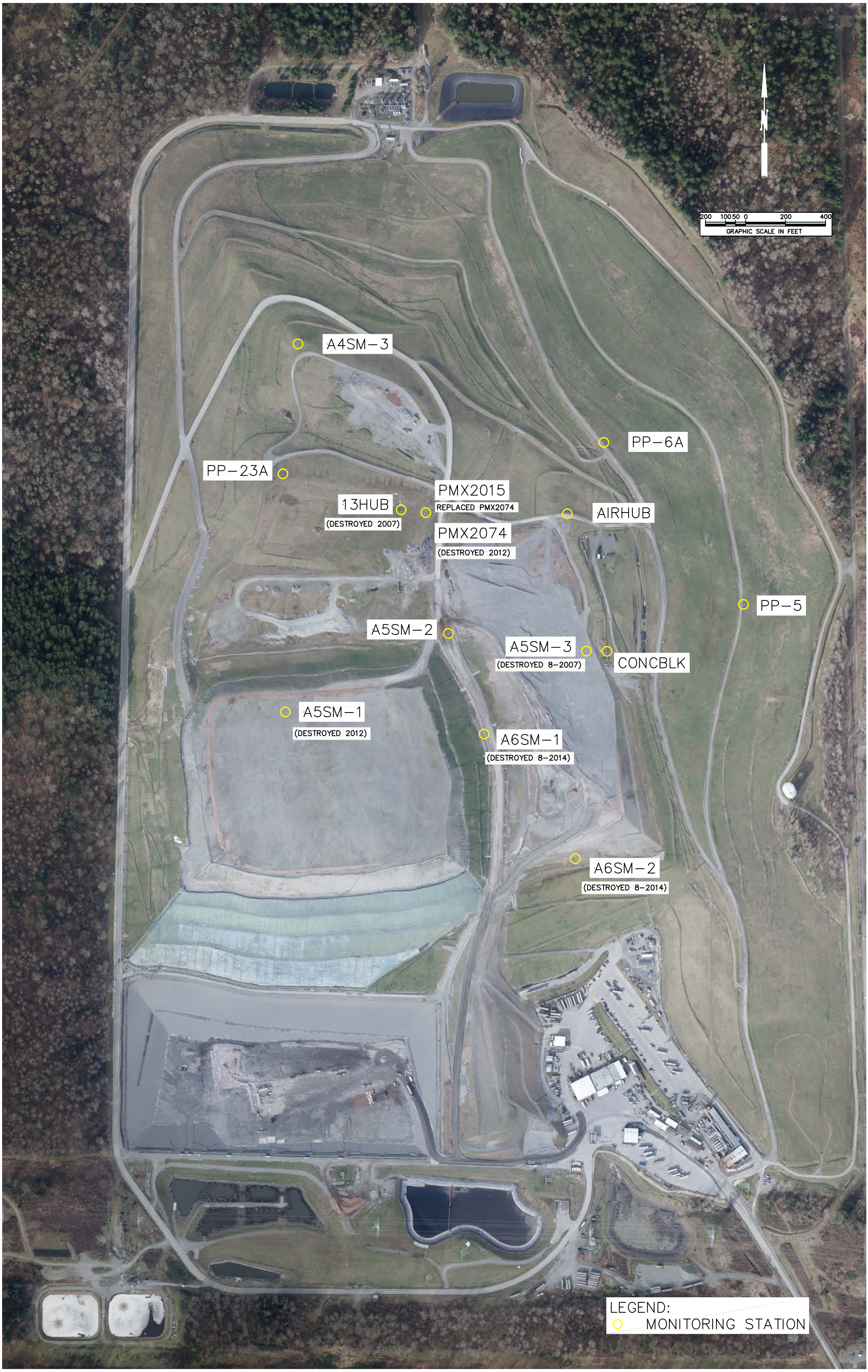
Stormwater samples for the Area 5 Top Deck were not collected at other monitoring locations due to multiple factors, including lack of sufficient precipitation during the latter half of the quarter.

The inspection reports for the fourth 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 fourth 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


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 INSPECTION REPORT

Public Health
Seattle & King County

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	**PURPOSE OF VISIT:** Other Investigation of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CEDAR HILLS SANITARY LAND** CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Saturday, October 17, 2020 **Time In:** 1:20 pm **Time Out:** 3:25 pm **Inspector:** Darshan Dhillon **Result: COMPLETE**

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

1.0 ACTIONS AND RECOMMENDATIONS:

1.1 Please ensure that Odor Boss is continuously operating at all times to mitigate odor molecules. It was not operating during the inspection and strong odors from the leachate lagoons were emanating.

1.2 Leachate pumps from the at Area 8 were not operating and planned to be turned on Sunday, October 18, 2020 at 6:00 AM after ensuring that leachate discharge pumps are operating properly and smoothly and pumping required amount of leachate into the South Treatment Plant located in Renton.

2.0 OBSERVATIONS:

2.1 I met Shane Christensen, Wastewater Operator at the Leachate Lagoons and he showed me control room and leachate flow meter which was recording 2000 gallons per minute leachate flow through the leachate discharge line to the South Treatment Plant located in Renton.

2.2 It appears that 10 to 12 inches of free board has been achieved in the LEPS due to continuous pumping leachate into the south treatment plant.

2.3 I walked around and underneath the Cedar River and did not find any signs of leachate or seepage under the bridge.

2.4 Holes in the ground by the Cedar River Bridge where leachate pipe blockage investigation and repair took place have been backfilled and covered with asphalt.

2.5 No sign of a new leachate leak was observed along the Cedar Grove road.

2.6 According to Shane the leachate pumps located in Area 8 will be started on Sunday, October 18, 2020 at 6:00 AM.

2.7 Aerators in both leachate lagoons were operating.

2.8 A small puddle of water observed on top of waste in Area 8. It appears that the water accumulation was caused by recent rain events.

2.9 Contaminated Storm Water pond had between 10 to 12 feet of free board space.

2.10 Sand filter had a small amount of water on the surface of the sand.

2.11 Truck wash was operating and outgoing semi truck trailers were going through the wash stations prior to leaving the CHRLF.

2.11 On site management offices were closed and no one was found to speak to except Waste water operator at the LEPS.

2.12 Area 5,6 and 7 leachate pumps have been started and operating properly.

NEW ENVIRONMENTAL HEALTH SERVICES OFFICE HOURS effective February 3, 2020:

- **Monday, Wednesday and Friday, 8:00 am to 3:00 pm**
- **Tuesdays and Thursdays, 10:30 am to 3:00 pm**

Darshan S. Dhillon
HEI III

11/17/20
Scott Barden
Operations Manager

PIC Phone #: 206-639-0108 **Email:** Scott. Barden@kingcounty.gov

INSPECTION CHECKLIST

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

OUT

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

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

Annual Report

- ☐ 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirment for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

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

- [ ] 0294-Complies with all other local/state/federal laws and regulations

Performance Standards for groundwater monitoring

System Design

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

Permit Requirements

- [ ] 0863-Permit Required

Plan of Operation

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

Record Keeping

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

Run-on/runoff Control Systems

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

Surface Water Requirements

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

SOLID WASTE INSPECTION REPORT

Public Health
Seattle & King County

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	**PURPOSE OF VISIT:** Return Inspection of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CEDAR HILLS SANITARY LAND** CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Wednesday, October 14, 2020 **Time In:** 11:55 am **Time Out:** 3:30 pm **Inspector:** Rory O'Rourke **Result: COMPLETE**

VIOLATIONS OBSERVED (if any)

-0752-Must control nuisance odors for wastes or liquids

Control nuisance odors for wastes or liquids. WAC 173-350-330 (4)(a)(iii)

The Odor Boss was not operating during the inspection even though there were pronounced odors originating from the leachate ponds. Karen Wilcox from the Solid Waste Division's Wastewater Unit indicated that this was because the Odor Boss was out of water. This is a repeat violation as it was previously noted on November 18, 2019.

OVERALL INSPECTION COMMENTS:

Actions and Recommendations:

1. Please direct trucks to the wash down shed until a new wheel wash is installed on the new Area 8 entry road. The previous wheel wash was closed due to road construction. However, no trucks observed during the time of the inspection went to the truck wash shed and instead proceeded to the scale house without washing off. Trucks not washing down will likely increase track out and odors.
2. Raise the net along the West Perimeter Road to capture wind-blown litter. Some litter was getting stuck in the tree branches above nets.
3. The road striping has faded away by the gas pump and vehicles are going over into the oncoming traffic lane. Please repaint the road striping to address this.

