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King County
Solid Waste Division
Department of Natural Resources and Parks
King Street Center
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Seattle, WA 98104-3855
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February 28, 2022

TO: Rory O'Rourke, Health & Environmental Investigator III, Environmental Health Division, Public Health – Seattle and King County (PHSKC)
DS LB

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

FM: Subrina Tahsin, Engineer II, SWD, DNRP

RE: Cedar Hills Regional Landfill Environmental Monitoring Report for the Fourth Quarter of 2021

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, 2021, through December 31st, 2021. 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 2021. 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 J. Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD), Department of Natural Resources & Parks (DNRP)
Theresa Thurlow, P.E., Engineer Manager, SWD, DNRP
Laura Belt, P.E., Engineer Supervisor, SWD, DNRP

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February 28, 2022

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 2021

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, 2021 through December 31st, 2021. The report contains groundwater monitoring results and evaluations as described in *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill* (Dec, 2013), storm water quality requirements under the Industrial Stormwater General Permit, and a compilation of other environmental data collected from the Landfill.

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

Sincerely,

DocuSigned by:
Subrina Tahsin
EF99840290E4443...

Subrina Tahsin
Engineer II

Enclosures

cc: 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)
Rory O'Rourke, Health & Environmental Investigator III, Environmental Health Division, PHSKC
Glynda J. Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD), Department of Natural Resources and Parks (DNRP)
Theresa Thurlow, P.E., Engineer Manager, SWD, DNRP
Laura Belt, P.E., Engineer Supervisor, SWD, DNRP

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CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

Fourth Quarter 2021

King County
Department of
Natural Resources and Parks
Solid Waste Division

Serving **Community** • *Protecting* **Environment** • *Operating* **Excellence**

February 2022

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 2021	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, 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)	☒	29-33, 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

DocuSigned by:
Subrina Tahsin
EF99840290E4443...
Signature of Report Author

Feb 28, 2022
Date

Cedar Hills Regional Landfill
Landfill

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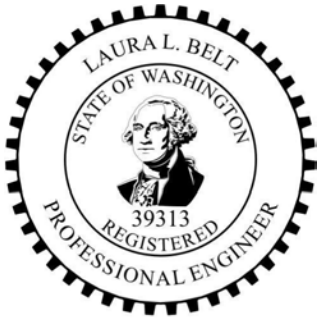
CERTIFICATION

Quarterly Report Groundwater Evaluation Report Certification

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

Name: Laura Belt, P.E.	**Title:** Supervising Engineer, Facility Engineering and Science Section	**Date:** February 28, 2022
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 08/10/2023

KING COUNTY CEDAR HILLS REGIONAL LANDFILL

SUMMARY OF QUARTERLY ENVIRONMENTAL MONITORING

FOURTH QUARTER OF 2021

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SUMMARY OF QUARTERLY ENVIRONMENTAL MONITORING

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King County Cedar Hills Regional Landfill
Summary of Quarterly Environmental Monitoring
Fourth Quarter of 2021

This summary discusses quarterly environmental monitoring results for groundwater, stormwater, and landfill gas migration monitoring for Cedar Hills Regional Landfill (CHRLF).

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

1.0 Quarterly Results and Analysis

This Section discusses the current monitoring results and how they compare to previous results from samples collected at CHRLF.

1.1 Groundwater

Groundwater monitoring well details, locations, and monitoring status are presented in Table 1 and Figure 1. Monitoring activities for the 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 cross gradient 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:

	Upgradient and Cross-gradient	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:

	Upgradient and Cross gradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68, MW-113	MW-67, 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:

	Upgradient and Cross gradient	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-64, MW-65, MW-95	MW-67, MW-89, MW-100

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

	Upgradient and Cross gradient	Downgradient
Quarterly Sampled Wells	MW-114*, MW-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 (hydro chemical facie) based on the dissolved ion distribution. The diagrams are useful to recognize spatial and temporal variability, potential analytical error, or change in hydro chemical facie. All regional samples are within the calcium-magnesium-bicarbonate hydro chemical 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.

	Upgradient and Cross gradient	Downgradient
Quarterly Sampled Wells	---	---
Semi-Annually Sampled Wells	MW-84 (total Barium), MW-93 (Total Arsenic)	MW-75 (Total Barium), MW-85 (Total Barium), MW-88 (Total Arsenic), MW-86 (Total Copper), MW-88 (Total Vanadium)

Monitoring well MW-73 passed out of the re-testing protocol for total barium, total lead, total selenium, total vanadium, total zinc and Nitrate as N.
Also, monitoring well MW-76 passed out of the retesting protocol for total copper.

All monitoring well listed above had 1-of-3 UPL exceedances except for MW-86 which had 2-of-3 UPL exceedances for Total Copper and is under the retesting protocol.

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 semi-annually monitored wells MW-24 and MW-65.

These upgradient well detections are consistent with past data and continuing migration from QCF. Some 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). Other volatile detections in upgradient and cross gradient regional wells in this quarter were in MW-21 and include acetone which is commonly found as laboratory contamination at low concentrations.

There was no volatile detection this quarter in downgradient regional wells.

1.1.2 Perched Zones

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

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

Groundwater elevations measured during the quarter in the Perched Zones are within historical ranges. Samples were collected from EPZ monitoring wells MW-30A, MW-47, MW-50, 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 2021 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 216.3 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-103 exceeded Primary Federal Ground Water Quality Criteria for arsenic. Additionally, MW-112 had an initial UPL exceedance for total manganese.

KCSWD issued an Independent Draft Remedial Investigation/Feasibility Study (RI/FS) for 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 hydro chemical 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.

No UPL exceedances occurred for Perched Zone wells in the fourth quarter of 2021.

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' in Table 10. Qualifier 'JT' indicates sample result present but unquantified. In other words, the sample result is below the reporting detection limit but greater than the method detection limit (T qualifier) and reported as "estimated" (J qualifier).

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 2021 are listed in Table 12. No effluent limitation exceedance occurred during the fourth quarter of 2021. ISGP Discharge Monitoring Reports (DMRs) are included in Appendix B.

1.2.2 CHRLF CSGP
Beginning in 2017, a Construction Stormwater General Permit (CSGP) 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 CSGP 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 CSGP in accordance with the SWPPP by the contractor. The construction contractor also inspects the required construction site Best Management Practices (BMPs) and the CSGP 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).

In Spring 2021 the CSGP permit was fully transferred to the contractor, Goodfellow Bros., and KCSWD is no longer responsible for the permit. KCSWD submitted last monthly DMR to Ecology for March 2021. The permit was transferred to Goodfellow in April 2021 and they have been preparing and submitting all DMRs since that time. However, KC SWD receives copies of their stormwater inspection and DMR reports and monitors their work to ensure compliance with the permit.

There were exceedances at monitoring station C3 and C4 during the fourth quarter of 2021 (see Table 14). The stormwater discharge occurring on October 29th and 30th 2021 contained elevated levels of turbidity, however none of the turbidity measurements exceeded 250 NTU. Therefore, standard course of action was taken. To inspect all BMPs and performed maintenance to ensure proper functioning. Copies of ISGP Discharge Monitoring Reports (DMRs) submitted to Ecology by Goodfellow can be provided upon request.

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 2021 are located in Appendix B.

No compliance probe methane detections occurred during the fourth quarter of 2021.

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 2021 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 2021 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, no methane was detected at any monitoring locations. 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 CSGP. 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 CSGP 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 hydro chemical facies. Hadrochemical 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 1-of-3 retesting plan is used for any exceedances of the intra-well UPLs at CHRLF. No retesting plan was initiated this quarter. 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.

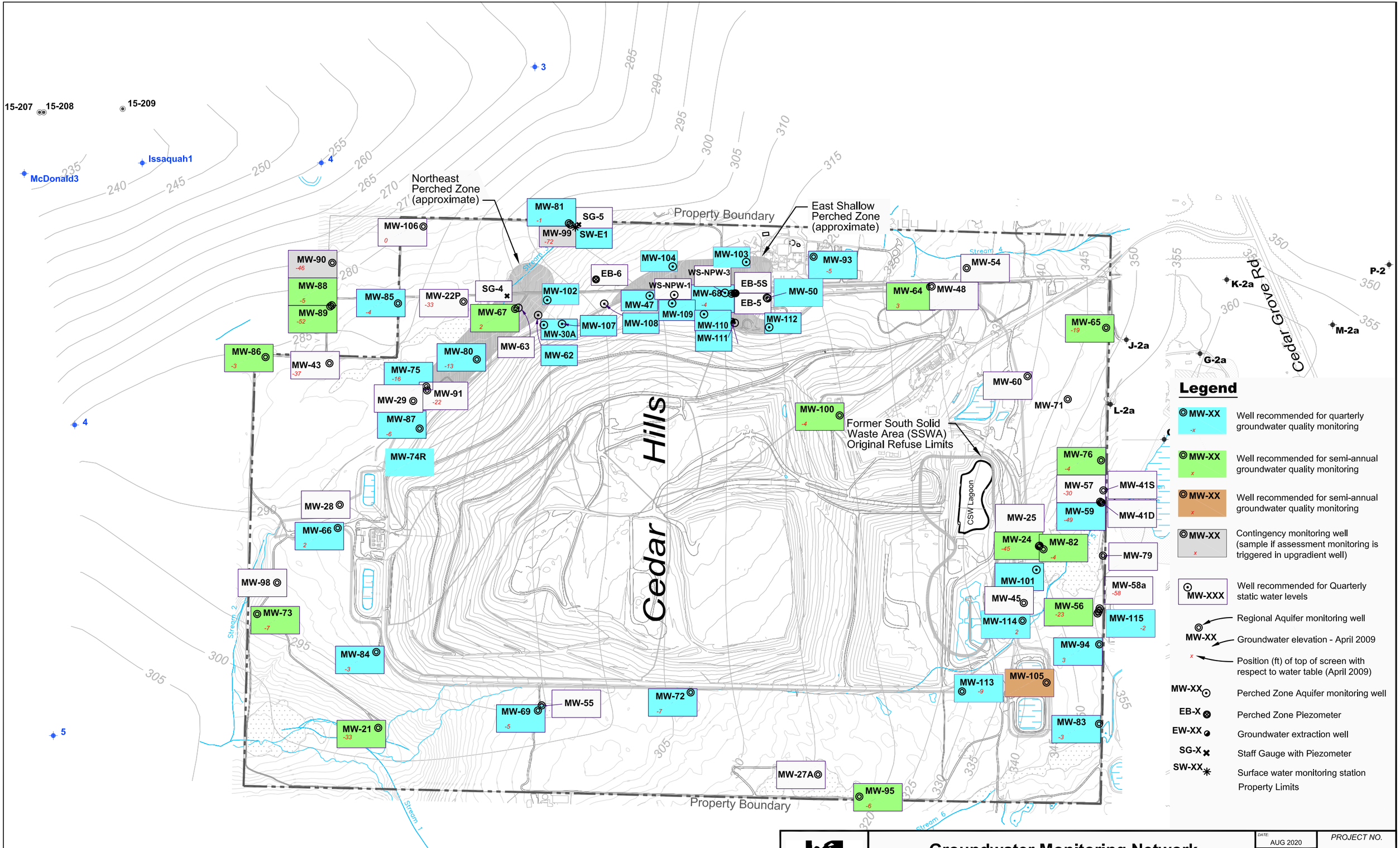
The LLOQ is a performance-based methodology that tests known standards repeatedly to create a calibration curve for a specific method. Commonly, the lowest concentration of the (linear) calibration curve is set as the LLOQ. However, in some cases the LLOQ may be greater than the baseline curve concentration 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) Hills Regional Landfill – EPZ Extraction Well Decommissioning Technical Memorandum, Phase 1 – Cedar Hills Regional Landfill, CONTRACT NO. E00286E12, Task No. 810, July 2018.
4) Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, EPA, 2009.



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\CEDARHILL\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

Property Boundary

SG-5
SW-E1
SW-S3
SW-SL3
SW-PF
PIPELINE
Stream 3
Stream 4
SG-4
Meteorological Station Location
Cedar Hills
Cedar Grove Rd
CSW Lagoon
Queen City Lake
SW-SV
SG-3
SG-7
SW-S2
Stream 2
SG-S1
SW-GS1
SG-6
SW-N4
SG-2
SW-N1
SW-W1
SG-1
Stream 1
LEPI Decommissioned
SG-9
SW-S1
SW-W2
SG-8
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

15

Cedar Hills Regional Landfill
Environmentl Monitoring Reort 4th Quarter 2021

King County

Surface Water and Storm Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

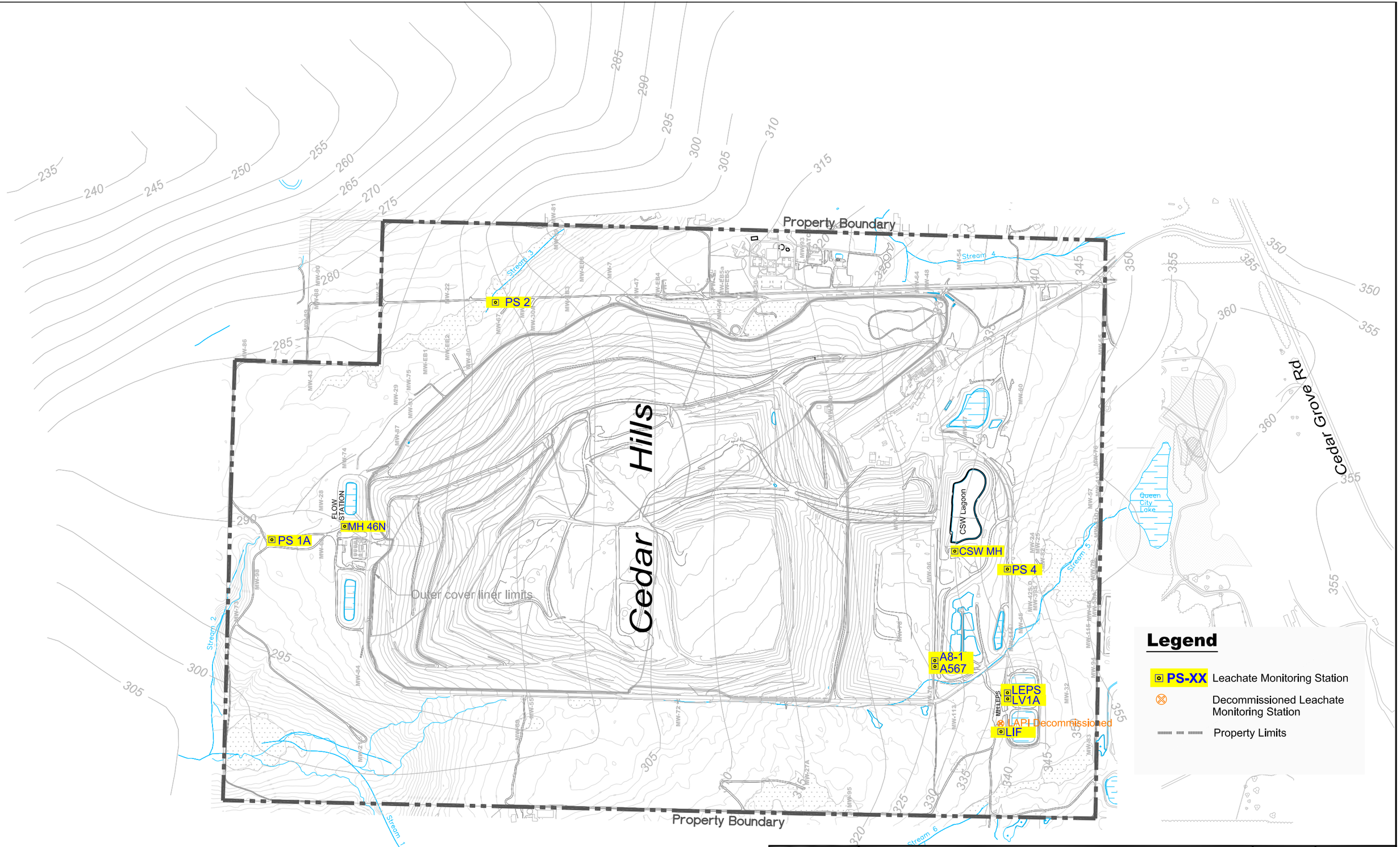
DATE: AUG 2020
DESIGNED BY:
DRAWN BY:
REVISED BY:

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:

Cedar Hills Regional Landfill
Environmentl Monitoring Reort 4th
Quarter 2021



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Leachate Monitoring Locations

Environmental Monitoring Sampling and Analysis Plan

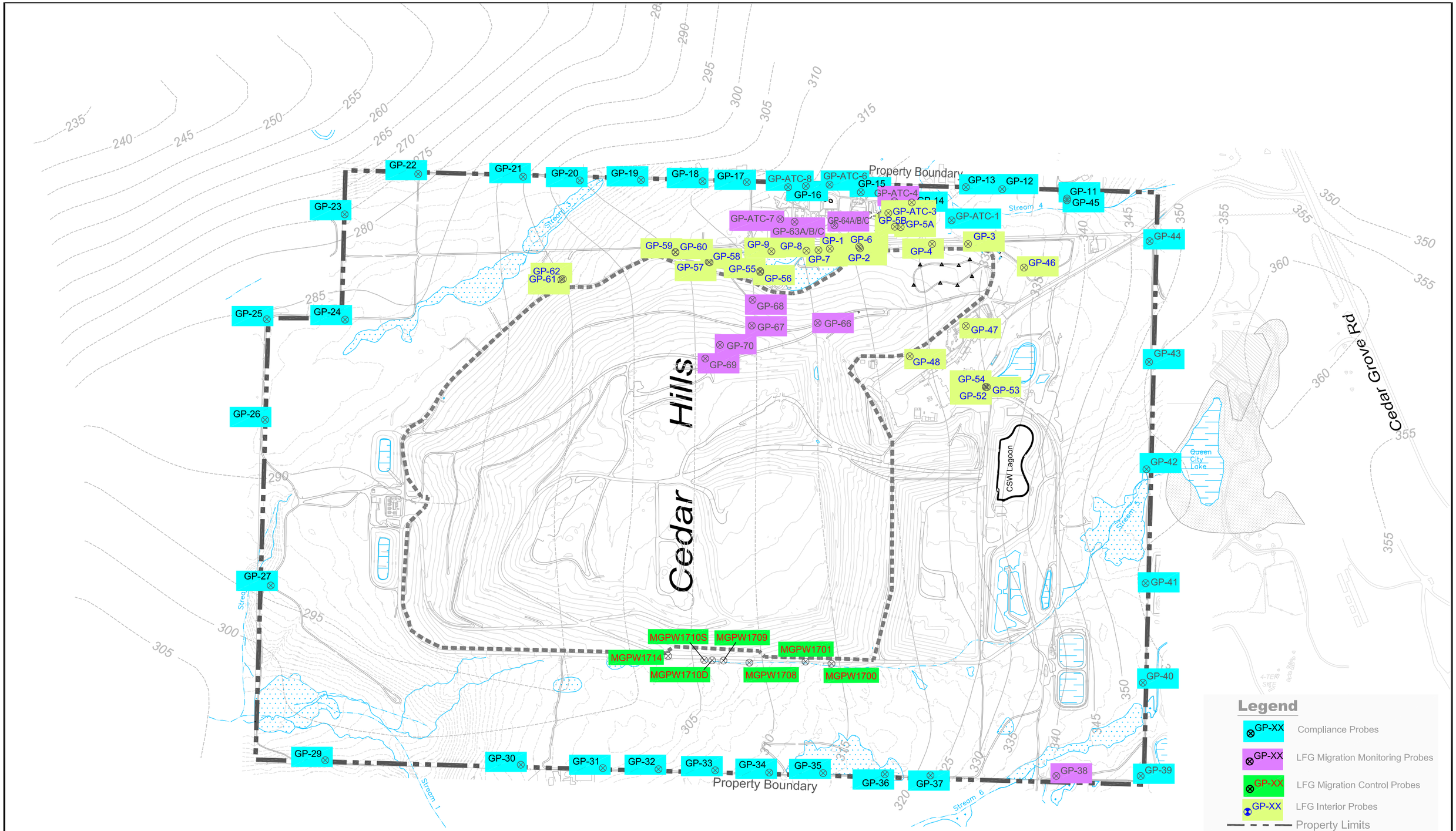
Cedar Hills Regional Landfill, King County, Washington

DATE: AUG 2020
DESIGNED BY:
DRAWN BY:
REVISED BY:

PROJECT NO.

FIGURE NO.
FIG. 3

CAD Path: S:\CAD\CEDARHILLS\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


GP-22
GP-21
GP-20
GP-19
GP-18
GP-17
GP-ATC-8
GP-ATC-6
GP-15
GP-16
GP-ATC-4
GP-14
GP-13
GP-12
GP-11
GP-45
GP-ATC-3
GP-ATC-1
GP-ATC-7
GP-64A/B/C
GP-5B
GP-5A
GP-63A/B/C
GP-3
GP-59
GP-60
GP-9
GP-8
GP-1
GP-6
GP-4
GP-58
GP-7
GP-2
GP-57
GP-55
GP-56
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GP-31
GP-30
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GP-27
GP-26
GP-25
GP-24
GP-23
MGPW1710S
MGPW1709
MGPW1701
MGPW1714
MGPW1710D
MGPW1708
MGPW1700
Property Boundary
Property Boundary
Cedar Hills
Cedar Grove Rd
CSW Lagoon
Queen City Lake
Stream 1
Stream 4
Stream 5
Stream 6
Legend
GP-XX Compliance Probes
GP-XX LFG Migration Monitoring Probes
GP-XX LFG Migration Control Probes
GP-XX LFG Interior Probes
Property Limits
N
0
800
1600
Feet
King County
Landfill Gas 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. 4

TABLE 2.1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-21 (Upgradient)	6	163	5/17/83	Deep	Detection	Background	Quarterly	Semi-annual	Monitors background conditions of deep aquifer.
MW-22P (Downgradient)	2	284	5/25/83	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities or background monitoring.
MW-24 (Upgradient)	6	192	6/2/83	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in deep upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW 43 (Downgradient)	5	325	30/4/85	Deep	Detection	WL only	Quarterly	None	
MW-54 (Upgradient)	2	351	9/26/86	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities monitoring as it lies up gradient of the CHRLF facilities. Upgradient water quality monitored in other wells.
MW-56 (Upgradient)	2	166	10/12/88	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Low groundwater velocities indicate slow movement of QCF contaminants through this area.
MW-57 (Upgradient)	2	144	8/22/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-59. Strong downward vertical gradients indicate impacts at MW-57 would also be detected at MW-59.
MW-58A (Upgradient)	2	219	9/26/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-56. Strong downward vertical gradients indicate impacts at MW-58A would also be detected at MW-56.
MW-59 (Upgradient)	2	180.5	8/16/88	Deep	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in upgradient well.
MW-60 (Upgradient)	2.5	240	9/13/91	Water Table	Detection	WL only	Quarterly	None	Upgradient flow from QCF in shallow Regional Aquifer characterized by MW-65 and MW-76. Downgradient area monitored by MW-100.
MW-64 (Upgradient)	2.5	274	3/22/93	Water Table	Detection		Quarterly	Semi-annual	Adjacent to SE Pit. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-65 (Upgradient)	2.5	234	3/29/93	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-66 (Upgradient)	2.5	248	4/5/93	Water Table	Detection		Quarterly	Quarterly	Monitor north end leachate detention facilities.
MW-67 (Downgradient)	2.5	230	4/28/93	Water Table	Detection		Quarterly	Semi-annual	Monitors potential EPZ contaminants infiltrating into Regional Aquifer.
MW-68 (Cross-Gradient/ Downgradient)	2.5	353	4/15/93	Water Table	Detection		Quarterly	Quarterly	Well is completed adjacent to unlined Main Hill where downward flow from Main Hill and impacted EPZ would be captured. Monitors Main Hill gas effected area.
MW-69 (Downgradient)	2.5	371	4/23/93	Water Table	Detection	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 only general indication of background conditions.
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to elevated chloride.
MW-75 (Downgradient)	4	269	9/24/99	Deep	Detection		Quarterly	Quarterly	Key downgradient monitoring well.

TABLE 2.1
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-76 (Upgradient)	4	148	10/25/99	Water Table	Detection	Background	Quarterly	Semi-annual	Monitor QCF impacts effecting upgradient water quality in shallow portion of Regional Aquifer. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for
MW-80 (Downgradient)	4	259	2/27/01	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well for monitoring impacts from unlined Main Hill and EPZ.
MW-81 (Upgradient)	4	192	10/3/02	Water Table	Detection		Quarterly	Quarterly	Monitors GW quality from off-site area east of facility. Retain as monitoring point for potential LFG impacts to GW. Key well for defining potentiometric divide on east side.
MW-82 (Upgradient)	4	133	11/2/00	Water Table	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in shallow Regional upgradient well. Low groundwater velocities indicate slow movement of QCF contaminants through this area.
MW-83 (Upgradient)	4	154	10/27/00	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-84 (Upgradient)	4	246	10/20/00	Water Table	Detection	Background	Quarterly	Quarterly	Monitor background conditions in shallow regional aquifer
MW-85 (Downgradient)	4	257	12/1/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well with large detection zone underlying waste placement areas. Located in area of convergent GW flow and near center of high transmissivity channel.
MW-86 (Downgradient)	4	259	12/12/00	Water Table	Detection		Quarterly	Semi-annual	Provides monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
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

TABLE 2.1
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
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	
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

ection Zone EPZ = East Perched Zone

olid Waste Area QCF = Queen City Farms

TABLE 2

CEDAR HILLS REGIONAL LANDFILL:

GROUNDWATER MONITORING ACTIVITIES 4TH QUARTER 2021

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	10/4/21	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	10/4/21	Groundwater Elevation Measurement	--	South half of landfill.
MW-21	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-21	Regional	10/5/21	Groundwater Elevation Measurement	NA	
MW-21	Regional	10/5/21	Groundwater Sampling Event	W21-211005-	
MW-22	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-24	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-24	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-24	Regional	10/12/21	Groundwater Sampling Event	W24-211012-	
MW-25	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-27A	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-28	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-29	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-30A	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-30A	Perched	10/18/21	Groundwater Elevation Measurement	NA	
MW-30A	Perched	10/18/21	Groundwater Sampling Event	W30A211018-	
MW-41D	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-41S	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-43	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-45	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-47	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-47	Perched	10/18/21	Groundwater Elevation Measurement	NA	
MW-47	Perched	10/18/21	Groundwater Sampling Event	W47-211018-	
MW-48	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-50	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-50	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-50	Perched	10/19/21	Groundwater Sampling Event	W50-211019-	NST
MW-54	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-55	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-56	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-56	Regional	10/5/21	Groundwater Elevation Measurement	NA	
MW-56	Regional	10/5/21	Groundwater Sampling Event	W56-211005-	
MW-57	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-58A	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-59	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-59	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-59	Regional	10/13/21	Groundwater Sampling Event	W59-211013-	
MW-60	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-62	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-62	Perched	10/18/21	Groundwater Elevation Measurement	NA	
MW-62	Perched	10/18/21	Groundwater Sampling Event	W62-211018-	NST-Dry
MW-63	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-64	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-64	Regional	10/11/21	Groundwater Elevation Measurement	NA	
MW-64	Regional	10/11/21	Groundwater Sampling Event	W64-211011-	
MW-65	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-65	Regional	10/14/21	Groundwater Elevation Measurement	NA	
MW-65	Regional	10/14/21	Groundwater Sampling Event	W65-211014-	
MW-66	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-66	Regional	10/11/21	Groundwater Elevation Measurement	NA	
MW-66	Regional	10/11/21	Groundwater Sampling Event	W66-211011-	
MW-67	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-67	Regional	10/22/21	Groundwater Elevation Measurement	NA	
MW-67	Regional	10/22/21	Groundwater Sampling Event	W67-211022-	
MW-68	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-68	Regional	10/19/21	Groundwater Elevation Measurement	NA	
MW-68	Regional	10/19/21	Groundwater Sampling Event	W68-211019-	
MW-69	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-72	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-72	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-72	Regional	10/12/21	Groundwater Sampling Event	W72-211012-	
MW-73	Regional	10/4/21	Groundwater Elevation Measurement	NA	

TABLE 2

CEDAR HILLS REGIONAL LANDFILL:

GROUNDWATER MONITORING ACTIVITIES 4TH QUARTER 2021

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-73	Regional	10/11/21	Groundwater Elevation Measurement	NA	
MW-73	Regional	10/11/21	Groundwater Sampling Event	W73-211011-	
MW-74R	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-74R	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-74R	Regional	10/12/21	Groundwater Sampling Event	W74R211012-	
MW-75	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-75	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-75	Regional	10/12/21	Groundwater Sampling Event	W75-211012-	
MW-76	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-76	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-76	Regional	10/13/21	Groundwater Sampling Event	W76-211013-	
MW-79	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-80	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-80	Regional	10/20/21	Groundwater Elevation Measurement	NA	
MW-80	Regional	10/20/21	Groundwater Sampling Event	W80-211020-	
MW-80	Regional	10/20/21	Groundwater Sampling Event	W80-211020D	
MW-81	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-81	Regional	10/6/21	Groundwater Elevation Measurement	NA	
MW-81	Regional	10/6/21	Groundwater Sampling Event	W81-211006-	
MW-82	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-82	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-82	Regional	10/12/21	Groundwater Sampling Event	W82-211012-	
MW-83	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-83	Regional	10/14/21	Groundwater Elevation Measurement	NA	
MW-83	Regional	10/14/21	Groundwater Sampling Event	W83-211014-	
MW-84	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-84	Regional	10/6/21	Groundwater Elevation Measurement	NA	
MW-84	Regional	10/6/21	Groundwater Sampling Event	W84-211006-	
MW-85	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-85	Regional	10/6/21	Groundwater Elevation Measurement	NA	
MW-85	Regional	10/6/21	Groundwater Sampling Event	W85-211006-	
MW-85	Regional	10/6/21	Groundwater Sampling Event	W85-211006D	
MW-86	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-86	Regional	10/6/21	Groundwater Elevation Measurement	NA	
MW-86	Regional	10/6/21	Groundwater Sampling Event	W86-211006-	
MW-87	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-87	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-87	Regional	10/13/21	Groundwater Sampling Event	W87-211013-	
MW-88	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-88	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-88	Regional	10/13/21	Groundwater Sampling Event	W88-211013-	
MW-89	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-89	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-89	Regional	10/13/21	Groundwater Sampling Event	W89-211013-	
MW-90	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-91	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-93	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-93	Regional	10/11/21	Groundwater Elevation Measurement	NA	
MW-93	Regional	10/11/21	Groundwater Sampling Event	W93-211011-	
MW-94	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-94	Regional	10/14/21	Groundwater Elevation Measurement	NA	
MW-94	Regional	10/14/21	Groundwater Sampling Event	W94-211014-	
MW-95	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-95	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-95	Regional	10/12/21	Groundwater Sampling Event	W95-211012-	
MW-98	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-99	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-100	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-100	Regional	10/14/21	Groundwater Elevation Measurement	NA	
MW-100	Regional	10/14/21	Groundwater Sampling Event	W100211014-	
MW-101	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-101	Perched	10/18/21	Groundwater Elevation Measurement	NA	
MW-101	Perched	10/18/21	Groundwater Sampling Event	W101211018-	
MW-102	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-102	Perched	10/20/21	Groundwater Elevation Measurement	NA	

TABLE 2

CEDAR HILLS REGIONAL LANDFILL:

GROUNDWATER MONITORING ACTIVITIES 4TH QUARTER 2021

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-103	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-103	Perched	10/20/21	Groundwater Elevation Measurement	NA	
MW-103	Perched	10/20/21	Groundwater Sampling Event	W103211020-	
MW-104	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-104	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-104	Perched	10/19/21	Groundwater Sampling Event	W104211019-	NST-Dry
MW-105	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-105	Perched	10/14/21	Groundwater Elevation Measurement	NA	
MW-105	Perched	10/14/21	Groundwater Sampling Event	W105211014-	
MW-106	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-107	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-107	Perched	10/20/21	Groundwater Elevation Measurement	NA	
MW-107	Perched	10/20/21	Groundwater Sampling Event	W107211020-	
MW-108	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-108	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-108	Perched	10/19/21	Groundwater Sampling Event	W108211019-	
MW-109	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-109	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-109	Perched	10/19/21	Groundwater Sampling Event	W109211019-	NST-Dry
MW-110	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-110	Perched	10/21/21	Groundwater Elevation Measurement	NA	
MW-110	Perched	10/21/21	Groundwater Sampling Event	W110211021-	
MW-111	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-111	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-111	Perched	10/19/21	Groundwater Sampling Event	W111211019-	NST-Dry
MW-112	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-112	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-112	Perched	10/19/21	Groundwater Sampling Event	W112211019-	NST-Dry
MW-113	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-113	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-113	Regional	10/13/21	Groundwater Sampling Event	W113211013-	
MW-114	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-114	Regional	10/12/21	Groundwater Elevation Measurement	NA	
MW-114	Regional	10/12/21	Groundwater Sampling Event	W114211012-	
MW-115	Regional	10/4/21	Groundwater Elevation Measurement	NA	
MW-115	Regional	10/13/21	Groundwater Elevation Measurement	NA	
MW-115	Regional	10/13/21	Groundwater Sampling Event	W115211013-	
MW-EB5	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	10/4/21	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	10/19/21	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	10/19/21	Groundwater Sampling Event	WEB6211019-	
MW-VTRP	N/A	10/5/21	Groundwater VTRP	VTRP211005X	
MW-VTRP	N/A	10/5/21	Groundwater VTRP	VTRP211006X	
MW-VTRP	N/A	10/6/21	Groundwater VTRP	VTRP211011Y	
MW-VTRP	N/A	10/8/21	Groundwater VTRP	VTRP211011Z	
MW-VTRP	N/A	10/11/21	Groundwater VTRP	VTRP211012X	
MW-VTRP	N/A	10/11/21	Groundwater VTRP	VTRP211012Y	
MW-VTRP	N/A	10/11/21	Groundwater VTRP	VTRP211012Z	
MW-VTRP	N/A	10/12/21	Groundwater VTRP	VTRP211013X	
MW-VTRP	N/A	10/12/21	Groundwater VTRP	VTRP211013Y	
MW-VTRP	N/A	10/12/21	Groundwater VTRP	VTRP211014X	
MW-VTRP	N/A	10/13/21	Groundwater VTRP	VTRP211014Z	
MW-VTRP	N/A	10/14/21	Groundwater VTRP	VTRP211018X	
MW-VTRP	N/A	10/14/21	Groundwater VTRP	VTRP211018Y	
MW-VTRP	N/A	10/14/21	Groundwater VTRP	VTRP211018Z	
MW-VTRP	N/A	10/18/21	Groundwater VTRP	VTRP211019Z	
MW-VTRP	N/A	10/18/21	Groundwater VTRP	VTRP211020Y	
MW-VTRP	N/A	10/19/21	Groundwater VTRP	VTRP211020Z	
MW-VTRP	N/A	10/18/21	Groundwater VTRP	VTRP211021X	
MW-VTRP	N/A	10/21/21	Groundwater VTRP	VTRP211022Z	
WS-NPW-1	Regional	10/4/21	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	10/4/21	Groundwater Elevation Measurement	NA	
Field Blank	Regional	10/12/21	Groundwater Elevation Measurement	W82-211012F	
Field Blank	Perched	10/20/21	Groundwater Elevation Measurement	W107211020F	
Field Blank	Regional	10/5/21	Groundwater Elevation Measurement	W21-211005F	

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD 4th QTR EXCEEDANCES
(Data Collected from October 01, 2021 to December 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
pH (Field)	pH Units	MW-76	10/13/2021	W76-211013-	6.19
		MW-83	10/14/2021	W83-211014-	6.49
Arsenic, Total	mg/L	MW-113	10/13/2021	W113211013-	0.000556
		MW-114	10/12/2021	W114211012-	0.000284
		MW-115	10/13/2021	W115211013-	0.000237
		MW-21	10/5/2021	W21-211005-	0.001120
		MW-24	10/12/2021	W24-211012-	0.000558
		MW-56	10/5/2021	W56-211005-	0.000079
		MW-59	10/13/2021	W59-211013-	0.000468
		MW-64	10/11/2021	W64-211011-	0.001740
		MW-65	10/14/2021	W65-211014-	0.000720
		MW-66	10/11/2021	W66-211011-	0.000718
		MW-68	10/19/2021	W68-211019-	0.048600
		MW-73	10/11/2021	W73-211011-	0.000786
		MW-76	10/13/2021	W76-211013-	0.000228
		MW-81	10/6/2021	W81-211006-	0.000574
		MW-82	10/12/2021	W82-211012-	0.000280
		MW-83	10/14/2021	W83-211014-	0.000395
		MW-84	10/6/2021	W84-211006-	0.000348
		MW-93	10/11/2021	W93-211011-	0.001520
		MW-94	10/14/2021	W94-211014-	0.000143
		MW-95	10/12/2021	W95-211012-	0.001050
Iron, Dissolved	mg/L	MW-113	10/13/2021	W113211013-	1.46
		MW-21	10/5/2021	W21-211005-	2.44
		MW-24	10/12/2021	W24-211012-	3.57
		MW-59	10/13/2021	W59-211013-	5.18
		MW-65	10/14/2021	W65-211014-	3.19
		MW-68	10/19/2021	W68-211019-	0.47
Manganese, Dissolved	mg/L	MW-113	10/13/2021	W113211013-	0.463
		MW-21	10/5/2021	W21-211005-	0.094
		MW-24	10/12/2021	W24-211012-	0.114
		MW-56	10/5/2021	W56-211005-	0.210
		MW-59	10/13/2021	W59-211013-	0.142
		MW-64	10/11/2021	W64-211011-	0.132
		MW-65	10/14/2021	W65-211014-	0.146
		MW-68	10/19/2021	W68-211019-	0.277
		MW-93	10/11/2021	W93-211011-	0.140
		MW-95	10/12/2021	W95-211012-	0.174
Trichloroethene	µg/L	MW-76	10/13/2021	W76-211013-	7.26
		MW-82	10/12/2021	W82-211012-	4.10
		MW-114	10/12/2021	W114211012-	9.75
		MW-115	10/13/2021	W115211013-	4.65