Observations:

Arrived at 11:55 to the blockage investigation site along Cedar Grove Road outside of Rino Construction.
Spoke with Laura Belt, Jim Giger, Nigel White, Rob Young, and Colleen Christensen, all of King County Solid Waste Division (SWD). Additional representatives from KCSWD, King County Wastewater, and King County Department of Local Services were also at the construction site.

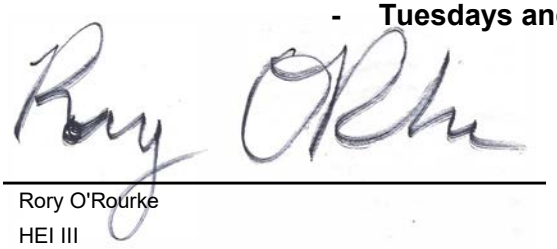
1. Contractors were excavating beneath the sewer pipe, laying down liner, and creating an opening in the top of the sewer line. This was so a camera could be placed in the pipe to investigate the location of the blockage.
2. The plug valve, which was the suspected location of the blockage, is just northeast of the Cedar Grove Road SE bridge that crosses the Cedar River.
3. Laura Belt indicated that the landfill was pumping at a limited capacity of 400 gallons/ minute from the leachate lagoons without getting back pressure. Cedar Grove could pump 120 gallons/ minute before they shut down the pumps to investigate the blockage.
4. SWD has been sending tanker loads of leachate to the South Wastewater Treatment Plant in Renton. 28 tanker loads were sent on October 13, 2020. The goal is to have 30 tanker loads a day, with 15 each shift.
5. SWD was working to bring down levels in the LEPS lagoon. The LEPS and bypass pumps are out.
6. The sewer line camera cannot make sharp turns around corners.
7. There is the potential for greater than one foot of leachate above the leachate liner.
8. Laura indicated that SWD had sampled stormwater from the top deck of Area 7 and it was less than 300 µmhos/cm identified in the Cedar Hills' SAP.
9. The contingencies identified included continuing to pump at a low rate and truck out or to pump leachate into Area 8 if needed.
10. Laura indicated that if the plug valve is the problem, then they will need to excavate and replace to protect the river.

11. The priorities were safety, river protection, and to get the pipe cleared before any rain arrived.
12. The camera stopped by the plug valve by the Cedar River bridge. It was difficult to tell based on the camera view whether there was something wrong with the pipe or debris causing the blockage. The crew would re-examine the next day after they could vactor out the liquids and remove the debris blocking the area in question.

Left the blockage investigation site at 14:25 and arrived at Cedar Hills Regional Landfill at 14:30.
13. Public Health stopped by the offices of Toraj Ghofrani and Sterling Bath to get more information, however neither were in their offices at that time.
14. Refuse odor noted by the office and the east side of the contaminated stormwater pond.
15. Leachate odor noted by the LEPS leachate lagoons. The West Lagoon aerator was on, however the Odor Boss was not running. Karen Wilcox, of SWD's Wastewater Unit, was at the leachate lagoons and indicated that the Odor Boss was not running because they were out of water.
16. The sand filter barely had any water in it. The stormwater wetland had relatively high levels of water compared to previous inspections.
17. Some water was pooling in Area 8.
18. Trucks were using the new western access road for Area 8. The eastern road was closed.

NEW ENVIRONMENTAL HEALTH SERVICES OFFICE HOURS effective February 3, 2020:

- **Monday, Wednesday and Friday, 8:00 am to 3:00 pm**
- **Tuesdays and Thursdays, 10:30 am to 3:00 pm**



Rory O'Rourke
HEI III

Scott Barden
Assistant Operations Manager

PIC Phone #: 206-263-8863 **Email:** scott.barden@kingcounty.gov

INSPECTION CHECKLIST

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

OUT

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

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

Annual Report

- [ ] 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirment for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

- [ ] 0290-Must not pose a threat to human health or environment
- [ ] 0291-Protects from ground water contamination
- [ ] 0292-The facility must conform to the approved local comprehensive solid waste management plan
- [ ] 0293-Complies with RCW 70.94 Emission or ambient air quality standards

☐ 0294-Complies with all other local/state/federal laws and regulations

Performance Standards for groundwater monitoring System Design

☐ 0850-All groundwater monitoring system must be designed and maintained per WAC 173-351-405

☐ 0851-All wells must be clearly labeled, capped and locked

Permit Requirements

☐ 0863-Permit Required

Plan of Operation

☐ 0829-Plan of operation is current, complete and a hard copy present the permit approved location

☐ 0830-Operators handle solid waste as described in plan of operation

☐ 0831-Operators conducting inspections per plan of operation

☐ 0832-Plan of operation procedures followed for fire or explosion

☐ 0833-Plan of operation procedures followed for actions to take for sudden releases of gas, leachate

☐ 0834-Maintain and operate leachate and gas collection equipment pe plan of operation

☐ 0835-Safety equipment listed in plan of operation must be on-site an working (shower, eyewash)

☐ 0836-Any additional requirements by Public Health are followed as outlined on the plan of operation

Record Keeping

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

Run-on/runoff Control Systems

☐ 0820-Prevent run-on to the active portion of the landfill during the pe discharge from 25yr storm

☐ 0821-Must provide runoff control for active portions to collect & control water vol. 24hr/25yr storm

☐ 0822-Runoff from active portion of the landfill must be handled in accordance w. WAC 173-351-200(8)

Surface Water Requirements

☐ 0823-MSWLF units must not discharge pollutants into waters of the state

☐ 0824-Must not cause the discharge of a nonpoint source pollution to waters of the state

☐ 0825-Bulk or non-containerized liquid waste may not be placed in MSWLF unit unless exceptions allow

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 10/15/2020 – 10/16/2020

Location: Cedar Hills Ambient Temperature: (º40/62F) Weather Condition: Sunny/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		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	D12/D2		A3		X		High turbidity in north siltation pond. Need to repair/replace sediment fences north of Area 6 to decreases sediment load.	
2	D10	A6	E4		X		Check dam is clogged with sediment and needs to be cleaned.	
3	D10	A6	F4/F5		X		South stormwater ditch plastic liner of Area 6 has come unaligned and is deteriorating in several locations. Needs to be replaced or removed.	
4	D11	A5	E3		X		Silt and construction fences on the west side of Area 5 are no long necessary and should be removed.	
5	D11	A6	D5		X		Silt fences north of Area 6 have failed and need to be replaced.	
6	D11	A8	G2		X		Sediment and construction fences west and south of Area 8 are no longer necessary and should be removed.	
7	C6	A8	G2		X		Rills in northwest corner of Area 8. Needs to be filled and compacted.	
8	D10	A7	G2/3/4		X		Cracking in asphalt in south stormwater ditch of Area 7. Needs to be cold patched.	
9	D11	A7	F4		X		Unnecessary and damaged silt fences southeast of Area 7. Need to be removed.	
10	D11		H5		X		Damaged silt fences southwest of south stormwater lagoon.	
11	C6	A7			X		Exposed intermediate cover. Needs to be covered by soil.	
12	C5	A7	F/G2	X			Bare west and south slopes of Area 7 needs to by hydroseeded. This was done before inspection report was complete.	

13	**C6**	**A7**	**F/G2**		X		Rills on west slope of Area 7 need to be filled and compacted when weather allows.	
14	**C11**	**A7**	**F2**		X		Plastic sheeting on the west slope of Area 7 is deteriorating and needs to be removed.	
15	**D11**	**A7**	**F2**		X		Silt fence on west slope of Area 7 is unnecessary and needs to be removed.	
16	**C13**		**A3**	X			Tree blocking road to North perimeter. The tree has been removed before this inspection report was submitted.	
17	**D11**		**G5**		X		Storm drains behind the Cedar Hills shop need to be painted with "Only Rain Down the Drain" or similar sign.	
18	**D6**		**I3**		X		Sand filter valve screen is not fitted to valve. Need to fit a screen to this valve.	
19	**D6**		**I3**		X		Sand filter needs to be filled with sand. Sand is currently being tested and will be placed if accepted.	