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD 4th QTR EXCEEDANCES
(Data Collected from October 01, 2021 to December 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Downgradient Wells					
Arsenic, Total	mg/L	MW-100	10/14/2021	W100211014-	0.00147
		MW-67	10/22/2021	W67-211022-	0.00501
		MW-72	10/12/2021	W72-211012-	0.00012
		MW-74R	10/12/2021	W74R211012-	0.00042
		MW-75	10/12/2021	W75-211012-	0.00046
		MW-80	10/20/2021	W80-211020-	0.00320
		MW-85	10/6/2021	W85-211006-	0.00076
		MW-86	10/6/2021	W86-211006-	0.00087
		MW-87	10/13/2021	W87-211013-	0.00327
		MW-88	10/13/2021	W88-211013-	0.00112
		MW-89	10/13/2021	W89-211013-	0.00171
Iron, Dissolved	mg/L	MW-100	10/14/2021	W100211014-	0.65
		MW-67	10/22/2021	W67-211022-	0.46
		MW-72	10/12/2021	W72-211012-	2.66
		MW-75	10/12/2021	W75-211012-	2.70
		MW-80	10/20/2021	W80-211020-	2.17
		MW-86	10/6/2021	W86-211006-	0.89
		MW-87	10/13/2021	W87-211013-	4.81
		MW-89	10/13/2021	W89-211013-	1.36
Manganese, Dissolved	mg/L	MW-100	10/14/2021	W100211014-	0.115
		MW-67	10/22/2021	W67-211022-	0.258
		MW-72	10/12/2021	W72-211012-	0.353
		MW-75	10/12/2021	W75-211012-	0.251
		MW-80	10/20/2021	W80-211020-	0.346
		MW-87	10/13/2021	W87-211013-	0.499
		MW-89	10/13/2021	W89-211013-	0.349

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 01, 2021 to December 31, 2021)

			Upgradient and Crossgradient															
Site ID			**MW-21**			**MW-24**			**MW-56**			**MW-59**			**MW-64**			**MW-65**		
			10/5/2021			10/12/2021			10/5/2021			10/13/2021			10/11/2021			10/14/2021		
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			7.5			7.2			6.6			6.7			6.8			6.7		
Conductance			138			172			246			223			174			121		
TDSobs			87			109			154			145			123			89		
Calcium	40.1	2	12.8	0.638723	40.2	15.0	0.748503	38.4	26.0	1.297405	46.8	20.5	1.022954	38.9	18.9	0.943114	39.7	12.2	0.608782	38.1
Magnesium	24.3	2	7.0	0.573545	36.1	9.7	0.794075	40.7	13.8	1.135569	40.9	13.1	1.077967	41.0	12.9	1.06151	44.7	7.4	0.609751	38.1
Potassium	39.1	1	1.1	0.027878	1.8	1.0	0.024528	1.3	1.3	0.034273	1.2	1.3	0.03325	1.3	1.6	0.039644	1.7	1.0	0.024553	1.5
Sodium	23.0	1	5.8	0.254026	16.0	5.7	0.247066	12.7	6.8	0.297524	10.7	6.9	0.301438	11.5	7.4	0.320577	13.5	5.4	0.236192	14.8
Iron	55.8	2	2.44	0.087382	5.5	3.57	0.127849	6.6	0.03	0.00116	0.0	5.18	0.185507	7.1	0.06	0.002238	0.1	3.19	0.114241	7.1
Manganese	54.9	2	0.09	0.003429	0.2	0.11	0.00415	0.2	0.21	0.007645	0.3	0.14	0.005169	0.2	0.13	0.004805	0.2	0.15	0.005315	0.3
Ammonia-N	14.0	1	0.04	0.002677	0.2	0.04	0.002763	0.1	0.00	0.000193	0.0	0.01	0.000471	0.0	0.03	0.00227	0.1	0.01	0.0004	0.0
Total Cations (meq/L)				**1.6**			**1.9**			**2.8**			**2.6**			**2.4**			**1.6**	
Anions																				
Alkalinity, Total			62			68			88			82			95			52		
Carbonate	60.0	2	0.10446	0.003482	0.2	0.06816	0.002272	0.1	0.0221	0.000737	0.0	0.0225	0.00075	0.0	0.03521	0.001174	0.1	0.01653	0.000551	0.0
Bicarbonate	61.0	1	75.18	1.232332	85.9	83.31	1.365522	76.5	107.56	1.762997	66.9	99.87	1.637003	69.2	115.83	1.89854	86.2	63.89	1.047291	74.1
Chloride	35.5	1	2.3	0.065439	4.6	6.5	0.182213	10.2	23.9	0.674132	25.6	13.3	0.375145	15.9	2.9	0.081234	3.7	6.5	0.181931	12.9
Nitrate-N	14.0	1	0.01	0.000714	0.0	0.01	0.000714	0.0	0.03	0.002285	0.1	0.01	0.000714	0.0	0.01	0.000714	0.0	0.01	0.000714	0.1
Sulfate	96.1	2	6.4	0.133253	9.3	11.3	0.235276	13.2	9.3	0.193842	7.4	16.9	0.351872	14.9	10.6	0.220701	10.0	8.8	0.183015	12.9
Total Anions (meq/L)				**1.4**			**1.8**			**2.6**			**2.4**			**2.2**			**1.4**	
Total Ions (meq/L)				**3.0**			**3.7**			**5.4**			**5.0**			**4.6**			**3.0**	
Cation/Anion Ratio				**1.11**			**1.09**			**1.05**			**1.11**			**1.08**			**1.13**	
Percent Difference				**5.0**			**4.4**			**2.6**			**5.2**			**3.8**			**6.2**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				1.49			1.81			2.76			2.44			2.36			1.48	
Calcium					42.75			41.26			46.93			42.00			39.88			41.15
Magnesium					38.39			43.77			41.07			44.26			44.89			41.22
Sodium + Potassium					18.87			14.97			12.00			13.74			15.23			17.63
														100.0						
sum (SO_4, Cl, HCO_3+CO_3)				1.43			1.79			2.63			2.36			2.20			1.41	
Sulfate					9.289			13.179			7.366			14.880			10.024			12.954
Chloride					4.562			10.206			25.616			15.864			3.690			12.877
Bicarbonate + Carbonate					86.149			76.615			67.019			69.256			86.286			74.168
														100.0						

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 01, 2021 to December 31, 2021)

			Upgradient and Crossgradient																			
Site ID			**MW-66**			**MW-73**			**MW-76**			**MW-81**			**MW-82**			**MW-83**			**MW-84**		
			10/11/2021			10/11/2021			10/13/2021			10/6/2021			10/12/2021			10/14/2021			10/6/2021		
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			6.9			6.7			6.2			7.2			6.8			6.5			7.0		
Conductance			192			127			265			156			283			556			192		
TDSobs			123			94			167			111			189			401			123		
Calcium	40.1	2	16.7	0.833333	37.7	12.4	0.61876	44.5	27.1	1.352295	45.5	14.8	0.738523	42.7	29.6	1.477046	45.0	76.8	3.832335	52.8	16.8	0.838323	37.6
Magnesium	24.3	2	12.6	1.036824	47.0	6.1	0.5036	36.2	12.6	1.036824	34.9	8.2	0.677227	39.1	17.1	1.407118	42.8	32.1	2.641432	36.4	12.7	1.045052	46.9
Potassium	39.1	1	1.1	0.029157	1.3	0.8	0.02077	1.5	1.7	0.042201	1.4	0.9	0.021919	1.3	1.9	0.048851	1.5	4.0	0.103074	1.4	1.2	0.03018	1.4
Sodium	23.0	1	7.1	0.308398	14.0	5.7	0.2475	17.8	12.4	0.53937	18.2	6.7	0.292739	16.9	8.1	0.351026	10.7	15.5	0.674213	9.3	7.2	0.313618	14.1
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	3.6E-06	0.0	0.00	3.64E-06	0.0	0.00	3.64E-06	0.0	0.00	3.64E-06	0.0	0.01	0.000215	0.0	0.00	2.67E-05	0.0
Ammonia-N	14.0	1	0.00	0.000143	0.0	0.00	0.00014	0.0	0.00	0.000143	0.0	0.00	0.000143	0.0	0.00	0.000157	0.0	0.00	0.000157	0.0	0.00	0.000143	0.0
Total Cations (meq/L)				**2.2**			**1.4**			**3.0**			**1.7**			**3.3**			**7.3**			**2.2**	
Anions																							
Alkalinity, Total			84			51			87			58			126			240			81		
Carbonate	60.0	2	0.04204	0.001401	0.1	0.0141	0.00047	0.0	0.00811	0.00027	0.0	0.04954	0.001651	0.1	0.05239	0.001746	0.1	0.04459	0.001486	0.0	0.049922	0.001664	0.1
Bicarbonate	61.0	1	102.52	1.680345	79.6	62.56	1.02538	76.9	106.25	1.741467	61.2	71.15	1.166173	70.5	153.61	2.517874	78.6	292.71	4.79779	67.9	98.96	1.622091	77.9
Chloride	35.5	1	4.3	0.120159	5.7	2.4	0.0677	5.1	24.9	0.702338	24.7	5.1	0.14357	8.7	10.6	0.298987	9.3	67.3	1.898288	26.9	4.5	0.127493	6.1
Nitrate-N	14.0	1	0.46	0.032484	1.5	1.20	0.08567	6.4	1.16	0.082816	2.9	1.53	0.109231	6.6	0.84	0.060184	1.9	1.71	0.122082	1.7	0.19	0.013208	0.6
Sulfate	96.1	2	13.3	0.276917	13.1	7.4	0.1547	11.6	15.2	0.316477	11.1	11.2	0.233193	14.1	15.5	0.322723	10.1	11.8	0.245686	3.5	15.3	0.318559	15.3
Total Anions (meq/L)				**2.1**			**1.3**			**2.8**			**1.7**			**3.2**			**7.1**			**2.1**	
Total Ions (meq/L)				**4.3**			**2.7**			**5.8**			**3.4**			**6.5**			**14.3**			**4.3**	
Cation/Anion Ratio				**1.05**			**1.04**			**1.04**			**1.05**			**1.03**			**1.03**			**1.07**	
Percent Difference				**2.2**			**2.1**			**2.2**			**2.3**			**1.3**			**1.3**			**3.4**	
Trilinear Diagram Data																							
sum (Ca, Mg, Na+K)				2.21			1.39			2.97			1.73			3.28			7.25			2.23	
Calcium					37.75			44.50			45.52			42.68			44.98			52.85			37.64
Magnesium					46.96			36.21			34.90			39.14			42.85			36.43			46.92
Sodium + Potassium					15.29			19.29			19.58			18.18			12.18			10.72			15.44
											100.0												100.0
sum (SO_4, Cl, HCO_3+CO_3)				2.08			1.25			2.76			1.54			3.14			6.94			2.07	
Sulfate					13.321			12.393			11.464			15.097			10.273			3.538			15.391
Chloride					5.780			5.423			25.442			9.295			9.518			27.340			6.160
Bicarbonate + Carbonate					80.899			82.183			63.094			75.607			80.209			69.121			78.450
											100.0												

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 01, 2021 to December 31, 2021)

			Upgradient and Crossgradient																	
Site ID			**MW-113**			**MW-114**			**MW-115**			**MW-93**			**MW-94**			**MW-95**		
			10/13/2021			10/12/2021			10/13/2021			10/11/2021			10/14/2021			10/12/2021		
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			7.0			6.5			7.1			6.6			7.1		
Conductance			371			268			271			263			343			214		
TDSobs			232			171			173			201			217			136		
Calcium	40.1	2	39.5	1.971058	45.1	29.1	1.452096	48.6	31.5	1.57185629	50.6	33.0	1.64670659	47.7	39.7	1.98103792	50.7	23.0	1.14770459	46.5
Magnesium	24.3	2	22.4	1.843242	42.2	14.2	1.168484	39.1	13.9	1.14379757	36.8	16.4	1.34951656	39.1	17.8	1.46471919	37.5	12.2	1.00390866	40.6
Potassium	39.1	1	2.2	0.056268	1.3	2.3	0.059593	2.0	2.0	0.05192042	1.7	1.6	0.0409225	1.2	2.8	0.07084707	1.8	1.3	0.03376106	1.4
Sodium	23.0	1	9.8	0.425407	9.7	7.1	0.308398	10.3	7.8	0.33710646	10.9	9.3	0.40583268	11.8	9.1	0.39365335	10.1	6.4	0.27664479	11.2
Iron	55.8	2	1.46	0.052286	1.2	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	0.46	0.016855	0.4	0.00	6.52E-06	0.0	0.01	0.0002217	0.0	0.14	0.00509665	0.1	0.00	6.2252E-06	0.0	0.17	0.00633441	0.3
Ammonia-N	14.0	1	0.01	0.001007	0.0	0.00	0.000186	0.0	0.00	0.00014279	0.0	0.05	0.0035625	0.1	0.00	0.00019276	0.0	0.02	0.00167773	0.1
Total Cations (meq/L)				**4.4**			**3.0**			**3.1**			**3.5**			**3.9**			**2.5**	
Anions																				
Alkalinity, Total			148			101			101			123			137			91		
Carbonate	60.0	2	0.158	0.005267	0.1	0.05664	0.001888	0.1	0.01964996	0.00065501	0.0	0.08883074	0.00296106	0.1	0.02922452	0.00097416	0.0	0.0717358	0.00239123	0.1
Bicarbonate	61.0	1	180.24	2.954288	71.7	123.10	2.017808	70.4	123.18	2.01904049	69.2	149.88	2.45666846	73.6	167.08	2.73861281	73.9	110.39	1.80933592	76.6
Chloride	35.5	1	33.3	0.939272	22.8	20.1	0.566948	19.8	23.1	0.65156686	22.3	2.7	0.07728542	2.3	27.8	0.78413674	21.2	7.8	0.22000959	9.3
Nitrate-N	14.0	1	0.01	0.000714	0.0	1.73	0.12351	4.3	0.60	0.0430499	1.5	0.02	0.00157064	0.0	0.60	0.04255015	1.1	0.01	0.00071393	0.0
Sulfate	96.1	2	10.5	0.218619	5.3	7.5	0.156573	5.5	9.8	0.20321141	7.0	38.4	0.79952029	24.0	6.7	0.13845859	3.7	15.9	0.33105137	14.0
Total Anions (meq/L)				**4.1**			**2.9**			**2.9**			**3.3**			**3.7**			**2.4**	
Total Ions (meq/L)				**8.5**			**5.9**			**6.0**			**6.8**			**7.6**			**4.8**	
Cation/Anion Ratio				**1.06**			**1.04**			**1.06**			**1.03**			**1.06**			**1.05**	
Percent Difference				**2.9**			**2.1**			**3.1**			**1.7**			**2.7**			**2.2**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				4.30			2.99			3.10			3.44			3.91			2.46	
Calcium					45.88			48.59			50.63			47.83			50.66			46.62
Magnesium					42.91			39.10			36.84			39.20			37.46			40.78
Sodium + Potassium					11.21			12.31			12.53			12.98			11.88			12.61
					100.0									100.0						
sum (SO_4, Cl, HCO_3+CO_3)				4.12			2.74			2.87			3.34			3.66			2.36	
Sulfate					5.310			5.708			7.070			23.963			3.781			14.011
Chloride					22.812			20.667			22.667			2.316			21.412			9.311
Bicarbonate + Carbonate					71.878			73.625			70.263			73.720			74.807			76.678

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 01, 2021 to December 31, 2021)

			Downgradient to Waste Cells and North End Facilities																	
Site ID			**MW-68**			**MW-67**			**MW-72**			**MW-74R**			**MW-75**			**MW-80**		
			10/19/2021			10/22/2021			10/12/2021			10/12/2021			10/12/2021			10/20/2021		
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			6.8			7.1			6.9			6.8			7.0			6.9		
Conductance			225			309			315			428			322			258		
TDSobs			156			223			199			296			247			191		
Calcium	40.1	2	27.3	1.362275	45.8	38.9	1.941118	46.7	31.6	1.576846	42.8	46.5	2.320359	39.9	34.9	1.741517	40.8	32.4	1.616766	47.2
Magnesium	24.3	2	14.3	1.176713	39.6	21.2	1.744497	42.0	19.3	1.588151	43.1	35.3	2.904752	49.9	23.9	1.966674	46.1	16.3	1.341288	39.2
Potassium	39.1	1	1.6	0.04169	1.4	1.8	0.045782	1.1	2.0	0.050897	1.4	2.2	0.055757	1.0	2.0	0.052176	1.2	1.7	0.042713	1.2
Sodium	23.0	1	8.4	0.36625	12.3	9.2	0.398003	9.6	8.3	0.360595	9.8	12.3	0.535021	9.2	9.2	0.400613	9.4	7.7	0.333627	9.7
Iron	55.8	2	0.47	0.016832	0.6	0.46	0.016617	0.4	2.66	0.09526	2.6	0.01	0.000358	0.0	2.70	0.096693	2.3	2.17	0.077712	2.3
Manganese	54.9	2	0.28	0.010084	0.3	0.26	0.009392	0.2	0.35	0.012851	0.3	0.00	3.64E-06	0.0	0.25	0.009138	0.2	0.35	0.012596	0.4
Ammonia-N	14.0	1	0.02	0.001264	0.0	0.01	0.000857	0.0	0.02	0.001199	0.0	0.00	0.000143	0.0	0.01	0.000678	0.0	0.01	0.000707	0.0
Total Cations (meq/L)				**3.0**			**4.2**			**3.7**			**5.8**			**4.3**			**3.4**	
Anions																				
Alkalinity, Total			124			169			130			212			118			124		
Carbonate	60.0	2	0.05039	0.00168	0.1	0.11657	0.003886	0.1	0.06064	0.002021	0.1	0.08815	0.002938	0.1	0.06928	0.00231	0.1	0.05653	0.001884	0.1
Bicarbonate	61.0	1	151.18	2.477947	86.0	205.94	3.375605	82.7	158.48	2.597587	74.0	258.46	4.236423	75.3	143.82	2.357335	58.0	151.17	2.477742	76.7
Chloride	35.5	1	3.1	0.088286	3.1	5.2	0.147237	3.6	8.0	0.226215	6.4	24.3	0.685414	12.2	12.9	0.363862	9.0	4.9	0.137083	4.2
Nitrate-N	14.0	1	0.01	0.000714	0.0	0.06	0.004476	0.1	0.01	0.000714	0.0	0.43	0.030699	0.5	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	15.0	0.312313	10.8	26.4	0.54967	13.5	32.9	0.685006	19.5	32.3	0.672513	11.9	64.4	1.340862	33.0	29.5	0.614215	19.0
Total Anions (meq/L)				**2.9**			**4.1**			**3.5**			**5.6**			**4.1**			**3.2**	
Total Ions (meq/L)				**5.9**			**8.2**			**7.2**			**11.4**			**8.3**			**6.7**	
Cation/Anion Ratio				**1.03**			**1.02**			**1.05**			**1.03**			**1.05**			**1.06**	
Percent Difference				**1.6**			**0.9**			**2.4**			**1.6**			**2.4**			**2.9**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				2.95			4.13			3.58			5.82			4.16			3.33	
Calcium					46.23			47.01			44.09			39.90			41.85			48.49
Magnesium					39.93			42.25			44.41			49.95			47.26			40.23
Sodium + Potassium					13.84			10.75			11.51			10.16			10.88			11.29
sum (SO_4, Cl, HCO_3+CO_3)				2.88			4.08			3.51			5.60			4.06			3.23	
Sulfate					10.843			13.484			19.511			12.015			32.991			19.010
Chloride					3.065			3.612			6.443			12.245			8.952			4.243
Bicarbonate + Carbonate					86.091			82.904			74.045			75.740			58.057			76.747

Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Semi-annual Aquifer
Groundwater Monitoring
(Data Collected from October 01, 2021 to December 31, 2021)

			Downgradient to Waste Cells and North End Facilities																	
Site ID			**MW-85**			**MW-86**			**MW-87**			**MW-88**			**MW-89**			**MW-100**		
			10/6/2021			10/6/2021			10/13/2021			10/13/2021			10/13/2021			10/14/2021		
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			6.9			6.6			7.0			7.1			6.9		
Conductance			353			188			497			122			235			247		
TDSobs			229			127			362			82			151			153		
Calcium	40.1	2	36.8	1.836327	43.5	16.5	0.823353	38.2	50.1	2.5	41.4	9.9	0.495509	35.2	20.5	1.022954	37.1	25.6	1.277445	41.8
Magnesium	24.3	2	23.2	1.909072	45.2	11.6	0.954536	44.3	34.0	2.797778	46.3	7.6	0.626209	44.5	15.0	1.234314	44.7	16.0	1.316602	43.1
Potassium	39.1	1	1.7	0.043992	1.0	1.3	0.032994	1.5	2.6	0.066243	1.1	0.9	0.022303	1.6	1.8	0.045271	1.6	1.8	0.045271	1.5
Sodium	23.0	1	10.0	0.434976	10.3	7.2	0.313618	14.5	11.1	0.482823	8.0	6.0	0.262726	18.7	9.1	0.394088	14.3	8.9	0.387129	12.7
Iron	55.8	2	0.01	0.000358	0.0	0.89	0.031765	1.5	4.81	0.172256	2.9	0.01	0.000358	0.0	1.36	0.048704	1.8	0.65	0.02335	0.8
Manganese	54.9	2	0.00	1.24E-05	0.0	0.01	0.000455	0.0	0.50	0.018166	0.3	0.00	3.64E-06	0.0	0.35	0.012705	0.5	0.12	0.004187	0.1
Ammonia-N	14.0	1	0.00	0.000143	0.0	0.00	0.000143	0.0	0.02	0.001221	0.0	0.00	0.000143	0.0	0.02	0.001492	0.1	0.01	0.000593	0.0
Total Cations (meq/L)				**4.2**			**2.2**			**6.0**			**1.4**			**2.8**			**3.1**	
Anions																				
Alkalinity, Total			155			72			120			53			87			118		
Carbonate	60.0	2	0.08494	0.002831	0.1	0.03226	0.001075	0.1	0.03007	0.001002	0.0	0.0286	0.000953	0.1	0.07033	0.002344	0.1	0.05764	0.001921	0.1
Bicarbonate	61.0	1	188.93	3.096702	76.6	88.26	1.446707	72.6	146.34	2.398636	42.4	65.09	1.066886	80.3	105.75	1.733394	68.8	143.84	2.357723	84.4
Chloride	35.5	1	9.9	0.278397	6.9	4.3	0.119877	6.0	18.1	0.510535	9.0	1.9	0.054438	4.1	11.2	0.315911	12.5	2.9	0.080388	2.9
Nitrate-N	14.0	1	0.12	0.008353	0.2	0.01	0.000714	0.0	0.01	0.000785	0.0	0.86	0.061112	4.6	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	31.6	0.657939	16.3	20.4	0.424745	21.3	132.0	2.748351	48.6	7.0	0.145954	11.0	22.5	0.468469	18.6	16.9	0.351872	12.6
Total Anions (meq/L)				**4.0**			**2.0**			**5.7**			**1.3**			**2.5**			**2.8**	
Total Ions (meq/L)				**8.3**			**4.1**			**11.7**			**2.7**			**5.3**			**5.8**	
Cation/Anion Ratio				**1.04**			**1.08**			**1.07**			**1.06**			**1.09**			**1.09**	
Percent Difference				**2.2**			**3.9**			**3.2**			**2.8**			**4.5**			**4.5**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				4.22			2.12			5.85			1.41			2.70			3.03	
Calcium					43.47			38.76			42.76			35.22			37.93			42.21
Magnesium					45.19			44.93			47.85			44.51			45.77			43.50
Sodium + Potassium					11.34			16.31			9.39			20.26			16.29			14.29
sum (SO_4, Cl, HCO_3+CO_3)				4.04			1.99			5.66			1.27			2.52			2.79	
Sulfate					16.302			21.318			48.570			11.508			18.589			12.603
Chloride					6.898			6.017			9.022			4.292			12.536			2.879
Bicarbonate + Carbonate					76.800			72.665			42.407			84.199			68.875			84.517

Figure 5. Trilinear Diagram Upgradient and Crossgradient Regional Wells
Cedar Hills Regional Landfill
Fourth Quarter 2021

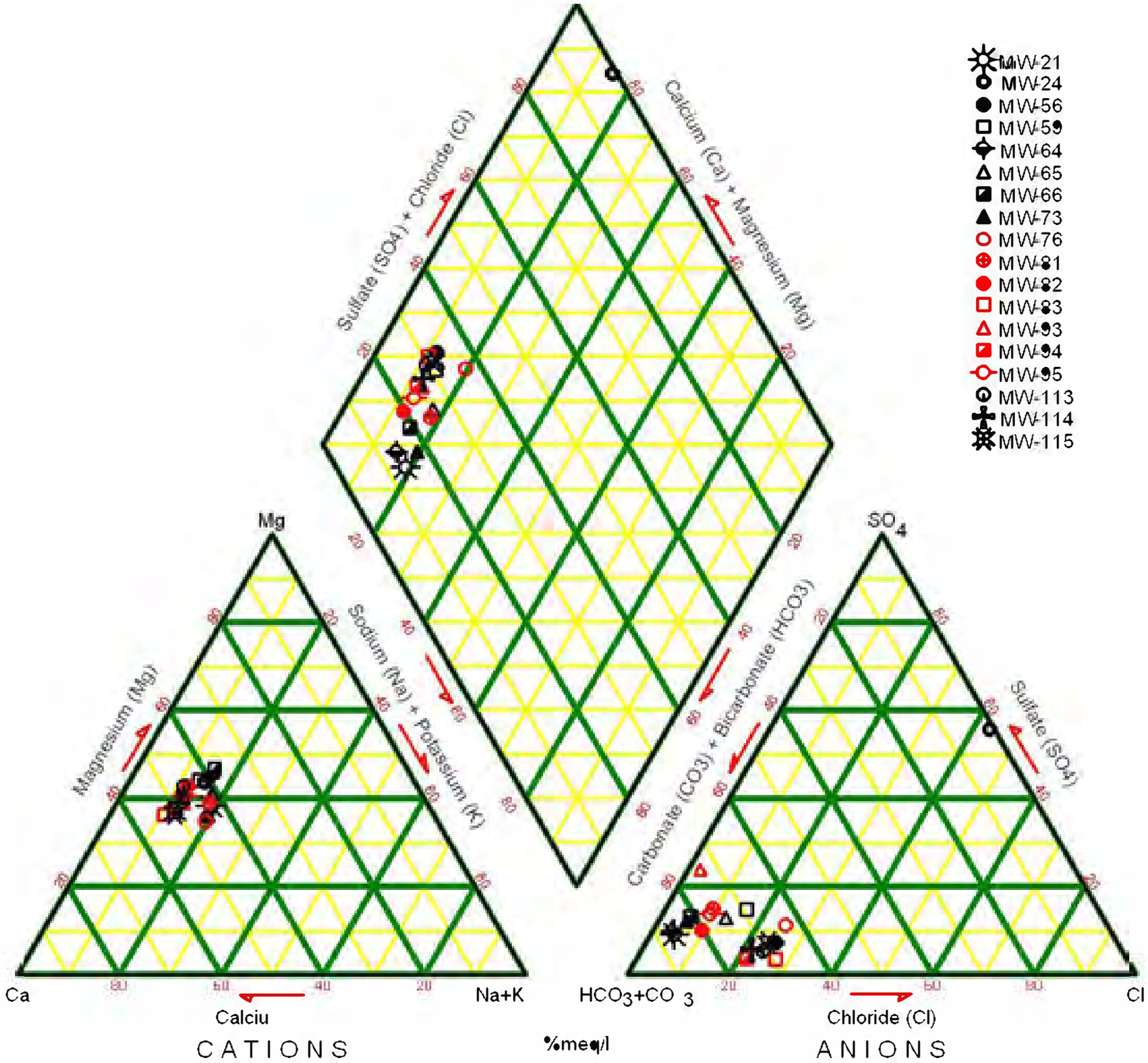


Figure 6. Trilinear Diagram Downgradient Regional Wells
Cedar Hills Regional Landfill
Fourth Quarter 2021

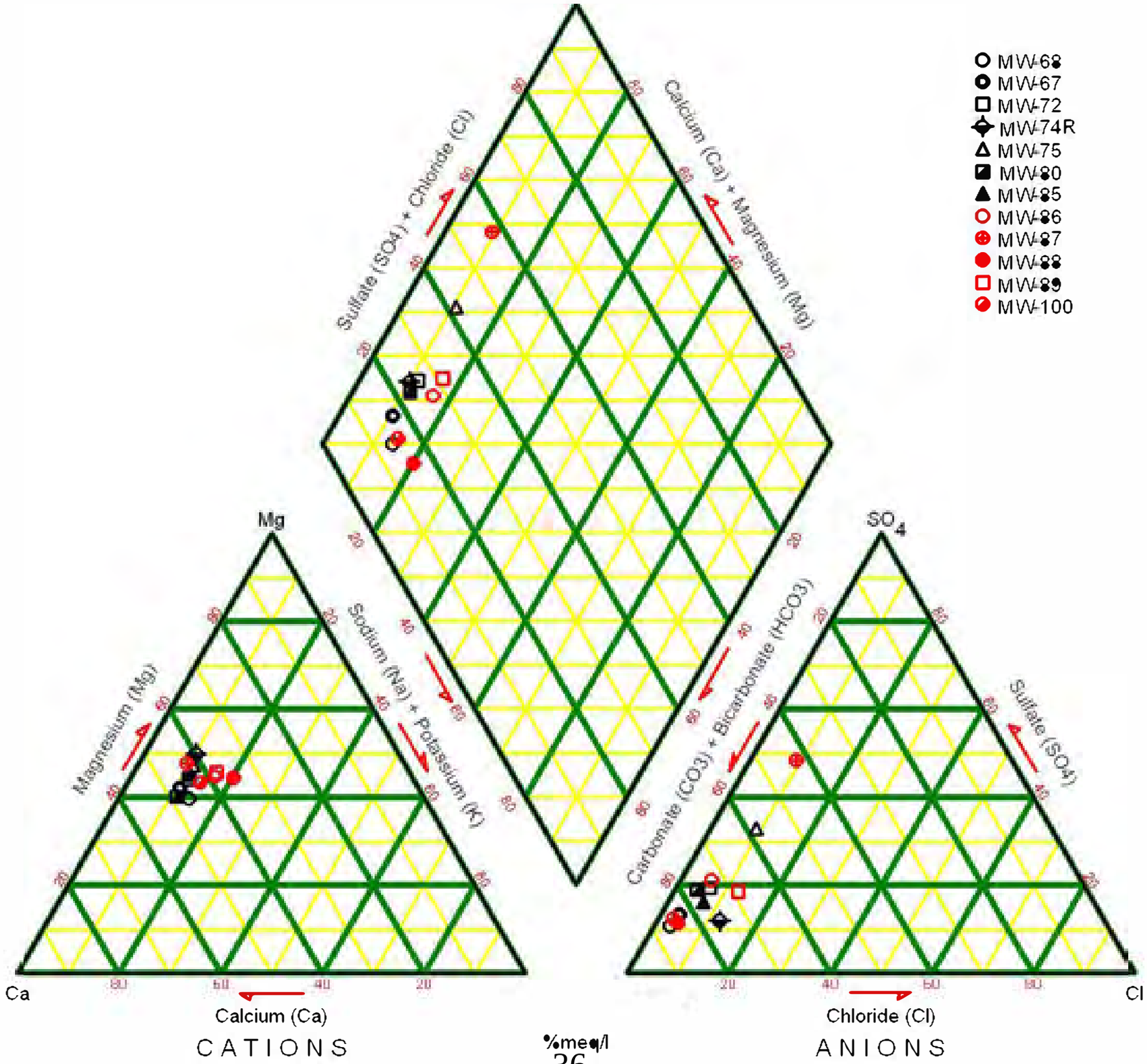


TABLE 5
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS.
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY AND SEMI-ANNUAL MONITORING WELLS
(Data Collected from October 01, 2021 to December 31, 2021)

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	0.00112	0.00536	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000169	0.0005	0.00004	0.000075	0.000075	0.0005	0.01	0.10	0.1	0.1	0.01
MW-24	Limit	0.001	0.001	0.002163	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	0.0276
	Result	0.0003	0.000581	0.00213	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000166	0.0005	0.00004	0.000075	0.000124	0.0005	0.01	0.10	0.1	0.1	0.02
MW-56	Limit	0.001	0.00253	0.0478	0.001	0.002	0.00755	0.00611	0.0177	0.0033	0.01	0.001	0.00694	0.001	0.0181	0.0235	2.78	1.9127436	0.2	0.2	0.02
	Result	0.0003	0.0000794	0.00548	0.0001	0.00005	0.0002	0.000144	0.000333	0.0001	0.00187	0.0005	0.00004	0.000075	0.0002	0.00127	0.032	1.46	0.1	0.1	0.01
MW-59	Limit	0.001	0.001	0.005116	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.00748	0.05	1.41	0.2	0.2	0.02
	Result	0.0003	0.000468	0.00464	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000159	0.0005	0.00004	0.000075	0.0000864	0.000701	0.01	1.27	0.1	0.1	0.01
MW-64	Limit	0.001	0.01	0.033512	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	0.00174	0.0106	0.0001	0.0000846	0.0002	0.000124	0.000297	0.0001	0.00233	0.0005	0.00004	0.000075	0.000455	0.000755	0.01	0.10	0.1	0.1	0.01
MW-65	Limit	0.001	0.00256	0.008505	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	0.127612
	Result	0.0003	0.00072	0.00606	0.0001	0.00005	0.0002	0.00005	0.000204	0.0001	0.000364	0.0005	0.00004	0.000075	0.000075	0.00106	0.01	0.10	0.1	0.1	0.02
MW-66	Limit	0.001	0.001	0.006771	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.910	0.2	0.2	0.2	0.02
	Result	0.0003	0.000718	0.00399	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000224	0.000992	0.00004	0.000075	0.000796	0.0005	0.455	0.10	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	0.000786	0.00441	0.0001	0.00005	0.00062	0.000132	0.000408	0.000422	0.000735	0.000506	0.00004	0.000075	0.00147	0.000848	1.2	0.10	0.1	0.1	0.01
MW-76	Limit	0.001	0.001	0.004787	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	2.420	0.652	14.74	0.02
	Result	0.0003	0.000234	0.00476	0.0001	0.00005	0.000327	0.00005	0.00141	0.0001	0.000556	0.0005	0.00004	0.000075	0.000724	0.0019	1.16	0.14	0.408	7.26	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	1.738	0.2	0.2	0.2	0.02
	Result	0.0003	0.000574	0.00334	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000168	0.000868	0.00004	0.000075	0.00173	0.000563	1.53	0.10	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	1.395	0.2	0.2	8.588677	0.02
	Result	0.0003	0.00028	0.00156	0.0001	0.00005	0.00133	0.00005	0.000298	0.0001	0.0028	0.0005	0.00004	0.000075	0.00148	0.000507	0.843	0.10	0.1	4.1	0.01
MW-83	Limit	0.001	0.001	0.012368	0.001	0.002	0.0628	0.003	0.00771	0.001	0.01	0.001	0.003	0.001	0.002	0.004	4.967	0.2	0.2	2.818088	0.02
	Result	0.0003	0.0004	0.0116	0.0001	0.00005	0.000348	0.000284	0.00372	0.0001	0.00218	0.0005	0.00004	0.000075	0.000981	0.000507	1.71	0.1	0.1	2	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	0.662	0.2	0.2	0.2	0.02
	Result	0.0003	0.000348	**0.00513**	0.0001	0.00005	0.0002	0.0000527	0.000292	0.0001	0.000817	0.000714	0.00004	0.000075	0.000632	0.0036	0.185	0.10	0.1	0.1	0.01
MW-93	Limit	0.001	0.00146091	0.0108	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00265	0.0112	0.055	0.2	0.2	0.2	0.02
	Result	0.0003	**0.00152**	0.00842	0.0001	0.00005	0.0002	0.0000587	0.000396	0.0001	0.000409	0.0005	0.00004	0.000075	0.00238	0.00462	0.022	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	2.561	0.2	0.2	3.544744	0.02
	Result	0.0003	0.000143	0.00268	0.0001	0.00005	0.0002	0.000109	0.00125	0.0001	0.000635	0.0005	0.00004	0.000075	0.00139	0.0005	0.596	0.1	0.1	2.2	0.01
MW-95	Limit	0.001	0.00111	0.004749	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	0.00105	0.00463	0.0001	0.00005	0.0002	0.000071	0.0002	0.0001	0.000244	0.0005	0.00004	0.000075	0.000413	0.0005	0.01	0.10	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 01, 2021 to December 31, 2021)

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	0.0101	0.0298	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00366	0.004	0.82	0.2	0.2	0.2	0.02
	Result	0.0003	0.00501	0.0205	0.0001	0.00005	0.000264	0.000434	0.000659	0.000129	0.000749	0.0005	0.00004	0.000075	0.00219	0.00216	0.0627	0.10	0.1	0.1	0.01
MW-68	Limit	0.001	0.32578304	0.0197	0.001	0.002	0.005	0.0015	0.0115999	0.001	0.005	0.001	0.003	0.001	0.0037	0.004	0.05	0.2	1	0.2	0.02
	Result	0.0003	0.0486	0.0118	0.0001	0.00005	0.0002	0.000224	0.00182	0.0001	0.000511	0.0005	0.00004	0.000075	0.00105	0.0005	0.01	0.10	0.1	0.1	0.01
MW-69*	Limit	0.001	0.00386	0.014174	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0112	0.076	0.2	0.2	0.2	0.02
	Result	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-72	Limit	0.001	0.001	0.01619	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.02583313	0.068	0.2	0.2	0.2	0.02
	Result	0.0003	0.000116	0.0129	0.0001	0.00005	0.0002	0.00005	0.00035	0.0001	0.000202	0.0005	0.00004	0.000075	0.000106	0.00114	0.01	0.10	0.1	0.1	0.01
MW-74R	Limit	0.001	0.00145	0.015948	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	0.000424	0.0127	0.0001	0.00005	0.0002	0.00005	0.000284	0.0001	0.00105	0.000619	0.00004	0.000075	0.00071	0.0005	0.43	0.10	0.1	0.1	0.01
MW-75	Limit	0.001	0.001	0.013927	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	0.000463	**0.0141**	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.0001	0.0005	0.00004	0.000075	0.0000888	0.001	0.01	0.10	0.1	0.1	0.01
MW-80	Limit	0.001	0.0392	0.023	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	0.00315	0.0156	0.0001	0.00005	0.0002	0.00005	0.0002	0.0001	0.000111	0.0005	0.00004	0.000075	0.0000804	0.000609	0.01	0.10	0.1	0.1	0.01
MW-85	Limit	0.001	0.001	0.0076	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00136104	0.003	0.001	0.002	0.004	1.63	0.2	0.2	0.2	0.02
	Result	0.0003	0.00076	**0.00761**	0.0001	0.00005	0.0002	0.00005	0.000331	0.0001	0.000477	0.000901	0.00004	0.000075	0.00103	0.00106	0.117	0.10	0.1	0.1	0.01
MW-86	Limit	0.001	0.0194	0.008754	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0017	0.003	0.001	0.00336	0.004	570	0.2	0.2	0.2	0.02
	Result	0.0003	0.000873	0.00587	0.0001	0.00005	0.0002	0.00005	**0.00434**	0.0001	0.000155	0.0005	0.00004	0.000075	0.000153	0.00117	0.01	0.10	0.1	0.1	0.01
MW-87	Limit	0.001	0.0256	0.038341	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.00468	0.00892	0.0803	0.2	0.2	0.2	0.02
	Result	0.0003	0.00327	0.0282	0.0001	0.00005	0.0002	0.000171	0.000238	0.0001	0.000258	0.0005	0.00004	0.000075	0.000765	0.000908	0.011	0.10	0.1	0.1	0.01
MW-88	Limit	0.001	0.00104969	0.002435	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00295035	0.004	1.7	0.2	0.2	0.2	0.02
	Result	0.0003	**0.00112**	0.00216	0.0001	0.00005	0.000673	0.00005	0.0002	0.0001	0.000158	0.000561	0.00004	0.000075	**0.00303**	0.0005	0.856	0.10	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	0.04062975	0.095	0.2	0.2	0.2	0.04
	Result	0.0003	0.00171	0.00932	0.0001	0.00005	0.0002	0.00005	0.000892	0.0001	0.00014	0.0005	0.00004	0.000075	0.000253	0.0124	0.01	0.10	0.1	0.1	0.01
MW-100	Limit	0.001	0.02044138	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	300	0.2	0.2	0.2	0.02
	Result	0.0003	0.00147	0.00552	0.0001	0.00005	0.0002	0.0002	0.0002	0.0001	0.000534	0.0005	0.00004	0.000075	0.000151	0.000709	0.01	0.10	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 01, 2021 to December 31, 2021)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Upgradient and Crossgradient Wells				
Acetone	MW-21	10/5/2021	W21-211005-	3.02
Cis- 1,2-Dichloroethene	MW-56	10/5/2021	W56-211005-	1.460
	MW-59	10/13/2021	W59-211013-	1.270
	MW-76	10/13/2021	W76-211013-	0.139 JT
Tetrachloroethene	MW-76	10/13/2021	W76-211013-	0.408
Trichloroethene	MW-114	10/12/2021	W114211012-	9.75
	MW-115	10/13/2021	W115211013-	4.65
	MW-76	10/13/2021	W76-211013-	7.26
	MW-82	10/12/2021	W82-211012-	4.10
	MW-83	10/14/2021	W83-211014-	2.00
	MW-94	10/14/2021	W94-211014-	2.20
Vinyl Chloride	MW-24	10/12/2021	W24-211012-	0.0166 JT
	MW-65	10/14/2021	W65-211014-	0.0171 JT
Downgradient Wells				
N/A	--	--	--	--

TABLE 7
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES GROUNDWATER QUALITY STANDARD 4th QTR EXCEEDANCES
(Data Collected from October 01, 2021 to December 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-107	10/20/2021	W107211020-	5.29
		MW-110	10/21/2021	W110211021-	6.37
		MW-30A	10/18/2021	W30A211018-	6.29
1,1-Dichloroethane	µg/L	MW-30A	10/18/2021	W30A211018-	1.72
Arsenic, Total	mg/L	MW-30A	10/18/2021	W30A211018-	0.000535
		MW-47	10/18/2021	W47-211018-	0.000529
		MW-103	10/20/2021	W103211020-	0.0109
		MW-107	10/20/2021	W107211020-	0.00315
		MW-110	10/21/2021	W110211021-	0.00251
Iron, Dissolved	mg/L	MW-107	10/20/2021	W107211020-	1.77
Manganese, Dissolved	mg/L	MW-47	10/18/2021	W47-211018-	1.04
		MW-107	10/20/2021	W107211020-	2.76
		MW-110	10/21/2021	W110211021-	3.15
Sodium	mg/l	MW-110	10/21/2021	W110211021-	20.8
Vinyl Chloride	µg/L	MW-47	10/18/2021	W47-211018-	1.46
		MW-107	10/20/2021	W107211020-	0.627
		MW-110	10/21/2021	W110211021-	0.15
SPEC COND, FIELD	µS	MW-47	10/18/2021	W47-211018-	886
South Solid Waste Area Perched Wells					
pH (Field)	pH Units	MW-101	10/18/2021	W101211018-	6.22
Arsenic, Total	mg/L	MW-101	10/18/2021	W101211018-	0.011
Iron, Dissolved	mg/L	MW-101	10/18/2021	W101211018-	0.657
Manganese, Dissolved	mg/L	MW-101	10/18/2021	W101211018-	0.963
Vinyl Chloride	µg/L	MW-101	10/18/2021	W101211018-	0.267

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

Figure 7. Trilinear Diagram East Perched Zone Wells
Cedar Hills Regional Landfill
Fourth Quarter 2021

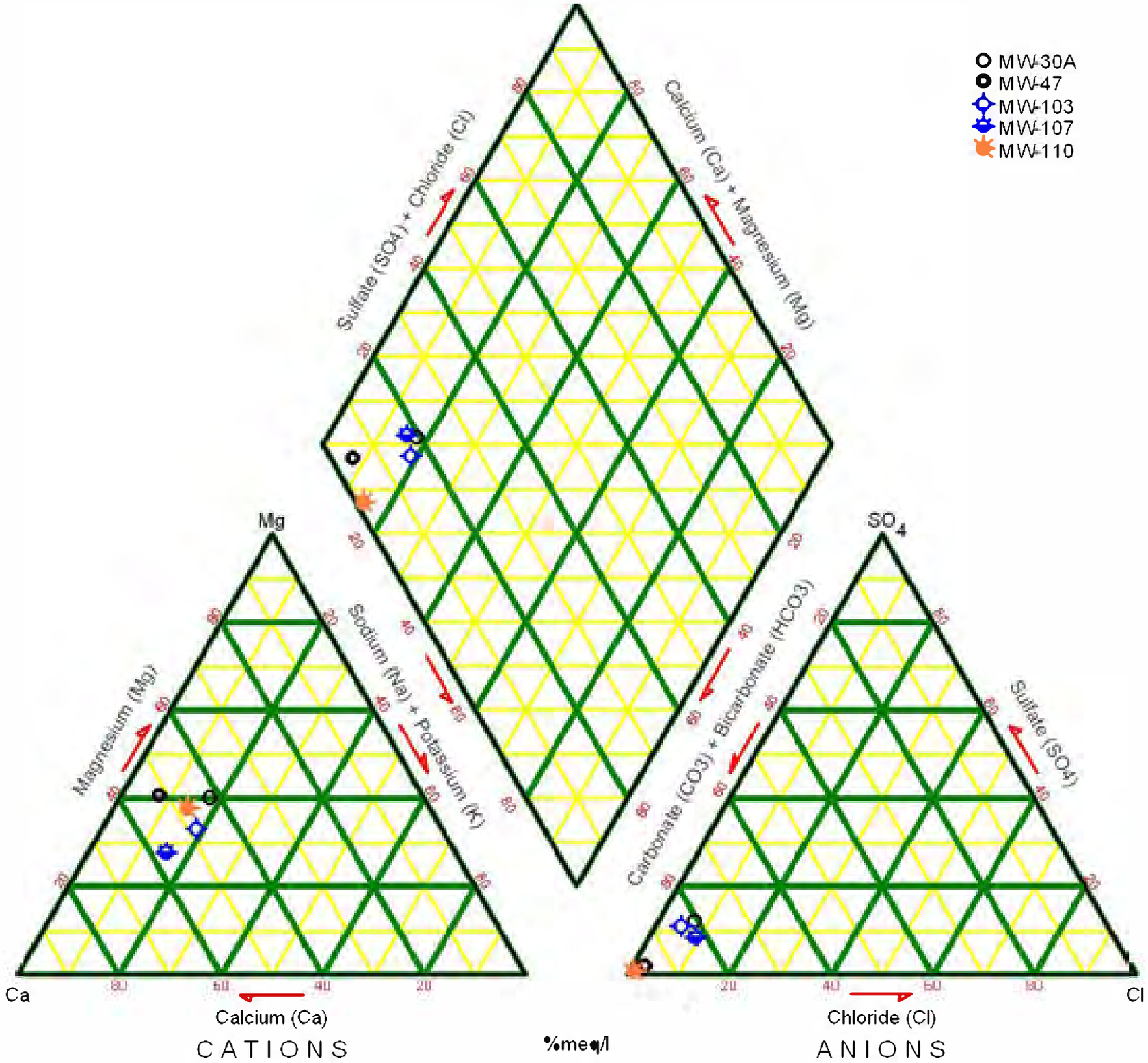


Figure 8. Trilinear Diagram SSW Area Perched Zones Wells
Cedar Hills Regional Landfill
Fourth Quarter 2021

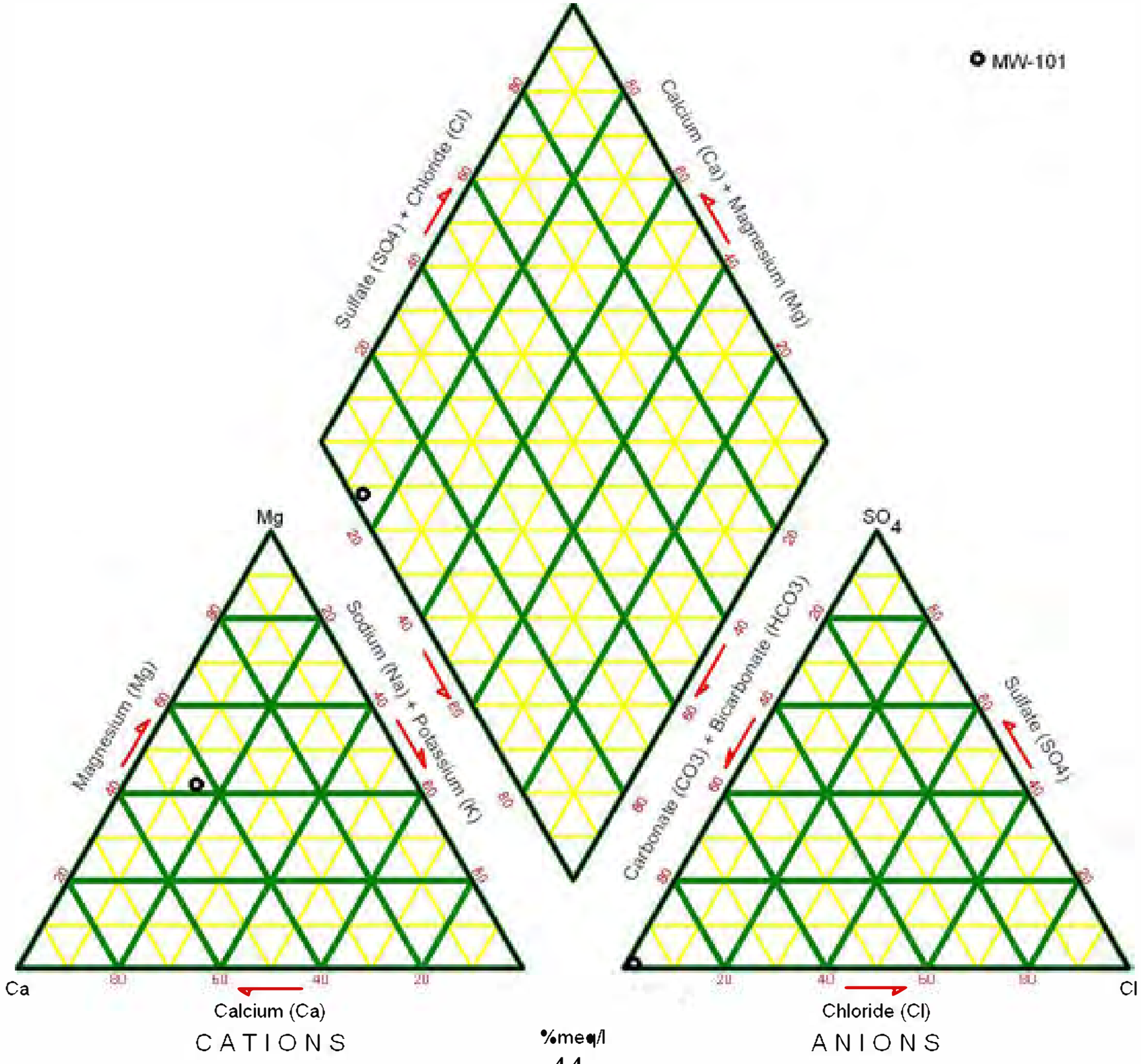


Table 8
Ion Balance Calculations.
Cedar Hills Regional Landfill.
Perched Zones Groundwater Monitoring Wells

Data Collected from October 1, 2021 - December 31, 2021

		East Perched Zone						SSWA			East Perched Zone								
Site ID		**MW-30A**			**MW-47**			**MW-101**			**MW-103**			**MW-107**			**MW-110**		
Date		10/18/2021			10/18/2021			10/18/2021			10/20/2021			10/20/2021			10/21/2021		
Cations	**Weight**	**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		6.3			6.8			6.2			8.1			5.3			6.4		
Conductance		222.9			886.0			463.6			239.3			164.3			646.6		
TDSobs		110.0			515.0			271.0			113.0			84.3			393.0		
Calcium	40.1	4.9	0.24	7.1	8.7	0.43	3.6	2.6	0.13	2.5	4.9	0.24	7.1	7.1	0.36	12.3	1.9	0.10	1.2
Magnesium	24.3	0.0	0.00	0.0	1.0	0.09	0.7	1.0	0.08	1.6	0.0	0.00	0.0	2.8	0.23	7.9	3.2	0.26	3.2
Potassium	39.1	11.0	0.281	8.15	16.6	0.425	3.54	16.0	0.409	8.08	10.0	0.256	7.48	5.2	0.134	4.64	25.4	0.650	7.93
Sodium	23.0	11.5	0.50	14.5	11.8	0.51	4.3	3.1	0.14	2.7	14.9	0.65	18.9	9.2	0.40	13.9	3.6	0.16	1.9
Iron	55.8	14.3	0.51211	14.8364	57.2	2.04845	17.0710	27.4	0.98125	19.3804	11.0	0.39393	11.5177	6.4	0.22956	7.9410	38.2	1.36802	16.7006
Manganese	54.9	4.3	0.15727	4.55621	0.0	0.00036	0.00303	0.1	0.00215	0.04249	0.0	0.00124	0.03619	0.0	0.00157	0.05440	0.0	0.00036	0.00444
Ammonia-N	14.0	24.6	1.75626	50.8806	119.0	8.49575	70.8001	46.6	3.32691	65.7088	26.3	1.87763	54.8977	21.6	1.54209	53.3455	79.3	5.66145	69.1141
Total Cations (meq/L)			**3.45**			**12.00**			**5.06**			**3.42**			**2.89**			**8.19**	
Anions																			
Alkalinity, Total		0.00			0.07			0.00			0.01			0.69			0.03		
Carbonate	60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bicarbonate	61.0	0.00	0.000	0.001	0.08	0.001	0.011	0.01	0.000	0.002	0.02	0.000	0.008	0.84	0.014	0.474	0.04	0.001	0.007
Chloride	35.5	0.0	0.000	0.007	0.0	0.001	0.007	0.7	0.019	0.329	0.0	0.000	0.007	1.8	0.050	1.713	0.0	0.001	0.015
Nitrate-N	14.0	1.5	0.109	2.787	5.4	0.383	3.134	2.5	0.181	3.206	2.8	0.196	5.084	2.6	0.185	6.346	3.3	0.238	2.710
Sulfate	96.1	183.0	3.810	97.205	569.0	11.847	96.848	261.0	5.434	96.463	176.0	3.664	94.901	128.0	2.665	91.467	411.0	8.557	97.268
Total Anions (meq/L)			**3.92**			**12.23**			**5.63**			**3.86**			**2.91**			**8.80**	
Total Ions (meq/L)			**7.372**			**24.232**			**10.697**			**7.282**			**5.804**			**16.989**	
Cation/Anion Ratio			**0.881**			**0.981**			**0.899**			**0.886**			**0.992**			**0.931**	
Percent Difference			**-6.349**			**-0.962**			**-5.332**			**-6.058**			**-0.395**			**-3.569**	
Trilinear Diagram Data																			
sum (Ca, Mg, Na+K)			1.03			1.46			0.75			1.15			1.12			1.16	
Calcium				23.8			29.7			17.0			21.2			31.8			8.2
Magnesium				0.0			5.9			10.5			0.0			20.3			22.3
Sodium + Potassium				76.2			64.5			72.5			78.8			47.8			69.5
sum (SO_4, Cl, HCO_3+CO_3)			3.811			11.849			5.453			3.665			2.729			8.559	
Sulfate				100.0			100.0			99.7			100.0			97.7			100.0
Chloride				0.0			0.0			0.3			0.0			1.8			0.0
Bicarbonate + Carbonate				0.0			0.0			0.0			0.0			0.5			0.0

TABLE 9
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
(Data Collected from October 01, 2021 - December 31, 2021)

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	0.0077	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	4.24	2.00	0.20	8.67	0.20	1.47	0.03
	Result	0.0003	0.0005	0.0053	0.0001	0.00005	0.0010	0.0000964	0.000730	0.000113	0.00125	0.0005	0.00004	0.000075	0.00241	0.001210	4.32	1.72	0.10	0.10	3.74	0.10	0.83	0.01
MW-47	Limit	0.001	0.0113	0.0462	0.001	0.002	0.005	0.003	0.0105	0.00143	0.01	0.001	0.003	0.001	0.00317	0.168	0.024	0.99	2.00	0.44	6.26	0.41	0.23	8.32
	Result	0.0003	0.0005	0.033	0.0001	0.00005	0.000366	0.000359	0.000431	0.000111	0.00167	0.0005	0.00004	0.000075	0.00167	0.000626	0.01	0.40	0.10	0.10	0.97	0.10	0.10	1.46
MW-62*	Limit	0.001	0.001	0.0035	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00212	0.004	7.4273256	10.20	0.20	0.20	10.30	0.20	0.47	0.02
	Result																							
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.014	0.0344	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	0.87
	Result	0.0003	0.011	0.0183	0.0001	0.00005	0.00066	0.000291	0.0002	0.0001	0.00367	0.0005	0.00004	0.000075	0.000434	0.000623	0.0591	0.16	0.10	0.15	0.23	0.10	0.10	0.27

NOTE: MW-62 was not sampled due to DTW below pump.
Results greater than Limit Value in **RED Bold**

TABLE 10
CEDAR HILLS REGIONAL LANDFILL.
PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from October 01, 2021 to December 31, 2021)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-30A	10/18/2021	W30A211018-	1.720
	MW-47	10/18/2021	W47-211018-	0.403
	MW-110	10/21/2021	W110211021-	0.344
1,2-Dichlorobenzene	MW-110	10/21/2021	W110211021-	1.180
1,2-Dichloroethane	MW-110	10/21/2021	W110211021-	0.356
1,2-Dichloropropane	MW-110	10/21/2021	W110211021-	0.294
1,4-Dichlorobenzene	MW-107	10/20/2021	W107211020-	0.325
	MW-110	10/21/2021	W110211021-	0.246
Benzene	MW-107	10/20/2021	W107211020-	0.389
	MW-110	10/21/2021	W110211021-	0.486
Chlorobenzene	MW-107	10/20/2021	W107211020-	0.27
	MW-110	10/21/2021	W110211021-	1.24
Chloroethane	MW-107	10/20/2021	W107211020-	0.142 JT
	MW-110	10/21/2021	W110211021-	0.224
	MW-47	10/18/2021	W47-211018-	0.175 JT
Cis-1,2-Dichloroethene	MW-107	10/20/2021	W107211020-	0.213
	MW-110	10/21/2021	W110211021-	5.820
	MW-30A	10/18/2021	W30A211018-	3.740
	MW-47	10/18/2021	W47-211018-	0.974
Dichlorodifluoromethane	MW-107	10/20/2021	W107211020-	0.134 JT
	MW-47	10/18/2021	W47-211018-	0.64
Tetrachloroethene	MW-30A	10/18/2021	W30A211018-	0.135 JT
Trans-1,2-Dichloroethene	MW-107	10/20/2021	W107211020-	0.103 JT
	MW-110	10/21/2021	W110211021-	0.335
	MW-30A	10/18/2021	W30A211018-	0.102 JT
Trichloroethene	MW-110	10/21/2021	W110211021-	0.148 JT
	MW-30A	10/18/2021	W30A211018-	0.83
Vinyl Chloride	MW-107	10/20/2021	W107211020-	0.627
	MW-110	10/21/2021	W110211021-	0.150
	MW-47	10/18/2021	W47-211018-	1.460
South Solid Waste Area Perched Wells				
1,1-Dichloroethane	MW-101	10/18/2021	W101211018-	0.161 JT
1,2-Dichloroethane	MW-101	10/18/2021	W101211018-	0.145 JT
Chloroethane	MW-101	10/18/2021	W101211018-	0.148 JT
Cis-1,2-Dichloroethene	MW-101	10/18/2021	W101211018-	0.228
Vinyl Chloride	MW-101	10/18/2021	W101211018-	0.267

See Data Qualifier List for Qualifier Information.

TABLE 11
CEDAR HILLS REGIONAL LANDFILL.
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from October 01, 2021 to December 31, 2021)

Analyte	Site ID	Date	Sample ID	Sample Value (mg/L)
2-Butanone	FIELD BLANK	10/05/21	W21-211005F	1.79 JT
Chloroform	FIELD BLANK	10/05/21	W21-211005F	2.51
Chloroform	FIELD BLANK	10/05/21	W82-211012F	0.142 JT

See Data Qualifier List for Qualifier Information.

TABLE 12
CEDAR HILLS REGIONAL LANDFILL.
STORM AND SURFACE WATER MONITORING ACTIVITIES 4th QUARTER 2021

Station ID	Date	Planned Acitvity	Sample ID	Comment
SW-GS1	10/28/21	"First Fall Storm Event"	SGS1211028P	
SW-GS1	12/13/21	NPDES Permit Sample	SGS1211213P	
SW-SL3	10/28/21	"First Fall Storm Event"	SSL3211028P	
SW-SL3	12/13/21	NPDES Permit Sample	SL3-211213P	
SW-N4	10/25/21	"First Fall Storm Event"	SN4-211025P	
SW-N4	12/13/21	NPDES Permit Sample	SN4-211213P	
SW-TD1	10/28/21	Top Deck Surface Water Sample	STD1211028-	
SW-TD2	10/28/21	Top Deck Surface Water Sample	STD2211028-	
SW-TD7	N/A	Top Deck Surface Water Sample	N/A	NST
SW-E1	10/19/21	East Perched Zone SW Monitoring	SE1-211019-	NST
Stream Gauges	10/04/21	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	11/03/21	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	12/06/21	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	
			Quarterly Average	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 01, 2021 to December 31, 2021)

SUMMARY OF ISGP* EXCEEDANCES

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

*ISGP - Industrial General Stormwater Permit

SUMMARY OF CSGP* EXCEEDANCES

Parameter	Units	Sampling Location	Date	Value	Permit Limit	Type
Turbidity	NTU	C3	10/29/2021	49.5	25	
Turbidity	NTU	C4	10/29/2021	74.9	25	
Turbidity	NTU	C3	10/30/2021	49.7	25	
Turbidity	NTU	C4	10/30/2021	75.3	25	

*CSGP - Construction Stormwater General Permit

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
	Azobenzene	103-33-3	0.7	ug/L
	Benzene	71-43-2	1	ug/L

Table 15

Water Quality Standards for Groundwaters of the State of Washington

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

NOTES: pCi/L=picocuries per liter
mg/L=milligrams per liter
ug/L=micrograms per liter
*Ground Water Quality Criteria=173-200 WAC Water Quality Standards for Ground Waters of the State of Washington

TABLE 16
CEDAR HILLS REGIONAL LANDFILL
LAB DATA REVIEW - SUSPECT DATA
(Data Collected from October 01, 2021 - December 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	**Cause of Unuseability**
NO SUSPECT DATA THIS QUARTER						

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 18, 2022

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 2021 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 2021 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, 2021). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on October 4, 2021. These measurements were received by WLRD on December 7, 2021, 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 are no significant changes in the interpreted groundwater conditions for the regional aquifer in this quarter, when compared to the report submitted for the third quarter of 2021.

Groundwater Elevation Data

The SWD measured regional aquifer groundwater level measurements at 43 monitoring wells during the fourth quarter of 2021. 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, 2021).

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 25 wells had measured water levels within ten feet of the top of the screened interval and were used for mapping potentiometric surface contours. Measured water levels in these wells are on average 0.75 ft lower than those measured in the third quarter of 2021.

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 4, 2021.

Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on October 4, 2021, are shown in Figure A-1. Calculated groundwater elevations during the fourth quarter of 2021 indicate that groundwater in the regional aquifer generally flows to the north with minor components of flow of the following:

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

Table A-2 lists the flow direction for each portion of the regional aquifer beneath the Landfill based on measurements taken on October 4, 2021 and mapping of groundwater elevation contours. Flow directions for the regional aquifer in the fourth quarter of 2021 are similar to those for the third quarter of 2021.

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).

Gradients

The hydraulic gradient for the regional aquifer was determined using potentiometric surface maps (Figure A-1). Table A-2 lists the gradients of regional aquifer for the northern, central and southern portions beneath the Landfill.

The hydraulic calculated gradient is greatest under the southern portion of the Landfill (0.013 ft/ft) and slightly lower under the rest of the Landfill based on measurements made during the fourth quarter of 2021. The gradients calculated for the regional aquifer in the fourth quarter of 2021 are within the range of gradients calculated during the third quarter of 2021.

Groundwater Velocities

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]

Table A-2 summarizes the groundwater parameters used to calculate a groundwater velocity for the regional aquifer in the northern, central and southern portions beneath the Landfill. The mean horizontal groundwater velocities for the regional aquifer beneath the Landfill, are lowest under the southern portion of the Landfill (0.009 ft/d) and much greater under the rest of the Landfill (up to 2.29 ft/d under the central portion). The velocities calculated for the regional aquifer in the fourth quarter of 2021 are within the range of groundwater velocities calculated during the third quarter of 2021.

References

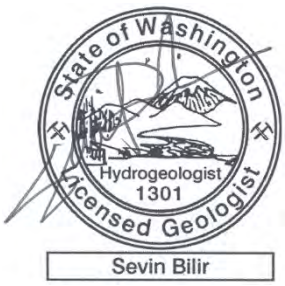
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

HDR Engineering, Inc. (HDR). 2021. 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). 2021. Proposal for 2021 Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations; King County Closed Landfills (Cedar Falls, Enumclaw, Hobart, and Vashon Island) and Cedar Hills Regional Landfill. April 15.

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 2021
Table A-2:	Groundwater Parameters – Regional Aquifer – Fourth Quarter 2021
Figure A-1:	Groundwater Potentiometric Surface Map – Fourth Quarter 2021 – Regional Aquifer

Table A-1: Well Details and Groundwater Elevations – Fourth Quarter 2021

Cedar Hills Regional Landfill
King County, Washington

							October 4, 2021	
	Well Identification	Easting[1]	Northing[1]	Top of Casing Elevation[2]	Top of Screen Elevation[2]	Bottom of Screen Elevation[2]	Measured Depth to Water[3]	Groundwater Elevations[2]
		ft	ft	ft MSL	ft MSL	ft MSL	ft	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	229.01	338.14
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	266.12	330.43
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	239.21	292.07
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.45	295.98
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	332.24	314.83
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	361.16	310.71
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	192.03	293.67
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	240.08	291.18
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	141.98	349.73
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.04	309.62
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	125.90	348.95
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	145.53	351.28
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	236.65	294.15
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	246.25	285.51
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.98	286.06
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	248.28	289.03
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	227.40	286.28
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.74	323.41
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	144.18	351.33
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.57	319.97
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	298.16	322.16
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	190.70	284.77
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	188.81	342.28
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	140.68	349.77
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	133.33	351.54
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	125.32	295.34
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	234.62	282.47
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	146.30	329.69
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	262.95	284.11
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	284.26	296.17
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	129.38	350.95
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	106.24	350.40
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	155.70	323.57
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	125.81	331.32
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	210.98	334.85
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	245.78	286.62
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.98	291.43
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	232.50	280.32
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	222.08	280.14
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	247.05	284.97
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.78	292.86
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	332.98	313.35
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	331.25	314.56
Other	MW-69[4]	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).
4. MW-69 due to be repaired in near future.

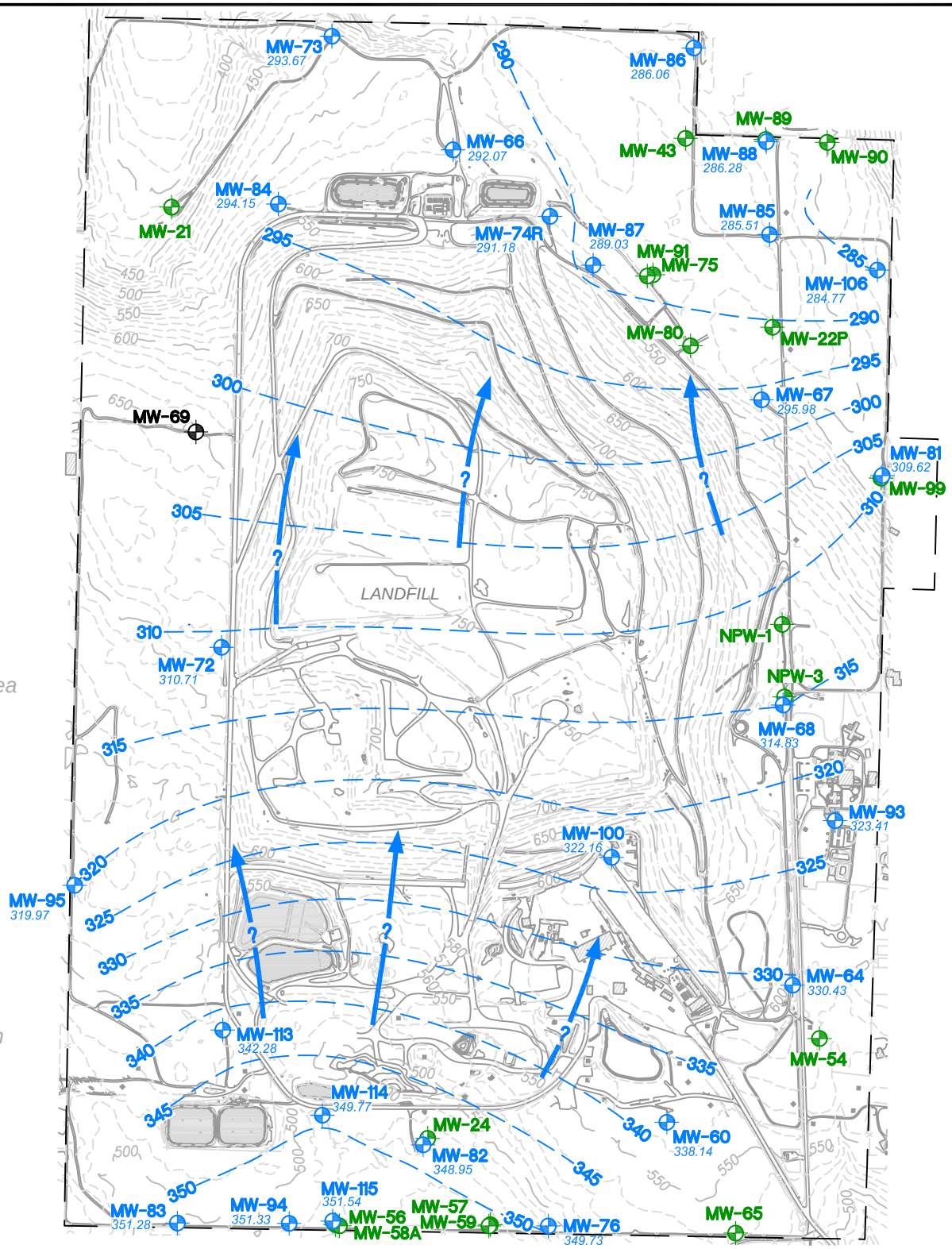
NM Not measured due to damaged well. Cannot access water level.
NA Not Applicable

Table A-2: Groundwater Parameters – Regional Aquifer
Fourth Quarter 2021
Cedar Hills Regional Landfill
King County, Washington

					Fourth Quarter 2021 - October 4, 2021		
Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,2] (K)			Effective Porosity[1] (n_{eff})	Horizontal Hydraulic Gradient[3] (DH/DL)	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	cm/s	ft/d		ft/ft	ft/d	
Northern	Minimum	2.10E-03	6	24%	0.008	0.20	NNW, N, NNE, NE
	Maximum	4.20E-02	120			4.06	
	Mean	2.10E-02	60			2.03	
Central	Minimum	2.10E-03	6	24%	0.009	0.23	N, NNW
	Maximum	4.20E-02	120			4.57	
	Mean	2.10E-02	60			2.29	
Southern	Minimum	6.40E-06	0.018	26%	0.013	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.088	
	Mean	6.40E-05	0.18			0.009	

Notes:
1. Horizontal hydraulic conductivity values and effective porosity values from Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).
2. Hydraulic gradients calculated using 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; NW northwest; 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. *Elevation (feet mean sea level (MSL))*
- **MW-X** — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen. *Elevation (feet MSL)*
- **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
- Pond
- Road
- Ditch
- Fence
- King County Landfill Property
- Building

N

0 1000 2000 Feet

Contour Interval 10 Feet

Notes:

1. Groundwater measurements made on October 4, 2021.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

Locations surveyed on North American Datum of 1927 (NAD 27).