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. High turbidity was noticed in the north siltation (north rock-lined) pond. More BMPs are recommended north of Area 6 to reduce the turbidity of runoff originating from there. The south stormwater ditch of Area 6 has come unaligned and is starting to deteriorate. This liner should be replaced or removed. A check dam on the northwest side of Area 6 is clogged with sediment which should be cleaned. Silt and construction fences on the west side of Area 5, the west and south sides of Area 8 and the west and southeast sides of Area 7 are unnecessary and should be removed. Rills in the northwest corner of Area need to be filled and compacted. Cracking in the asphalt of the south stormwater ditch of Area 7 needs to be cold-patched. Damaged silt fences southwest of the south stormwater ditch and north of Area 6 need to be replaced or repaired. Intermediate cover of Area 7 is exposed. Bare west and south Area 7 slopes needed to be hydroseeded and were before this report was prepared. Rills on west slope of Area 7 need to be filled and compacted when weather allows. Plastic sheeting on the west slope of Area 7 has deteriorated and needs to be removed. A tree was blocking the road to the northwest perimeter of the site and was removed before this report was prepared. Storm drains behind the Cedar Hills shop need to be labeled with "Only Rain Down the Drain" or similar sign. The sand filter valve screen is not fitted to the valve a properly sized screen needs to be fit over the valve. Finally, the sand filter needs to be filled with sand which is in process pending the result of hydraulic testing. Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\10 - Oct\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: ____10/15/2020 -10/16/2020_____ 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.*

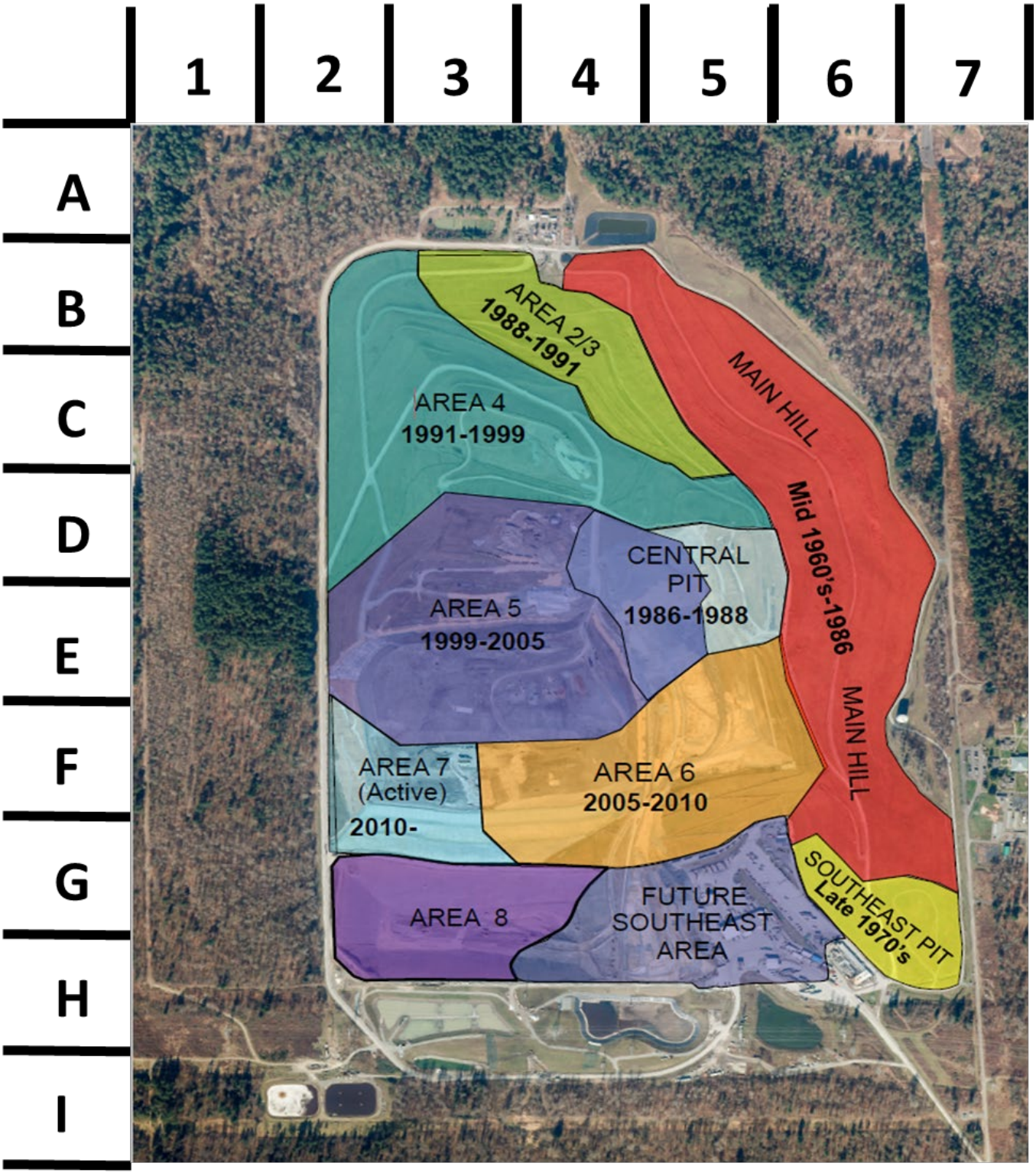
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: 11/23/2020


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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: 11/20/2020

Location: Cedar Hills Ambient Temperature: (º46F) Weather Condition: Overcast

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:	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	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	C6	A8	G2		X		Northwest corner of Area 8 has some rills on it. Fill in and continue to monitor for undermining of DLM.	
2	D10	A7	G2/3		X		Cracks in south stormwater ditch of Area 7. Cold patch and continue to monitor.	
3	D11	A8	H2		X		Construction fence southwest of Area 8 is no longer needed and can be removed.	
4	D11	A4	D3		X		Construction and silt fences on Area 4 are no longer needed and should be removed.	
5	D11	A5	D3		X		Silt fences on Area 5 are no longer needed and should be removed.	
6	C6	A6	G5		X		Rill south of Area 6 need to be filled and compacted. Continue to monitor.	
7	D11	A6	G5		X		Some oily discharge seen on south slope of Area 6. Continue to monitor and sample if it continues.	
8	C4		A6		X		North perimeter fence adjacent to Christmas tree farm needs to be repaired.	
9	C6	A7			X		Exposed cover on top of Area 7 in a couple locations. Bury cover with soil.	
10	C6	A7	F/E2		X		Rilling on west slope of Area 7. Needs to be filled in and hydroseeding when weather allows.	
11	C11	A7	F/E2		X		Plastic sheeting on west slope of Area 7. Needs to be picked up.	
12	C6	A7	F4		X		Southeast corner slopes of Area 7 are bare and has poor soil not likely to have hydroseeding germinate. Monitor and if possible, place better soil.	

13	**D11**		**G5**		X		Need "Only Rain down the Drain" signage behind Cedar Hills shop.	

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. There is a medium sized rill in the northwest corner of Area 8 which should be filled in and monitored for impacts to the DLM. Cracks have been observed in the south stormwater ditch of Area 7. This ditch should be cold patched and monitored. Construction and silt fences south of Area 8, in Area 4 and in the west side of Area 5 are no longer necessary and should be removed. Rills on south slope of Area 6 should be monitored and filled in if possible. An oily discharge was observed on the south side of Area 6 that should be monitored and sampled before remedying. A perimeter fence on the north side of the site by the Christmas tree farm needs to be repaired. The cover of Area 7 is exposed in a few locations and should be buried with soil when possible. Rills are observed on the west slope of Area 7 and should be continuously monitored and filled, compacted and hydroseeded when conditions allow. Plastic sheeting on the west slope of Area 7 needs to be picked up. Southeast corner slopes of Area 7 are bare due to poor soil that grass seed has ever grown in. Monitor and if possible, improve soil before hydroseeding. Missing "Only Rain Down the Drain" signage in long grates old signs are still there but, are unreadable.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\11 – Nov

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: 11/20/2020 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.*