Elevations reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Basemap Layer Data: King County Solid Waste Division

King County

Groundwater Potentiometric Surface Map
Fourth Quarter 2021 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: December 2021	PROJECT NO. 1126980
DESIGNED BY: SB	
DRAWN BY: KK	FIGURE NO. A-1
REVISED BY: SB	

CH_4Q2021.dwg

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APPENDIX B

Field and Analytical Test Results

Groundwater Field and Analytical Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-100	10/4/2021	620.32	298.16	322.16	
MW-100	10/14/2021	620.32	298.45	321.87	
MW-101	10/4/2021	474.72	43.42	431.3	
MW-101	10/18/2021	474.72	33.2	441.52	
MW-102	10/4/2021	552.48	51.03	501.45	
MW-103	10/4/2021	639.08	23.31	615.77	
MW-103	10/20/2021	639.08	24.8	614.28	
MW-104	10/4/2021	629.68	29.08	600.6	
MW-104	10/19/2021	629.68	29.44	600.24	
MW-105	10/4/2021	521.23	23.3	497.93	
MW-106	10/4/2021	475.47	190.7	284.77	Needs sand in annulus
MW-107	10/4/2021	589.029	27.55	561.48	
MW-107	10/20/2021	589.03	28.05	560.98	
MW-108	10/4/2021	612.258			Dry at 20.25 ft
MW-108	10/19/2021	612.26			Dry at 20.13 ft
MW-109	10/4/2021	638.728			No depth indicated
MW-109	10/19/2021	638.73			Dry at 15.08 ft
MW-110	10/4/2021	641.742	9.74	632	
MW-110	10/21/2021	641.74	8.51	633.23	PERISTALTIC PUMP
MW-111	10/4/2021	643.797			Dry at 15.15 ft
MW-111	10/19/2021	643.8			Dry at 15.07 ft
MW-112	10/4/2021	638.929	16.8	622.13	
MW-112	10/19/2021	638.93	16.84	622.09	
MW-113	10/4/2021	531.09	188.81	342.28	
MW-113	10/13/2021	531.09	188.98	342.11	
MW-114	10/4/2021	490.45	140.68	349.77	
MW-114	10/12/2021	490.45	141.12	349.33	
MW-115	10/4/2021	484.87	133.33	351.54	
MW-115	10/13/2021	484.87	133.63	351.24	
MW-21	10/4/2021	420.66	125.32	295.34	
MW-21	10/5/2021	420.66	125.14	295.52	
MW-22	10/4/2021	517.09	234.62	282.47	
MW-24	10/4/2021	475.99	146.3	329.69	
MW-24	10/12/2021	475.99	147.11	328.88	
MW-25	10/4/2021	474.41	18.73	455.68	
MW-27A	10/4/2021	584.23	55.14	529.09	
MW-28	10/4/2021	527.75	39.49	488.26	
MW-29	10/4/2021	532.92	17.87	515.05	
MW-30A	10/4/2021	568.43	29.98	538.45	Needs sand in annulus

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-30A	10/18/2021	568.43	29.88	538.55	
MW-41D	10/4/2021	462.32	31.99	430.33	
MW-41S	10/4/2021	462.44	14.75	447.69	
MW-43	10/4/2021	547.06	262.95	284.11	
MW-45	10/4/2021	488.4	17.63	470.77	
MW-47	10/4/2021	634.6	21.85	612.75	
MW-47	10/18/2021	634.6	21.82	612.78	
MW-48	10/4/2021	594.49	46.15	548.34	Needs sand in annulus
MW-50	10/4/2021	637.02	32.55	604.47	
MW-50	10/19/2021	637.05	33.92	603.13	
MW-54	10/4/2021	580.43	284.26	296.17	
MW-55	10/4/2021	652.29	32.65	619.64	
MW-56	10/4/2021	480.33	129.38	350.95	
MW-56	10/5/2021	480.33	129.38	350.95	
MW-57	10/4/2021	456.64	106.24	350.4	
MW-58A	10/4/2021	479.27	155.7	323.57	
MW-59	10/4/2021	457.13	125.81	331.32	Needs to be fixed
MW-59	10/13/2021	457.13	125.92	331.21	
MW-60	10/4/2021	567.15	229.01	338.14	
MW-62	10/4/2021	556.21	54.88	501.33	Below top of pump at 51.70 ft
MW-62	10/18/2021	556.21			
MW-63	10/4/2021	515.88	18.56	497.32	
MW-64	10/4/2021	596.55	266.12	330.43	
MW-64	10/11/2021	596.55	266.53	330.02	
MW-65	10/4/2021	545.83	210.98	334.85	
MW-65	10/14/2021	545.83	211.19	334.64	
MW-66	10/4/2021	531.28	239.21	292.07	
MW-66	10/11/2021	531.28	239.43	291.85	
MW-67	10/4/2021	516.43	220.45	295.98	
MW-67	10/22/2021	516.43	220.78	295.65	
MW-68	10/4/2021	647.07	332.24	314.83	
MW-68	10/19/2021	647.07	332.17	314.9	
MW-69	10/4/2021	653.69			Needs to be fixed
MW-72	10/4/2021	671.87	361.16	310.71	
MW-72	10/12/2021	671.87	361.4	310.47	
MW-73	10/4/2021	485.7	192.03	293.67	
MW-73	10/11/2021	485.7	192.25	293.45	
MW-74R	10/4/2021	531.26	240.08	291.18	Yellow Jackets
MW-74R	10/12/2021	531.26	240.44	290.82	
MW-75	10/4/2021	532.4	245.78	286.62	
MW-75	10/12/2021	532.4	246.04	286.36	
MW-76	10/4/2021	491.71	141.98	349.73	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-76	10/13/2021	491.71	142.28	349.43	
MW-79	10/4/2021	459.17			
MW-80	10/4/2021	530.41	238.98	291.43	Yellow Jackets
MW-80	10/20/2021	530.41	239.25	291.16	
MW-81	10/4/2021	493.66	184.04	309.62	
MW-81	10/6/2021	493.66	184.41	309.25	
MW-82	10/4/2021	474.85	125.9	348.95	
MW-82	10/12/2021	474.85	126.22	348.63	
MW-83	10/4/2021	496.81	145.53	351.28	
MW-83	10/14/2021	496.81	145.79	351.02	
MW-84	10/4/2021	530.8	236.65	294.15	
MW-84	10/6/2021	530.8	136.67	394.13	
MW-85	10/4/2021	531.76	246.25	285.51	
MW-85	10/6/2021	531.76	246.7	285.06	
MW-86	10/4/2021	536.04	249.98	286.06	
MW-86	10/6/2021	536.04	250.41	285.63	
MW-87	10/4/2021	537.31	248.28	289.03	
MW-87	10/13/2021	537.31	248.45	288.86	
MW-88	10/4/2021	513.68	227.4	286.28	
MW-88	10/13/2021	513.68	227.68	286	
MW-89	10/4/2021	512.82	232.5	280.32	
MW-89	10/13/2021	512.82	232.65	280.17	
MW-90	10/4/2021	502.22	222.08	280.14	Slugs
MW-91	10/4/2021	532.02	247.05	284.97	Water level sticks at 240.0 ft
MW-93	10/4/2021	632.15	308.74	323.41	
MW-93	10/11/2021	632.15	309.11	323.04	
MW-94	10/4/2021	495.51	144.18	351.33	
MW-94	10/14/2021	495.51	144.54	350.97	
MW-95	10/4/2021	571.54	251.57	319.97	
MW-95	10/12/2021	571.54	251.53	320.01	
MW-98	10/4/2021	503.73	22.5	481.23	
MW-99	10/4/2021	493.64	200.78	292.86	
MW-EB5	10/4/2021	645.36	43.72	601.64	
MW-EB5S	10/4/2021	645.77	21.08	624.69	
MW-EB6	10/4/2021	589.61	31.38	558.23	Below top of pump at 30.75 ft
MW-EB6	10/19/2021	589.61	31.35	558.26	
WS-NPW-1	10/4/2021	646.33	332.98	313.35	From upper plug
WS-NPW-3	10/4/2021	645.81	331.25	314.56	From lower plug

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Field Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (^{o} C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV	Turbidity (Field) NTU
MW-100	W100211014-	10/14/2021	6.91	246.7	10.93	5.5	0.22	134.3	12.0
MW-101	W101211018-	10/18/2021	6.22	463.6	11.53	2.5	6.22	398.3	2.0
MW-103	W103211020-	10/20/2021	8.09	239.3	10.71	4.3	2.40	211.8	187.0
MW-105	W105211014-	10/14/2021	-	216.3	-	-	-	-	-
MW-107	W107211020-	10/20/2021	5.29	164.3	12.73	1.0	0.88	167.3	1.0
MW-110	W110211021-	10/21/2021	6.37	646.6	15.60	5.1	0.17	340.5	0.7
MW-113	W113211013-	10/13/2021	7.25	370.8	10.47	5.0	0.05	-62.0	0.4
MW-114	W114211012-	10/12/2021	6.97	267.6	9.52	2.5	4.91	435.9	0.3
MW-115	W115211013-	10/13/2021	6.51	271.0	9.73	4.0	3.33	455.4	0.5
MW-21	W21-211005-	10/5/2021	7.45	137.9	9.44	3.8	0.82	-144.7	2.7
MW-24	W24-211012-	10/12/2021	7.22	172.1	9.50	4.5	0.92	-73.4	0.5
MW-30A	W30A211018-	10/18/2021	6.29	222.9	12.95	9.2	-	-	5.4
MW-47	W47-211018-	10/18/2021	6.81	886.0	10.93	26.0	5.97	207.6	1.4
MW-56	W56-211005-	10/5/2021	6.62	245.5	9.42	30.0	-	-	0.8
MW-59	W59-211013-	10/13/2021	6.66	22.7	9.78	2.3	0.88	-16.7	1.3
MW-64	W64-211011-	10/11/2021	6.79	174.4	12.07	6.3	1.43	81.7	7.4
MW-65	W65-211014-	10/14/2021	6.72	121.2	9.60	5.3	0.91	-21.4	12.3
MW-66	W66-211011-	10/11/2021	6.92	191.9	9.58	4.5	5.68	303.1	1.1
MW-67	W67-211022-	10/22/2021	7.06	309.2	9.95	2.8	2.32	102.7	135.0
MW-68	W68-211019-	10/19/2021	6.83	224.9	10.47	4.3	0.79	25.2	10.6
MW-72	W72-211012-	10/12/2021	6.89	315.2	9.91	6.0	1.06	5.3	9.1
MW-73	W73-211011-	10/11/2021	6.66	126.7	9.00	3.8	9.91	342.5	7.4
MW-74R	W74R211012-	10/12/2021	6.84	428.3	10.32	3.6	6.45	216.0	0.3
MW-75	W75-211012-	10/12/2021	6.99	322.4	9.67	4.8	0.73	10.1	0.9
MW-76	W76-211013-	10/13/2021	6.19	264.7	9.68	4.8	4.38	441.3	0.4
MW-80	W80-211020-	10/20/2021	6.88	258.0	10.09	5.3	0.80	-55.1	1.1
MW-80	W80-211020D	10/20/2021	6.88	258.0	10.09	5.3	0.80	-55.1	1.1
MW-81	W81-211006-	10/6/2021	7.15	156.2	9.93	2.5	5.79	441.2	0.5
MW-82	W82-211012-	10/12/2021	6.84	283.2	9.73	5.8	6.29	408.1	1.5
MW-83	W83-211014-	10/14/2021	6.49	556.4	11.01	4.8	0.79	125.6	0.5
MW-84	W84-211006-	10/6/2021	7.01	191.9	9.71	3.5	1.69	441.7	0.3
MW-85	W85-211006-	10/6/2021	6.96	352.6	9.69	3.0	3.26	456.9	0.2
MW-85	W85-211006D	10/6/2021	6.96	352.6	9.69	3.0	3.26	456.9	0.2
MW-86	W86-211006-	10/6/2021	6.87	187.8	9.20	5.5	1.35	74.2	0.9
MW-87	W87-211013-	10/13/2021	6.62	496.8	10.34	4.0	1.33	32.7	16.8
MW-88	W88-211013-	10/13/2021	6.95	122.0	9.01	5.5	4.96	228.6	0.9
MW-89	W89-211013-	10/13/2021	7.13	235.2	9.34	5.5	1.23	10.4	11.2
MW-93	W93-211011-	10/11/2021	7.08	263.1	11.37	4.0	1.42	165.7	0.5
MW-94	W94-211014-	10/14/2021	6.55	342.6	10.08	3.3	3.88	480.1	0.5
MW-95	W95-211012-	10/12/2021	7.12	214.1	9.08	6.0	0.91	252.1	0.8

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Conventional Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Alkalinity, Total ($CaCO_3$) (mg/L)	Ammonia, (NH_3) (mg/L)	Chloride (mg/L)	Cyanide (mg/L)	Nitrate-Nitrogen, (NO_3 as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO4) (mg/L)
MW-21	W21-211005-	10/5/2021	61.8	0.0375	2.32		0.01 U	144	6.4
MW-24	W24-211012-	10/12/2021	68.4	0.0387	6.46		0.01 U	181	11.3
MW-30A	W30A211018-	10/18/2021	110	0.002 U	4.9	0.002 U	4.32	283	11.5
MW-47	W47-211018-	10/18/2021	515	0.0692	8.65	0.002 SU	0.01 U	958	11.8
MW-56	W56-211005-	10/5/2021	88.2	0.0027 T	23.9		0.032 T	270	9.31
MW-59	W59-211013-	10/13/2021	81.9	0.0066 T	13.3		0.01 U	239	16.9
MW-64	W64-211011-	10/11/2021	95	0.0318	2.88		0.01 U	215	10.6
MW-65	W65-211014-	10/14/2021	52.4	0.0056 T	6.45		0.01 U	142	8.79
MW-66	W66-211011-	10/11/2021	84.1	0.002 U	4.26		0.455	210	13.3
MW-67	W67-211022-	10/22/2021	169	0.012	5.22		0.0627	381	26.4
MW-68	W68-211019-	10/19/2021	124	0.0177	3.13		0.01 U	276	15
MW-72	W72-211012-	10/12/2021	130	0.0168	8.02		0.01 U	339	32.9
MW-73	W73-211011-	10/11/2021	51.3	0.002 U	2.4		1.2	137	7.43
MW-74R	W74R211012-	10/12/2021	212	0.002 U	24.3		0.43	528	32.3
MW-75	W75-211012-	10/12/2021	118	0.0095 T	12.9		0.01 U	396	64.4
MW-76	W76-211013-	10/13/2021	87.1	0.002 U	24.9		1.16	290	15.2
MW-80	W80-211020-	10/20/2021	124	0.0099 T	4.86		0.01 U	312	29.5
MW-80	W80-211020D	10/20/2021	124	0.0099 T	4.66		0.01 U	313	29.4
MW-81	W81-211006-	10/6/2021	58.4	0.002 U	5.09		1.53	171	11.2
MW-82	W82-211012-	10/12/2021	126	0.0022 T	10.6		0.843	313	15.5
MW-83	W83-211014-	10/14/2021	240	0.0022 T	67.3		1.71	682	11.8
MW-84	W84-211006-	10/6/2021	81.2	0.002 U	4.52		0.185	210	15.3
MW-85	W85-211006-	10/6/2021	155	0.002 U	9.87		0.117	386	31.6
MW-85	W85-211006D	10/6/2021	155	0.002 U	9.9		0.116	386	31.5
MW-86	W86-211006-	10/6/2021	72.4	0.002 U	4.25		0.01 U	203	20.4
MW-87	W87-211013-	10/13/2021	120	0.0171	18.1		0.011 T	538	132
MW-88	W88-211013-	10/13/2021	53.4	0.002 U	1.93		0.856	133	7.01
MW-89	W89-211013-	10/13/2021	86.8	0.0209	11.2		0.01 U	252	22.5
MW-93	W93-211011-	10/11/2021	123	0.0499	2.74		0.022 T	322	38.4
MW-94	W94-211014-	10/14/2021	137	0.0027 T	27.8		0.596	373	6.65
MW-95	W95-211012-	10/12/2021	90.6	0.0235	7.8		0.01 U	234	15.9
MW-100	W100211014-	10/14/2021	118	0.0083 T	2.85		0.01 U	268	16.9

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Conventional Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Alkalinity, Total ($CaCO_3$) (mg/L)	Ammonia, (NH_3) (mg/L)	Chloride (mg/L)	Cyanide (mg/L)	Nitrate-Nitrogen, (NO_3 as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO4) (mg/L)
MW-101	W101211018-	10/18/2021	271	0.0047 T	2.56	0.002 U	0.0591	501	3.14
MW-103	W103211020-	10/20/2021	113	0.0148	4.88		0.034 T	262	14.9
MW-107	W107211020-	10/20/2021	84.3	0.69	7.13		0.0432	221	9.21
MW-110	W110211021-	10/21/2021	393	0.0289	1.91		0.01 U	713	3.62
MW-113	W113211013-	10/13/2021	148	0.0141	33.3		0.01 U	402	10.5
MW-114	W114211012-	10/12/2021	101	0.0026 T	20.1		1.73	291	7.52
MW-115	W115211013-	10/13/2021	101	0.002 U	23.1		0.603	296	9.76

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Conventional Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Sulfide (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-21	W21-211005-	10/5/2021		87.3	0.5 U	90.7	1.8 T
MW-24	W24-211012-	10/12/2021		109	0.5 U	107	2.53
MW-30A	W30A211018-	10/18/2021	0.01 U	183	0.97 T	189	0.9 T
MW-47	W47-211018-	10/18/2021	0.01 U	569	4.02	583	11.2
MW-56	W56-211005-	10/5/2021		154	0.98 T	161	0.5 U
MW-59	W59-211013-	10/13/2021		145	0.59 T	140	2.3
MW-64	W64-211011-	10/11/2021		123	0.5 U	127	8.2
MW-65	W65-211014-	10/14/2021		89.3	0.5 T	88.7	3.2
MW-66	W66-211011-	10/11/2021		123	0.5 U	129	0.5 U
MW-67	W67-211022-	10/22/2021		223	0.5 U	250	20.8
MW-68	W68-211019-	10/19/2021		156	0.5 U	160	3.6
MW-72	W72-211012-	10/12/2021		199	0.52 T	207	7.09
MW-73	W73-211011-	10/11/2021		94	0.5 U	107	13.8
MW-74R	W74R211012-	10/12/2021		296	0.54 T	301	0.5 U
MW-75	W75-211012-	10/12/2021		247	0.52 T	254	2.3
MW-76	W76-211013-	10/13/2021		167	2.15	163	0.5 U
MW-80	W80-211020-	10/20/2021		191	0.5 U	193	1.6
MW-80	W80-211020D	10/20/2021		189	0.51 T	196	0.9 T
MW-81	W81-211006-	10/6/2021		111	0.5 U	113	0.5 U
MW-82	W82-211012-	10/12/2021		189	0.63 T	187	5
MW-83	W83-211014-	10/14/2021		401	5.79	419	0.5 U
MW-84	W84-211006-	10/6/2021		123	0.5 U	126	0.5 U
MW-85	W85-211006-	10/6/2021		229	0.5 U	236	0.5 U
MW-85	W85-211006D	10/6/2021		223	0.5 U	228	0.51 U
MW-86	W86-211006-	10/6/2021		127	0.5 U	129	1.4 T
MW-87	W87-211013-	10/13/2021		362	0.51 T	371	11.6
MW-88	W88-211013-	10/13/2021		82	0.5 U	81.3	0.5 U
MW-89	W89-211013-	10/13/2021		151	0.5 T	155	6.5
MW-93	W93-211011-	10/11/2021		201	0.5 U	202	0.5 U
MW-94	W94-211014-	10/14/2021		217	2.89	225	0.51 U
MW-95	W95-211012-	10/12/2021		136	0.5 U	137	0.5 U
MW-100	W100211014-	10/14/2021		153	0.5 U	154	4

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Conventional Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Sulfide (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-101	W101211018-	10/18/2021	0.01 U	261	4.51	271	6.1
MW-103	W103211020-	10/20/2021		176	1.85	324	180
MW-107	W107211020-	10/20/2021		128	4.95	127	4.6
MW-110	W110211021-	10/21/2021		411	2.91	436	0.5 U
MW-113	W113211013-	10/13/2021		232	1.73	226	1.9
MW-114	W114211012-	10/12/2021		171	0.81 T	172	0.5 U
MW-115	W115211013-	10/13/2021		173	1.07	181	0.5 U

See Data Qualifier List for Qualifier Information

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Metals Data
Contact Person: Natalya Usova (206) 263-0608

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)
MW-21	W21-211005-	10/5/2021	0.0003 U	0.0003 U	0.00106	0.00112	0.00535 D	0.00536	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-24	W24-211012-	10/12/2021	0.0003 U	0.0003 U	0.000581	0.000558	0.00213	0.00211	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-30A	W30A211018	10/18/2021	0.0003 U	0.0003 U	0.000479	0.000535	0.0042	0.00533	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-47	W47-211018-	10/18/2021	0.0003 U	0.0003 U	0.000516	0.000529	0.032	0.033	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-56	W56-211005-	10/5/2021	0.0003 U	0.0003 U	0.0000696	0.0000794	0.00538 D	0.00548	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-59	W59-211013-	10/13/2021	0.0003 U	0.0003 U	0.000453	0.000468	0.00464	0.00459	0.0001 DU	0.0001 U	0.00005 U	0.00005 U
MW-64	W64-211011-	10/11/2021	0.0003 U	0.0003 U	0.000887	0.00174	0.00715	0.0106	0.0001 U	0.0001 U	0.00005 U	0.0000846
MW-65	W65-211014-	10/14/2021	0.0003 U	0.0003 U	0.000384	0.00072	0.00587	0.00606	0.0001 DU	0.0001 U	0.00005 U	0.00005 U
MW-66	W66-211011-	10/11/2021	0.0003 U	0.0003 U	0.000707	0.000718	0.00399	0.00389	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-67	W67-211022-	10/22/2021	0.0003 U	0.0003 U	4.22E-04	0.00501	0.0133	0.0205	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-68	W68-211019-	10/19/2021	0.0003 U	0.0003 U	0.00863	0.0486	0.0107	0.0118	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-72	W72-211012-	10/12/2021	0.0003 U	0.0003 U	0.0000754	0.000116	0.0115	0.0129	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-73	W73-211011-	10/11/2021	0.0003 U	0.0003 U	0.000721	0.000786	0.00271	0.00441	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-74R	W74R211012	10/12/2021	0.0003 U	0.0003 U	0.000397	0.000424	0.0122	0.0127	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-75	W75-211012-	10/12/2021	0.0003 U	0.0003 U	0.000448	0.000463	0.0141	0.014	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-76	W76-211013-	10/13/2021	0.0003 U	0.0003 U	0.000234	0.000228	0.00471	0.00476	0.0001 DU	0.0001 U	0.00005 U	0.00005 U
MW-80	W80-211020-	10/20/2021	0.0003 U	0.0003 U	0.00315	0.0032	0.0148	0.0156	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-80	W80-211020D	10/20/2021	0.0003 U	0.0003 U	0.00305	0.00315	0.0147	0.0149	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-81	W81-211006-	10/6/2021	0.0003 U	0.0003 U	0.00057	0.000574	0.00319 D	0.00334	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-82	W82-211012-	10/12/2021	0.0003 U	0.0003 U	0.000263	0.00028	0.00121	0.00156	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-83	W83-211014-	10/14/2021	0.0003 U	0.0003 U	0.0004	0.000395	0.0116	0.0115	0.0001 DU	0.0001 U	0.00005 U	0.00005 U
MW-84	W84-211006-	10/6/2021	0.0003 U	0.0003 U	0.000322	0.000348	0.0051 D	0.00513	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-85	W85-211006-	10/6/2021	0.0003 U	0.0003 U	0.000747	0.000756	0.0076 D	0.00761	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-85	W85-211006D	10/6/2021	0.0003 U	0.0003 U	0.000741	0.00076	0.00738 D	0.00761	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-86	W86-211006-	10/6/2021	0.0003 U	0.0003 U	0.000742	0.000873	0.00558 D	0.00587	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-87	W87-211013-	10/13/2021	0.0003 U	0.0003 U	0.000682	0.00327	0.0261	0.0282	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-88	W88-211013-	10/13/2021	0.0003 U	0.0003 U	0.00111	0.00112	0.00213	0.00216	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-89	W89-211013-	10/13/2021	0.0003 U	0.0003 U	0.000819	0.00171	0.00813	0.00932	0.0001 DU	0.0001 U	0.00005 U	0.00005 U
MW-93	W93-211011-	10/11/2021	0.0003 U	0.0003 U	0.00149	0.00152	0.00773	0.00842	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-94	W94-211014-	10/14/2021	0.0003 U	0.0003 U	0.00014	0.000143	0.00268	0.0026	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-95	W95-211012-	10/12/2021	0.0003 U	0.0003 U	0.00104	0.00105	0.00463	0.00452	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-100	W100211014-	10/14/2021	0.0003 U	0.0003 U	0.00045	0.00147	0.00552	0.00566	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-101	W101211018-	10/18/2021	0.0003 U	0.0003 U	0.00869	0.011	0.0179	0.0183	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-103	W103211020-	10/20/2021	0.0003 U	0.000386	0.0086	0.0109	0.0106	0.0712	0.0001 U	0.000357	0.00005 U	0.000129
MW-107	W107211020-	10/20/2021	0.0003 U	0.0003 U	0.00328	0.00315	0.0133	0.0142	0.0001 U	0.0001 U	0.000245	0.000261
MW-110	W110211021-	10/21/2021	0.0003 U	0.0003 U	0.00263	0.00251	0.0312	0.0314	0.0001 U	0.0001 U	0.000123	0.000143
MW-113	W113211013-	10/13/2021	0.0003 U	0.0003 U	0.000544	0.000556	0.00269	0.00267	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-114	W114211012-	10/12/2021	0.0003 U	0.0003 U	0.000287	0.000284	0.00179	0.0018	0.0001 U	0.0001 U	0.00005 U	0.00005 U
MW-115	W115211013-	10/13/2021	0.0003 U	0.0003 U	0.000231	0.000237	0.00112	0.00114	0.0001 U	0.0001 U	0.00005 U	0.00005 U

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Metals Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Calcium Dissolved (mg/L)	Calcium Total (mg/L)	Chromium Dissolved (mg/L)	Chromium Total (mg/L)	Cobalt Dissolved (mg/L)	Cobalt Total (mg/L)	Copper Dissolved (mg/L)	Copper Total (mg/L)	Iron Dissolved (mg/L)	Iron Total (mg/L)
MW-21	W21-211005-	10/5/2021	12.8 D	13.3	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	2.44	2.7
MW-24	W24-211012-	10/12/2021	15	15	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	3.57	3.51
MW-30A	W30A211018	10/18/2021	24.6	24.5	0.000685	0.00101	0.00005 U	0.0000964	0.000413	0.00073	0.01 U	0.216
MW-47	W47-211018-	10/18/2021	119	121	0.0002 U	0.000366	0.00035	0.000359	0.000366	0.000431	0.0286	0.0847
MW-56	W56-211005-	10/5/2021	26 D	26.2	0.0002 U	0.0002 U	0.000131	0.000144	0.000206	0.000333	0.0324	0.0529
MW-59	W59-211013-	10/13/2021	20.5	20.3	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	5.18	5.03
MW-64	W64-211011-	10/11/2021	18.9	18.6	0.0002 U	0.0002 U	0.000124	0.00096	0.0002 U	0.000297	0.0625	0.354
MW-65	W65-211014-	10/14/2021	12.2	11.9	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.000204	0.0002 U	3.19	4.13
MW-66	W66-211011-	10/11/2021	16.7	16.7	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-67	W67-211022-	10/22/2021	38.9	40.1	0.0002 U	0.000264	0.000119	0.000434	0.0002 U	0.000659	0.464	6.21
MW-68	W68-211019-	10/19/2021	27.3	27.2	0.0002 U	0.0002 U	2.07E-04	0.000224	0.0002 U	0.00182	0.47	1.4
MW-72	W72-211012-	10/12/2021	31.6	32.2	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.00035	2.66	3.85
MW-73	W73-211011-	10/11/2021	12.4	12.9	0.000222	6.20E-04	0.00005 U	0.000132	0.000204	0.000408	0.01 U	0.203
MW-74R	W74R211012	10/12/2021	46.5	48.1	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.000218	0.000284	0.01 U	0.0172
MW-75	W75-211012-	10/12/2021	34.9	34.1	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	2.7	2.72
MW-76	W76-211013-	10/13/2021	27.1	27.4	0.000327	0.000314	0.0000625	0.0000617	0.00141	0.00135	0.01 U	0.01 U
MW-80	W80-211020-	10/20/2021	32.4	32.7	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	2.17	2.03
MW-80	W80-211020D	10/20/2021	32	31.6	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	2.13	2.05
MW-81	W81-211006-	10/6/2021	14.8 D	15.5	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-82	W82-211012-	10/12/2021	29.6	29.5	0.0002 U	0.00133	0.00005 U	0.00005 U	0.000262	0.000298	0.01 U	0.0696
MW-83	W83-211014-	10/14/2021	76.8	76.3	0.000278	0.000348	0.000284	0.00028	0.00365	0.00372	0.01 U	0.01 U
MW-84	W84-211006-	10/6/2021	16.8 D	17.4	0.0002 U	0.0002 U	0.00005 U	0.0000527	0.0002 U	0.000292	0.01 U	0.0229
MW-85	W85-211006-	10/6/2021	36.8 D	38.3	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.000331	0.01 U	0.01 U
MW-85	W85-211006D	10/6/2021	36.6 D	38.7	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-86	W86-211006-	10/6/2021	16.5 D	17	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.00225	0.00434	0.887	0.977
MW-87	W87-211013-	10/13/2021	50.1	49.2	0.0002 U	0.0002 U	0.000167	0.000171	0.0002 U	0.000238	4.81	7.42
MW-88	W88-211013-	10/13/2021	9.93	9.92	0.000642	0.000673	0.00005 U	0.00005 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-89	W89-211013-	10/13/2021	20.5	20.1	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.000892	1.36	2.74
MW-93	W93-211011-	10/11/2021	33	33.4	0.0002 U	0.0002 U	5.87E-05	1.67E-04	0.0002 U	0.000396	0.01 U	0.0382
MW-94	W94-211014-	10/14/2021	39.7	39.5	0.0002 U	0.0002 U	1.04E-04	1.09E-04	0.00123	0.00125	0.01 U	0.01 U
MW-95	W95-211012-	10/12/2021	23	23	0.0002 U	0.0002 U	7.10E-05	6.94E-05	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-100	W100211014-	10/14/2021	25.6	25.3	0.0002 U	0.0002 U	0.000185	0.0002	0.0002 U	0.0002 U	0.652	1.87
MW-101	W101211018-	10/18/2021	46.6	49.7	0.0002 U	6.60E-04	2.87E-04	0.000291	0.0002 U	0.0002 U	0.657	0.67
MW-103	W103211020-	10/20/2021	26.3	27.1	0.0002 U	1.52E-02	0.00005 U	0.00562	0.000927	0.0246	0.01 U	6.34
MW-107	W107211020-	10/20/2021	21.6	21.9	0.00044	0.000415	0.00356	0.00364	0.00338	0.00595	1.77	1.67
MW-110	W110211021-	10/21/2021	79.3	76.8	0.0002 U	0.0002 U	0.0014	0.00136	0.00054	0.00155	0.048	0.0545
MW-113	W113211013-	10/13/2021	39.5	39.2	0.0002 U	0.0002 U	0.0000525	0.0000542	0.0002 U	0.0002 U	1.46	1.47
MW-114	W114211012-	10/12/2021	29.1	29.6	0.0002 U	0.000238	0.000191	0.000331	0.0002 U	0.0002 U	0.01 U	0.012
MW-115	W115211013-	10/13/2021	31.5	30.7	0.0002 U	0.0002 U	0.0000673	0.0000854	0.00025	0.000272	0.01 U	0.0151

See Data Qualifier List for Qualifier In

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Metals Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Lead Dissolved (mg/L)	Lead Total (mg/L)	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Manganese Dissolved (mg/L)	Manganese Total (mg/L)	Mercury Dissolved (mg/L)	Mercury Total (mg/L)	Nickel Dissolved (mg/L)
MW-21	W21-211005-	10/5/2021	0.0001 U	0.0001 U	6.97	7.16	0.0942	0.105	0.00005 U	0.00005 U	0.000104
MW-24	W24-211012-	10/12/2021	0.0001 U	0.0001 U	9.65	9.73	0.114	0.113	0.00005 U	0.00005 U	0.000143
MW-30A	W30A211018	10/18/2021	0.0001 U	0.000113	14.3	15.4	0.000169	0.00235	0.00005 U	0.00005 U	0.00101
MW-47	W47-211018-	10/18/2021	0.0001 U	0.000111	57.2	58.4	1.04	1.05	0.00005 U	0.00005 U	0.00159
MW-56	W56-211005-	10/5/2021	0.0001 U	0.0001 U	13.8	13.7	0.21	0.227	0.00005 U	0.00005 U	0.00121
MW-59	W59-211013-	10/13/2021	0.0001 U	0.0001 U	13.1	12.5	0.142	0.139	0.00005 U	0.00005 U	0.000159
MW-64	W64-211011-	10/11/2021	0.0001 U	0.0001 U	12.9	12.4	0.132	0.813	0.00005 U	0.00005 U	0.000476
MW-65	W65-211014-	10/14/2021	0.0001 U	0.0001 U	7.41	6.97	0.146	0.168	0.00005 U	0.00005 U	0.000364
MW-66	W66-211011-	10/11/2021	0.0001 U	0.0001 U	12.6	12.5	0.0001 U	0.00012	0.00005 U	0.00005 U	0.00019
MW-67	W67-211022-	10/22/2021	0.0001 U	0.000129	21.2	21.2	0.258	0.935	0.00005 U	0.00005 U	0.000262
MW-68	W68-211019-	10/19/2021	0.0001 U	0.0001 U	14.3	14.3	0.277	0.265	0.00005 U	0.00005 U	0.000408
MW-72	W72-211012-	10/12/2021	0.0001 U	0.0001 U	19.3	19.4	0.353	0.369	0.00005 U	0.00005 U	0.000129
MW-73	W73-211011-	10/11/2021	0.0001 U	0.000422	6.12	6.36	0.0001 U	0.0112	0.00005 U	0.00005 U	0.0004
MW-74R	W74R211012	10/12/2021	0.0001 U	0.0001 U	35.3	35.6	0.0001 U	0.00024	0.00005 U	0.00005 U	0.00105
MW-75	W75-211012-	10/12/2021	0.0001 U	0.0001 U	23.9	24.2	0.251	0.242	0.00005 U	0.00005 U	0.0001 U
MW-76	W76-211013-	10/13/2021	0.0001 U	0.0001 U	12.6	12.4	0.0001 U	0.000186	0.00005 U	0.00005 U	0.000547
MW-80	W80-211020-	10/20/2021	0.0001 U	0.0001 U	16.3	16.1	0.346	0.323	0.00005 U	0.00005 U	0.0001 U
MW-80	W80-211020D	10/20/2021	0.0001 U	0.0001 U	15.6	15.7	0.336	0.322	0.00005 U	0.00005 U	0.0001 U
MW-81	W81-211006-	10/6/2021	0.0001 U	0.0001 U	8.23	8.31	0.0001 U	0.000294	0.00005 U	0.00005 U	0.000168
MW-82	W82-211012-	10/12/2021	0.0001 U	0.0001 U	17.1	17.5	0.0001 U	0.00101	0.00005 U	0.00005 U	0.000675
MW-83	W83-211014-	10/14/2021	0.0001 U	0.0001 U	32.1	32.2	0.00591	0.0158	0.00005 U	0.00005 U	0.00212
MW-84	W84-211006-	10/6/2021	0.0001 U	0.0001 U	12.7	12.6	0.000733	0.00343	0.00005 U	0.00005 U	0.000444
MW-85	W85-211006-	10/6/2021	0.0001 U	0.0001 U	23.2	22.9	0.000341	0.000551	0.00005 U	0.00005 U	0.000244
MW-85	W85-211006D	10/6/2021	0.0001 U	0.0001 U	22.7	23.4	0.000374	0.000515	0.00005 U	0.00005 U	0.000249
MW-86	W86-211006-	10/6/2021	0.0001 U	0.0001 U	11.6	11.5	0.0125	0.0133	0.00005 U	0.00005 U	0.000111
MW-87	W87-211013-	10/13/2021	0.0001 U	0.0001 U	34	34.2	0.499	0.504	0.00005 U	0.00005 U	0.000237
MW-88	W88-211013-	10/13/2021	0.0001 U	0.0001 U	7.61	7.68	0.0001 U	0.0001 U	0.00005 U	0.00005 U	0.000137
MW-89	W89-211013-	10/13/2021	0.0001 U	0.0001 U	15	14.5	0.349	0.406	0.00005 U	0.00005 U	0.00014
MW-93	W93-211011-	10/11/2021	0.0001 U	0.0001 U	16.4	17	0.14	0.197	0.00005 U	0.00005 U	0.000266
MW-94	W94-211014-	10/14/2021	0.0001 U	0.0001 U	17.8	17.5	0.000171	0.000267	0.00005 U	0.00005 U	0.000631
MW-95	W95-211012-	10/12/2021	0.0001 U	0.0001 U	12.2	12.4	0.174	0.175	0.00005 U	0.00005 U	0.000244
MW-100	W100211014-	10/14/2021	0.0001 U	0.0001 U	16	15.1	0.115	0.115	0.00005 U	0.00005 U	0.000534
MW-101	W101211018-	10/18/2021	0.0001 U	0.0001 U	27.4	30.8	0.963	1.15	0.00005 U	0.00005 U	0.00332
MW-103	W103211020-	10/20/2021	0.0001 U	0.00796	11	12.3	0.000535	0.998	0.00005 U	0.00005 U	0.000211
MW-107	W107211020-	10/20/2021	0.0001 U	0.0001 U	6.41	6.45	2.76	2.58	0.00005 U	0.00005 U	0.00721
MW-110	W110211021-	10/21/2021	0.0001 U	0.0001 U	38.2	37.7	3.15	2.86	0.00005 U	0.00005 U	0.00729
MW-113	W113211013-	10/13/2021	0.0001 U	0.0001 U	22.4	22.5	0.463	0.456	0.00005 U	0.00005 U	0.000297
MW-114	W114211012-	10/12/2021	0.0001 U	0.0001 U	14.2	14.4	0.000179	0.00122	0.00005 U	0.00005 U	0.000352
MW-115	W115211013-	10/13/2021	0.0001 U	0.0001 U	13.9	13.3	0.00609	0.00647	0.00005 U	0.00005 U	0.000451

See Data Qualifier List for Qualifier In

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Metals Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Nickel Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Selenium Dissolved (mg/L)	Selenium Total (mg/L)	Silver Dissolved (mg/L)	Silver Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Thallium Dissolved (mg/L)
MW-21	W21-211005-	10/5/2021	0.000169	1.09	1.17	0.0005 DU	0.0005 U	0.00004 U	0.00004 U	5.84	5.93	0.000075 U
MW-24	W24-211012-	10/12/2021	0.000166	0.959	0.979	0.0005 U	0.0005 U	0.00004 U	0.00004 U	5.68	5.87	0.000075 U
MW-30A	W30A211018	10/18/2021	0.00125	1.53	1.53	0.0005 U	0.0005 U	0.00004 U	0.00004 U	11	11.4	0.000075 U
MW-47	W47-211018-	10/18/2021	0.00167	5.37	5.44	0.0005 U	0.0005 U	0.00004 U	0.00004 U	16.6	17	0.000075 U
MW-56	W56-211005-	10/5/2021	0.00187	1.34	1.46	0.0005 DU	0.0005 U	0.00004 U	0.00004 U	6.84	6.57	0.000075 U
MW-59	W59-211013-	10/13/2021	0.000152	1.3	1.26	0.0005 U	0.0005 U	0.00004 U	0.00004 U	6.93	6.73	0.000075 U
MW-64	W64-211011-	10/11/2021	0.00233	1.55	1.53	0.0005 U	0.0005 U	0.00004 U	0.00004 U	7.37	6.94	0.000075 U
MW-65	W65-211014-	10/14/2021	0.000142	0.96	0.928	0.0005 U	0.0005 U	0.00004 U	0.00004 U	5.43	5.25	0.000075 U
MW-66	W66-211011-	10/11/2021	0.000224	1.14	1.15	0.000992	0.000969	0.00004 U	0.00004 U	7.09	7.02	0.000075 U
MW-67	W67-211022-	10/22/2021	0.000749	1.79	1.86	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.15	8.71	0.000075 U
MW-68	W68-211019-	10/19/2021	0.000511	1.63	1.68	0.0005 U	0.0005 U	0.00004 U	0.00004 U	8.42	7.79	0.000075 U
MW-72	W72-211012-	10/12/2021	0.000202	1.99	1.98	0.0005 U	0.0005 U	0.00004 U	0.00004 U	8.29	8.37	0.000075 U
MW-73	W73-211011-	10/11/2021	0.000735	0.812	0.877	0.000506	0.000506	0.00004 U	0.00004 U	5.69	5.65	0.000075 U
MW-74R	W74R211012	10/12/2021	0.000949	2.18	2.2	0.000574	0.000619	0.00004 U	0.00004 U	12.3	12.3	0.000075 U
MW-75	W75-211012-	10/12/2021	0.0001 U	2.04	2.1	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.21	9.21	0.000075 U
MW-76	W76-211013-	10/13/2021	0.000556	1.65	1.64	0.0005 U	0.0005 U	0.00004 U	0.00004 U	12.4	12.1	0.000075 U
MW-80	W80-211020-	10/20/2021	0.000109	1.67	1.72	0.0005 U	0.0005 U	0.00004 U	0.00004 U	7.67	7.34	0.000075 U
MW-80	W80-211020D	10/20/2021	0.000111	1.65	1.71	0.0005 U	0.0005 U	0.00004 U	0.00004 U	7.54	7.18	0.000075 U
MW-81	W81-211006-	10/6/2021	0.000161	0.857	0.924	0.000851 D	0.000868	0.00004 U	0.00004 U	6.73	6.71	0.000075 U
MW-82	W82-211012-	10/12/2021	0.0028	1.91	1.97	0.0005 U	0.0005 U	0.00004 U	0.00004 U	8.07	8.19	0.000075 U
MW-83	W83-211014-	10/14/2021	0.00218	4.03	4.06	0.0005 U	0.0005 U	0.00004 U	0.00004 U	15.5	15.6	0.000075 U
MW-84	W84-211006-	10/6/2021	0.000817	1.18	1.27	0.000714 D	0.00066	0.00004 U	0.00004 U	7.21	7.03	0.000075 U
MW-85	W85-211006-	10/6/2021	0.000477	1.72	1.87	0.000901 D	0.000852	0.00004 U	0.00004 U	10	9.75	0.000075 U
MW-85	W85-211006D	10/6/2021	0.000259	1.73	1.91	0.000858 D	0.000889	0.00004 U	0.00004 U	9.96	9.83	0.000075 U
MW-86	W86-211006-	10/6/2021	0.000155	1.29	1.39	0.0005 DU	0.0005 U	0.00004 U	0.00004 U	7.21	6.82	0.000075 U
MW-87	W87-211013-	10/13/2021	0.000258	2.59	2.54	0.0005 U	0.0005 U	0.00004 U	0.00004 U	11.1	11.1	0.000075 U
MW-88	W88-211013-	10/13/2021	0.000158	0.872	0.879	0.0005 U	0.000561	0.00004 U	0.00004 U	6.04	5.87	0.000075 U
MW-89	W89-211013-	10/13/2021	0.00014	1.77	1.76	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.06	8.72	0.000075 U
MW-93	W93-211011-	10/11/2021	0.000409	1.6	1.59	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.33	9.42	0.000075 U
MW-94	W94-211014-	10/14/2021	0.000635	2.77	2.74	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.05	8.71	0.000075 U
MW-95	W95-211012-	10/12/2021	0.000238	1.32	1.3	0.0005 U	0.0005 U	0.00004 U	0.00004 U	6.36	6.54	0.000075 U
MW-100	W100211014-	10/14/2021	0.000449	1.77	1.73	0.0005 U	0.0005 U	0.00004 U	0.00004 U	8.9	8.32	0.000075 U
MW-101	W101211018-	10/18/2021	0.00367	2.53	2.59	0.0005 U	0.0005 U	0.00004 U	0.00004 U	16	17	0.000075 U
MW-103	W103211020-	10/20/2021	0.0126	2.75	3.57	0.0005 U	0.000649	0.00004 U	0.00004 U	10	9.47	0.000075 U
MW-107	W107211020-	10/20/2021	0.00705	2.59	2.64	0.0005 U	0.0005 U	0.00004 U	0.00004 U	5.24	4.95	0.000075 U
MW-110	W110211021-	10/21/2021	0.01	3.34	3.39	0.0005 U	0.0005 U	0.00004 U	0.00004 U	25.4	20.8	0.000075 U
MW-113	W113211013-	10/13/2021	0.000321	2.2	2.18	0.0005 U	0.0005 U	0.00004 U	0.00004 U	9.78	9.6	0.000075 U
MW-114	W114211012-	10/12/2021	0.000386	2.33	2.31	0.0005 U	0.0005 U	0.00004 U	0.00004 U	7.09	6.94	0.000075 U
MW-115	W115211013-	10/13/2021	0.00049	2.03	2	0.0005 U	0.0005 U	0.00004 U	0.00004 U	7.75	7.42	0.000075 U

See Data Qualifier List for Qualifier In

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Metals Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Thallium Total (mg/L)	Tin Dissolved (mg/L)	Tin Total (mg/L)	Vanadium Dissolved (mg/L)	Vanadium Total (mg/L)	Zinc Dissolved (mg/L)	Zinc Total (mg/L)
MW-21	W21-211005-	10/5/2021	0.000075 U			0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-24	W24-211012-	10/12/2021	0.000075 U			0.0000976	0.000124	0.0005 U	0.0005 U
MW-30A	W30A211018	10/18/2021	0.000075 U	0.0005 U	0.0005 U	0.00212	0.00241	0.0008	0.00121
MW-47	W47-211018-	10/18/2021	0.000075 U	0.0005 U	0.0005 U	0.00164	0.00167	0.000626	0.0005 U
MW-56	W56-211005-	10/5/2021	0.000075 U			0.000193	0.0002	0.00118	0.00127
MW-59	W59-211013-	10/13/2021	0.000075 U			0.000085	0.0000864	0.000669	0.000701
MW-64	W64-211011-	10/11/2021	0.000075 U			0.000265	0.000455	0.0005 U	0.000755
MW-65	W65-211014-	10/14/2021	0.000075 U			0.000075 U	0.000075 U	0.00106	0.0005 U
MW-66	W66-211011-	10/11/2021	0.000075 U			0.000796	0.000762	0.0005 U	0.0005 U
MW-67	W67-211022-	10/22/2021	0.000075 U			0.000201	0.00219 D	0.0005 U	0.00216
MW-68	W68-211019-	10/19/2021	0.000075 U			0.000234	0.00105 D	0.0005 U	0.0005 U
MW-72	W72-211012-	10/12/2021	0.000075 U			0.000106	0.000075 U	0.0005 U	0.00114
MW-73	W73-211011-	10/11/2021	0.000075 U			0.00123	0.00147	0.0005 U	0.000848
MW-74R	W74R211012	10/12/2021	0.000075 U			0.00071	0.000646	0.0005 U	0.0005 U
MW-75	W75-211012-	10/12/2021	0.000075 U			0.000075 U	0.0000888	0.001	0.0005 U
MW-76	W76-211013-	10/13/2021	0.000075 U			0.000709	0.000724	0.0019	0.0005 U
MW-80	W80-211020-	10/20/2021	0.000075 U			0.0000804	0.000075 DU	0.0005 U	0.000609
MW-80	W80-211020D	10/20/2021	0.000075 U			0.000075 U	0.000075 DU	0.0005 U	0.000552
MW-81	W81-211006-	10/6/2021	0.000075 U			0.00169	0.00173	0.000563	0.0005 U
MW-82	W82-211012-	10/12/2021	0.000075 U			0.00143	0.00148	0.0005 U	0.000507
MW-83	W83-211014-	10/14/2021	0.000075 U			0.000981	0.000964	0.0005 U	0.000507
MW-84	W84-211006-	10/6/2021	0.000075 U			0.000527	0.000632	0.00259	0.0036
MW-85	W85-211006-	10/6/2021	0.000075 U			0.000957	0.00103	0.0005 U	0.00106
MW-85	W85-211006D	10/6/2021	0.000075 U			0.000955	0.001	0.0005 U	0.000633
MW-86	W86-211006-	10/6/2021	0.000075 U			0.0000823	0.000153	0.00115	0.00117
MW-87	W87-211013-	10/13/2021	0.000075 U			0.000111	0.000765	0.000641	0.000908
MW-88	W88-211013-	10/13/2021	0.000075 U			0.00303	0.00298	0.0005 U	0.0005 U
MW-89	W89-211013-	10/13/2021	0.000075 U			0.000106	0.000253	0.00505	0.0124
MW-93	W93-211011-	10/11/2021	0.000075 U			0.00219	0.00238	0.00195	0.00462
MW-94	W94-211014-	10/14/2021	0.000075 U			0.00139	0.00139	0.0005 U	0.0005 U
MW-95	W95-211012-	10/12/2021	0.000075 U			0.000405	0.000413	0.0005 U	0.0005 U
MW-100	W100211014-	10/14/2021	0.000075 U			0.000151	0.0000919	0.000709 J	0.000568
MW-101	W101211018-	10/18/2021	0.000075 U	0.0005 U	0.0005 U	0.000434	0.000292	0.00061	0.000623
MW-103	W103211020-	10/20/2021	0.000075 U			0.00229	0.0149 D	0.000526	0.0236
MW-107	W107211020-	10/20/2021	0.000075 U			0.00085	0.000951 D	0.00337	0.00329
MW-110	W110211021-	10/21/2021	0.000075 U			0.00096	0.00115 D	0.000668	0.00418
MW-113	W113211013-	10/13/2021	0.000075 U			0.0000927	0.0000979	0.0005 U	0.0005 U
MW-114	W114211012-	10/12/2021	0.000075 U			0.000888	0.000923	0.0005 U	0.000502
MW-115	W115211013-	10/13/2021	0.000075 U			0.000624	0.000633	0.0005 U	0.0005 U

See Data Qualifier List for Qualifier In

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

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	1,1-Dichloropropene ug/l 563-58-6	1,2,3-Trichloropropane ug/l 96-18-4
MW-21	W21-211005-	10/5/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-24	W24-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-30A	W30A211018-	10/18/2021	0.25 U	0.1 U	0.1 U	0.1 U	1.72	0.1 U	0.1 U	0.1 U
MW-47	W47-211018-	10/18/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.403	0.1 U	0.1 U	0.1 U
MW-56	W56-211005-	10/5/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-59	W59-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-64	W64-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-65	W65-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-66	W66-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-67	W67-211022-	10/22/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-68	W68-211019-	10/19/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-73	W73-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-74R	W74R211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-75	W75-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-76	W76-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-80	W80-211020-	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	W80-211020D	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-82	W82-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-83	W83-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-84	W84-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-85	W85-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-85	W85-211006D	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-86	W86-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-87	W87-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-88	W88-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-89	W89-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-93	W93-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-94	W94-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-95	W95-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-100	W100211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-101	W101211018-	10/18/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.161 JT	0.1 U	0.1 U	0.1 U
MW-103	W103211020-	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107211020-	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-110	W110211021-	10/21/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.344	0.1 U	0.1 U	0.1 U
MW-113	W113211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-114	W114211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
MW-115	W115211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

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	1,2-Dichloropropane ug/l 78-87-5	1,3-Dichlorobenzene ug/l 541-73-1	1,3-Dichloropropane ug/l 142-28-9	1,4-Dichlorobenzene ug/l 106-46-7
MW-21	W21-211005-	10/5/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-24	W24-211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-30A	W30A211018-	10/18/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	W47-211018-	10/18/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-56	W56-211005-	10/5/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-59	W59-211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-64	W64-211011-	10/11/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-65	W65-211014-	10/14/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-66	W66-211011-	10/11/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-67	W67-211022-	10/22/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-68	W68-211019-	10/19/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-73	W73-211011-	10/11/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-74R	W74R211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-75	W75-211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-76	W76-211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-80	W80-211020-	10/20/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	W80-211020D	10/20/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-211006-	10/6/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-82	W82-211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-83	W83-211014-	10/14/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-84	W84-211006-	10/6/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-85	W85-211006-	10/6/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-85	W85-211006D	10/6/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-86	W86-211006-	10/6/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-87	W87-211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-88	W88-211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-89	W89-211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-93	W93-211011-	10/11/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-94	W94-211014-	10/14/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-95	W95-211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-100	W100211014-	10/14/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-101	W101211018-	10/18/2021	2.5 U	0.1 U	0.1 U	0.145 JT	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	W103211020-	10/20/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107211020-	10/20/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.325
MW-110	W110211021-	10/21/2021	2.5 U	0.1 U	1.18	0.356	0.294	0.1 U	0.1 U	0.246
MW-113	W113211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-114	W114211012-	10/12/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U
MW-115	W115211013-	10/13/2021	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U			0.1 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	2,2-Dichloropropane ug/l 594-20-7	2-Butanone ug/l 78-93-3	2-Hexanone ug/l 591-78-6	2-Methyl-1-Propanol ug/l 78-83-1	3-Chloropropene ug/l 107-05-1	4-Methyl-2-Pentanone ug/l 108-10-1	Acetone ug/l 67-64-1	Acetonitrile ug/l 75-05-8
MW-21	W21-211005-	10/5/2021		1 U	0.5 U			2.5 U	3.02 JT	
MW-24	W24-211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-30A	W30A211018-	10/18/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-47	W47-211018-	10/18/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-56	W56-211005-	10/5/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-59	W59-211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-64	W64-211011-	10/11/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-65	W65-211014-	10/14/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-66	W66-211011-	10/11/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-67	W67-211022-	10/22/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-68	W68-211019-	10/19/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-72	W72-211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-73	W73-211011-	10/11/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-74R	W74R211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-75	W75-211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-76	W76-211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-80	W80-211020-	10/20/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-80	W80-211020D	10/20/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-81	W81-211006-	10/6/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-82	W82-211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-83	W83-211014-	10/14/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-84	W84-211006-	10/6/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-85	W85-211006-	10/6/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-85	W85-211006D	10/6/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-86	W86-211006-	10/6/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-87	W87-211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-88	W88-211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-89	W89-211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-93	W93-211011-	10/11/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-94	W94-211014-	10/14/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-95	W95-211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-100	W100211014-	10/14/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-101	W101211018-	10/18/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-103	W103211020-	10/20/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-107	W107211020-	10/20/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-110	W110211021-	10/21/2021	0.1 U	0.25 U	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U
MW-113	W113211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-114	W114211012-	10/12/2021		1 U	0.5 U			2.5 U	2.5 U	
MW-115	W115211013-	10/13/2021		1 U	0.5 U			2.5 U	2.5 U	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Acrolein ug/l 107-02-8	Acrylonitrile ug/l 107-13-1	Benzene ug/l 71-43-2	Bromochloromethane ug/l 74-97-5	Bromodichloromethane ug/l 75-27-4	Bromoform ug/l 75-25-2	Bromomethane ug/l 74-83-9
MW-21	W21-211005-	10/5/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-24	W24-211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-30A	W30A211018-	10/18/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-47	W47-211018-	10/18/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-56	W56-211005-	10/5/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-59	W59-211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-64	W64-211011-	10/11/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-65	W65-211014-	10/14/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-66	W66-211011-	10/11/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-67	W67-211022-	10/22/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-68	W68-211019-	10/19/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-72	W72-211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-73	W73-211011-	10/11/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-74R	W74R211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-75	W75-211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-76	W76-211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-80	W80-211020-	10/20/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-80	W80-211020D	10/20/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-81	W81-211006-	10/6/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-82	W82-211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-83	W83-211014-	10/14/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-84	W84-211006-	10/6/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-85	W85-211006-	10/6/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-85	W85-211006D	10/6/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-86	W86-211006-	10/6/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-87	W87-211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-88	W88-211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-89	W89-211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-93	W93-211011-	10/11/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-94	W94-211014-	10/14/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-95	W95-211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-100	W100211014-	10/14/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-101	W101211018-	10/18/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-103	W103211020-	10/20/2021	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-107	W107211020-	10/20/2021	2.5 U	0.035 U	0.389	0.1 U	0.25 U	0.5 U	0.1 U
MW-110	W110211021-	10/21/2021	2.5 U	0.035 U	0.486	0.1 U	0.25 U	0.5 U	0.1 U
MW-113	W113211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-114	W114211012-	10/12/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U
MW-115	W115211013-	10/13/2021		0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Carbon Disulfide ug/l 75-15-0
MW-21	W21-211005-	10/5/2021	0.1 U
MW-24	W24-211012-	10/12/2021	0.1 U
MW-30A	W30A211018-	10/18/2021	0.1 U
MW-47	W47-211018-	10/18/2021	0.1 U
MW-56	W56-211005-	10/5/2021	0.1 U
MW-59	W59-211013-	10/13/2021	0.1 U
MW-64	W64-211011-	10/11/2021	0.1 U
MW-65	W65-211014-	10/14/2021	0.1 U
MW-66	W66-211011-	10/11/2021	0.1 U
MW-67	W67-211022-	10/22/2021	0.1 U
MW-68	W68-211019-	10/19/2021	0.1 U
MW-72	W72-211012-	10/12/2021	0.1 U
MW-73	W73-211011-	10/11/2021	0.1 U
MW-74R	W74R211012-	10/12/2021	0.1 U
MW-75	W75-211012-	10/12/2021	0.1 U
MW-76	W76-211013-	10/13/2021	0.1 U
MW-80	W80-211020-	10/20/2021	0.1 U
MW-80	W80-211020D	10/20/2021	0.1 U
MW-81	W81-211006-	10/6/2021	0.1 U
MW-82	W82-211012-	10/12/2021	0.1 U
MW-83	W83-211014-	10/14/2021	0.1 U
MW-84	W84-211006-	10/6/2021	0.1 U
MW-85	W85-211006-	10/6/2021	0.1 U
MW-85	W85-211006D	10/6/2021	0.1 U
MW-86	W86-211006-	10/6/2021	0.1 U
MW-87	W87-211013-	10/13/2021	0.1 U
MW-88	W88-211013-	10/13/2021	0.1 U
MW-89	W89-211013-	10/13/2021	0.1 U
MW-93	W93-211011-	10/11/2021	0.1 U
MW-94	W94-211014-	10/14/2021	0.1 U
MW-95	W95-211012-	10/12/2021	0.1 U
MW-100	W100211014-	10/14/2021	0.1 U
MW-101	W101211018-	10/18/2021	0.1 U
MW-103	W103211020-	10/20/2021	0.1 U
MW-107	W107211020-	10/20/2021	0.1 U
MW-110	W110211021-	10/21/2021	0.1 U
MW-113	W113211013-	10/13/2021	0.1 U
MW-114	W114211012-	10/12/2021	0.1 U
MW-115	W115211013-	10/13/2021	0.1 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Carbon Tetrachloride ug/l 56-23-5	Chlorobenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3	Chloroform ug/l 67-66-3	Chloromethane ug/l 74-87-3	Chloroprene ug/l 126-99-8	Cis-1,2-Dichloroethene ug/l 156-59-2
MW-21	W21-211005-	10/5/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-24	W24-211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-30A	W30A211018-	10/18/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	3.74
MW-47	W47-211018-	10/18/2021	0.25 U	0.1 U	0.5 U	0.175 JT	0.1 U	0.25 U	0.1 U	0.974
MW-56	W56-211005-	10/5/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		1.46
MW-59	W59-211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		1.27
MW-64	W64-211011-	10/11/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-65	W65-211014-	10/14/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-66	W66-211011-	10/11/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-67	W67-211022-	10/22/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-68	W68-211019-	10/19/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-72	W72-211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-73	W73-211011-	10/11/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-74R	W74R211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-75	W75-211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-76	W76-211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.139 JT
MW-80	W80-211020-	10/20/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-80	W80-211020D	10/20/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-81	W81-211006-	10/6/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-82	W82-211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-83	W83-211014-	10/14/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-84	W84-211006-	10/6/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-85	W85-211006-	10/6/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-85	W85-211006D	10/6/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-86	W86-211006-	10/6/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-87	W87-211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-88	W88-211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-89	W89-211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-93	W93-211011-	10/11/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-94	W94-211014-	10/14/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-95	W95-211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-100	W100211014-	10/14/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-101	W101211018-	10/18/2021	0.25 U	0.1 U	0.5 U	0.148 JT	0.1 U	0.25 U	0.1 U	0.228
MW-103	W103211020-	10/20/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U
MW-107	W107211020-	10/20/2021	0.25 U	0.27	0.5 U	0.142 JT	0.1 U	0.25 U	0.1 U	0.213
MW-110	W110211021-	10/21/2021	0.25 U	1.24	0.5 U	0.224	0.1 U	0.25 U	0.1 U	5.82
MW-113	W113211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-114	W114211012-	10/12/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U
MW-115	W115211013-	10/13/2021	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U		0.1 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Cis-1,3-Dichloropropene ug/l 10061-01-5	Dibromomethane ug/l 74-95-3	Dichlorodifluoromethane ug/l 75-71-8	Ethylbenzene ug/l 100-41-4	M & P Xylene ug/l MPX	Methyl Iodide ug/l 74-88-4	Methyl Methacrylate ug/l 80-62-6
MW-21	W21-211005-	10/5/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-24	W24-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-30A	W30A211018-	10/18/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-47	W47-211018-	10/18/2021	0.25 U	0.1 U	0.64	0.1 U	0.1 U	0.1 U	0.25 U
MW-56	W56-211005-	10/5/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-59	W59-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-64	W64-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-65	W65-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-66	W66-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-67	W67-211022-	10/22/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-68	W68-211019-	10/19/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-72	W72-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-73	W73-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-74R	W74R211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-75	W75-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-76	W76-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-80	W80-211020-	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-80	W80-211020D	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-81	W81-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-82	W82-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-83	W83-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-84	W84-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-85	W85-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-85	W85-211006D	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-86	W86-211006-	10/6/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-87	W87-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-88	W88-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-89	W89-211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-93	W93-211011-	10/11/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-94	W94-211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-95	W95-211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-100	W100211014-	10/14/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-101	W101211018-	10/18/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-103	W103211020-	10/20/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-107	W107211020-	10/20/2021	0.25 U	0.1 U	0.134 JT	0.1 U	0.1 U	0.1 U	0.25 U
MW-110	W110211021-	10/21/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
MW-113	W113211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-114	W114211012-	10/12/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
MW-115	W115211013-	10/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Methylacrylonitrile ug/l 126-98-7	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6	Propionitrile ug/l 107-12-0	Styrene ug/l 100-42-5	Tetrachloroethene ug/l 127-18-4	Toluene ug/l 108-88-3	Trans-1,2-Dichloroethene ug/l 156-60-5
MW-21	W21-211005-	10/5/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-24	W24-211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A211018-	10/18/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.135 JT	0.1 U	0.102 JT
MW-47	W47-211018-	10/18/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-56	W56-211005-	10/5/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-59	W59-211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-64	W64-211011-	10/11/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-65	W65-211014-	10/14/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-66	W66-211011-	10/11/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-67	W67-211022-	10/22/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-68	W68-211019-	10/19/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-73	W73-211011-	10/11/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-75	W75-211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-76	W76-211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.408	0.1 U	0.1 U
MW-80	W80-211020-	10/20/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	W80-211020D	10/20/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-211006-	10/6/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-82	W82-211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-83	W83-211014-	10/14/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-84	W84-211006-	10/6/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-85	W85-211006-	10/6/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-85	W85-211006D	10/6/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-86	W86-211006-	10/6/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-87	W87-211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-88	W88-211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-89	W89-211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-93	W93-211011-	10/11/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-94	W94-211014-	10/14/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-95	W95-211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-100	W100211014-	10/14/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-101	W101211018-	10/18/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	W103211020-	10/20/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107211020-	10/20/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.103 JT
MW-110	W110211021-	10/21/2021	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.335
MW-113	W113211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-114	W114211012-	10/12/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
MW-115	W115211013-	10/13/2021		2.5 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Trans-1,3-Dichloropropene ug/l 10061-02-6
MW-21	W21-211005-	10/5/2021	0.5 U
MW-24	W24-211012-	10/12/2021	0.5 U
MW-30A	W30A211018-	10/18/2021	0.5 U
MW-47	W47-211018-	10/18/2021	0.5 U
MW-56	W56-211005-	10/5/2021	0.5 U
MW-59	W59-211013-	10/13/2021	0.5 U
MW-64	W64-211011-	10/11/2021	0.5 U
MW-65	W65-211014-	10/14/2021	0.5 U
MW-66	W66-211011-	10/11/2021	0.5 U
MW-67	W67-211022-	10/22/2021	0.5 U
MW-68	W68-211019-	10/19/2021	0.5 U
MW-72	W72-211012-	10/12/2021	0.5 U
MW-73	W73-211011-	10/11/2021	0.5 U
MW-74R	W74R211012-	10/12/2021	0.5 U
MW-75	W75-211012-	10/12/2021	0.5 U
MW-76	W76-211013-	10/13/2021	0.5 U
MW-80	W80-211020-	10/20/2021	0.5 U
MW-80	W80-211020D	10/20/2021	0.5 U
MW-81	W81-211006-	10/6/2021	0.5 U
MW-82	W82-211012-	10/12/2021	0.5 U
MW-83	W83-211014-	10/14/2021	0.5 U
MW-84	W84-211006-	10/6/2021	0.5 U
MW-85	W85-211006-	10/6/2021	0.5 U
MW-85	W85-211006D	10/6/2021	0.5 U
MW-86	W86-211006-	10/6/2021	0.5 U
MW-87	W87-211013-	10/13/2021	0.5 U
MW-88	W88-211013-	10/13/2021	0.5 U
MW-89	W89-211013-	10/13/2021	0.5 U
MW-93	W93-211011-	10/11/2021	0.5 U
MW-94	W94-211014-	10/14/2021	0.5 U
MW-95	W95-211012-	10/12/2021	0.5 U
MW-100	W100211014-	10/14/2021	0.5 U
MW-101	W101211018-	10/18/2021	0.5 U
MW-103	W103211020-	10/20/2021	0.5 U
MW-107	W107211020-	10/20/2021	0.5 U
MW-110	W110211021-	10/21/2021	0.5 U
MW-113	W113211013-	10/13/2021	0.5 U
MW-114	W114211012-	10/12/2021	0.5 U
MW-115	W115211013-	10/13/2021	0.5 U

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater VOA Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Trans-1,4-Dichloro-2-Butene ug/l 110-57-6	Trichloroethene ug/l 79-01-6	Trichloro-fluoromethane ug/l 75-69-4	Vinyl Acetate ug/l 108-05-4	Vinyl Chloride ug/l 75-01-4
MW-21	W21-211005-	10/5/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-24	W24-211012-	10/12/2021	5 U	0.1 U	0.1 U	0.1 U	0.0166 JT
MW-30A	W30A211018-	10/18/2021	0.5 U	0.829	0.1 U	0.1 U	0.01 U
MW-47	W47-211018-	10/18/2021	0.5 U	0.1 U	0.1 U	0.1 U	1.46
MW-56	W56-211005-	10/5/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-59	W59-211013-	10/13/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-64	W64-211011-	10/11/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-65	W65-211014-	10/14/2021	5 U	0.1 U	0.1 U	0.1 U	0.0171 JT
MW-66	W66-211011-	10/11/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-67	W67-211022-	10/22/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	W68-211019-	10/19/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-72	W72-211012-	10/12/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-73	W73-211011-	10/11/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-74R	W74R211012-	10/12/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	W75-211012-	10/12/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-76	W76-211013-	10/13/2021	5 U	7.26	0.1 U	0.1 U	0.01 U
MW-80	W80-211020-	10/20/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-80	W80-211020D	10/20/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-81	W81-211006-	10/6/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-82	W82-211012-	10/12/2021	5 U	4.1	0.1 U	0.1 U	0.01 U
MW-83	W83-211014-	10/14/2021	5 U	2	0.1 U	0.1 U	0.01 U
MW-84	W84-211006-	10/6/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-85	W85-211006-	10/6/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-85	W85-211006D	10/6/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-86	W86-211006-	10/6/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	W87-211013-	10/13/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-88	W88-211013-	10/13/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-89	W89-211013-	10/13/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	W93-211011-	10/11/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	W94-211014-	10/14/2021	5 U	2.2	0.1 U	0.1 U	0.01 U
MW-95	W95-211012-	10/12/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-100	W100211014-	10/14/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-101	W101211018-	10/18/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.267
MW-103	W103211020-	10/20/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-107	W107211020-	10/20/2021	0.5 U	0.1 U	0.1 U	0.1 U	0.627
MW-110	W110211021-	10/21/2021	0.5 U	0.148 JT	0.1 U	0.1 U	0.15
MW-113	W113211013-	10/13/2021	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-114	W114211012-	10/12/2021	5 U	9.75	0.1 U	0.1 U	0.01 U
MW-115	W115211013-	10/13/2021	5 U	4.65	0.1 U	0.1 U	0.01 U

Storm and Surface Water Field and Analytical Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Groundwater Field Data

Contact Person: Natalya Usova (206) 263-0608

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	10/4/2021	415.38	418.84		0.26	415.64	
SW-G1	SW-W1	11/3/2021	415.38	418.84		0.48	415.86	
SW-G1	SW-W1	12/6/2021	415.38	418.84		0.59	415.97	
SW-G2	SW-N1	10/4/2021	355.68	358.21	3.70		354.51	
SW-G2	SW-N1	11/3/2021	355.68	358.21		0.17	355.85	
SW-G2	SW-N1	12/6/2021	355.68	358.21		0.38	356.06	
SW-G3	SW -V	10/4/2021	466.46	469.88	5.45		464.43	DRY
SW-G3	SW -V	11/3/2021	466.46	469.88	5.48		464.40	DRY
SW-G3	SW -V	12/6/2021	466.46	469.88		0.18	466.64	
SW-G4	Upstream of SW-E1	10/4/2021	502.41	505.85	6.25		499.60	DRY
SW-G4	Upstream of SW-E1	11/3/2021	502.41	505.85	5.05		500.80	
SW-G4	Upstream of SW-E1	12/6/2021	502.41	505.85		0.40	502.81	
SW-G5	SW-E1	10/4/2021	486.92	490.34	5.35		484.99	DRY
SW-G5	SW-E1	11/3/2021	486.92	490.34	3.91		486.43	
SW-G5	SW-E1	12/6/2021	486.92	490.34		0.65	487.57	
SW-G6	Upstream of SW-GS1	10/4/2021	490.72	494.12	5.15		488.97	DRY
SW-G6	Upstream of SW-GS1	11/3/2021	490.72	494.12	3.23		490.89	
SW-G6	Upstream of SW-GS1	12/6/2021	490.72	494.12	3.01		491.11	
SW-G7	SW-S2	10/4/2021	453.03	456.41	8.86		447.55	DRY
SW-G7	SW-S2	11/3/2021	453.03	456.41		0.87	453.90	
SW-G7	SW-S2	12/6/2021	453.03	456.41		0.94	453.97	
SW-G8	Upstream of SW-S1	10/4/2021	510.61	515.56	4.80		510.76	DRY
SW-G8	Upstream of SW-S1	11/3/2021	510.61	515.56	4.75	0.06	510.81	
SW-G8	Upstream of SW-S1	12/6/2021	510.61	515.56		0.39	511.00	
SW-G9	SW-S1	10/4/2021	490.93	494.35	6.38		487.97	DRY
SW-G9	SW-S1	11/3/2021	490.93	494.35		0.30	491.23	
SW-G9	SW-S1	12/6/2021	490.93	494.35		1.00	491.93	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Surfacewater Field Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	pH (Field) (std. Units)	Spec. Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)	Turbidity (Field) (NTU)	Dissolved Oxygen, (Field) (mg/L)
SW-GS1	SGS1211028P	10/28/2021	6.64		13.83		
SW-GS1	SGS1211213P	12/13/2021	7.03		5.16	27.3	
SW-N4	SN4-211025D	10/25/2021	7.20		11.91		
SW-N4	SN4-211025P	10/25/2021	7.20		11.91		
SW-N4	SN4-211213P	12/13/2021	7.40		8.71	7.21	
SW-SL3	SSL3211028P	10/28/2021	6.93		11.78		
SW-SL3	SSL3211213P	12/13/2021	7.22		5.86	3.75	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Surfacewater Conventional Data

Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Copper (mg/L)	Total Suspended Solids (mg/L)	Zinc, total (mg/L)
SW-GS1	SGS1211213P	12/13/2021	0.0207	2 U	0.00427	2.8 G	0.00351
SW-N4	SN4-211213P	12/13/2021	0.0436	2 U	0.0122	1.4 G	0.0254
SW-SL3	SSL3211213P	12/13/2021	0.0141	2 U	0.00542	4.3 G	0.00622

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill ---Surfacewater VOA Data

Contact Person: Natalya Usova (206) 263-0608

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	SGS1211213P	12/13/2021	0.472 U	0.472 U	9.43 U	0.472 U
SW-N4	SN4-211213P	12/13/2021	0.500 U	0.500 U	10.00 U	0.500 U
SW-SL3	SSL3211213P	12/13/2021	0.476 U	0.476 U	9.52 U	0.476 U

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Surfacewater Station East 1 Data
Contact Person: Natalya Usova (206) 263-0608

CEDAR HILLS REGIONAL LANDFILL.
SURFACE WATER STATION EAST 1

(Data Collected from October 01, 2021 to December 31, 2021)

Site	Date	Sample ID	CONVENTIONALS	METALS	VOAs
SW-E1	10/19/2021	SE1-211019-	No Sample Taken Q4-2021		

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- TopDeck Data
Contact Person: Natalya Usova (206) 263-0608

Site	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	STD1211028-	10/28/2021	7.18	92.9	13.31	339.0	24.9	17.0	1.61	0.038	9.650	21.90	7.4
SW-TD2	STD2211028-	10/28/2021	6.95	35.3	13.83	13.1	14.7	42.5	0.55	0.111	0.466	1.35	13.8
SW-TD4	N/A	N/A	No Sample Taken Q4 2021 - No Flow										
SW-TD6	N/A	N/A											

Washington Department of Ecology
Electronic Submission Cover Letter

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1798999 - 11/16/2021 10:48:49 AM

Company Name	Signer Name	System Name
Goodfellow Bros LLC	Kyle Williams	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Goodfellow Bros LLC	Copy of Record GoodfellowBrosLLC Tuesday November 16 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.

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HPiaqp7sajs0JuuBDSIrfqewHiglSv5nW9S19RDrfe9QbABFX5MTQjncpNPUz1GiUV8olj/IpiqLhGAH8nuamF5SY/6gYq6ZdMyi6cQqDhc=

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: 10/01/2021 - 10/31/2021 **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-F	**10/1/21**	C	C
2-Su	**10/3/21**	C	C
3-Su	**10/10/21**	C	C
4-Su	**10/17/21**	C	C
5-Su	**10/24/21**	C	M
5-M	**10/25/21**	C	M
5-T	**10/26/21**	C	M
5-W	**10/27/21**	C	M
5-Th	**10/28/21**	C	M
5-F	**10/29/21**	74.9	M
5-Sa	**10/30/21**	75.3	M
Minimum			
			BM: >= 6.5 (RO)
Maximum			
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	5	Check Dams
	5	Gravel Filter Berm
	5	Silt Fence
	5	Straw Wattles

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: 10/01/2021 - 10/31/2021 **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-F	**10/1/21**	C	C
2-Su	**10/3/21**	C	C
3-Su	**10/10/21**	C	C
4-Su	**10/17/21**	C	C
5-Su	**10/24/21**	C	M
5-M	**10/25/21**	C	M
5-T	**10/26/21**	C	M
5-W	**10/27/21**	C	M
5-Th	**10/28/21**	C	M
5-F	**10/29/21**	49.5	M
5-Sa	**10/30/21**	49.7	M
Minimum			
			BM: >= 6.5 (RO)
Maximum			
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	5	Check Dams
	5	Gravel Filter Berm
	5	Silt Fence
	5	Straw Wattles

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: 10/01/2021 - 10/31/2021 **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-F	**10/1/21**	C	C	C	C
2-Su	**10/3/21**	C	C	C	C
3-Su	**10/10/21**	C	C	C	C
4-Su	**10/17/21**	C	C	C	C
5-Su	**10/24/21**	C	M	C	M
5-M	**10/25/21**	C	M	C	M
5-T	**10/26/21**	C	M	C	M
5-W	**10/27/21**	C	M	C	M
5-Th	**10/28/21**	C	M	C	M
5-F	**10/29/21**	7.89	M	3.48	M
5-Sa	**10/30/21**	6.31	M	3.25	M
Minimum					
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum					
		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

BMPs

Monitoring Point	Week	BMP
	5	Check Dams
	5	Gravel Filter Berm
	5	Silt Fence
	5	Straw Wattles

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.

Kyle Williams — **Signature**

11/16/2021 10:48:48 AM — **Date**

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1801621 - 12/14/2021 4:32:54 PM

Company Name	Signer Name	System Name
Goodfellow Bros LLC	Kyle Williams	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Goodfellow Bros LLC	Copy of Record GoodfellowBrosLLC Tuesday December 14 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



+2Td7ZxrpOnIH/dJKJrcHSXtHDY8gngadEhnZetky7K2ILSy8q7ITvskhdX+2/QT/xWx0c46o+UYYG4eDD34j
+73vEKBiMCM6WFUEPhk6q4=

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: 11/01/2021 - 11/30/2021 **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-M	**11/1/21**	10.23	M
1-T	**11/2/21**	9.37	M
1-W	**11/3/21**	10.24	M
1-Th	**11/4/21**	10.75	M
1-F	**11/5/21**	13.46	M
1-Sa	**11/6/21**	M	M
2-Su	**11/7/21**	M	M
2-M	**11/8/21**	15.89	M
2-T	**11/9/21**	14.10	M
2-W	**11/10/21**	14.28	M
2-Th	**11/11/21**	17.48	M
2-F	**11/12/21**	16.91	M
2-Sa	**11/13/21**	M	M
3-Su	**11/14/21**	M	M
3-M	**11/15/21**	18.21	M
3-T	**11/16/21**	16.28	M
3-W	**11/17/21**	16.01	M
3-Th	**11/18/21**	14.02	M
3-F	**11/19/21**	13.91	M
3-Sa	**11/20/21**	M	M
4-Su	**11/21/21**	M	M
4-M	**11/22/21**	9.42	M
4-T	**11/23/21**	9.26	M
4-W	**11/24/21**	8.98	M
4-Th	**11/25/21**	M	M
4-F	**11/26/21**	M	M
4-Sa	**11/27/21**	M	M
5-Su	**11/28/21**	M	M
5-M	**11/29/21**	11.62	M
5-T	**11/30/21**	10.75	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		18.21	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Triangular Silt Dike
	2	Check Dams
	2	Gravel Filter Berm
	2	Silt Fence
	2	Straw Wattles
	2	Triangular Silt Dike

	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	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: 11/01/2021 - 11/30/2021 **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-M	**11/1/21**	4.19	M
1-T	**11/2/21**	4.20	M
1-W	**11/3/21**	4.04	M
1-Th	**11/4/21**	4.23	M
1-F	**11/5/21**	3.64	M
1-Sa	**11/6/21**	M	M
2-Su	**11/7/21**	M	M
2-M	**11/8/21**	2.49	M
2-T	**11/9/21**	2.13	M
2-W	**11/10/21**	2.20	M
2-Th	**11/11/21**	2.18	M
2-F	**11/12/21**	2.54	M
2-Sa	**11/13/21**	M	M
3-Su	**11/14/21**	M	M
3-M	**11/15/21**	2.33	M
3-T	**11/16/21**	2.48	M
3-W	**11/17/21**	2.26	M
3-Th	**11/18/21**	2.49	M
3-F	**11/19/21**	2.75	M
3-Sa	**11/20/21**	M	M
4-Su	**11/21/21**	M	M
4-M	**11/22/21**	3.11	M
4-T	**11/23/21**	3.26	M
4-W	**11/24/21**	3.30	M
4-Th	**11/25/21**	3.21	M
4-F	**11/26/21**	3.20	M
4-Sa	**11/27/21**	M	M
5-Su	**11/28/21**	M	M
5-M	**11/29/21**	3.02	M
5-T	**11/30/21**	2.97	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		4.23	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

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

	3	Straw Wattles
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles

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: 11/01/2021 - 11/30/2021 **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-M	**11/1/21**	3.05	M	2.49	M
1-T	**11/2/21**	3.09	M	2.45	M
1-W	**11/3/21**	3.08	M	2.97	M
1-Th	**11/4/21**	3.26	M	3.24	M
1-F	**11/5/21**	3.48	M	4.60	M
1-Sa	**11/6/21**	M	M	M	M
2-Su	**11/7/21**	M	M	M	M
2-M	**11/8/21**	3.69	M	4.92	M
2-T	**11/9/21**	3.10	M	4.89	M
2-W	**11/10/21**	3.08	M	4.74	M
2-Th	**11/11/21**	3.17	M	5.02	M
2-F	**11/12/21**	3.77	M	4.89	M
2-Sa	**11/13/21**	M	M	M	M
3-Su	**11/14/21**	M	M	M	M
3-M	**11/15/21**	3.75	M	5.26	M
3-T	**11/16/21**	3.74	M	5.30	M
3-W	**11/17/21**	3.66	M	4.97	M
3-Th	**11/18/21**	3.68	M	4.45	M
3-F	**11/19/21**	3.75	M	4.07	M
3-Sa	**11/20/21**	M	M	M	M
4-Su	**11/21/21**	M	M	M	M
4-M	**11/22/21**	2.87	M	3.78	M
4-T	**11/23/21**	2.98	M	3.77	M
4-W	**11/24/21**	3.01	M	3.44	M
4-Th	**11/25/21**	M	M	M	M
4-F	**11/26/21**	M	M	M	M
4-Sa	**11/27/21**	M	M	M	M
5-Su	**11/28/21**	M	M	M	M
5-M	**11/29/21**	2.62	M	2.98	M
5-T	**11/30/21**	2.78	M	3.26	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		3.77	M	5.3	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Gravel Filter Berm
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Triangular Silt Dike
	2	Check Dams

	2	Gravel Filter Berm
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Triangular Silt Dike
	3	Check Dams
	3	Gravel Filter Berm
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	4	Check Dams
	4	Gravel Filter Berm
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	5	Check Dams
	5	Gravel Filter Berm
	5	Silt Fence
	5	Straw Wattles

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.