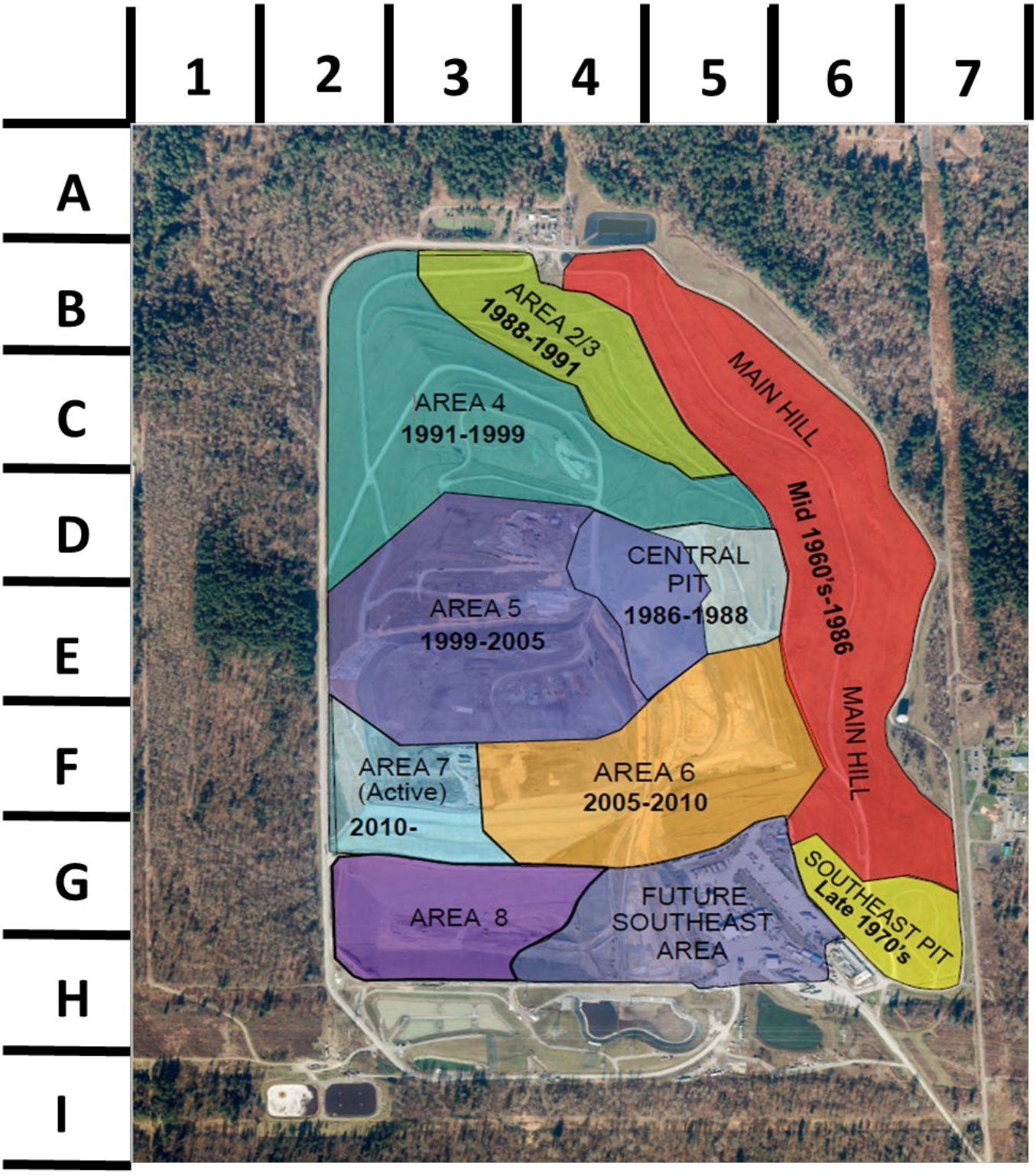
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: 12/11/2020


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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

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 12/18/2020

Location: Cedar Hills Ambient Temperature: (43 ºF) Weather Condition: Rainy

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	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:	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	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 Extractions Wells	X			**11.** Best Management Practices		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	C4		I3		X		Fence portion on south perimeter needs to be repaired.	
2	E2		A3		X		Downed tree blocking old Pump Station 1 road. Tree should be removed.	
3	D12		H6		X		Remove old silt fences above stormwater ditch south of the Southeast Pit.	
4	D10	A7	G2/3/4		X		Cracking in stormwater ditch south of Area 7. Should be cold patched and monitored.	
5	D12	A7	G4		X		Remove old unnecessary silt fences southeast of Area 7 along LFG pipe.	
6	C6	A7			X		Small holes in north portion of Area 7 intermediate cover. Should be sealed.	
7	C6	A7			X		Exposed intermediate cover of Area 7. Bury exposed cover.	
8	C6	A7			X		Rills on west slope of Area 7. Fill, compact and hydroseed when weather allows.	
9	C11	A7			X		Plastic sheeting on west slope of Area 7 has worn down and needs to be removed.	
10	D6		I2		X		Grate over sand filter valve needs to be resized to fit over valve.	
11	D11		I4		X		Silt fences and construction fences by Pump Station 4 need to be repaired.	
12	C6	A8	G2		X		Rill formed above Area 8 DLM needs to be filled and compacted and monitored.	
13	D11	A6	F5		X		Oily discharge on south slope of Area 6. Cover with hog fuel to treat discharge and continue to monitor.	
14	D13	A6	F5		X		Body of water on south slope of Area 6. Need to make modifications	

							to raise rip rap ditch or lower soil level of water body to drain water during summer.	
15	**C6**	**A6**	**F5**		X		Rills on south slope of Area 6. Need to be filled and compacted.	
16	**D12**		**G/H5**		X		Stormwater drains need “Only Rain Down the Drain” signage.	

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. A perimeter fence on the south side of the site needs to be repaired. During the inspection a downed tree was blocking part of the access road to the defunct Pump Station 1. There are old silt fences south of the southeast pit that should be removed. Cracking was observed in the stormwater ditch south of Area 7 that should be monitored and cold patched when possible. Unnecessary silt fences should be removed along the LFG pipe. Small holes were found in the north portion of the Area 7 intermediate cover should be sealed. Exposed intermediate cover on Area 7 should be buried with hog fuel. Rills on the west slope of Area 7 should be filled, compacted and hydroseeded when weather allows. Plastic sheeting on the west slope of Area 7 is deteriorating and needs to be removed. A grate by the sand filter valve needs to be modified to fit over the valve. Silt and construction fences by Pump Station 4 need to be repaired. Rills formed above the Area 8 DLM needs to be filled and compacted. An oily discharge south of Area 6 needs to be covered with hog fuel to treat it and should continue to be monitored. A body of water was observed on the south slope of Area 6, modifications will need to be made in the dry months of the year to raise the rip rap ditch or lower the soil level so that the water can drain. Rills on the south slope of Area 6 need to be filled and compacted. A few stormwater drains behind the Cedar Hills maintenance shop building need to have “Only Rain Down the Drain” signage.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\12 - Dec\Pictures

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: 12/18/2020 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.*

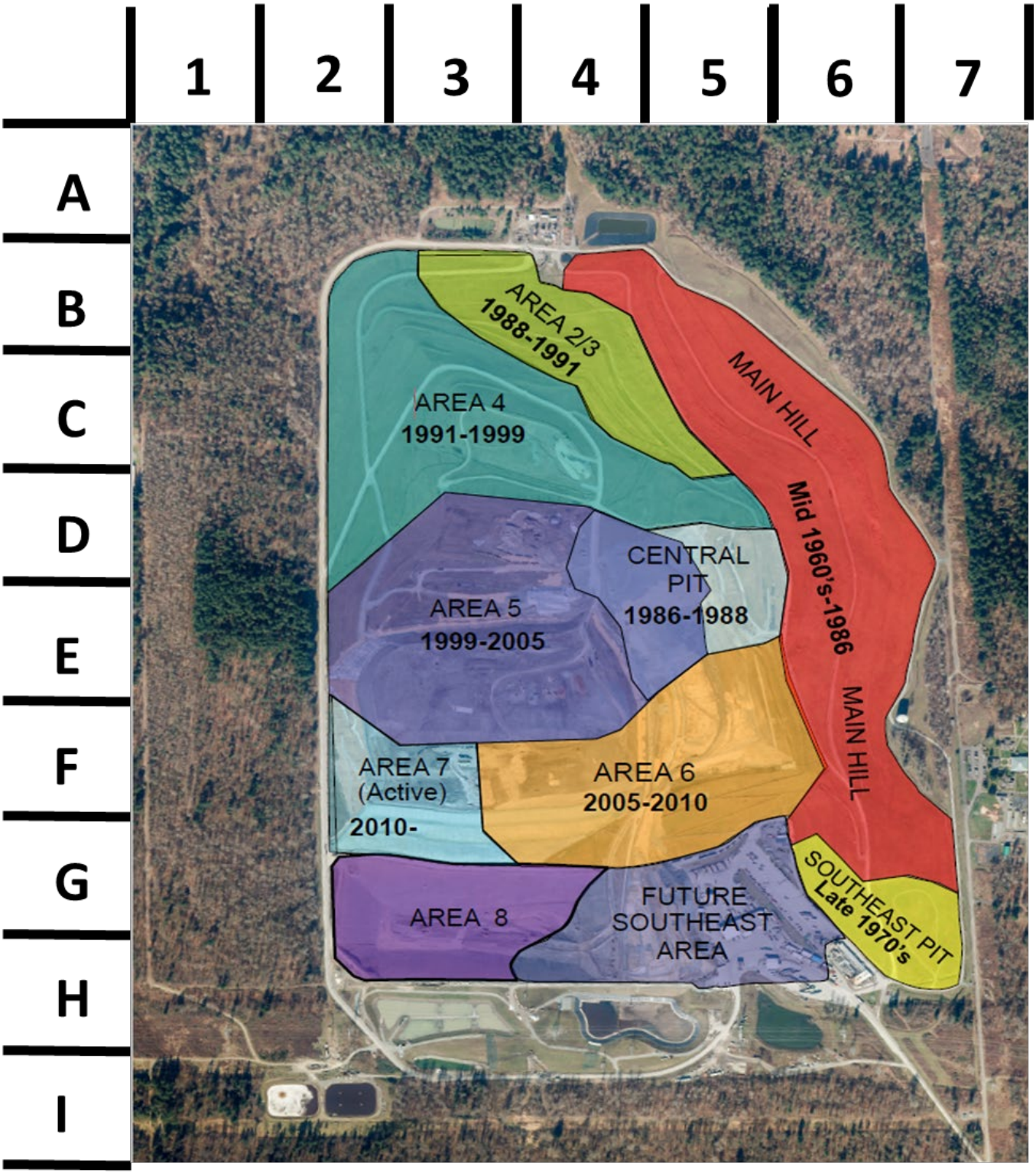
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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: 1/11/2021


1
2
3
4
5
6
7
A
B
C
D
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

Cedar Hills Area 5 Maintenance

for the period 10/01/2020 *to* 12/31/2020

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	0000023405	CLOSED	Monthy Gas System PM	10/04/2020	N
	CHAREA5	0000023405	CLOSED	Monthly Stormwater PM	10/04/2020	N
	CHAREA5	0000023405	CLOSED	Monthly Cover System PM	10/04/2020	N
	CHAREA5	0000023541	CLOSED	Monthy Gas System PM	11/16/2020	N
	CHAREA5	0000023541	CLOSED	Monthly Stormwater PM	11/16/2020	N
	CHAREA5	0000023541	CLOSED	Monthly Cover System PM	11/16/2020	N
	CHAREA5	0000023678	CLOSED	Monthy Gas System PM	12/19/2020	N
	CHAREA5	0000023678	CLOSED	Monthly Stormwater PM	12/19/2020	N
	CHAREA5	0000023678	CLOSED	Monthly Cover System PM	12/19/2020	N
	CHAREA5E	0000023362	CLOSED	Monthly Header PM	10/01/2020	N
	CHAREA5E	0000023498	CLOSED	Monthly Header PM	11/06/2020	N
	CHAREA5E	0000023634	CLOSED	Monthly Header PM	12/01/2020	N
	CHAREA5W	0000023361	CLOSED	Monthly Header PM	10/01/2020	N
	CHAREA5W	0000023497	CLOSED	Monthly Header PM	11/05/2020	N
	CHAREA5W	0000023633	CLOSED	Monthly Header PM	12/01/2020	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 10/01/2020 *to* 12/31/2020