Kyle Williams
Signature

12/14/2021 4:32:52 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1805364 - 1/14/2022 10:19:15 AM

Company Name	Signer Name	System Name
Goodfellow Bros LLC	Kyle Williams	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Goodfellow Bros LLC	Copy of Record GoodfellowBrosLLC Friday January 14 2022

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



CzgLmvENbq60Jp94jCMnYdLJwWNamMfhT+DwgivQ7gS+mzXrpirP3mZnJe
+gXJwopGSN8sjvRpTBYDlzimcuSkQ5gH51LSu8zEnBu0v6jtA=

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: 12/01/2021 - 12/31/2021 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-W	**12/1/21**	M	M
1-Th	**12/2/21**	M	M
1-F	**12/3/21**	M	M
1-Sa	**12/4/21**	M	M
2-Su	**12/5/21**	M	M
2-M	**12/6/21**	14.82	M
2-T	**12/7/21**	M	M
2-W	**12/8/21**	M	M
2-Th	**12/9/21**	M	M
2-F	**12/10/21**	M	M
2-Sa	**12/11/21**	M	M
3-Su	**12/12/21**	M	M
3-M	**12/13/21**	12.87	M
3-T	**12/14/21**	M	M
3-W	**12/15/21**	M	M
3-Th	**12/16/21**	M	M
3-F	**12/17/21**	M	M
3-Sa	**12/18/21**	M	M
4-Su	**12/19/21**	M	M
4-M	**12/20/21**	12.03	M
4-T	**12/21/21**	M	M
4-W	**12/22/21**	M	M
4-Th	**12/23/21**	M	M
4-F	**12/24/21**	M	M
4-Sa	**12/25/21**	M	M
5-Su	**12/26/21**	M	M
5-M	**12/27/21**	14	M
5-T	**12/28/21**	M	M
5-W	**12/29/21**	M	M
5-Th	**12/30/21**	M	M
5-F	**12/31/21**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		14.82	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	2	Check Dams
	2	Sediment Trap
	3	Check Dams
	4	Check Dams
	4	Sediment Trap
	5	Check Dams

	5	Sediment Trap

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: 12/01/2021 - 12/31/2021 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-W	**12/1/21**	M	M
1-Th	**12/2/21**	M	M
1-F	**12/3/21**	M	M
1-Sa	**12/4/21**	M	M
2-Su	**12/5/21**	M	M
2-M	**12/6/21**	10.6	M
2-T	**12/7/21**	M	M
2-W	**12/8/21**	M	M
2-Th	**12/9/21**	M	M
2-F	**12/10/21**	M	M
2-Sa	**12/11/21**	M	M
3-Su	**12/12/21**	M	M
3-M	**12/13/21**	8.2	M
3-T	**12/14/21**	M	M
3-W	**12/15/21**	M	M
3-Th	**12/16/21**	M	M
3-F	**12/17/21**	M	M
3-Sa	**12/18/21**	M	M
4-Su	**12/19/21**	M	M
4-M	**12/20/21**	6.85	M
4-T	**12/21/21**	M	M
4-W	**12/22/21**	M	M
4-Th	**12/23/21**	M	M
4-F	**12/24/21**	M	M
4-Sa	**12/25/21**	M	M
5-Su	**12/26/21**	M	M
5-M	**12/27/21**	8.36	M
5-T	**12/28/21**	M	M
5-W	**12/29/21**	M	M
5-Th	**12/30/21**	M	M
5-F	**12/31/21**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		10.6	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles

	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	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: 12/01/2021 - 12/31/2021 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-W	**12/1/21**	M	M	M	M
1-Th	**12/2/21**	M	M	M	M
1-F	**12/3/21**	M	M	M	M
1-Sa	**12/4/21**	M	M	M	M
2-Su	**12/5/21**	M	M	M	M
2-M	**12/6/21**	2.85	M	3.98	M
2-T	**12/7/21**	M	M	M	M
2-W	**12/8/21**	M	M	M	M
2-Th	**12/9/21**	M	M	M	M
2-F	**12/10/21**	M	M	M	M
2-Sa	**12/11/21**	M	M	M	M
3-Su	**12/12/21**	M	M	M	M
3-M	**12/13/21**	2.82	M	4.02	M
3-T	**12/14/21**	M	M	M	M
3-W	**12/15/21**	M	M	M	M
3-Th	**12/16/21**	M	M	M	M
3-F	**12/17/21**	M	M	M	M
3-Sa	**12/18/21**	M	M	M	M
4-Su	**12/19/21**	M	M	M	M
4-M	**12/20/21**	2.75	M	3.8	M
4-T	**12/21/21**	M	M	M	M
4-W	**12/22/21**	M	M	M	M
4-Th	**12/23/21**	M	M	M	M
4-F	**12/24/21**	M	M	M	M
4-Sa	**12/25/21**	M	M	M	M
5-Su	**12/26/21**	M	M	M	M
5-M	**12/27/21**	4.01	M	4.05	M
5-T	**12/28/21**	M	M	M	M
5-W	**12/29/21**	M	M	M	M
5-Th	**12/30/21**	M	M	M	M
5-F	**12/31/21**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		4.01	M	4.05	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

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

	2	Silt Fence
	2	Straw Wattles
	2	Triangular Silt Dike
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Triangular Silt Dike
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Triangular Silt Dike
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	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.

Kyle Williams
Signature

1/14/2022 10:19:13 AM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1806311 - 1/19/2022 9:51:15 AM

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

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday January 19 2022

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



nd7oEgG02DwKmF1bHSizAEvDQd/EGnY9Bi6bRDg3Q2/u5URJE20OcDj0fGigIdNn0oXFsIGF
+mCinKjp7hN4RoelqrdJOmAF9Yq4NFF8uzA=

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: 10/01/2021 - 12/31/2021 **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
5-Th	**10/28/21**	A	No	A	<2	<1	0.014	<0.51	<10.2	<0.51	<0.51	1.4
12-M	**12/13/21**	27.3	No	4.72	<2	2.8	0.0207	<0.472	<9.43	<0.472	<0.472	3.51
12-F	**12/17/21**	7.7	M	M	M	M	M	M	M	M	M	M
Minimum												
Average		17.5		4.72								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	<1	0.014	<0.51	<10.2	<0.51	<0.51	1.4
					<= 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					<2	2.8	0.0207	<0.472	<9.43	<0.472	<0.472	3.51
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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

Week	Monitoring Point	pH Standard Units Quarterly Grab
		GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
5-Th	**10/28/21**	6.64
12-M	**12/13/21**	7.03
12-F	**12/17/21**	M
Minimum		6.64
		>= 6.0 (RO)
Average		
Maximum		7.03
		<= 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: 10/01/2021 - 12/31/2021 **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
5-M	**10/25/21**	A	No	A	<2	1.4	0.228	<0.515	<10.2	<0.515	<0.515	44.1
12-M	**12/13/21**	7.21	No	12.2	<2	1.4	0.0436	<0.5	<10	<0.5	<0.5	25.4
Minimum												
Average		7.21		12.2								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	1.4	0.228	<0.515	<10.2	<0.515	<0.515	44.1
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	1.4	0.0436	<0.5	<10	<0.5	<0.5	25.4
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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

Week	Monitoring Point	pH Standard Units Quarterly Grab
		N4
Limit Set		**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**
5-M	**10/25/21**	7.2
12-M	**12/13/21**	7.4
Minimum		7.2
		>= 6.0 (RO)
Average		
Maximum		7.4
		<= 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: 10/01/2021 - 12/31/2021 **Outfall:** SL3 - Discharge to unnamed stream (ditch) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol [3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-] Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
5-Th	**10/28/21**	A	No	A	<2	9.6	0.152	<0.51	<10.2	<0.51	<0.51	9.29
12-M	**12/13/21**	3.75	No	5.42	<2	4.3	0.0141	<0.476	<9.52	<0.476	<0.476	6.22
Minimum												
Average		3.75		5.42								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	9.6	0.152	<0.51	<10.2	<0.51	<0.51	9.29
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	4.3	0.0141	<0.476	<9.52	<0.476	<0.476	6.22
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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

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

Jennifer Keune — **Signature**

1/19/2022 9:51:14 AM — **Date**

Week	Monitoring Point	pH Standard Units Quarterly Grab
		SL3
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
5-Th	**10/28/21**	6.93
12-M	**12/13/21**	7.22
Minimum		6.93
		>= 6.0 (RO)
Average		
Maximum		7.22
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Leachate Field and Analytical Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Sample Roaster
Contact Person: Natalya Usova (206) 263-0608

Leachate Monitoring Activities 4th Quarter 2021

Station ID	Date	Activity	Sample ID	Comment
LS-A567	10/11/2021	Special Investigation	L567211011I	
LS-A567	11/4/2021	Special Investigation	L567211104I	
LS-A567	12/9/2021	Special Investigation	L567211209I	
LS-A567	12/9/2021	Special Investigation	L567211209I2	
LS-A81	10/11/2021	Special Investigation	LA81211011I	
LS-A81	11/4/2021	Special Investigation	LA81211104I	
LS-A81	12/9/2021	Special Investigation	LA81211209I	
LS-A81	12/9/2021	Special Investigation	LA81211209I2	
LS-CSW	11/4/2021	Special Investigation	LCSW211104I	
LS-CSW	12/9/2021	Special Investigation	LCSW211209I	
LS-CSW	12/9/2021	Special Investigation	LCSW211209I2	
LS-LEPS	10/6/2021	Monthly Characterization Sample	LEPS211006M	
LS-LEPS	10/6/2021	Permit Sample	LEPS211006P	
LS-LEPS	10/13/2021	Permit Sample	LEPS211013P	
LS-LEPS	10/21/2021	Permit Sample	LEPS211021P	
LS-LEPS	10/26/2021	Permit Sample	LEPS211026P	
LS-LEPS	11/4/2021	Permit Sample	LEPS211104P	
LS-LEPS	11/9/2021	Permit Sample	LEPS211109P	
LS-LEPS	11/16/2021	Monthly Characterization Sample	LEPS211116M	
LS-LEPS	11/16/2021	Permit Sample	LEPS211116P	
LS-LEPS	11/23/2021	Permit Sample	LEPS211123P	
LS-LEPS	11/30/2021	Permit Sample	LEPS211130P	
LS-LEPS	12/7/2021	Monthly Characterization Sample	LEPS211207M	
LS-LEPS	12/7/2021	Permit Sample	LEPS211207P	
LS-LEPS	12/9/2021	Special Investigation	LEPS211209I2	
LS-LEPS	12/14/2021	Permit Sample	LEPS211214P	
LS-LEPS	12/21/2021	Permit Sample	LEPS211221P	
LS-LEPS	12/29/2021	Permit Sample	LEPS211229P	
LS-PS1A	10/11/2021	Special Investigation	LP1A211011I	
LS-PS1A	11/4/2021	Special Investigation	LP1A211104I	
LS-PS1A	12/9/2021	Special Investigation	LP1A211209I	
LS-PS1A	12/9/2021	Special Investigation	LP1A211209I2	
LS-PS2A	10/6/2021	Monthly Characterization Sample	LP2A211006M	
LS-PS2A	11/3/2021	Monthly Characterization Sample	LP2A211103M	
LS-PS2A	12/8/2021	Monthly Characterization Sample	LP2A211208M	
LS-PS4	10/11/2021	Special Investigation	LP4-211011D	
LS-PS4	10/11/2021	Special Investigation	LP4-211011I	
LS-PS4	11/4/2021	Special Investigation	LP4-211104I	
LS-PS4	12/9/2021	Special Investigation	LP4-211209D	
LS-PS4	12/9/2021	Special Investigation	LP4-211209I	
LS-PS4	12/9/2021	Special Investigation	LP4-211209I2	
LS-V1A	10/6/2021	Monthly Characterization Sample	LV1A211006M	
LS-V1A	11/3/2021	Monthly Characterization Sample	LV1A211103M	
LS-V1A	11/4/2021	Monthly Characterization Sample	LV1A211104M	
LS-V1A	12/8/2021	Monthly Characterization Sample	LV1A211208M	
LS-V1A	12/9/2021	Special Investigation	LV1A211209I2	
LS-46N	10/6/2021	Monthly Characterization Sample	L46N211006M	
LS-46N	11/3/2021	Monthly Characterization Sample	L46N211103M	
LS-46N	12/8/2021	Monthly Characterization Sample	L46N211208M	
FIELD BLANK	11/3/2021	QA/QC Sample	LV1A211103F	

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Field Data
Contact Person: Natalya Usova (206) 263-0608

Site	Sample ID	Date	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)
LS-A567	10/11/2021	L567211011I	7.71	12995	29.5
LS-A567	11/4/2021	L567211104I	7.76	18604	25.4
LS-A567	12/9/2021	L567211209I	7.78	15952	29.7
LS-A567	12/9/2021	L567211209I2	7.78	15952	29.7
LS-A81	10/11/2021	LA81211011I	6.76	3931	17.2
LS-A81	11/4/2021	LA81211104I	6.76	6150	13.6
LS-A81	12/9/2021	LA81211209I	7.29	9690	5.8
LS-A81	12/9/2021	LA81211209I2	7.29	9690	5.8
LS-CSW	11/4/2021	LCSW211104I	7.35	172	10.2
LS-CSW	12/9/2021	LCSW211209I	6.84	134	5.6
LS-CSW	12/9/2021	LCSW211209I2	6.84	134	5.6
LS-LEPS	10/6/2021	LEPS211006M	8.58	11619	15.2
LS-LEPS	10/6/2021	LEPS211006P	8.58	11619	15.2
LS-LEPS	10/13/2021	LEPS211013P	8.61	10909	12.6
LS-LEPS	10/21/2021	LEPS211021P	8.50	10678	13.0
LS-LEPS	10/26/2021	LEPS211026P	8.56	9351	12.9
LS-LEPS	11/4/2021	LEPS211104P	8.42	3857	10.6
LS-LEPS	11/9/2021	LEPS211109P	8.38	3368	10.6
LS-LEPS	11/16/2021	LEPS211116M	8.19	2204	12.2
LS-LEPS	11/16/2021	LEPS211116P	8.19	2204	12.2
LS-LEPS	11/23/2021	LEPS211123P	6.65	2340	9.4
LS-LEPS	11/30/2021	LEPS211130P	7.84	2762	13.1
LS-LEPS	12/7/2021	LEPS211207M	8.27	2727	10.0
LS-LEPS	12/7/2021	LEPS211207P	8.27	2727	10.0
LS-LEPS	12/9/2021	LEPS211209I2	8.25	2623	8.8
LS-LEPS	12/14/2021	LEPS211214P	8.32	2842	8.7
LS-LEPS	12/21/2021	LEPS211221P	8.37	3166	8.0
LS-LEPS	12/29/2021	LEPS211229P	8.21	3142	6.2
LS-MH46N	10/6/2021	L46N211006M	7.35	11396	20.8
LS-MH46N	11/3/2021	L46N211103M	7.34	11447	19.6
LS-MH46N	12/8/2021	L46N211208M	7.34	8961	20.3
LS-PS1A	10/11/2021	LP1A211011I	7.49	2531	14.3
LS-PS1A	11/4/2021	LP1A211104I	6.46	368	13.3
LS-PS1A	12/9/2021	LP1A211209I	6.42	1131	12.1
LS-PS1A	12/9/2021	LP1A211209I2	6.42	1131	12.1
LS-PS2A	10/6/2021	LP2A211006M	6.27	136	14.2
LS-PS2A	11/3/2021	LP2A211103M	5.95	110	13.9
LS-PS2A	12/8/2021	LP2A211208M	5.94	109	10.3
LS-PS4	10/11/2021	LP4-211011D	7.41	1399	14.5
LS-PS4	10/11/2021	LP4-211011I	7.41	1399	14.5
LS-PS4	11/4/2021	LP4-211104I	7.02	493	14.4
LS-PS4	12/9/2021	LP4-211209D	7.26	1027	12.3
LS-PS4	12/9/2021	LP4-211209I	7.26	1027	12.3
LS-PS4	12/9/2021	LP4-211209I2	7.26	1027	12.3
LS-V1A	10/6/2021	LV1A211006M	8.00	8420	22.6
LS-V1A	11/3/2021	LV1A211103M	7.53	3883	15.3
LS-V1A	11/4/2021	LV1A211104M	7.56	3791	16.6
LS-V1A	12/8/2021	LV1A211208M	8.33	2520	9.3
LS-V1A	12/9/2021	LV1A211209I2	7.92	1046	7.0

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Alkalinity, Carbonate mg/l	Alkalinity, Total (as $CaCO_3$) mg/l	Ammonia as N mg/l	Biological Oxygen Demand mg/l	Chemical Oxygen Demand mg/l	Chloride mg/l
LS-A567	10/11/2021	L567211011I	1	5280	1370	2230	4280	1350
LS-A567	11/4/2021	L567211104I	1	8030	1940	2210	5540	2150
LS-A567	12/9/2021	L567211209I	1	6840	1510	1270	3830	1790
LS-A81	10/11/2021	LA81211011I	1	1620	347	1690	2010	230
LS-A81	11/4/2021	LA81211104I	1	2860	404	3660	6350	446
LS-A81	12/9/2021	LA81211209I	1	4440	866	2360	4560	845
LS-CSW	11/4/2021	LCSW211104I	1	55.6	0.0235	4.09	28	8.06
LS-CSW	12/9/2021	LCSW211209I	1	50.3	0.316	8.96	34.7	4.78
LS-MH46N	10/6/2021	L46N211006M		3560	708	87.4	1730	1980
LS-MH46N	11/3/2021	L46N211103M		3680	620	115	1920	2020
LS-MH46N	12/8/2021	L46N211208M		2950	676	75.9	1540	1530
LS-PS1A	10/11/2021	LP1A211011I	1	900	199	67	385	312
LS-PS1A	11/4/2021	LP1A211104I	1	106	18.9	6.8	56.9	33.7
LS-PS1A	12/9/2021	LP1A211209I	1	425	76.9	33.4	179	101
LS-PS2A	10/6/2021	LP2A211006M		22	0.618	2.93	24.8	7.86
LS-PS2A	11/3/2021	LP2A211103M		32.1	0.282	2	18	3.58
LS-PS2A	12/8/2021	LP2A211208M		43.5	0.569	2.41	23.4	1.46
LS-PS4	10/11/2021	LP4-211011D	1	605	112	319	479	81.9
LS-PS4	10/11/2021	LP4-211011I	1	593	107	255	468	83.2
LS-PS4	11/4/2021	LP4-211104I	1	148	29.2	31.7	143	27.7
LS-PS4	12/9/2021	LP4-211209D	1	474	170	449	924	82.1
LS-PS4	12/9/2021	LP4-211209I	1	471	174	517	943	81.8
LS-V1A	10/6/2021	LV1A211006M		3140	712	1670	3350	752
LS-V1A	11/3/2021	LV1A211103M		1700	284	984	1950	347
LS-V1A	12/8/2021	LV1A211208M		1370	272	737	1360	284
LS-LEPS (Monthly)	10/6/2021	LEPS211006M		5080	837	684	2500	1440
LS-LEPS (Monthly)	11/16/2021	LEPS211116M		934	180	84.9	401	185
LS-LEPS (Monthly)	12/7/2021	LEPS211207M		1130	222	119	626	232
LS-LEPS (Permit)	10/6/2021	LEPS211006P						
LS-LEPS (Permit)	10/13/2021	LEPS211013P						
LS-LEPS (Permit)	10/21/2021	LEPS211021P						
LS-LEPS (Permit)	10/26/2021	LEPS211026P						
LS-LEPS (Permit)	11/4/2021	LEPS211104P						
LS-LEPS (Permit)	11/9/2021	LEPS211109P						
LS-LEPS (Permit)	11/16/2021	LEPS211116P						
LS-LEPS (Permit)	11/23/2021	LEPS211123P						
LS-LEPS (Permit)	11/30/2021	LEPS211130P						
LS-LEPS (Permit)	12/7/2021	LEPS211207P						
LS-LEPS (Permit)	12/14/2021	LEPS211214P						
LS-LEPS (Permit)	12/21/2021	LEPS211221P						
LS-LEPS (Permit)	12/29/2021	LEPS211229P						

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Coliforms, Fecal cfu/100ml
LS-A567	10/11/2021	L567211011I	
LS-A567	11/4/2021	L567211104I	
LS-A567	12/9/2021	L567211209I	
LS-A81	10/11/2021	LA81211011I	
LS-A81	11/4/2021	LA81211104I	
LS-A81	12/9/2021	LA81211209I	
LS-CSW	11/4/2021	LCSW211104I	
LS-CSW	12/9/2021	LCSW211209I	
LS-MH46N	10/6/2021	L46N211006M	6
LS-MH46N	11/3/2021	L46N211103M	1
LS-MH46N	12/8/2021	L46N211208M	1
LS-PS1A	10/11/2021	LP1A211011I	
LS-PS1A	11/4/2021	LP1A211104I	
LS-PS1A	12/9/2021	LP1A211209I	
LS-PS2A	10/6/2021	LP2A211006M	2
LS-PS2A	11/3/2021	LP2A211103M	3
LS-PS2A	12/8/2021	LP2A211208M	1
LS-PS4	10/11/2021	LP4-211011D	
LS-PS4	10/11/2021	LP4-211011I	
LS-PS4	11/4/2021	LP4-211104I	
LS-PS4	12/9/2021	LP4-211209D	
LS-PS4	12/9/2021	LP4-211209I	
LS-V1A	10/6/2021	LV1A211006M	100000
LS-V1A	11/3/2021	LV1A211103M	31000
LS-V1A	12/8/2021	LV1A211208M	40000
LS-LEPS (Monthly)	10/6/2021	LEPS211006M	2300
LS-LEPS (Monthly)	11/16/2021	LEPS211116M	24000
LS-LEPS (Monthly)	12/7/2021	LEPS211207M	3000
LS-LEPS (Permit)	10/6/2021	LEPS211006P	
LS-LEPS (Permit)	10/13/2021	LEPS211013P	
LS-LEPS (Permit)	10/21/2021	LEPS211021P	
LS-LEPS (Permit)	10/26/2021	LEPS211026P	
LS-LEPS (Permit)	11/4/2021	LEPS211104P	
LS-LEPS (Permit)	11/9/2021	LEPS211109P	
LS-LEPS (Permit)	11/16/2021	LEPS211116P	
LS-LEPS (Permit)	11/23/2021	LEPS211123P	
LS-LEPS (Permit)	11/30/2021	LEPS211130P	
LS-LEPS (Permit)	12/7/2021	LEPS211207P	
LS-LEPS (Permit)	12/14/2021	LEPS211214P	
LS-LEPS (Permit)	12/21/2021	LEPS211221P	
LS-LEPS (Permit)	12/29/2021	LEPS211229P	

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride	Hardness	Nitrate + Nitrite as N
			cfu/100ml	mg/l	mg/l	mg/l	mg/l	mg/l
LS-A567	10/11/2021	L567211011I			84	5	721	0.1
LS-A567	11/4/2021	L567211104I			2.5	1	507	0.2
LS-A567	12/9/2021	L567211209I			8.8	1	428	0.14
LS-A81	10/11/2021	LA81211011I			16	5	585	0.01
LS-A81	11/4/2021	LA81211104I			20.7	10	1550	0.01
LS-A81	12/9/2021	LA81211209I			2.53	2	1320	0.028
LS-CSW	11/4/2021	LCSW211104I			46	0.073	73.2	0.81
LS-CSW	12/9/2021	LCSW211209I			269	0.064	85.4	0.375
LS-MH46N	10/6/2021	L46N211006M	13000	0.008		2.27		0.082
LS-MH46N	11/3/2021	L46N211103M	90	0.016		3.03		0.19
LS-MH46N	12/8/2021	L46N211208M	230	0.012		3.4		0.05
LS-PS1A	10/11/2021	LP1A211011I			7.2	1	149	1.41
LS-PS1A	11/4/2021	LP1A211104I			2	0.14	62.9	1.89
LS-PS1A	12/9/2021	LP1A211209I			2.86	0.1	93.7	0.425
LS-PS2A	10/6/2021	LP2A211006M	950	0.002		0.042		2.24
LS-PS2A	11/3/2021	LP2A211103M	41	0.002		0.0801		2.04
LS-PS2A	12/8/2021	LP2A211208M	13	0.002		0.06		0.186
LS-PS4	10/11/2021	LP4-211011D			128	0.3	214	1.81
LS-PS4	10/11/2021	LP4-211011I			110	1	218	1.8
LS-PS4	11/4/2021	LP4-211104I			114	0.13	103	1.19
LS-PS4	12/9/2021	LP4-211209D			17.4	0.2	127	0.65
LS-PS4	12/9/2021	LP4-211209I			18.5	0.2	127	0.663
LS-V1A	10/6/2021	LV1A211006M	640000	0.008		2		0.35
LS-V1A	11/3/2021	LV1A211103M	110000	0.008		2		0.908
LS-V1A	12/8/2021	LV1A211208M	130000	0.008		2		0.256
LS-LEPS (Monthly)	10/6/2021	LEPS211006M	9300	0.011		1		0.1
LS-LEPS (Monthly)	11/16/2021	LEPS211116M	43000	0.008		0.208		0.01
LS-LEPS (Monthly)	12/7/2021	LEPS211207M	24000	0.008		0.56		0.022
LS-LEPS (Permit)	10/6/2021	LEPS211006P						
LS-LEPS (Permit)	10/13/2021	LEPS211013P						
LS-LEPS (Permit)	10/21/2021	LEPS211021P						
LS-LEPS (Permit)	10/26/2021	LEPS211026P						
LS-LEPS (Permit)	11/4/2021	LEPS211104P						
LS-LEPS (Permit)	11/9/2021	LEPS211109P						
LS-LEPS (Permit)	11/16/2021	LEPS211116P						
LS-LEPS (Permit)	11/23/2021	LEPS211123P						
LS-LEPS (Permit)	11/30/2021	LEPS211130P						
LS-LEPS (Permit)	12/7/2021	LEPS211207P						
LS-LEPS (Permit)	12/14/2021	LEPS211214P						
LS-LEPS (Permit)	12/21/2021	LEPS211221P						
LS-LEPS (Permit)	12/29/2021	LEPS211229P						

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Phosphorus, Soluble Reactive mg/l
LS-A567	10/11/2021	L567211011I	
LS-A567	11/4/2021	L567211104I	
LS-A567	12/9/2021	L567211209I	
LS-A81	10/11/2021	LA81211011I	
LS-A81	11/4/2021	LA81211104I	
LS-A81	12/9/2021	LA81211209I	
LS-CSW	11/4/2021	LCSW211104I	
LS-CSW	12/9/2021	LCSW211209I	
LS-MH46N	10/6/2021	L46N211006M	3.71
LS-MH46N	11/3/2021	L46N211103M	3.86
LS-MH46N	12/8/2021	L46N211208M	3.21
LS-PS1A	10/11/2021	LP1A211011I	
LS-PS1A	11/4/2021	LP1A211104I	
LS-PS1A	12/9/2021	LP1A211209I	
LS-PS2A	10/6/2021	LP2A211006M	0.00811
LS-PS2A	11/3/2021	LP2A211103M	0.00939
LS-PS2A	12/8/2021	LP2A211208M	0.00658
LS-PS4	10/11/2021	LP4-211011D	
LS-PS4	10/11/2021	LP4-211011I	
LS-PS4	11/4/2021	LP4-211104I	
LS-PS4	12/9/2021	LP4-211209D	
LS-PS4	12/9/2021	LP4-211209I	
LS-V1A	10/6/2021	LV1A211006M	4.58
LS-V1A	11/3/2021	LV1A211103M	1.17
LS-V1A	12/8/2021	LV1A211208M	1.04
LS-LEPS (Monthly)	10/6/2021	LEPS211006M	0.0849
LS-LEPS (Monthly)	11/16/2021	LEPS211116M	0.00573
LS-LEPS (Monthly)	12/7/2021	LEPS211207M	0.0244
LS-LEPS (Permit)	10/6/2021	LEPS211006P	
LS-LEPS (Permit)	10/13/2021	LEPS211013P	
LS-LEPS (Permit)	10/21/2021	LEPS211021P	
LS-LEPS (Permit)	10/26/2021	LEPS211026P	
LS-LEPS (Permit)	11/4/2021	LEPS211104P	
LS-LEPS (Permit)	11/9/2021	LEPS211109P	
LS-LEPS (Permit)	11/16/2021	LEPS211116P	
LS-LEPS (Permit)	11/23/2021	LEPS211123P	
LS-LEPS (Permit)	11/30/2021	LEPS211130P	
LS-LEPS (Permit)	12/7/2021	LEPS211207P	
LS-LEPS (Permit)	12/14/2021	LEPS211214P	
LS-LEPS (Permit)	12/21/2021	LEPS211221P	
LS-LEPS (Permit)	12/29/2021	LEPS211229P	

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Phosphorus, Total (as P) mg/l	Specific Conductance umhos/cm	Sulfate mg/l	Sulfide mg/l	Total Dissolved Solids mg/l	Total Fats, Oils & Grease mg/l
LS-A567	10/11/2021	L567211011I		8420	20.4	1.69	7020	
LS-A567	11/4/2021	L567211104I		20500	17.3	1.55	10000	
LS-A567	12/9/2021	L567211209I		17100	26.8	1.73	7580	
LS-A81	10/11/2021	LA81211011I		4020	27.1	5.04	2360	
LS-A81	11/4/2021	LA81211104I		6740	46.5	1.78	4880	
LS-A81	12/9/2021	LA81211209I		10400	30.8	3.17	5360	
LS-CSW	11/4/2021	LCSW211104I		192	17.1	0.1	116	
LS-CSW	12/9/2021	LCSW211209I		148	12.3	0.1	119	
LS-MH46N	10/6/2021	L46N211006M	4.25	12100	1.02	1.41		2.3
LS-MH46N	11/3/2021	L46N211103M	4.2	12300	11.2	0.449		5.1
LS-MH46N	12/8/2021	L46N211208M	3.29	9910	0.61	0.523		2.5
LS-PS1A	10/11/2021	LP1A211011I		2980	21.1	0.35	1070	
LS-PS1A	11/4/2021	LP1A211104I		394	10.4	0.029	154	
LS-PS1A	12/9/2021	LP1A211209I		1260	14.8	0.0718	418	
LS-PS2A	10/6/2021	LP2A211006M	0.993	148	16.8	0.014		2
LS-PS2A	11/3/2021	LP2A211103M	0.993	123	9.42	0.013		2.6
LS-PS2A	12/8/2021	LP2A211208M	0.998	122	8.16	0.01		1.9
LS-PS4	10/11/2021	LP4-211011D		1560	29.9	0.16	634	
LS-PS4	10/11/2021	LP4-211011I		1560	29.8	0.13	616	
LS-PS4	11/4/2021	LP4-211104I		458	12.7	0.1	198	
LS-PS4	12/9/2021	LP4-211209D		1350	9.53	0.05	913	
LS-PS4	12/9/2021	LP4-211209I		1350	9.92	0.05	927	
LS-V1A	10/6/2021	LV1A211006M	5.87	13800	30.1	0.22		7.2
LS-V1A	11/3/2021	LV1A211103M	1.96	4470	23.2			2.3
LS-V1A	12/8/2021	LV1A211208M	1.82	3660	15.4	0.12		3.6
LS-LEPS (Monthly)	10/6/2021	LEPS211006M		12100	20.6	0.819		2.9
LS-LEPS (Monthly)	11/16/2021	LEPS211116M		2430	18.1	0.034		1.8
LS-LEPS (Monthly)	12/7/2021	LEPS211207M		2930	15.2	0.036		6.5
LS-LEPS (Permit)	10/6/2021	LEPS211006P	6					
LS-LEPS (Permit)	10/13/2021	LEPS211013P	4.61					
LS-LEPS (Permit)	10/21/2021	LEPS211021P	3.03					
LS-LEPS (Permit)	10/26/2021	LEPS211026P	2.6					
LS-LEPS (Permit)	11/4/2021	LEPS211104P	1.2					
LS-LEPS (Permit)	11/9/2021	LEPS211109P	1.37					
LS-LEPS (Permit)	11/16/2021	LEPS211116P	0.999					
LS-LEPS (Permit)	11/23/2021	LEPS211123P	1.07					
LS-LEPS (Permit)	11/30/2021	LEPS211130P	1.29					
LS-LEPS (Permit)	12/7/2021	LEPS211207P	1.19					
LS-LEPS (Permit)	12/14/2021	LEPS211214P	1.1					
LS-LEPS (Permit)	12/21/2021	LEPS211221P	1.54					
LS-LEPS (Permit)	12/29/2021	LEPS211229P	1.45					

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Total Kjeldahl Nitrogen mg/l
LS-A567	10/11/2021	L567211011I	1060
LS-A567	11/4/2021	L567211104I	1780
LS-A567	12/9/2021	L567211209I	1510
LS-A81	10/11/2021	LA81211011I	279
LS-A81	11/4/2021	LA81211104I	434
LS-A81	12/9/2021	LA81211209I	808
LS-CSW	11/4/2021	LCSW211104I	3.24
LS-CSW	12/9/2021	LCSW211209I	1.58
LS-MH46N	10/6/2021	L46N211006M	764
LS-MH46N	11/3/2021	L46N211103M	737
LS-MH46N	12/8/2021	L46N211208M	629
LS-PS1A	10/11/2021	LP1A211011I	177
LS-PS1A	11/4/2021	LP1A211104I	15.8
LS-PS1A	12/9/2021	LP1A211209I	87.3
LS-PS2A	10/6/2021	LP2A211006M	1.26
LS-PS2A	11/3/2021	LP2A211103M	0.893
LS-PS2A	12/8/2021	LP2A211208M	1.23
LS-PS4	10/11/2021	LP4-211011D	95
LS-PS4	10/11/2021	LP4-211011I	99.3
LS-PS4	11/4/2021	LP4-211104I	27.9
LS-PS4	12/9/2021	LP4-211209D	146
LS-PS4	12/9/2021	LP4-211209I	149
LS-V1A	10/6/2021	LV1A211006M	771
LS-V1A	11/3/2021	LV1A211103M	346
LS-V1A	12/8/2021	LV1A211208M	285
LS-LEPS (Monthly)	10/6/2021	LEPS211006M	863
LS-LEPS (Monthly)	11/16/2021	LEPS211116M	146
LS-LEPS (Monthly)	12/7/2021	LEPS211207M	227
LS-LEPS (Permit)	10/6/2021	LEPS211006P	
LS-LEPS (Permit)	10/13/2021	LEPS211013P	
LS-LEPS (Permit)	10/21/2021	LEPS211021P	
LS-LEPS (Permit)	10/26/2021	LEPS211026P	
LS-LEPS (Permit)	11/4/2021	LEPS211104P	
LS-LEPS (Permit)	11/9/2021	LEPS211109P	
LS-LEPS (Permit)	11/16/2021	LEPS211116P	
LS-LEPS (Permit)	11/23/2021	LEPS211123P	
LS-LEPS (Permit)	11/30/2021	LEPS211130P	
LS-LEPS (Permit)	12/7/2021	LEPS211207P	
LS-LEPS (Permit)	12/14/2021	LEPS211214P	
LS-LEPS (Permit)	12/21/2021	LEPS211221P	
LS-LEPS (Permit)	12/29/2021	LEPS211229P	

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Conventional Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	Total Organic Carbon mg/l	Total Solids mg/l	Total Suspended Solids mg/l	Total Volatile Solids mg/l	Volatile Suspended Solids mg/l
LS-A567	10/11/2021	L567211011I	1740	7520	234	3240	150
LS-A567	11/4/2021	L567211104I	2150	10400	8.5	3940	6.5
LS-A567	12/9/2021	L567211209I	1470	8400	23.6	3480	14.8
LS-A81	10/11/2021	LA81211011I	715	3360	37.3	1620	21.3
LS-A81	11/4/2021	LA81211104I	2230	5120	38.7	2800	18
LS-A81	12/9/2021	LA81211209I	1570	6160	14.5	2400	12
LS-CSW	11/4/2021	LCSW211104I	11.5	183	54.8	63	8.8
LS-CSW	12/9/2021	LCSW211209I	16.7	386	295	40	25.3
LS-MH46N	10/6/2021	L46N211006M	664		2.36	1300	1.23
LS-MH46N	11/3/2021	L46N211103M	694		2.22	1530	2
LS-MH46N	12/8/2021	L46N211208M	539		0.5	1200	0.5
LS-PS1A	10/11/2021	LP1A211011I	124	1050	26.4	280	19.2
LS-PS1A	11/4/2021	LP1A211104I	19.9	204	4.4	168	3.2
LS-PS1A	12/9/2021	LP1A211209I	53.7	652	8.57	576	5.71
LS-PS2A	10/6/2021	LP2A211006M	7.93		8.1	62	3.5
LS-PS2A	11/3/2021	LP2A211103M	10.2		1.04	44	0.83
LS-PS2A	12/8/2021	LP2A211208M	10.6		6	47	3.6
LS-PS4	10/11/2021	LP4-211011D	136	1460	616	940	488
LS-PS4	10/11/2021	LP4-211011I	133	1290	476	754	366
LS-PS4	11/4/2021	LP4-211104I	52.3	410	150	222	36
LS-PS4	12/9/2021	LP4-211209D	219	984	27.6	564	10.2
LS-PS4	12/9/2021	LP4-211209I	215	994	30.3	558	11.9
LS-V1A	10/6/2021	LV1A211006M	1200		131	2090	37.6
LS-V1A	11/3/2021	LV1A211103M	708		70	1120	28.7
LS-V1A	12/8/2021	LV1A211208M	473		165	800	35
LS-LEPS (Monthly)	10/6/2021	LEPS211006M	854		1050	2740	880
LS-LEPS (Monthly)	11/16/2021	LEPS211116M	110		98	950	76
LS-LEPS (Monthly)	12/7/2021	LEPS211207M	186		156	520	129
LS-LEPS (Permit)	10/6/2021	LEPS211006P					
LS-LEPS (Permit)	10/13/2021	LEPS211013P					
LS-LEPS (Permit)	10/21/2021	LEPS211021P					
LS-LEPS (Permit)	10/26/2021	LEPS211026P					
LS-LEPS (Permit)	11/4/2021	LEPS211104P					
LS-LEPS (Permit)	11/9/2021	LEPS211109P					
LS-LEPS (Permit)	11/16/2021	LEPS211116P					
LS-LEPS (Permit)	11/23/2021	LEPS211123P					
LS-LEPS (Permit)	11/30/2021	LEPS211130P					
LS-LEPS (Permit)	12/7/2021	LEPS211207P					
LS-LEPS (Permit)	12/14/2021	LEPS211214P					
LS-LEPS (Permit)	12/21/2021	LEPS211221P					
LS-LEPS (Permit)	12/29/2021	LEPS211229P					