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	0000048169	CLOSED	PMM	10/06/2020	N
	Cedar Hills	0000048515	CLOSED	PMM	11/01/2020	N
	Cedar Hills	0000048722	CLOSED	PMM	12/02/2020	N
Trash Racks						
	Cedar Hills	0000048168	CLOSED	PMW	10/06/2020	N
	Cedar Hills	0000048272	CLOSED	PMW	10/14/2020	N
	Cedar Hills	0000048375	CLOSED	PMW	10/18/2020	N
	Cedar Hills	0000048404	CLOSED	PMW	10/26/2020	N
	Cedar Hills	0000048452	CLOSED	PMW	11/01/2020	Y
	Cedar Hills	0000048553	CLOSED	PMW	11/12/2020	N
	Cedar Hills	0000048635	CLOSED	PMW	11/16/2020	N
	Cedar Hills	0000048696	CLOSED	PMW	11/23/2020	N
	Cedar Hills	0000048718	CLOSED	PMW	11/30/2020	N
	Cedar Hills	0000048815	CLOSED	PMW	12/08/2020	N
	Cedar Hills	0000048903	CLOSED	PMW	12/17/2020	N
	Cedar Hills	0000048978	CLOSED	PMW	12/20/2020	N
	Cedar Hills	0000048995	CLOSED	PMW	12/27/2020	N
Ditches						
	Cedar Hills	0000047887	CLOSED	PMQ	10/02/2020	N
	Cedar Hills	0000048168	CLOSED	PMW	10/06/2020	N
	Cedar Hills	0000048169	CLOSED	PMM	10/06/2020	N
	Cedar Hills	0000048272	CLOSED	PMW	10/14/2020	N
	Cedar Hills	0000048375	CLOSED	PMW	10/18/2020	N
	Cedar Hills	0000048404	CLOSED	PMW	10/26/2020	N
	Cedar Hills	0000048452	CLOSED	PMW	11/01/2020	Y
	Cedar Hills	0000048515	CLOSED	PMM	11/01/2020	N
	Cedar Hills	0000048553	CLOSED	PMW	11/12/2020	N
	Cedar Hills	0000048635	CLOSED	PMW	11/16/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000048696	CLOSED	PMW	11/23/2020	N
	Cedar Hills	0000048718	CLOSED	PMW	11/30/2020	N
	Cedar Hills	0000048722	CLOSED	PMM	12/02/2020	N
	Cedar Hills	0000048815	CLOSED	PMW	12/08/2020	N
	Cedar Hills	0000048903	CLOSED	PMW	12/17/2020	N
	Cedar Hills	0000048978	CLOSED	PMW	12/20/2020	N
	Cedar Hills	0000048995	CLOSED	PMW	12/27/2020	N
Pipes/Culverts						
	Cedar Hills	0000047887	CLOSED	PMQ	10/02/2020	N
Ponds/Lagoons						
	Cedar Hills	0000047887	CLOSED	PMQ	10/02/2020	N
	Cedar Hills	0000048168	CLOSED	PMW	10/06/2020	N
	Cedar Hills	0000048272	CLOSED	PMW	10/14/2020	N
	Cedar Hills	0000048375	CLOSED	PMW	10/18/2020	N
	Cedar Hills	0000048404	CLOSED	PMW	10/26/2020	N
	Cedar Hills	0000048452	CLOSED	PMW	11/01/2020	Y
	Cedar Hills	0000048553	CLOSED	PMW	11/12/2020	N
	Cedar Hills	0000048635	CLOSED	PMW	11/16/2020	N
	Cedar Hills	0000048696	CLOSED	PMW	11/23/2020	N
	Cedar Hills	0000048718	CLOSED	PMW	11/30/2020	N
	Cedar Hills	0000048815	CLOSED	PMW	12/08/2020	N
	Cedar Hills	0000048903	CLOSED	PMW	12/17/2020	N
	Cedar Hills	0000048978	CLOSED	PMW	12/20/2020	N
	Cedar Hills	0000048995	CLOSED	PMW	12/27/2020	N
General						
	Cedar Hills	0000047887	CLOSED	PMQ	10/02/2020	N
	Cedar Hills	0000048168	CLOSED	PMW	10/06/2020	N
	Cedar Hills	0000048272	CLOSED	PMW	10/14/2020	N
	Cedar Hills	0000048375	CLOSED	PMW	10/18/2020	N
	Cedar Hills	0000048404	CLOSED	PMW	10/26/2020	N
	Cedar Hills	0000048452	CLOSED	PMW	11/01/2020	Y
	Cedar Hills	0000048553	CLOSED	PMW	11/12/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000048635	CLOSED	PMW	11/16/2020	N
	Cedar Hills	0000048696	CLOSED	PMW	11/23/2020	N
	Cedar Hills	0000048718	CLOSED	PMW	11/30/2020	N
	Cedar Hills	0000048815	CLOSED	PMW	12/08/2020	N
	Cedar Hills	0000048903	CLOSED	PMW	12/17/2020	N
	Cedar Hills	0000048978	CLOSED	PMW	12/20/2020	N
	Cedar Hills	0000048995	CLOSED	PMW	12/27/2020	N
Leachate System						
	CHPS2	0000048188	CLOSED	PMW	10/05/2020	N
	CHPS2	0000048298	CLOSED	PMW	10/13/2020	N
	CHPS2	0000048370	CLOSED	PMW	10/18/2020	N
	CHPS2	0000048414	CLOSED	PMW	10/26/2020	N
	CHPS2	0000048446	CLOSED	PMW	11/01/2020	N
	CHPS2	0000048550	CLOSED	PMW	11/09/2020	N
	CHPS2	0000048605	CLOSED	PMW	11/15/2020	N
	CHPS2	0000048692	CLOSED	PMW	11/23/2020	N
	CHPS2	0000048730	CLOSED	PMW	11/30/2020	N
	CHPS2	0000048874	CLOSED	PMW	12/07/2020	N
	CHPS2	0000048910	CLOSED	PMW	12/15/2020	N
	CHPS2	0000048962	CLOSED	PMW	12/20/2020	N
	CHPS2	0000049009	CLOSED	PMW	12/27/2020	N
	CHPS3	0000048184	CLOSED	PMW	10/05/2020	N
	CHPS3	0000048296	CLOSED	PMW	10/13/2020	N
	CHPS3	0000048368	CLOSED	PMW	10/18/2020	N
	CHPS3	0000048412	CLOSED	PMW	10/26/2020	N
	CHPS3	0000048444	CLOSED	PMW	11/01/2020	N
	CHPS3	0000048548	CLOSED	PMW	11/09/2020	N
	CHPS3	0000048603	CLOSED	PMW	11/15/2020	N
	CHPS3	0000048690	CLOSED	PMW	11/23/2020	N
	CHPS3	0000048728	CLOSED	PMW	11/30/2020	N
	CHPS3	0000048872	CLOSED	PMW	12/07/2020	N
	CHPS3	0000048908	CLOSED	PMW	12/15/2020	N
	CHPS3	0000048964	CLOSED	PMW	12/20/2020	N
	CHPS3	0000049007	CLOSED	PMW	12/27/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS4	0000048181	CLOSED	PMW	10/05/2020	Y
	CHPS4	0000048295	CLOSED	PMW	10/13/2020	Y
	CHPS4	0000048367	CLOSED	PMW	10/18/2020	N
	CHPS4	0000048411	CLOSED	PMW	10/26/2020	N
	CHPS4	0000048443	CLOSED	PMW	11/01/2020	Y
	CHPS4	0000048547	CLOSED	PMW	11/09/2020	Y
	CHPS4	0000048602	CLOSED	PMW	11/15/2020	N
	CHPS4	0000048689	CLOSED	PMW	11/23/2020	N
	CHPS4	0000048727	CLOSED	PMW	11/29/2020	N
	CHPS4	0000048871	CLOSED	PMW	12/07/2020	N
	CHPS4	0000048907	CLOSED	PMW	12/15/2020	N
	CHPS4	0000048956	CLOSED	PMW	12/20/2020	N
	CHPS4	0000049006	CLOSED	PMW	12/27/2020	N
	LEPS	0000048176	CLOSED	PMW	10/07/2020	Y
	LEPS	0000048178	CLOSED	PMM	10/07/2020	Y
	LEPS	0000048292	CLOSED	PMW	10/13/2020	Y
	LEPS	0000048364	CLOSED	PMW	10/18/2020	N
	LEPS	0000048408	CLOSED	PMW	10/26/2020	N
	LEPS	0000048440	CLOSED	PMW	11/01/2020	Y
	LEPS	0000048501	CLOSED	PMM	11/01/2020	Y
	LEPS	0000048544	CLOSED	PMW	11/09/2020	N
	LEPS	0000048599	CLOSED	PMW	11/15/2020	N
	LEPS	0000048687	CLOSED	PMW	11/23/2020	N
	LEPS	0000048725	CLOSED	PMW	11/29/2020	N
	LEPS	0000048733	CLOSED	PMM	12/04/2020	Y
	LEPS	0000048867	CLOSED	PMW	12/07/2020	N
	LEPS	0000048904	CLOSED	PMW	12/15/2020	N
	LEPS	0000048958	CLOSED	PMW	12/20/2020	N
	LEPS	0000049004	CLOSED	PMW	12/27/2020	N
	Cedar Hills	0000047887	CLOSED	PMQ	10/02/2020	N
	CHPS1	0000048190	CLOSED	PMW	10/05/2020	Y
	CHPS1	0000048299	CLOSED	PMW	10/13/2020	Y
	CHPS1	0000048371	CLOSED	PMW	10/18/2020	N
	CHPS1	0000048415	CLOSED	PMW	10/26/2020	N
	CHPS1	0000048447	CLOSED	PMW	11/01/2020	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS1	0000048551	CLOSED	PMW	11/09/2020	N
	CHPS1	0000048606	CLOSED	PMW	11/15/2020	N
	CHPS1	0000048693	CLOSED	PMW	11/23/2020	N
	CHPS1	0000048731	CLOSED	PMW	11/30/2020	N
	CHPS1	0000048875	CLOSED	PMW	12/07/2020	N
	CHPS1	0000048911	CLOSED	PMW	12/15/2020	N
	CHPS1	0000048961	CLOSED	PMW	12/20/2020	N
	CHPS1	0000049010	CLOSED	PMW	12/27/2020	N
Landfill Cover						
	CHSTOCKPILE	0000023402	CLOSED	PMV	10/04/2020	N
	CHAPONDS	0000023403	CLOSED	PMV	10/04/2020	N
	CHAREA4	0000023404	CLOSED	PMV	10/04/2020	N
	CHAREA5	0000023405	CLOSED	PMV	10/04/2020	N
	CHAREA6	0000023406	CLOSED	PMV	10/04/2020	N
	CHAREAS23	0000023409	CLOSED	PMV	10/04/2020	N
	CHCENTRALPIT	0000023410	CLOSED	PMV	10/04/2020	N
	CHEMH	0000023411	CLOSED	PMV	10/04/2020	N
	CHSEPA	0000023412	CLOSED	PMV	10/04/2020	N
	CHSSWA	0000023413	CLOSED	PMV	10/04/2020	N
	CHSWMH	0000023414	CLOSED	PMV	10/04/2020	N
	CHNFLARESTN	0000023415	CLOSED	PMV	10/04/2020	N
	CHSTOCKPILE	0000023538	CLOSED	PMV	11/16/2020	N
	CHAPONDS	0000023539	CLOSED	PMV	11/16/2020	N
	CHAREA4	0000023540	CLOSED	PMV	11/16/2020	N
	CHAREA5	0000023541	CLOSED	PMV	11/16/2020	N
	CHAREA6	0000023542	CLOSED	PMV	11/16/2020	N
	CHAREAS23	0000023545	CLOSED	PMV	11/16/2020	N
	CHCENTRALPIT	0000023546	CLOSED	PMV	11/16/2020	N
	CHEMH	0000023547	CLOSED	PMV	11/16/2020	N
	CHSEPA	0000023548	CLOSED	PMV	11/16/2020	N
	CHSSWA	0000023549	CLOSED	PMV	11/16/2020	N
	CHSWMH	0000023550	CLOSED	PMV	11/16/2020	N
	CHNFLARESTN	0000023551	CLOSED	PMV	11/16/2020	N
	CHSTOCKPILE	0000023675	CLOSED	PMV	12/19/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAPONDS	0000023676	CLOSED	PMV	12/19/2020	N
	CHAREA4	0000023677	CLOSED	PMV	12/19/2020	N
	CHAREA5	0000023678	CLOSED	PMV	12/19/2020	N
	CHAREA6	0000023679	CLOSED	PMV	12/19/2020	N
	CHAREAS23	0000023682	CLOSED	PMV	12/19/2020	N
	CHCENTRALPIT	0000023683	CLOSED	PMV	12/19/2020	N
	CHEMH	0000023684	CLOSED	PMV	12/19/2020	N
	CHSEPA	0000023685	CLOSED	PMV	12/19/2020	N
	CHSSWA	0000023686	CLOSED	PMV	12/19/2020	N
	CHSWMH	0000023687	CLOSED	PMV	12/19/2020	N
	CHNFLARESTN	0000023688	CLOSED	PMV	12/19/2020	N
Landfill Gas						
	CHEMH	0000023383	CLOSED	PMW	10/08/2020	N
	CHEMH	0000023455	CLOSED	PMW	10/22/2020	N
	CHEMH	0000023519	CLOSED	PMW	11/03/2020	N
	CHEMH	0000023591	CLOSED	PMW	11/19/2020	N
	CHEMH	0000023655	CLOSED	PMW	12/03/2020	N
	CHEMH	0000023724	CLOSED	PMW	12/17/2020	N
	CHAREAS23	0000023371	CLOSED	PMW	10/15/2020	N
	CHAREAS23	0000023445	CLOSED	PMW	10/27/2020	N
	CHAREAS23	0000023507	CLOSED	PMW	11/07/2020	N
	CHAREAS23	0000023581	CLOSED	PMW	11/07/2020	N
	CHAREAS23	0000023643	CLOSED	PMW	12/09/2020	N
	CHAREAS23	0000023715	CLOSED	PMW	12/30/2020	N
	CHAREA6	0000023326	CLOSED	PMW	10/02/2020	N
	CHAREA6	0000023417	CLOSED	PMW	10/15/2020	N
	CHAREA6	0000023417	CLOSED	PMW	10/16/2020	N
	CHAREA6	0000023463	CLOSED	PMW	11/08/2020	N
	CHAREA6	0000023463	CLOSED	PMW	11/09/2020	N
	CHAREA6	0000023553	CLOSED	PMW	11/15/2020	N
	CHAREA6	0000023553	CLOSED	PMW	11/22/2020	N
	CHAREA6	0000023600	CLOSED	PMW	12/01/2020	N
	CHAREA6	0000023600	CLOSED	PMW	12/02/2020	N
	CHAREA6	0000023600	CLOSED	PMW	12/03/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA6	0000023689	CLOSED	PMW	12/17/2020	N
	CHSEPA	0000023347	CLOSED	PMW	10/06/2020	N
	CHSEPA	0000023425	CLOSED	PMW	10/20/2020	N
	CHSEPA	0000023485	CLOSED	PMW	11/05/2020	N
	CHSEPA	0000023566	CLOSED	PMW	11/17/2020	N
	CHSEPA	0000023621	CLOSED	PMW	12/08/2020	N
	CHCMH	0000023387	CLOSED	PMW	10/08/2020	N
	CHCMH	0000023387	CLOSED	PMW	10/03/2020	N
	CHCMH	0000023456	CLOSED	PMW	10/19/2020	N
	CHCMH	0000023456	CLOSED	PMW	10/30/2020	N
	CHCMH	0000023456	CLOSED	PMW	10/20/2020	N
	CHCMH	0000023523	CLOSED	PMW	11/05/2020	N
	CHCMH	0000023523	CLOSED	PMW	11/06/2020	N
	CHCMH	0000023523	CLOSED	PMW	11/07/2020	N
	CHCMH	0000023592	CLOSED	PMW	11/18/2020	N
	CHCMH	0000023592	CLOSED	PMW	11/19/2020	N
	CHCMH	0000023592	CLOSED	PMW	11/20/2020	N
	CHCMH	0000023659	CLOSED	PMW	12/06/2020	N
	CHCMH	0000023659	CLOSED	PMW	12/07/2020	N
	CHCMH	0000023659	CLOSED	PMW	12/08/2020	N
	CHCMH	0000023725	CLOSED	PMW	12/16/2020	N
	CHAREA5E	0000023359	CLOSED	PMW	10/01/2020	N
	CHAREA5E	0000023437	CLOSED	PMW	10/15/2020	N
	CHAREA5E	0000023495	CLOSED	PMW	11/04/2020	N
	CHAREA5E	0000023573	CLOSED	PMW	11/17/2020	N
	CHAREA5E	0000023631	CLOSED	PMW	12/01/2020	N
	CHAREA5E	0000023707	CLOSED	PMW	12/17/2020	N
	CHAREA5W	0000023360	CLOSED	PMW	10/01/2020	N
	CHAREA5W	0000023438	CLOSED	PMW	10/16/2020	N
	CHAREA5W	0000023496	CLOSED	PMW	11/04/2020	N
	CHAREA5W	0000023574	CLOSED	PMW	11/17/2020	N
	CHAREA5W	0000023632	CLOSED	PMW	12/01/2020	N
	CHAREA5W	0000023708	CLOSED	PMW	12/17/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Landfill Roads						
	CHPSR	0000023395	CLOSED	PMR	10/04/2020	N
	CHPSR	0000023531	CLOSED	PMR	11/16/2020	N
	CHPSR	0000023668	CLOSED	PMR	12/19/2020	N
	CHMAINGATE	0000023394	CLOSED	PMR	10/04/2020	N
	CHMAINGATE	0000023530	CLOSED	PMR	11/16/2020	N
	CHMAINGATE	0000023667	CLOSED	PMR	12/19/2020	N
	CHSTOCKPILE	0000023402	CLOSED	PMR	10/04/2020	N
	CHSTOCKPILE	0000023538	CLOSED	PMR	11/16/2020	N
	CHSTOCKPILE	0000023675	CLOSED	PMR	12/19/2020	N
	CHACTIVEAREA	0000023393	CLOSED	PMR	10/04/2020	N
	CHACTIVEAREA	0000023529	CLOSED	PMR	11/16/2020	N
	CHACTIVEAREA	0000023666	CLOSED	PMR	12/19/2020	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: 12/15/20

Cal. Time: 7:30 AM

Calibration :

Technician: B.B

Test Instrument used: T.V.A

Surveyor P.S

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 PPM

O_2 Zero Air

Barometric Pressure	Time
Start 30.06	7:30A
Stop 29.95	3:30P

90% response time in seconds:

1 3 seconds

2 4 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Clear

Wind Speed &

Direction (out of): S, 4mpH

Northing (UTM #)	Easting (10 T #)	Time	Comments
NO Exceedence		detected	

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12/16/20

Cal. Time: 7:AM

Calibration :

Technician: B.B.

Test Instrument used: T.V.A

Surveyor P.J.

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 PPM

O_2 Zero

Barometric Pressure	Time
Start 29.87	7:AM
Stop 29.76	3:30PM

90% response time in seconds:

1 3 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Rainy/cloudy

Wind Speed &

Direction (out of): 8 MPH SE

Northing (UTM #)	Easting (10 T #)	Time	Comments
No Exceedences detected			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills Landfill

Date: 12/16/20

Cal. Time: 7:AM

Technician: B.B.

Surveyor P.J.

Calibration :

Test Instrument used: T.V.A.

Cal. Gas Lot No:

Cal Gas Used:

CH_4 500 PPM

O_2 zero

Barometric Pressure	Time
Start 29.90	8:00 A
Stop 29.94	3:30P

90% response time in seconds:

1 4 seconds

2 5 seconds

3 5 seconds

avg. 5 seconds

Weather Conditions: Rainy/ cloudy

Wind Speed &

Direction (out of): 8 MPH SE

Northing (UTM #)	Easting (10 T #)	Time	Comments
No Exceedences detected			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: CEDAR HILLS

Date: 12/24/20

Cal. Time: 7:30AM

Technician: R.S.