ı Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Metal Data
Contact Person: Natalya Usova (206) 263-0608

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	10/11/2021	L567211011I	0.693	0.0156	0.244	0.812	0.001	0.000501	175	0.123
LS-A567	11/4/2021	L567211104I	0.418	0.0175	0.379	0.452	0.001	0.000501	65.2	0.166
LS-A567	12/9/2021	L567211209I	0.294	0.015	0.275	0.33	0.001	0.000501	57.4	0.128
LS-A81	10/11/2021	LA81211011I	0.776	0.00357	0.0135	0.0631	0.000985	0.000493	169	0.0301
LS-A81	11/4/2021	LA81211104I	1.09	0.00651	0.0213	0.216	0.001	0.000501	494	0.0514
LS-A81	12/9/2021	LA81211209I	0.617	0.00944	0.0349	0.179	0.000999	0.000499	343	0.0985
LS-CSW	11/4/2021	LCSW211104I	2.49	0.00298	0.00315	0.0303	0.000993	0.000497	18.7	0.00428
LS-CSW	12/9/2021	LCSW211209I	9.58	0.00299	0.00338	0.074	0.000998	0.000499	19.2	0.0181
LS-LEPS (Monthly)	10/6/2021	LEPS211006M								
LS-LEPS (Monthly)	11/16/2021	LEPS211116M								
LS-LEPS (Monthly)	12/7/2021	LEPS211207M								
LS-LEPS (Permit)	10/6/2021	LEPS211006P	1.3	0.0305	0.259	0.183	0.001	0.0005	99.1	0.154
LS-LEPS (Permit)	10/13/2021	LEPS211013P	0.799	0.0255	0.22	0.132	0.001	0.000501	74.9	0.123
LS-LEPS (Permit)	10/21/2021	LEPS211021P	0.604	0.0213	0.214	0.109	0.000996	0.000498	69.6	0.121
LS-LEPS (Permit)	10/26/2021	LEPS211026P	0.773	0.0185	0.178	0.119	0.001	0.000632	74.5	0.106
LS-LEPS (Permit)	11/4/2021	LEPS211104P	0.66	0.00796	0.062	0.0655	0.00099	0.000495	71.8	0.0434
LS-LEPS (Permit)	11/9/2021	LEPS211109P	0.701	0.00551	0.0483	0.0655	0.000996	0.000498	75.1	0.0332
LS-LEPS (Permit)	11/16/2021	LEPS211116P	0.79	0.00348	0.0297	0.048	0.000999	0.000499	53.4	0.0208
LS-LEPS (Permit)	11/23/2021	LEPS211123P	0.891	0.00378	0.0345	0.0498	0.001	0.000501	48.4	0.0229
LS-LEPS (Permit)	11/30/2021	LEPS211130P	0.834	0.00456	0.0392	0.0604	0.000997	0.000498	55.1	0.0289
LS-LEPS (Permit)	12/7/2021	LEPS211207P	0.861	0.00445	0.0385	0.0572	0.001	0.000501	45.9	0.0279
LS-LEPS (Permit)	12/14/2021	LEPS211214P	0.546	0.00462	0.0407	0.0568	0.001	0.0005	46.7	0.0294
LS-LEPS (Permit)	12/21/2021	LEPS211221P	1.49	0.00537	0.0481	0.0704	0.00102	0.000509	51.4	0.0326
LS-LEPS (Permit)	12/29/2021	LEPS211229P	0.355	0.00558	0.0497	0.0789	0.00101	0.000503	65.1	0.0374
LS-MH46N	10/6/2021	L46N211006M	0.0503	0.00302	0.107	0.542	0.00101	0.000503	96.1	0.116
LS-MH46N	11/3/2021	L46N211103M	0.129	0.00304	0.107	0.55	0.00101	0.000506	96.5	0.117
LS-MH46N	12/8/2021	L46N211208M	0.0501	0.00301	0.0985	0.353	0.001	0.000501	70.3	0.0863
LS-PS1A	10/11/2021	LP1A211011I	0.0885	0.00999	0.0634	0.0938	0.001	0.000502	32.4	0.0151
LS-PS1A	11/4/2021	LP1A211104I	0.0963	0.00298	0.00658	0.0178	0.000993	0.000497	15.6	0.00303
LS-PS1A	12/9/2021	LP1A211209I	0.0851	0.00685	0.0293	0.0404	0.000994	0.000497	23.4	0.00595
LS-PS2A	10/6/2021	LP2A211006M	0.0865	0.00298	0.00394	0.0123	0.000993	0.000497	14.3	0.00199
LS-PS2A	11/3/2021	LP2A211103M	0.0707	0.00298	0.00101	0.00644	0.000993	0.000497	13.1	0.00199
LS-PS2A	12/8/2021	LP2A211208M	0.0914	0.00299	0.00166	0.00639	0.000998	0.000499	12.4	0.00234
LS-PS4	10/11/2021	LP4-211011D	2.9	0.00647	0.0345	0.0683	0.000992	0.000496	53.3	0.012
LS-PS4	10/11/2021	LP4-211011I	2.9	0.00635	0.0334	0.0692	0.000988	0.000494	53.8	0.0113
LS-PS4	11/4/2021	LP4-211104I	4.08	0.00293	0.00663	0.0462	0.000976	0.000488	25.4	0.00758
LS-PS4	12/9/2021	LP4-211209D	0.609	0.00299	0.0194	0.0312	0.000996	0.000498	27.8	0.00824
LS-PS4	12/9/2021	LP4-211209I	0.592	0.00301	0.0189	0.03	0.000996	0.000498	28	0.00822
LS-V1A	10/6/2021	LV1A211006M	4.42	0.0172	0.181	0.194	0.00101	0.000503	55.6	0.109
LS-V1A	11/3/2021	LV1A211103M	1.93	0.00713	0.0638	0.111	0.00101	0.000506	110	0.0462
LS-V1A	12/8/2021	LV1A211208M	6.89	0.00662	0.0517	0.102	0.001	0.000502	55.1	0.0408

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Metal Data
Contact Person: Natalya Usova (206) 263-0608

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	10/11/2021	L567211011I	0.0425	0.0539	17.4	0.00359	69.3	1.55	0.0001	0.152
LS-A567	11/4/2021	L567211104I	0.0594	0.0588	4.49	0.0022	83.6	0.369	0.0001	0.2
LS-A567	12/9/2021	L567211209I	0.0432	0.0645	2.79	0.00187	69.1	0.36	0.0001	0.168
LS-A81	10/11/2021	LA81211011I	0.00916	0.00613	10.9	0.000985	39.7	2.78	0.0001	0.051
LS-A81	11/4/2021	LA81211104I	0.0118	0.0075	13.1	0.00178	76.4	8.04	0.0001	0.0765
LS-A81	12/9/2021	LA81211209I	0.0241	0.00574	4.2	0.00211	112	2.73	0.0001	0.135
LS-CSW	11/4/2021	LCSW211104I	0.00205	0.0113	3.15	0.000993	6.43	0.13	0.0001	0.00843
LS-CSW	12/9/2021	LCSW211209I	0.00711	0.0265	12.6	0.00343	9.1	0.473	0.0001	0.022
LS-LEPS (Monthly)	10/6/2021	LEPS211006M								
LS-LEPS (Monthly)	11/16/2021	LEPS211116M								
LS-LEPS (Monthly)	12/7/2021	LEPS211207M								
LS-LEPS (Permit)	10/6/2021	LEPS211006P	0.0368	0.0245	9.69	0.00348	91.1	0.98	0.0001	0.168
LS-LEPS (Permit)	10/13/2021	LEPS211013P	0.031	0.0136	7.4	0.00291	81.5	0.581	0.0001	0.146
LS-LEPS (Permit)	10/21/2021	LEPS211021P	0.0303	0.00874	6.71	0.00241	80.4	0.545	0.0002	0.15
LS-LEPS (Permit)	10/26/2021	LEPS211026P	0.0254	0.0117	6.17	0.00239	71	0.662	0.0001	0.126
LS-LEPS (Permit)	11/4/2021	LEPS211104P	0.00987	0.00939	3.5	0.00121	32.7	0.997	0.0001	0.0467
LS-LEPS (Permit)	11/9/2021	LEPS211109P	0.00772	0.00839	3.21	0.001	29.1	0.892	0.0001	0.0357
LS-LEPS (Permit)	11/16/2021	LEPS211116P	0.00507	0.00849	2.75	0.000999	18.4	0.621	0.0001	0.0234
LS-LEPS (Permit)	11/23/2021	LEPS211123P	0.00566	0.00791	2.36	0.001	18.6	0.479	0.0001	0.0242
LS-LEPS (Permit)	11/30/2021	LEPS211130P	0.00684	0.00865	2.67	0.000997	21.9	0.606	0.0001	0.0309
LS-LEPS (Permit)	12/7/2021	LEPS211207P	0.0068	0.00794	2.59	0.001	20.7	0.51	0.0001	0.0294
LS-LEPS (Permit)	12/14/2021	LEPS211214P	0.00702	0.00555	1.97	0.001	21	0.506	0.0001	0.0308
LS-LEPS (Permit)	12/21/2021	LEPS211221P	0.00846	0.00889	3.39	0.00111	25.7	0.6	0.0001	0.0375
LS-LEPS (Permit)	12/29/2021	LEPS211229P	0.00841	0.00517	2.57	0.00101	27.9	0.898	0.0001	0.0379
LS-MH46N	10/6/2021	L46N211006M	0.0399	0.00201	2.43	0.00101	58.3	0.465	0.0001	0.165
LS-MH46N	11/3/2021	L46N211103M	0.0413	0.00202	2.33	0.00101	57.9	0.442	0.0001	0.168
LS-MH46N	12/8/2021	L46N211208M	0.0304	0.00201	2	0.001	41.4	0.36	0.0001	0.123
LS-PS1A	10/11/2021	LP1A211011I	0.0095	0.0148	3.6	0.001	16.5	0.536	0.000225	0.0335
LS-PS1A	11/4/2021	LP1A211104I	0.0018	0.0151	1.39	0.000993	5.83	0.276	0.0001	0.0095
LS-PS1A	12/9/2021	LP1A211209I	0.00376	0.00842	2.75	0.000994	8.53	0.394	0.0001	0.0137
LS-PS2A	10/6/2021	LP2A211006M	0.00197	0.0192	3.54	0.000993	5.08	0.266	0.0001	0.0103
LS-PS2A	11/3/2021	LP2A211103M	0.000947	0.0251	0.481	0.000993	5.06	0.168	0.0001	0.00877
LS-PS2A	12/8/2021	LP2A211208M	0.00174	0.022	1.3	0.000998	4.76	0.278	0.0001	0.0102
LS-PS4	10/11/2021	LP4-211011D	0.00385	0.0149	10	0.0012	19.6	0.774	0.000113	0.0119
LS-PS4	10/11/2021	LP4-211011I	0.00381	0.0144	10.1	0.00112	20.3	0.781	0.0001	0.0117
LS-PS4	11/4/2021	LP4-211104I	0.00315	0.0197	5.19	0.00268	9.66	0.365	0.0001	0.0104
LS-PS4	12/9/2021	LP4-211209D	0.00287	0.00792	2.06	0.000996	14	0.388	0.0001	0.00884
LS-PS4	12/9/2021	LP4-211209I	0.00281	0.00768	2.04	0.000996	13.9	0.394	0.0001	0.00895
LS-V1A	10/6/2021	LV1A211006M	0.0257	0.0241	9.17	0.00346	41.4	0.615	0.0001	0.0856
LS-V1A	11/3/2021	LV1A211103M	0.0101	0.0126	4.18	0.0016	37.8	1.34	0.0001	0.0454
LS-V1A	12/8/2021	LV1A211208M	0.0114	0.0227	7.92	0.00318	27.8	0.688	0.0001	0.0429

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Metal Data
Contact Person: Natalya Usova (206) 263-0608

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	10/11/2021	L567211011I	439	0.00501	0.000401	1420	0.000752	0.0251	0.0955	0.172
LS-A567	11/4/2021	L567211104I	662	0.00501	0.000401	2140	0.000752	0.0401	0.12	0.139
LS-A567	12/9/2021	L567211209I	526	0.00501	0.000401	1670	0.000752	0.0277	0.102	0.109
LS-A81	10/11/2021	LA81211011I	138	0.00493	0.000394	270	0.000739	0.00493	0.0157	0.408
LS-A81	11/4/2021	LA81211104I	190	0.00501	0.000401	463	0.000752	0.00501	0.0306	0.606
LS-A81	12/9/2021	LA81211209I	341	0.00499	0.000399	793	0.000749	0.0091	0.0326	0.562
LS-CSW	11/4/2021	LCSW211104I	4.53	0.00497	0.000397	8.76	0.000745	0.00497	0.00729	0.0113
LS-CSW	12/9/2021	LCSW211209I	3.93	0.00499	0.000399	6.2	0.000748	0.00499	0.024	0.0491
LS-LEPS (Monthly)	10/6/2021	LEPS211006M								
LS-LEPS (Monthly)	11/16/2021	LEPS211116M								
LS-LEPS (Monthly)	12/7/2021	LEPS211207M								
LS-LEPS (Permit)	10/6/2021	LEPS211006P	476	0.005	0.0004	1360	0.00075	0.0121	0.0756	0.458
LS-LEPS (Permit)	10/13/2021	LEPS211013P	445	0.00501	0.000401	1220	0.000752	0.0106	0.068	0.342
LS-LEPS (Permit)	10/21/2021	LEPS211021P	435	0.00498	0.000399	1210	0.000747	0.0104	0.0654	0.311
LS-LEPS (Permit)	10/26/2021	LEPS211026P	381	0.005	0.0004	1020	0.00075	0.00986	0.0522	0.3
LS-LEPS (Permit)	11/4/2021	LEPS211104P	131	0.00495	0.000396	341	0.000743	0.00495	0.0208	0.134
LS-LEPS (Permit)	11/9/2021	LEPS211109P	109	0.00498	0.000398	289	0.000747	0.00498	0.0169	0.119
LS-LEPS (Permit)	11/16/2021	LEPS211116P	68.1	0.00499	0.000399	175	0.000749	0.00499	0.0107	0.0704
LS-LEPS (Permit)	11/23/2021	LEPS211123P	70.8	0.00501	0.000401	188	0.000752	0.00501	0.011	0.0699
LS-LEPS (Permit)	11/30/2021	LEPS211130P	84.2	0.00498	0.000399	235	0.000747	0.00498	0.0123	0.0749
LS-LEPS (Permit)	12/7/2021	LEPS211207P	81.4	0.00501	0.000401	222	0.000751	0.00501	0.0116	0.07
LS-LEPS (Permit)	12/14/2021	LEPS211214P	87.9	0.005	0.0004	238	0.000751	0.005	0.0113	0.0601
LS-LEPS (Permit)	12/21/2021	LEPS211221P	105	0.00509	0.000407	282	0.000763	0.00509	0.0147	0.0952
LS-LEPS (Permit)	12/29/2021	LEPS211229P	111	0.00503	0.000402	310	0.000754	0.00503	0.0138	0.0906
LS-MH46N	10/6/2021	L46N211006M	413	0.00503	0.000402	1370	0.000754	0.00503	0.159	0.00503
LS-MH46N	11/3/2021	L46N211103M	405	0.00506	0.000405	1420	0.000759	0.00506	0.156	0.00506
LS-MH46N	12/8/2021	L46N211208M	294	0.00501	0.000401	1040	0.000752	0.00501	0.112	0.00501
LS-PS1A	10/11/2021	LP1A211011I	69.5	0.00502	0.000402	259	0.000753	0.00502	0.0192	0.0637
LS-PS1A	11/4/2021	LP1A211104I	8.23	0.00497	0.000397	29	0.000745	0.00497	0.00325	0.0233
LS-PS1A	12/9/2021	LP1A211209I	27.2	0.00497	0.000398	91.3	0.000746	0.00497	0.00806	0.0124
LS-PS2A	10/6/2021	LP2A211006M	2.23	0.00497	0.000397	3.49	0.000745	0.00497	0.00529	0.0628
LS-PS2A	11/3/2021	LP2A211103M	1.71	0.00497	0.000397	2.61	0.000745	0.00497	0.00202	0.0185
LS-PS2A	12/8/2021	LP2A211208M	1.6	0.00499	0.000399	2.59	0.000748	0.00499	0.00329	0.0225
LS-PS4	10/11/2021	LP4-211011D	30.3	0.00496	0.000397	83.7	0.000744	0.00496	0.00985	0.0582
LS-PS4	10/11/2021	LP4-211011I	30.4	0.00494	0.000395	83.2	0.000741	0.00494	0.00978	0.0537
LS-PS4	11/4/2021	LP4-211104I	11	0.00488	0.000391	28.9	0.000732	0.00488	0.00884	0.0782
LS-PS4	12/9/2021	LP4-211209D	44.8	0.00498	0.000399	121	0.000747	0.00498	0.005	0.0229
LS-PS4	12/9/2021	LP4-211209I	45	0.00498	0.000398	121	0.000747	0.00498	0.00468	0.0219
LS-V1A	10/6/2021	LV1A211006M	266	0.00503	0.000402	732	0.000754	0.0138	0.0423	0.0955
LS-V1A	11/3/2021	LV1A211103M	125	0.00506	0.000405	353	0.000759	0.00539	0.0217	0.189
LS-V1A	12/8/2021	LV1A211208M	102	0.00502	0.000401	278	0.000753	0.00559	0.0216	0.131

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Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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	10/6/2021	LEPS211006M	2.5	1	1	1	1	1	1	1
LS-LEPS	11/16/2021	LEPS211116M	1.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LS-LEPS	12/7/2021	LEPS211207M	2.5	1	1	1	1	1	1	1
LS-MH46N	10/6/2021	L46N211006M	2.5	1	1	1	1	1	1	1
LS-MH46N	11/3/2021	L46N211103M	2.5	1	1	1	1	1	1	1
LS-MH46N	12/8/2021	L46N211208M	2.5	1	1	1	1	1	1	1
LS-PS2A	10/6/2021	LP2A211006M	0.25	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.25	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.25	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LS-V1A	10/6/2021	LV1A211006M	2.5	1	1	1	1	1	1	1
LS-V1A	11/3/2021	LV1A211103M	2.5	1	1	1	1	1	1	1
LS-V1A	12/8/2021	LV1A211208M	2.5	1	1	1	1	1	1	1

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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)
LS-LEPS	10/6/2021	LEPS211006M	25	1	1	1	1	1	1	1
LS-LEPS	11/16/2021	LEPS211116M	12.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LS-LEPS	12/7/2021	LEPS211207M	25	1	1	1	1	1	1	1
LS-MH46N	10/6/2021	L46N211006M	25	1	1	1	1	1	1	6.84
LS-MH46N	11/3/2021	L46N211103M	25	1	1	1	1	1	1	7.77
LS-MH46N	12/8/2021	L46N211208M	25	1	1.53	1	1	1	1	6.53
LS-PS2A	10/6/2021	LP2A211006M	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LS-PS2A	11/3/2021	LP2A211103M	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.504
LS-PS2A	12/8/2021	LP2A211208M	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.385
LS-V1A	10/6/2021	LV1A211006M	25	1	1	1	1	1	1	1
LS-V1A	11/3/2021	LV1A211103M	25	1	1	1	1	1	1	1
LS-V1A	12/8/2021	LV1A211208M	25	1	1	1	1	1	1	1

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	2,2-Dichloro-propane 594-20-7 (ug/L)	2-Butanone 78-93-3 (ug/L)
LS-LEPS	10/6/2021	LEPS211006M	1	709
LS-LEPS	11/16/2021	LEPS211116M	0.5	31.5
LS-LEPS	12/7/2021	LEPS211207M	1	24.1
LS-MH46N	10/6/2021	L46N211006M	1	2.5
LS-MH46N	11/3/2021	L46N211103M	1	2.5
LS-MH46N	12/8/2021	L46N211208M	1	2.5
LS-PS2A	10/6/2021	LP2A211006M	0.1	0.25
LS-PS2A	11/3/2021	LP2A211103M	0.1	0.25
LS-PS2A	12/8/2021	LP2A211208M	0.1	8.43
LS-V1A	10/6/2021	LV1A211006M	1	2440
LS-V1A	11/3/2021	LV1A211103M	1	3270
LS-V1A	12/8/2021	LV1A211208M	1	2270

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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	10/6/2021	LEPS211006M	5	50	1	25	1230	50	25	0.35	1
LS-LEPS	11/16/2021	LEPS211116M	2.5	25	0.5	12.5	393	25	12.5	0.175	0.5
LS-LEPS	12/7/2021	LEPS211207M	5	50	1	25	162	50	25	0.35	1
LS-MH46N	10/6/2021	L46N211006M	5	50	1	25	25	50	25	0.35	1
LS-MH46N	11/3/2021	L46N211103M	5	50	1	25	25	50	25	0.35	3.36
LS-MH46N	12/8/2021	L46N211208M	5	50	1	25	25	50	25	0.35	1
LS-PS2A	10/6/2021	LP2A211006M	0.5	5	0.1	2.5	4.37	5	2.5	0.035	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.5	5	0.1	2.5	3.79	5	2.5	0.035	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.5	5	0.1	2.5	17.4	5	2.5	0.035	0.11
LS-V1A	10/6/2021	LV1A211006M	5	50	1	30.4	3740	50	25	0.35	1
LS-V1A	11/3/2021	LV1A211103M	5.67	87.9	1	36	3020	50	25	0.35	1
LS-V1A	12/8/2021	LV1A211208M	5	50	1	25	2490	50	25	0.35	1

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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	10/6/2021	LEPS211006M	1	2.5	5	1	1	2.5	1	5	1
LS-LEPS	11/16/2021	LEPS211116M	0.5	1.25	2.5	0.5	0.5	1.25	0.5	2.5	0.5
LS-LEPS	12/7/2021	LEPS211207M	1	2.5	5	1	1	2.5	1	5	1
LS-MH46N	10/6/2021	L46N211006M	1	2.5	5	1	1	2.5	1.73	5	1
LS-MH46N	11/3/2021	L46N211103M	1	2.5	5	1	1	2.5	1	5	1
LS-MH46N	12/8/2021	L46N211208M	1	2.5	5	1	1	2.5	1.57	5	1
LS-PS2A	10/6/2021	LP2A211006M	0.1	0.25	0.5	0.1	0.1	0.25	0.1	0.5	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.1	0.25	0.5	0.1	0.1	0.25	0.206	0.5	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.1	0.25	0.5	0.1	0.1	0.25	0.152	0.5	0.1
LS-V1A	10/6/2021	LV1A211006M	1	2.5	5	1	1	2.5	1	5	1
LS-V1A	11/3/2021	LV1A211103M	1	2.5	5	1	1	2.5	1	5	1
LS-V1A	12/8/2021	LV1A211208M	1	2.5	5	1	1	2.5	1	5	1

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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)
LS-LEPS	10/6/2021	LEPS211006M	1	2.5	1	1	2.5	1	1	1
LS-LEPS	11/16/2021	LEPS211116M	0.5	1.25	0.5	0.5	1.25	0.5	0.5	0.5
LS-LEPS	12/7/2021	LEPS211207M	1	2.5	1	1	2.5	1	1	1
LS-MH46N	10/6/2021	L46N211006M	1	2.5	1	1	2.5	1	1	30.4
LS-MH46N	11/3/2021	L46N211103M	1	2.5	1	1	2.5	1	1	35.5
LS-MH46N	12/8/2021	L46N211208M	1	2.5	1	1	2.5	1	1	29.1
LS-PS2A	10/6/2021	LP2A211006M	0.1	0.25	0.1	0.1	0.25	0.1	0.1	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.1	0.25	0.1	0.1	0.25	0.1	0.1	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.1	0.25	0.1	0.1	0.25	0.1	0.1	0.16
LS-V1A	10/6/2021	LV1A211006M	1	2.5	1	1.03	2.5	1	1	1
LS-V1A	11/3/2021	LV1A211103M	1	2.5	1	1	2.5	1	1	2.65
LS-V1A	12/8/2021	LV1A211208M	1	2.5	1	1	2.5	1	1	1.42

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

Site	Date	Sample ID	m & p Xylenes mpx (ug/L)
LS-LEPS	10/6/2021	LEPS211006M	1
LS-LEPS	11/16/2021	LEPS211116M	0.586
LS-LEPS	12/7/2021	LEPS211207M	1
LS-MH46N	10/6/2021	L46N211006M	25
LS-MH46N	11/3/2021	L46N211103M	30.1
LS-MH46N	12/8/2021	L46N211208M	34.5
LS-PS2A	10/6/2021	LP2A211006M	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.358
LS-V1A	10/6/2021	LV1A211006M	1
LS-V1A	11/3/2021	LV1A211103M	5.27
LS-V1A	12/8/2021	LV1A211208M	3.02

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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	10/6/2021	LEPS211006M	1	2.5	1	25	1	5	1	1
LS-LEPS	11/16/2021	LEPS211116M	0.5	1.25	0.5	12.5	0.5	2.5	0.5	0.5
LS-LEPS	12/7/2021	LEPS211207M	1	2.5	1	25	1	5	1	1
LS-MH46N	10/6/2021	L46N211006M	1	2.5	1	25	1	5	1	1
LS-MH46N	11/3/2021	L46N211103M	1	2.5	1	25	1	5	1	1
LS-MH46N	12/8/2021	L46N211208M	1	2.5	1	25	1	5	1	1
LS-PS2A	10/6/2021	LP2A211006M	0.1	0.25	0.1	2.5	0.1	0.5	0.1	0.1
LS-PS2A	11/3/2021	LP2A211103M	0.1	0.25	0.1	2.5	0.1	0.5	0.1	0.1
LS-PS2A	12/8/2021	LP2A211208M	0.1	0.25	0.1	2.5	0.138	0.5	0.1	0.1
LS-V1A	10/6/2021	LV1A211006M	1	2.5	1	25	1	5	1	1
LS-V1A	11/3/2021	LV1A211103M	1	2.5	1	25	2.69	5	1	1
LS-V1A	12/8/2021	LV1A211208M	1	2.5	1	25	1.46	5	1	1

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate VOA Data
Contact Person: Natalya Usova (206) 263-0608

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	10/6/2021	LEPS211006M	1	1	5	5	1	1	1	0.1
LS-LEPS	11/16/2021	LEPS211116M	0.568	0.5	2.5	2.5	0.5	0.5	0.5	0.05
LS-LEPS	12/7/2021	LEPS211207M	1	1	5	5	1	1	1	0.1
LS-MH46N	10/6/2021	L46N211006M	3.2	1	5	5	1	1	1	2.05
LS-MH46N	11/3/2021	L46N211103M	3.76	1	5	5	1	1	1	1.2
LS-MH46N	12/8/2021	L46N211208M	3.58	1	5	5	1	1	1	4.35
LS-PS2A	10/6/2021	LP2A211006M	0.1	0.1	0.5	0.5	0.1	0.1	0.1	0.01
LS-PS2A	11/3/2021	LP2A211103M	0.1	0.1	0.5	0.5	0.1	0.1	0.1	0.01
LS-PS2A	12/8/2021	LP2A211208M	0.165	0.1	0.5	0.5	0.1	0.1	0.1	0.0504
LS-V1A	10/6/2021	LV1A211006M	1	1	5	5	1	1	1	0.1
LS-V1A	11/3/2021	LV1A211103M	63.7	1	5	5	1	1	1	0.1
LS-V1A	12/8/2021	LV1A211208M	20.2	1	5	5	1	1	1	0.1

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Pest-Herb-PCB Data
Contact Person: Natalya Usova (206) 263-0608

		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
		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
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
LS-LEPS	10/6/2021	LEPS211006M	0.5	2	1.83	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LS-LEPS	11/16/2021	LEPS211116M	0.5	0.5	1	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LS-LEPS	12/7/2021	LEPS211207M	0.5	0.5	1	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LS-MH46N	10/6/2021	L46N211006M	0.5	1.04	2.44	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.0675	0.025
LS-MH46N	11/3/2021	L46N211103M	0.5	1.01	1	0.1	0.1	0.1	0.1	0.1	0.1	0.025	0.025	0.025
LS-MH46N	12/8/2021	L46N211208M	0.5	0.666	1.8	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.0624	0.025
LS-PS2A	10/6/2021	LP2A211006M	0.5	0.5	1	0.01	0.01	0.01	0.01	0.01	0.01	0.025	0.025	0.025
LS-PS2A	11/3/2021	LP2A211103M	0.5	0.5	1	0.01	0.01	0.01	0.01	0.01	0.01	0.025	0.025	0.025
LS-PS2A	12/8/2021	LP2A211208M	0.5	0.5	1	0.01	0.01	0.01	0.01	0.01	0.01	0.025	0.025	0.025
LS-V1A	10/6/2021	LV1A211006M	0.5	1	1	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LS-V1A	11/3/2021	LV1A211103M	0.5	0.5	1	0.1	0.1	0.1	0.1	0.1	0.1	0.025	0.075	0.025
LS-V1A	12/8/2021	LV1A211208M	0.5	0.5	1	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.05	0.025

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Pest-Herb-PCB Data
Contact Person: Natalya Usova (206) 263-0608

		Chemical Name	Aroclor 1242
		CAS_RN	53469-21-9
Site	Date	Sample ID	ug/l
LS-LEPS	10/6/2021	LEPS211006M	0.0589
LS-LEPS	11/16/2021	LEPS211116M	0.0561
LS-LEPS	12/7/2021	LEPS211207M	0.0417
LS-MH46N	10/6/2021	L46N211006M	0.161
LS-MH46N	11/3/2021	L46N211103M	0.0876
LS-MH46N	12/8/2021	L46N211208M	0.123
LS-PS2A	10/6/2021	LP2A211006M	0.025
LS-PS2A	11/3/2021	LP2A211103M	0.025
LS-PS2A	12/8/2021	LP2A211208M	0.025
LS-V1A	10/6/2021	LV1A211006M	0.223
LS-V1A	11/3/2021	LV1A211103M	0.0668
LS-V1A	12/8/2021	LV1A211208M	0.0457

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Pest-Herb-PCB Data
Contact Person: Natalya Usova (206) 263-0608

		Chemical Name	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate
		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
Site	Date	Sample ID	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
LS-LEPS	10/6/2021	LEPS211006M	0.025	0.025	0.025	0.075	0.05	0.025	0.5	0.025	0.025	0.025
LS-LEPS	11/16/2021	LEPS211116M	0.025	0.025	0.025	0.025	0.025	0.025	0.5	0.05	0.025	0.025
LS-LEPS	12/7/2021	LEPS211207M	0.025	0.025	0.025	0.025	0.025	0.025	0.5	0.025	0.025	0.025
LS-MH46N	10/6/2021	L46N211006M	0.025	0.025	0.025	0.025	0.025	0.025	0.5	0.025	0.025	0.025
LS-MH46N	11/3/2021	L46N211103M	0.025	0.025	0.025	0.1	0.1	0.1	0.5	0.1	0.1	0.1
LS-MH46N	12/8/2021	L46N211208M	0.025	0.025	0.025	0.025	0.025	0.025	0.5	0.025	0.025	0.025
LS-PS2A	10/6/2021	LP2A211006M	0.025	0.025	0.025	0.01	0.01	0.01	0.5	0.01	0.01	0.01
LS-PS2A	11/3/2021	LP2A211103M	0.025	0.025	0.025	0.01	0.01	0.01	0.5	0.01	0.01	0.01
LS-PS2A	12/8/2021	LP2A211208M	0.025	0.025	0.025	0.01	0.01	0.01	0.5	0.01	0.01	0.01
LS-V1A	10/6/2021	LV1A211006M	0.025	0.0465	0.025	0.025	0.025	0.025	0.5	0.025	0.025	0.025
LS-V1A	11/3/2021	LV1A211103M	0.025	0.025	0.025	0.1	0.1	0.1	0.5	0.1	0.1	0.1
LS-V1A	12/8/2021	LV1A211208M	0.025	0.025	0.025	0.025	0.025	0.025	0.5	0.025	0.025	0.025

See Data Qualifier List for Qualifier Information.

Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Pest-Herb-PCB Data
Contact Person: Natalya Usova (206) 263-0608

		Chemical Name	Endrin
		CAS_RN	72-20-8
Site	Date	Sample ID	ug/l
LS-LEPS	10/6/2021	LEPS211006M	0.025
LS-LEPS	11/16/2021	LEPS211116M	0.025
LS-LEPS	12/7/2021	LEPS211207M	0.025
LS-MH46N	10/6/2021	L46N211006M	0.025
LS-MH46N	11/3/2021	L46N211103M	0.1
LS-MH46N	12/8/2021	L46N211208M	0.025
LS-PS2A	10/6/2021	LP2A211006M	0.01
LS-PS2A	11/3/2021	LP2A211103M	0.01
LS-PS2A	12/8/2021	LP2A211208M	0.01
LS-V1A	10/6/2021	LV1A211006M	0.025
LS-V1A	11/3/2021	LV1A211103M	0.1
LS-V1A	12/8/2021	LV1A211208M	0.025

See Data Qualifier List for Qualifier Information.