Surveyor PJ

Calibration :

Test Instrument used: SEM5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 ZERO

Barometric Pressure	Time
Start 30.05	7:00AM
Stop ~~30.04~~ 30.01	1:00PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: CLEAR

Wind Speed &

Direction (out of): NO WIND

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

NO EXCEEDANCES

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12/29/20

Cal. Time: 600AM

Technician: J Parker

Surveyor PJ

Calibration :

Test Instrument used: Sem 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500ppm

O_2

Barometric Pressure		Time
Start	30.18	600AM
Stop	30.13	200PM

90% response time in seconds:

1 4 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Overcast

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

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills Stubouts

Date: 12/21/20

Cal. Time: 600AM

Technician: J. Parker

Surveyor PJ

Calibration :

Test Instrument used: Sem 5000

Cal. Gas Lot No: 491 2994

Cal Gas Used:

CH_4 500ppm

O_2

Barometric Pressure		Time
Start	29.88	600AM
Stop	29.53	200PM

90% response time in seconds:

1 3 seconds

2 2 seconds

3 3 seconds

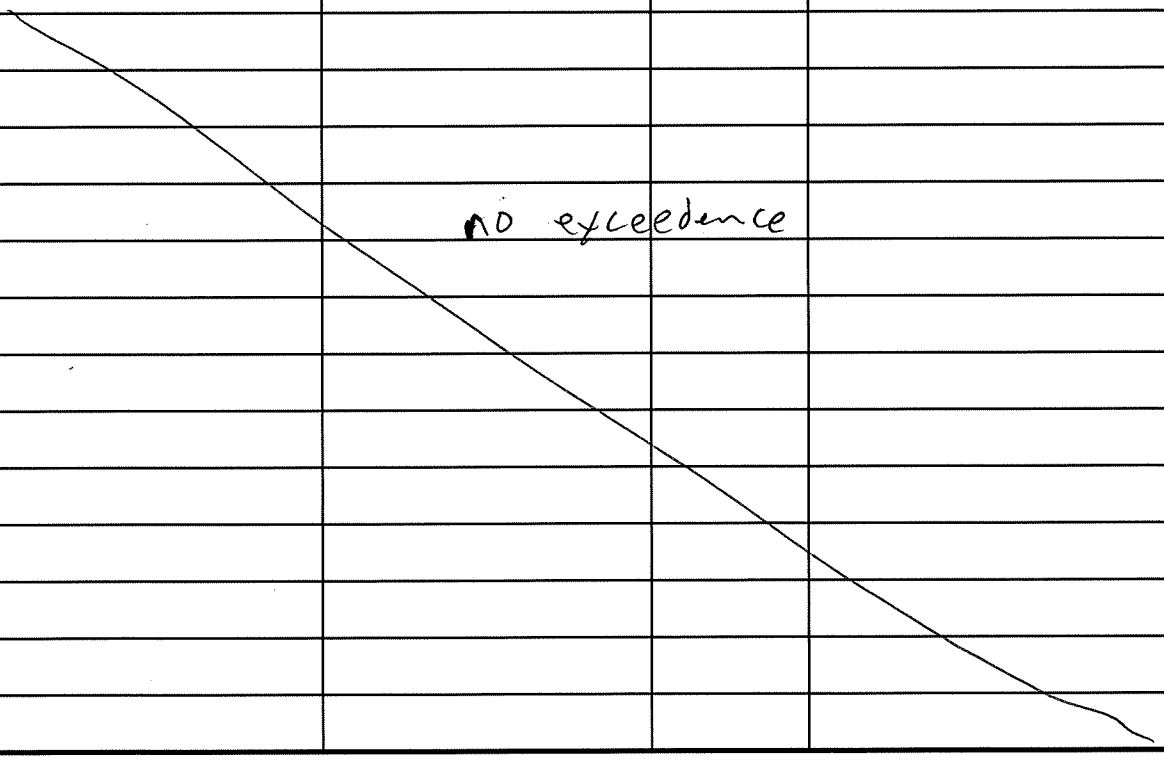
avg. 3 seconds

Weather Conditions: overcast, drizzle

Wind Speed &

Direction (out of): 4mph SW

Northing (UTM #)	Easting (10 T #)	Time	Comments
	no exceedence		



DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: CEDAR HILLS

Date: 12/25/12

Cal. Time: 9:00 AM

Technician: RS

Surveyor RJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 49 32994

Cal Gas Used:

CH_4 500 ppm

O_2 ZERO

Barometric Pressure	Time
Start 29.78	9:00AM
Stop 29.75	12:00PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: ~~4 MPH~~ CLOUDY

Wind Speed & Direction (out of): 4 MPH SE

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

NO EXCEEDANCES

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills Stubs, & serpentine

Date: 12/28/20

Cal. Time: 800 Am

Technician: J. Parker

Surveyor PJ

Calibration :

Test Instrument used: Sem 5000

Cal. Gas Lot No: 491 2494

Cal Gas Used:

CH_4 500 ppm

O_2 _____

Barometric Pressure		Time
Start	29.97	800 Am
Stop	30.00	4:00 Pm

90% response time in seconds:

1 2 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Sunny

Wind Speed &

Direction (out of): 3mph SE

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills strbours

Date: 12/28/20

Cal. Time: 600Am

Technician: J. Parker

Surveyor P.J.

Calibration :

Test Instrument used: Sem 5000

Cal. Gas Lot No: 491 2994

Cal Gas Used:

CH_4 500ppm

O_2 _____

Barometric Pressure		Time
Start	29.97	600Am
Stop	2995	400pm

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Sunny

Wind Speed &

Direction (out of): 3mph NE

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12.30.20

Cal. Time: 11:00 AM

Calibration :

Technician: BL

Test Instrument used: SEM 5000

Surveyor PJ

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm CH4

O_2

Barometric Pressure		Time
Start	29.75	11:00 AM
Stop	29.75	2:00 PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Overcast, Drizzle

Wind Speed &

Direction (out of): 7 MPH SE

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12/31/20

Cal. Time: 9:30 A

Technician: B.B.

Surveyor P.J

Calibration :

Test Instrument used: T.V.A

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 PPM

O_2 Zero Air

Barometric Pressure	Time
Start 29.87	9:30A
Stop 29.91	3:30 P

90% response time in seconds:

1 5 seconds

2 5 seconds

3 4 seconds

avg. 5 seconds

Weather Conditions: Rainy / overcast

Wind Speed & Direction (out of): 2 MPH, SW

Northing (UTM #)	Easting (10 T #)	Time	Comments
NO exceedances		detected	

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: CEDARHILLS

Date: 2/2/11

Cal. Time: 8:30 AM

Technician: RS

Surveyor PJ

Calibration :

Test Instrument used: SEM5000

Cal. Gas Lot No: 491299M

Cal Gas Used:

CH_4 500ppm CH4

O_2 Zero

Barometric Pressure	Time
Start 29.80	8:30AM
Stop 29.80	10:30AM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: RAIN

Wind Speed & Direction (out of): 6mph, SE

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

NO EXCEEDANCES

SCALE

SOIL STOCK PILE

AREA 8

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

TECHNICIAN COPY

WO#: 0000023596
Date In: 11/13/2020 07:03
Date Promised: 11/14/2020 07:03
Date Out: 00:00
WO Status: A Last WO#:0000023528
WO Priority: Last WO Date: 10/23/2020
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	12/30/2020	Quarterly Inspection
S	0 - MONTHS	01/15/2021	Scheduled Inspection
X	0 - MONTHS	11/10/2020	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	786	0.00000	
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	765 B,B	0.00000	
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	763 710	0.00000	
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	785	0.00000	

NOTES

710 BL
787 LD
785 RD

Work Order Parts List

Repair Code:
Equipment: cedar hills
Work Order: 0000023596

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

Work Order Task List

Repair Code: PMQ BS
Equipment: cedar hills
Work Order: 0000023596

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					

12-17-20 3hrs
12-21-20 - 6hrs stubouts
12-27-20 - 8hrs stubouts
12-28-20- 6 hrs serp.
12-24-20 6 hrs serp. 12/25/20- 4hr. Serp

12-15-20 8hrs serp
12-16-20 8hrs serp

12.30.20 3 hrs
12-31-20 4 hrs
1/2/21 2hrs

KCSW H2S Active Face Monitoring

Landfill Site: CEDAR HILLS

Date: 12/26/12

Technician: RS

Instrument: JEROME

Surveyor BJ

Weather Conditions: CLOUDY

Wind Speed & Direction (out of): 8 mph South

Barometric Pressure	Time
Start 29.82	8:30 AM
Stop 29.90	11:15 AM

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

NO EXCEEDANCES