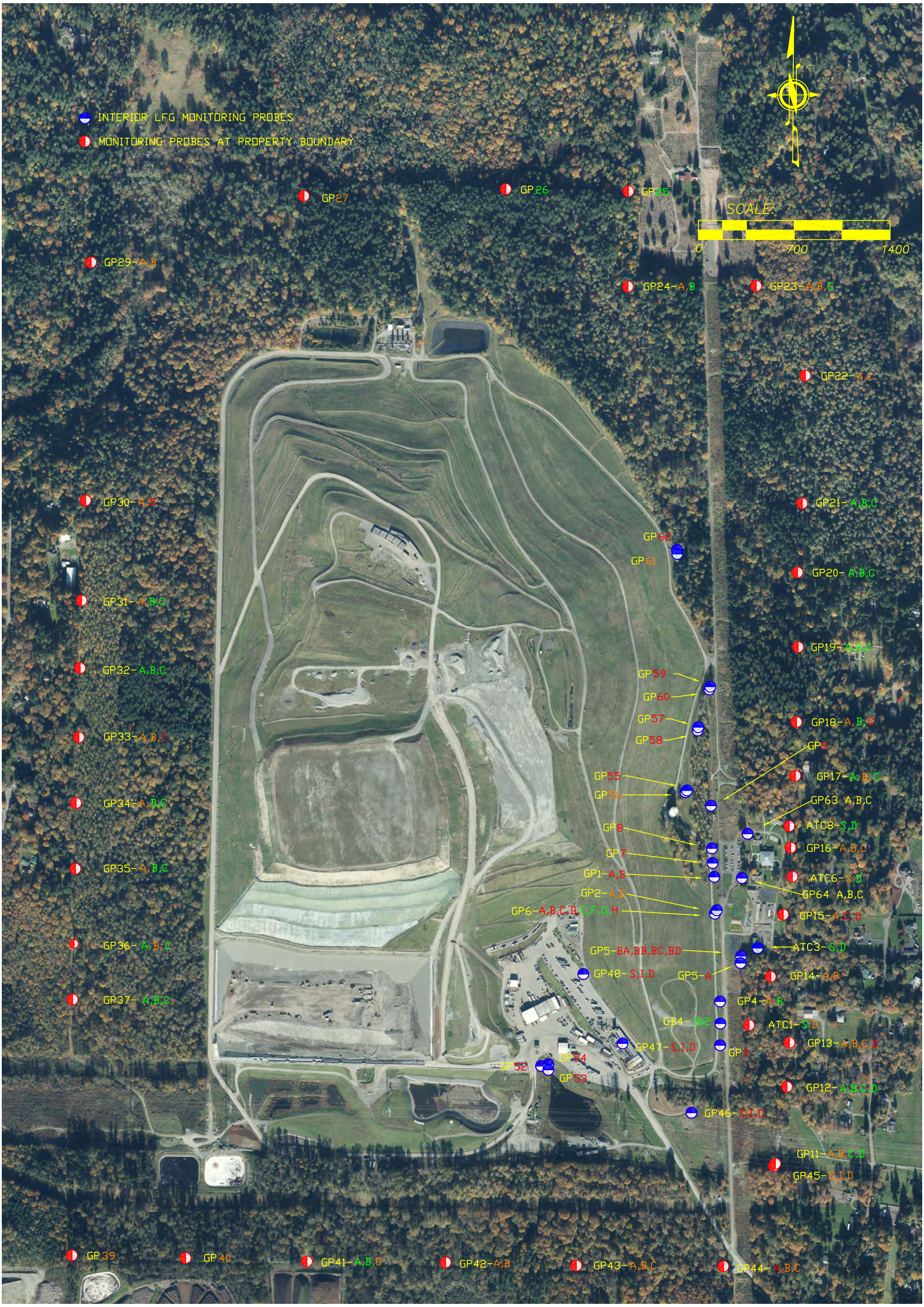
Data Collected from October 01, 2021 to December 31, 2021
Cedar Hills Landfill --- Leachate Pest-Herb-PCB Data
Contact Person: Natalya Usova (206) 263-0608

		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	10/6/2021	LEPS211006M	0.025	0.025	0.025	0.025	0.025	0.125	0.0589	2.5	0.025
LS-LEPS	11/16/2021	LEPS211116M	0.025	0.025	0.025	0.025	0.025	0.125	0.0561	2.5	0.025
LS-LEPS	12/7/2021	LEPS211207M	0.025	0.025	0.025	0.025	0.025	0.125	0.0417	2.5	0.025
LS-MH46N	10/6/2021	L46N211006M	0.025	0.025	0.025	0.025	0.025	0.125	0.2285	2.5	0.025
LS-MH46N	11/3/2021	L46N211103M	0.1	0.1	0.1	0.1	0.1	0.5	0.0876	10	0.1
LS-MH46N	12/8/2021	L46N211208M	0.025	0.025	0.025	0.025	0.025	0.125	0.1854	2.5	0.025
LS-PS2A	10/6/2021	LP2A211006M	0.01	0.01	0.01	0.01	0.01	0.05	0.025	1	0.01
LS-PS2A	11/3/2021	LP2A211103M	0.01	0.01	0.01	0.01	0.01	0.05	0.025	1	0.01
LS-PS2A	12/8/2021	LP2A211208M	0.01	0.01	0.01	0.01	0.01	0.05	0.025	1	0.01
LS-V1A	10/6/2021	LV1A211006M	0.025	0.025	0.025	0.025	0.025	0.125	0.2695	2.5	0.025
LS-V1A	11/3/2021	LV1A211103M	0.1	0.1	0.1	0.1	0.1	0.5	0.0668	10	0.1
LS-V1A	12/8/2021	LV1A211208M	0.025	0.025	0.025	0.025	0.025	0.125	0.0457	2.5	0.025

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
GP31-A,B,C
GP32-A,B,C
GP33-A,B,C
GP34-A,B,C
GP35-A,B,C
GP36-A,B,C
GP37-A,B,C
GP62
GP61
GP59
GP60
GP57
GP58
GP55
GP56
GP8
GP7
GP1-A,B
GP2-A,B
GP6-A,B,C,D,E,F,G,H
GP5-BA,BB,BC,BD
GP5-A
GP48-S,I,D
GP47-S,I,D
GP54
GP52
GP53
GP21-A,B,C
GP20-A,B,C
GP19-A,B,C
GP18-A,B,C
GP9
GP17-A,B,C
GP63 A,B,C
ATC8-S,D
GP16-A,B,C
ATC6-S,D
GP64 A,B,C
GP15-A,C,D
ATC3-S,D
GP14-A,B
GP4-A,B
GB4-1&2
ATC1-S,D
GP3
GP13-A,B,C,D
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

Compliance Probes

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
October 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	10/13/2021 11:46	0.0	0.2	18.4	0.0	0.88	
ATC-1S	10/13/2021 11:45	0.0	1.5	19.1	0.0	-0.42	
ATC-6D	10/13/2021 13:50	0.0	0.5	18.7	0.0	-0.03	
ATC-6S	10/13/2021 13:49	0.0	0.8	19.2	0.0	0	
ATC-8D	10/13/2021 13:41	0.0	0.9	19.2	0.0	-0.09	
ATC-8S	10/13/2021 13:40	0.0	0.2	19.3	0.0	-0.21	
GP-11A	10/13/2021 11:29	0.0	1.0	19.0	0	0.05	
GP-11B	10/13/2021 11:31	0.0	0.4	17.1	0	-0.01	
GP-11C	10/13/2021 11:35	0.0	0.1	19.2	0	-0.22	
GP-11D	10/13/2021 11:37	0.0	0.1	19.4	0	-0.38	
GP-12A	10/13/2021 12:05	0.0	1.2	19.3	0	0.06	
GP-12B	10/13/2021 12:07	0.0	0.1	19.9	0	0.62	
GP-12C	10/13/2021 12:09	0.0	0.1	19.8	0	0.02	
GP-12D	10/13/2021 12:11	0.0	0.1	19.7	0	0.05	
GP-13A	10/13/2021 11:52	0.0	1.4	19.0	0	0.04	
GP-13B	10/13/2021 11:54	0.0	0.4	17.7	0	0.01	
GP-13C	10/13/2021 11:56	0.0	0.1	19.8	0	0.05	
GP-13D	10/13/2021 11:59	0.0	0.1	19.4	0	0.15	
GP-14A	10/13/2021 12:19	0.0	0.1	19.6	0	0.09	
GP-14B	10/13/2021 12:22	0.0	0.1	19.9	0	0.07	
GP-15A	10/13/2021 13:25	0.0	0.1	19.5	0	0.18	
GP-15C	10/13/2021 13:26	0.0	1.4	13.0	0	0.04	
GP-15D	10/13/2021 13:28	0.0	0.1	19.1	0	0.03	
GP-16A	10/13/2021 13:43	0.0	1.5	18.7	0	0.03	
GP-16B	10/13/2021 13:45	0.0	0.1	19.4	0	-1.63	
GP-16C	10/13/2021 13:46	0.0	0.1	19.6	0	-0.04	
GP-17A	10/13/2021 14:29	0.0	2.8	17.6	0	0	
GP-17B	10/13/2021 14:31	0.0	0.6	16.8	0	0.01	
GP-17C	10/13/2021 14:32	0.0	0.1	19.6	0	0	
GP-18A	10/13/2021 14:35	0.0	2.7	17.6	0	0	
GP-18B	10/13/2021 14:37	0.0	0.4	15.6	0	0.06	
GP-18C	10/13/2021 14:38	0.0	0.2	17.3	0	0.1	
GP-19A	10/13/2021 14:41	0.0	1.2	18.2	0	-0.02	
GP-19B	10/13/2021 14:43	0.0	0.6	16.3	0	-0.09	
GP-19C	10/13/2021 14:45	0.0	0.1	19.9	0	0.04	
GP-20A	10/13/2021 14:48	0.0	0.9	19.6	0	0.02	
GP-20B	10/13/2021 14:49	0.0	0.2	19.9	0	-0.04	
GP-20C	10/13/2021 14:51	0.0	0.2	12.8	0	0.07	
GP-21A	10/13/2021 14:54	0.0	0.8	18.5	0	-0.01	
GP-21B	10/13/2021 14:56	0.0	0.1	16.2	0	0.16	
GP-21C	10/13/2021 14:58	0.0	0.6	16.6	0	-1.24	
GP-22A	10/13/2021 15:01	0.0	2.6	18.4	0	0.03	
GP-22C	10/13/2021 15:03	0.0	0.6	10.8	0	0.07	
GP-23A	10/13/2021 15:07	0.0	0.1	19.7	0	0	
GP-23B	10/13/2021 15:09	0.0	0.0	20.4	0	0.03	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
October 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-23C	10/13/2021 15:10	0.0	0.0	20.5	0	0.03	
GP-24A	10/13/2021 15:14	0.0	4.3	17.0	0	0.06	
GP-24B	10/13/2021 15:16	0.0	0.3	20.1	0	-0.02	
GP-25	10/13/2021 15:19	0.0	2.6	17.7	0	0.02	
GP-26	10/13/2021 15:22	0.0	0.4	19.3	0	-0.44	
GP-27	10/13/2021 15:30	0.0	9.1	15.6	0	0.04	
GP-29A	10/13/2021 15:35	0.0	2.3	17.8	0	-0.02	
GP-29B	10/13/2021 15:36	0.0	0.3	20.0	0	-0.09	
GP-30A	10/13/2021 9:53	0.0	0.4	21.0	0	-0.08	
GP-30B	10/13/2021 9:55	0.0	1.0	18.4	0	-0.75	
GP-31A	10/13/2021 9:59	0.0	5.7	15.5	0	-0.01	
GP-31B	10/13/2021 10:01	0.0	0.2	16.8	0	-0.7	
GP-31C	10/13/2021 10:03	0.0	1.2	17.6	0	0.04	
GP-32A	10/13/2021 10:06	0.0	0.1	18.8	0	-0.07	
GP-32B	10/13/2021 10:08	0.0	0.1	18.9	0	-0.12	
GP-32C	10/13/2021 10:09	0.0	0.3	18.8	0	-0.03	
GP-33A	10/13/2021 10:12	0.0	2.3	17.5	0	-0.01	
GP-33B	10/13/2021 10:13	0.0	0.2	19.0	0	0.16	
GP-33C	10/13/2021 10:15	0.0	0.1	19.2	0	-0.84	
GP-34A	10/13/2021 10:18	0.0	8.2	13.2	0	0.03	
GP-34B	10/13/2021 10:20	0.0	0.1	18.9	0	-0.07	
GP-34C	10/13/2021 10:21	0.0	0.1	18.7	0	0.22	
GP-35A	10/13/2021 10:24	0.0	5.3	16.5	0	-0.02	
GP-35B	10/13/2021 10:25	0.0	0.1	18.8	0	-0.01	
GP-35C	10/13/2021 10:27	0.0	0.1	19.1	0	-0.13	
GP-36A	10/13/2021 10:29	0.0	0.3	18.8	0	-1.29	
GP-36B	10/13/2021 10:31	0.0	2.4	17.9	0	-0.18	
GP-36C	10/13/2021 10:32	0.0	0.3	14.8	0	0	
GP-37A	10/13/2021 10:36	0.0	1.7	17.0	0	-0.1	
GP-37B	10/13/2021 10:36	0.0	1.6	17.3	0	0.04	
GP-37C	10/13/2021 10:39	0.0	0.5	4.3	0	0.48	
GP-39	10/13/2021 10:45	0.0	0.3	16.6	0	-0.03	
GP-40	10/13/2021 10:49	0.0	0.1	19.4	0	-0.02	
GP-41A	10/13/2021 10:53	0.0	5.4	16.5	0	-0.01	
GP-41B	10/13/2021 10:55	0.0	0.8	12.3	0	-0.05	
GP-41C	10/13/2021 10:56	0.0	0.1	19.0	0	-0.01	
GP-42A	10/13/2021 11:00	0.0	3.9	15.4	0	-0.09	
GP-42B	10/13/2021 11:01	0.0	0.6	17.6	0	-0.24	
GP-43A	10/13/2021 11:05	0.0	0.4	18.0	0	-0.73	
GP-43B	10/13/2021 11:06	0.0	0.2	19.3	0	-0.04	
GP-43C	10/13/2021 11:07	0.0	0.1	19.4	0	-0.08	
GP-44A	10/13/2021 11:11	0.0	9.0	12.7	0	-0.07	
GP-44B	10/13/2021 11:13	0.0	3.1	16.7	0	-0.1	
GP-44C	10/13/2021 11:14	0.0	0.1	19.5	0	-0.12	
GP-45D	10/13/2021 11:25	0.0	0.1	19.2	0	-0.18	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
October 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-45I	10/13/2021 11:23	0.0	0.1	19.3	0	-0.09	
GP-45S	10/13/2021 11:21	0.0	0.1	19.3	0	-0.04	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
November 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	11/10/2021 9:49	0.0	0.1	20.6	0.0	0.03	
ATC-1S	11/10/2021 9:47	0.0	0.1	20.6	0.0	0.03	
ATC-6D	11/10/2021 11:08	0.0	0.1	20.5	0.0	0.06	
ATC-6S	11/10/2021 11:06	0.0	0.4	19.9	0.0	6.63	
ATC-8D	11/10/2021 10:56	0.0	1.9	16.7	0.0	0.02	
ATC-8S	11/10/2021 10:55	0.0	0.3	14.9	0.0	0.61	
GP-11A	11/10/2021 9:34	0.0	1.0	19.6	0.0	0.09	
GP-11B	11/10/2021 9:35	0.0	0.1	20.7	0.0	-1.59	
GP-11C	11/10/2021 9:36	0.0	0.1	20.8	0.0	-1.62	
GP-11D	11/10/2021 9:37	0.0	0.2	15.6	0.0	0.05	
GP-12A	11/10/2021 9:55	0.0	1.2	19.6	0.0	0.04	
GP-12B	11/10/2021 9:56	0.0	0.1	20.7	0.0	0.07	
GP-12C	11/10/2021 9:57	0.0	0.1	19.7	0.0	-0.03	
GP-12D	11/10/2021 9:59	0.0	0.1	20.8	0.0	-4.64	
GP-13A	11/10/2021 10:03	0.0	0.9	19.7	0.0	0.07	
GP-13B	11/10/2021 10:04	0.0	0.4	17.6	0.0	0.71	
GP-13C	11/10/2021 10:05	0.0	0.1	20.6	0.0	0.07	
GP-13D	11/10/2021 10:06	0.0	0.1	20.8	0.0	-4.91	
GP-14A	11/10/2021 10:11	0.0	0.1	20.8	0.0	-1.62	
GP-14B	11/10/2021 10:13	0.0	0.1	20.8	0.0	-0.48	
GP-15A	11/10/2021 10:37	0.0	0.1	20.7	0.0	0.02	
GP-15C	11/10/2021 10:38	0.0	0.6	17.5	0.0	-0.04	
GP-15D	11/10/2021 10:40	0.0	0.1	20.7	0.0	0.01	
GP-16A	11/10/2021 10:59	0.0	0.3	20.4	0.0	0.03	
GP-16B	11/10/2021 11:00	0.0	0.2	20.6	0.0	-3.07	
GP-16C	11/10/2021 11:01	0.0	0.1	20.7	0.0	-4.92	
GP-17A	11/10/2021 13:17	0.0	0.0	0.0	0.0	0	NR H2O
GP-17B	11/10/2021 13:18	0.0	0.6	14.8	0.0	0	
GP-17C	11/10/2021 13:19	0.0	0.1	20.1	0.0	-3.85	
GP-18A	11/10/2021 13:22	0.0	2.5	16.6	0.0	-0.01	
GP-18B	11/10/2021 13:24	0.0	0.1	19.7	0.0	-0.03	
GP-18C	11/10/2021 13:25	0.0	0.1	20.3	0.0	-3.17	
GP-19A	11/10/2021 13:29	0.0	0.1	20.4	0.0	-0.02	
GP-19B	11/10/2021 13:30	0.0	0.5	16.7	0.0	-0.03	
GP-19C	11/10/2021 13:31	0.0	0.1	20.4	0.0	-0.18	
GP-20A	11/10/2021 13:34	0.0	0.1	20.4	0.0	-0.01	
GP-20B	11/10/2021 13:35	0.0	0.1	20.4	0.0	-0.1	
GP-20C	11/10/2021 13:37	0.0	0.2	7.8	0.0	0	
GP-21A	11/10/2021 13:40	0.0	0.1	19.8	0.0	-0.03	
GP-21B	11/10/2021 13:42	0.0	0.1	10.8	0.0	-0.06	
GP-21C	11/10/2021 13:43	0.0	0.0	0.0	0.0	0	NR flow fail
GP-22A	11/10/2021 13:48	0.0	0.8	19.7	0.0	2.53	
GP-22C	11/10/2021 13:49	0.0	0.9	5.5	0.0	-3.9	
GP-23A	11/10/2021 13:55	0.0	0.1	20.2	0.0	-0.03	
GP-23B	11/10/2021 13:56	0.0	0.1	20.5	0.0	-0.02	
GP-23C	11/10/2021 13:57	0.0	0.0	20.5	0.0	-0.07	
GP-24A	11/10/2021 14:02	0.0	1.8	17.9	0.0	-0.1	
GP-24B	11/10/2021 14:03	0.0	0.2	20.2	0.0	-2.27	
GP-25	11/10/2021 14:08	0.0	2.7	15.3	0.0	-0.03	
GP-26	11/10/2021 14:11	0.0	0.3	19.5	0.0	-0.99	

GP-27	11/10/2021 14:16	0.0	9.0	9.0	0.0	-0.08	
GP-29A	11/10/2021 14:21	0.0	0.8	19.6	0.0	-0.01	
GP-29B	11/10/2021 14:22	0.0	0.2	20.4	0.0	-0.13	
GP-30A	11/10/2021 7:51	0.0	0.3	21.0	0.0	0.01	
GP-30B	11/10/2021 7:53	0.0	1.0	20.3	0.0	-1.59	
GP-31A	11/10/2021 7:57	0.0	6.2	14.5	0.0	0.02	
GP-31B	11/10/2021 7:58	0.0	0.1	20.9	0.0	-1.21	
GP-31C	11/10/2021 8:00	0.0	1.3	18.8	0.0	-0.04	
GP-32A	11/10/2021 8:03	0.0	0.1	21.0	0.0	0.01	
GP-32B	11/10/2021 8:04	0.0	0.2	21.0	0.0	0.01	
GP-32C	11/10/2021 8:07	0.0	0.2	20.5	0.0	-0.05	
GP-33A	11/10/2021 8:10	0.0	0.5	20.2	0.0	0.03	
GP-33B	11/10/2021 8:12	0.0	0.1	20.8	0.0	0.01	
GP-33C	11/10/2021 8:13	0.0	0.1	20.9	0.0	-2.4	
GP-34A	11/10/2021 8:17	0.0	10.3	8.0	0.0	0	
GP-34B	11/10/2021 8:18	0.0	0.1	20.8	0.0	0	
GP-34C	11/10/2021 8:20	0.0	0.1	20.9	0.0	-3.47	
GP-35A	11/10/2021 8:23	0.0	2.6	17.0	0.0	0	
GP-35B	11/10/2021 8:24	0.0	0.1	21.0	0.0	0.01	
GP-35C	11/10/2021 8:26	0.0	0.1	20.9	0.0	-0.24	
GP-36A	11/10/2021 8:29	0.0	0.2	21.0	0.0	-3.42	
GP-36B	11/10/2021 8:30	0.0	2.4	16.6	0.0	0.01	
GP-36C	11/10/2021 8:32	0.0	0.1	21.0	0.0	-0.59	
GP-37A	11/10/2021 8:46	0.0	0.1	20.8	0.0	0.03	
GP-37B	11/10/2021 8:49	0.0	0.0	0.0	0.0	0	NR flow fail
GP-37C	11/10/2021 8:51	0.0	0.1	20.6	0.0	-4.47	
GP-39	11/10/2021 8:39	0.0	0.1	20.8	0.0	-0.49	
GP-40	11/10/2021 8:58	0.0	0.1	20.5	0.0	-0.21	
GP-41A	11/10/2021 9:02	0.0	0.1	20.6	0.0	0.04	
GP-41B	11/10/2021 9:03	0.0	0.1	20.3	0.0	-0.08	
GP-41C	11/10/2021 9:04	0.0	0.1	20.7	0.0	0.03	
GP-42A	11/10/2021 9:09	0.0	0.0	0.0	0.0	0	NR H2O
GP-42B	11/10/2021 9:11	0.0	0.5	19.4	0.0	-2	
GP-43A	11/10/2021 9:15	0.0	0.0	0.0	0.0	0	NR flow fail
GP-43B	11/10/2021 9:16	0.0	0.1	20.7	0.0	0.04	
GP-43C	11/10/2021 9:18	0.0	0.1	19.9	0.0	-3.48	
GP-44A	11/10/2021 9:21	0.0	0.4	20.4	0.0	0.03	
GP-44B	11/10/2021 9:23	0.0	0.1	20.7	0.0	0	
GP-44C	11/10/2021 9:24	0.0	0.1	20.8	0.0	0.04	
GP-45D	11/10/2021 9:31	0.0	0.1	20.8	0.0	-1.7	
GP-45I	11/10/2021 9:30	0.0	0.1	20.7	0.0	-0.03	
GP-45S	11/10/2021 9:29	0.0	0.2	18.7	0.0	0.06	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
December 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	12/29/2021 11:46	0.0	0.1	20.6	0.0	-0.15	
ATC-1S	12/29/2021 11:44	0.0	1.1	19.3	0.0	-2.76	
ATC-6D	--	--	--	--	--	--	Not Sampled/Weather/COVID
ATC-6S	--	--	--	--	--	--	Not Sampled/Weather/COVID
ATC-8D	--	--	--	--	--	--	Not Sampled/Weather/COVID
ATC-8S	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-11A	12/29/2021 11:29	0.0	0.3	20.4	0	-0.13	
GP-11B	12/29/2021 11:30	0.0	0.1	20.7	0	-1	
GP-11C	12/29/2021 11:31	0.0	0.1	20.8	0	-0.96	
GP-11D	12/29/2021 11:32	0.0	0.1	20.6	0	-0.02	
GP-12A	12/29/2021 12:02	0.0	0.1	20.8	0	0.01	
GP-12B	12/29/2021 12:03	0.0	0.1	20.9	0	0.01	
GP-12C	12/29/2021 12:04	0.0	0.1	16.7	0	-2.3	
GP-12D	12/29/2021 12:05	0.0	0.6	6.4	0	-2.19	
GP-13A	12/29/2021 11:52	0.0	0.1	20.9	0	-0.07	
GP-13B	12/29/2021 11:53	0.0	0.1	21.0	0	0.04	
GP-13C	12/29/2021 11:54	0.0	0.1	21.0	0	-0.05	
GP-13D	12/29/2021 11:55	0.0	0.1	21.0	0	-2.48	
GP-14A	12/29/2021 12:14	0.0	0.1	20.7	0	-0.67	
GP-14B	12/29/2021 12:15	0.0	0.1	21.0	0	-0.78	
GP-15A	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-15C	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-15D	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-16A	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-16B	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-16C	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-17A	12/29/2021 12:53	0.0	0.2	20.5	0	-3.95	
GP-17B	12/29/2021 12:54	0.0	0.8	17.7	0	0.03	
GP-17C	12/29/2021 12:55	0.0	0.1	20.3	0	-2.78	
GP-18A	12/29/2021 12:59	0.0	0.1	20.4	0	0.09	
GP-18B	12/29/2021 13:00	0.0	0.4	13.6	0	0.09	
GP-18C	12/29/2021 13:01	0.0	0.2	19.4	0	-3.03	
GP-19A	12/29/2021 13:10	0.0	0.1	20.3	0	-5.21	
GP-19B	12/29/2021 13:11	0.0	0.7	15.5	0	0.06	
GP-19C	12/29/2021 13:12	0.0	0.1	20.2	0	0.04	
GP-20A	12/29/2021 13:19	0.0	0.1	20.4	0	0.36	
GP-20B	12/29/2021 13:20	0.0	0.3	12.3	0	0.06	
GP-20C	12/29/2021 13:22	0.0	0.2	4.0	0	0.2	
GP-21A	12/29/2021 13:29	0.0	0.1	19.7	0	0.07	
GP-21B	12/29/2021 13:30	0.0	0.2	9.5	0	0.41	
GP-21C	12/29/2021 13:32	0.0	0.1	20.3	0	-0.06	
GP-22A	12/29/2021 13:40	0.0	1.9	18.8	0	-13.12	
GP-22C	12/29/2021 13:42	0.0	1.3	4.1	0	-0.59	
GP-23A	12/29/2021 13:48	0.0	0.1	20.0	0	0.11	
GP-23B	12/29/2021 13:49	0.0	0.1	20.1	0	0.05	
GP-23C	12/29/2021 13:51	0.0	0.1	20.2	0	-0.05	
GP-24A	12/29/2021 13:56	0.0	4.3	10.4	0	0.06	
GP-24B	12/29/2021 13:57	0.0	3.9	11.9	0	0.1	
GP-25	12/29/2021 14:02	0.0	2.7	11.7	0	-0.04	
GP-26	12/29/2021 14:15	0.0	1.0	17.3	0	0.09	

GP-27	12/29/2021 14:20	0.0	8.4	7.3	0	0.08	
GP-29A	12/29/2021 14:25	0.0	3.0	15.4	0	0.08	
GP-29B	12/29/2021 14:26	0.0	0.7	19.5	0	0.08	
GP-30A	12/28/2021 14:09	0.0	0.2	19.4	0	-0.04	
GP-30B	12/28/2021 14:11	0.0	1.1	20.0	0	-0.02	
GP-31A	12/28/2021 14:20	0.0	0.5	19.9	0	-0.21	
GP-31B	12/28/2021 14:24	0.0	0.4	16.8	0	1.9	
GP-31C	12/28/2021 14:26	0.0	2.4	15.4	0	7.02	
GP-32A	12/28/2021 14:34	0.0	0.8	18.8	0	0.07	
GP-32B	12/28/2021 14:36	0.0	0.2	20.8	0	-0.01	
GP-32C	12/28/2021 14:38	0.0	0.5	20.8	0	-0.04	
GP-33A	12/28/2021 14:46	0.0	0.3	21.0	0	-0.28	
GP-33B	12/28/2021 14:47	0.0	0.2	21.0	0	-0.02	
GP-33C	12/28/2021 14:49	0.0	0.1	21.0	0	-0.1	
GP-34A	12/28/2021 15:01	0.0	0.2	21.0	0	-4.65	
GP-34B	12/28/2021 15:03	0.0	0.1	21.0	0	0.08	
GP-34C	12/28/2021 15:05	0.0	0.1	20.4	0	-0.68	
GP-35A	12/28/2021 15:18	0.0	3.5	16.7	0	-0.02	
GP-35B	12/28/2021 15:20	0.0	0.5	2.6	0	11.89	
GP-35C	12/28/2021 15:21	0.0	0.1	18.3	0	0.02	
GP-36A	12/28/2021 15:34	0.0	0.4	4.5	0	0.73	
GP-36B	12/28/2021 15:35	0.0	0.2	6.0	0	-0.04	
GP-36C	12/28/2021 15:39	0.0	0.3	20.0	0	-0.61	
GP-37A	12/28/2021 15:50	0.0	0.2	13.5	0	-0.17	
GP-37B	12/28/2021 15:52	0.0	0.1	20.1	0	-0.02	
GP-37C	12/28/2021 15:54	0.0	0.6	7.1	0	-1.15	
GP-39	12/29/2021 9:31	0.0	0.9	18.1	0	-0.36	
GP-40	12/29/2021 9:39	0.0	0.1	19.6	0	-0.01	
GP-41A	12/29/2021 9:43	0.0	0.1	20.6	0	-0.03	
GP-41B	12/29/2021 9:44	0.0	0.1	20.3	0	-0.17	
GP-41C	12/29/2021 9:46	0.0	0.1	20.7	0	-0.01	
GP-42A	12/29/2021 9:52	0.0	0.1	21.0	0	-4.86	
GP-42B	12/29/2021 9:52	0.0	0.2	20.6	0	-1.54	
GP-43A	12/29/2021 10:07	0.0	0.2	20.4	0	0.1	
GP-43B	12/29/2021 10:08	0.0	0.1	20.6	0	0.43	
GP-43C	12/29/2021 10:10	0.0	0.1	21.0	0	-0.04	
GP-44A	12/29/2021 10:17	0.0	0.0	0.0	0	0	NR WATER
GP-44B	12/29/2021 10:20	0.0	0.9	10.4	0	16.7	
GP-44C	12/29/2021 10:22	0.0	0.1	20.7	0	-0.01	
GP-45D	12/29/2021 11:26	0.0	0.1	20.7	0	-0.13	
GP-45I	12/29/2021 11:25	0.0	0.1	20.7	0	-1.28	
GP-45S	12/29/2021 11:22	0.0	0.1	21.0	0	-0.03	

Interior Probes

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
October 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	10/13/2021 13:22	0.0	0.1	19.4	0	0.05	
ATC-3S	10/13/2021 13:21	0.0	0.1	18.7	0	0.12	
GP-1A	10/25/2021 18:37	0.0	0.2	21.0	0	0.01	
GP-1B	10/25/2021 18:39	0.0	0.2	21.0	0	-0.01	
GP-2A	10/25/2021 19:03	0.0	9.1	7.9	0	-0.07	
GP-2B	10/25/2021 19:04	0.0	0.4	21.0	0	-0.06	
GP-3	10/25/2021 19:24	0.0	13.0	0.6	0	-0.08	
GP-46D	10/25/2021 19:33	0.0	0.4	21.0	0	-1.87	
GP-46I	10/25/2021 19:31	0.0	4.6	1.4	0	-0.22	
GP-46S	10/25/2021 19:29	0.0	0.3	21.0	0	-0.49	
GP-47D	10/13/2021 14:21	0	0.4	16.4	0	-0.13	
GP-47I	10/13/2021 14:19	30.9	20.7	0.2	>>>>	0.23	
GP-47S	10/13/2021 14:17	35.3	18.5	2.6	>>>>	0.52	
GP-48D	10/25/2021 19:44	0.0	15.4	5.9	0	-0.37	
GP-48I	10/25/2021 19:42	0.0	0.7	21.0	0	-0.16	
GP-48S	10/25/2021 19:41	0.0	1.2	16.9	0	-0.21	
GP-4A	10/25/2021 19:12	0.0	0.2	21.0	0	-0.26	
GP-4B	10/25/2021 19:13	0.0	0.2	21.0	0	-0.04	
GP-52	10/13/2021 14:09	0.0	0.2	17.4	0	0.03	
GP-53	10/13/2021 14:11	0.0	0.4	18.7	0	-0.08	
GP-54	10/13/2021 14:12	0.0	0.3	19.2	0	-0.07	
GP-55	10/25/2021 18:21	44.1	15.1	0.8	>>>>	-0.17	
GP-56	10/25/2021 18:19	0.0	2.1	18.6	0	-0.50	
GP-57	10/25/2021 18:11	19.0	11.8	11.6	>>>>	-0.83	
GP-58	10/25/2021 18:13	0.0	12.5	9.5	0	0.00	
GP-59	10/25/2021 18:06	0.4	1.0	20.5	8	-0.60	
GP-5A	10/13/2021 13:11	0.0	0.2	18.2	0	-0.02	
GP-5BA	10/13/2021 13:12	0.0	0.2	18.9	0	0.03	
GP-5BB	10/13/2021 13:14	0.0	1.3	17.8	0	-0.14	
GP-5BC	10/13/2021 13:15	0.0	0.9	17.8	0	-0.17	
GP-5BD	10/13/2021 13:17	0.0	1.0	12.8	0	-0.08	
GP-60	10/25/2021 18:04	0.0	0.3	20.8	0	0.03	
GP-61	10/25/2021 17:50	0.0	2.3	18.9	0	0.24	
GP-62	10/25/2021 17:48	1.7	7.3	12.7	34	-0.04	
GP-63A	10/13/2021 13:34	0.0	5.2	15.1	0	0.04	
GP-63B	10/13/2021 13:36	0.0	0.2	19.1	0	0.03	
GP-63C	10/13/2021 13:37	0.0	0.3	19.4	0	-0.2	
GP-64A	10/13/2021 13:54	0.0	12.6	1.7	0	0.06	
GP-64B	10/13/2021 13:55	0.0	6.3	12.3	0	-0.03	
GP-64C	10/13/2021 13:57	0.0	0.2	18.4	0	-0.04	
GP-6A	10/25/2021 18:43	0.0	2.1	8.6	0	-1.32	
GP-6B	10/25/2021 18:45	0.0	3.9	5.1	0	-0.23	
GP-6C	10/25/2021 18:47	0.0	1.2	14.9	0	-0.28	
GP-6D	10/25/2021 18:49	0.0	4.5	0.6	0	-0.13	
GP-6E	10/25/2021 18:51	0.0	2.3	8.1	0	-0.08	
GP-6F	10/25/2021 18:53	0.0	2.2	8.3	0	-0.47	
GP-6G	10/25/2021 18:54	0.0	1.5	12.8	0	-0.37	
GP-6H	10/25/2021 18:56	0.0	4.5	0.5	0	-0.45	
GP-7	10/25/2021 18:33	0.0	0.2	21.0	0	-0.75	
GP-8	10/25/2021 18:28	0.0	0.3	21.0	0	-1.10	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
October 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-9	10/25/2021 17:58	0.0	0.6	20.1	0	-0.81	
GP-B4-1	10/25/2021 19:19	0.0	4.7	16.0	0	-1.00	
GP-B4-2	10/25/2021 19:20	0.0	2.9	13.0	0	-0.97	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
November 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	11/10/2021 10:33	0.0	0.1	20.7	0	0.01	
ATC-3S	11/10/2021 10:31	0.0	0.1	20.7	0	0.03	
GP-1A	11/19/2021 22:39	0.0	0.1	21.0	0.0	-0.04	
GP-1B	11/19/2021 22:41	0.0	0.1	21.0	0.0	0.00	
GP-2A	11/19/2021 21:59	0.0	5.1	12.3	0.0	0.00	
GP-2B	11/19/2021 22:01	0.0	0.1	21.0	0.0	-0.02	
GP-3	11/19/2021 21:45	0.0	0.1	21.0	0.0	-3.18	
GP-46D	11/19/2021 21:41	0.0	0.1	21.0	0.0	-3.45	
GP-46I	11/19/2021 21:39	0.0	0.1	21.0	0.0	-5.40	
GP-46S	11/19/2021 21:38	0.0	0.1	20.9	0.0	-0.03	
GP-47D	11/10/2021 13:08	0.0	0.5	10.7	0	-1.38	
GP-47I	11/10/2021 13:07	63.1	22.6	1.5	>>>>	-3.58	
GP-47S	11/10/2021 13:06	0.0	0.1	19.8	0	-4.05	
GP-48D	11/19/2021 21:25	0.0	0.1	21.0	0.0	-3.68	
GP-48I	11/19/2021 21:24	0.0	0.3	21.0	0.0	0.04	
GP-48S	11/19/2021 21:22	0.0	0.2	20.5	0.0	-0.02	
GP-4A	11/19/2021 21:53	0.0	0.1	21.0	0.0	0.02	
GP-4B	--	--	--	--	--	--	
GP-52	11/10/2021 12:55	0.0	0.0	0.0	0	0	NR flow fail
GP-53	11/10/2021 12:57	0.0	0.3	18.8	0	-1.03	
GP-54	11/10/2021 12:59	0.0	0.1	19.5	0	-0.14	
GP-55	11/19/2021 22:32	0.0	0.5	21.0	0.0	-0.38	
GP-56	11/19/2021 22:34	0.0	2.1	13.3	0.0	0.48	
GP-57	11/19/2021 22:26	0.0	0.1	21.0	0.0	-0.01	
GP-58	11/19/2021 22:28	0.0	14.3	1.1	0.0	57.86	
GP-59	11/19/2021 22:21	0.0	0.1	21.0	0.0	0.58	
GP-5A	11/10/2021 10:20	0.0	0.1	20.7	0	-5.32	
GP-5BA	11/10/2021 10:22	0.0	0.1	20.6	0	0.03	
GP-5BB	11/10/2021 10:24	0.0	0.1	20.8	0	-5.33	
GP-5BC	11/10/2021 10:26	0.0	0.1	20.8	0	-5.31	
GP-5BD	11/10/2021 10:27	0.0	0.1	20.8	0	-5.28	
GP-60	11/19/2021 22:23	0.0	0.2	21.0	0.0	0.01	
GP-61	11/19/2021 22:15	0.0	0.1	21.0	0.0	-2.42	
GP-62	11/19/2021 22:17	0.0	6.7	13.6	0.0	0.01	
GP-63A	11/10/2021 10:46	0.0	1.2	19.2	0.0	0.04	
GP-63B	11/10/2021 10:48	0.0	0.1	20.6	0.0	0.05	
GP-63C	11/10/2021 10:50	0.0	0.1	20.7	0.0	-4.75	
GP-64A	11/10/2021 11:12	0.0	1.1	19.4	0.0	0.03	
GP-64B	11/10/2021 11:14	0.0	0.3	20.4	0.0	0.03	
GP-64C	11/10/2021 11:17	0	0.1	20.8	0	-4.41	
GP-6A	11/19/2021 22:44	0.0	0.1	21.0	0.0	-4.28	
GP-6B	11/19/2021 22:45	0.0	0.1	21.0	0.0	-4.07	
GP-6C	11/19/2021 22:47	0.0	0.5	21.0	0.0	-4.07	
GP-6D	11/19/2021 22:49	0.0	0.1	21.0	0.0	-4.17	
GP-6E	11/19/2021 22:51	0.0	0.1	21.0	0.0	-4.11	
GP-6F	11/19/2021 22:52	0.0	0.1	21.0	0.0	-4.09	
GP-6G	11/19/2021 22:54	0.0	0.1	21.0	0.0	-1.97	
GP-6H	11/19/2021 22:56	0.0	0.1	21.0	0.0	-4.14	
GP-7	11/19/2021 22:37	0.0	0.1	21	0	-4.51	
GP-8	11/19/2021 22:05	0.0	2.7	18.8	0	-4.35	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
November 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-9	11/19/2021 22:10	0.0	0.1	21	0	-4.41	
GP-B4-1	11/19/2021 21:55	0.0	0.1	21	0	0.03	
GP-B4-2	11/19/2021 21:49	0.0	1.8	19.8	0	1.28	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
December 2021 Monitoring Data

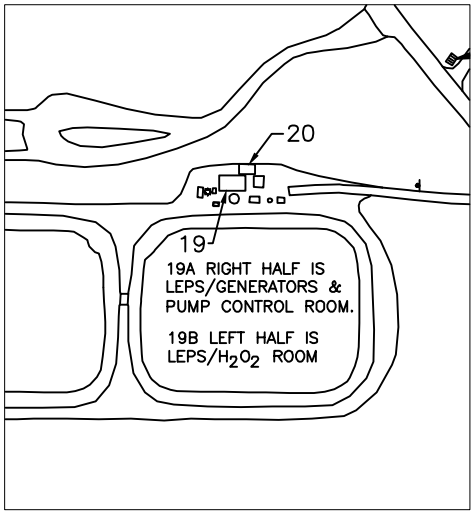
Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	--	--	--	--	--	--	Not Sampled/Weather/COVID
ATC-3S	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-1A	12/28/2021 18:37	0.0	0.1	21.0	0	-0.08	
GP-1B	12/28/2021 18:39	0.0	3.8	13.8	0	-0.07	
GP-2A	12/28/2021 19:07	0.0	3.5	18.9	0	-0.08	
GP-2B	12/28/2021 19:09	0.0	0.3	21.0	0	-0.12	
GP-3	12/28/2021 19:36	0.0	0.0	0.0	0	-1.1	NR H2O
GP-46D	12/28/2021 19:47	0.0	0.1	21.0	0	-0.12	
GP-46I	12/28/2021 19:45	1.0	1.5	14.8	20	0.49	
GP-46S	12/28/2021 19:43	0.0	0.2	21.0	0	-0.2	
GP-47D	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-47I	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-47S	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-48D	12/28/2021 20:01	0.0	0.1	21.0	0	-0.16	
GP-48I	12/28/2021 19:59	0.0	0.6	21.0	0	-0.24	
GP-48S	12/28/2021 19:57	0.0	0.7	18.3	0	-0.12	
GP-4A	12/28/2021 19:22	0.0	0.1	21.0	0	-0.21	
GP-4B	12/28/2021 19:24	0.0	0.2	21.0	0	-0.03	
GP-52	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-53	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-54	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-55	12/28/2021 18:05	0.0	0.4	21.0	0	-0.07	
GP-56	12/28/2021 18:03	0.0	0.8	21.0	0	-0.11	
GP-57	12/28/2021 17:54	0.5	0.9	20.8	10	-0.07	
GP-58	12/28/2021 17:51	0.0	15.7	4.2	0	12.71	
GP-59	12/28/2021 17:46	0.0	0.1	21.0	0	0.04	
GP-5A	12/29/2021 12:30	0	0.2	19.4	0	-2.98	
GP-5BA	12/29/2021 12:34	0	0.1	21	0	0.18	
GP-5BB	12/29/2021 12:35	0	0.1	21	0	-3.12	
GP-5BC	12/29/2021 12:36	0	0.1	21	0	-3.07	
GP-5BD	12/29/2021 12:37	0	0.1	21	0	-3.07	
GP-60	12/28/2021 17:43	0.0	0.2	21.0	0	-0.01	
GP-61	12/28/2021 17:18	0.0	0.1	20.7	0	-0.45	
GP-62	12/28/2021 17:16	0.0	8.4	11.8	0	-0.87	
GP-63A	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-63B	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-63C	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-64A	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-64B	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-64C	--	--	--	--	--	--	Not Sampled/Weather/COVID
GP-6A	12/28/2021 18:45	0.0	0.1	21.0	0	-0.45	
GP-6B	12/28/2021 18:47	0.0	0.1	21.0	0	-0.89	
GP-6C	12/28/2021 18:48	0.0	0.1	21.0	0	-0.74	
GP-6D	12/28/2021 18:50	0.0	0.1	21.0	0	-0.65	
GP-6E	12/28/2021 18:52	0.0	0.6	19.5	0	-0.58	
GP-6F	12/28/2021 18:54	0.0	0.1	21.0	0	-0.77	
GP-6G	12/28/2021 18:56	0.0	0.1	21.0	0	-0.57	
GP-6H	12/28/2021 18:58	0.0	0.1	21.0	0	-0.62	
GP-7	12/28/2021 18:23	0.0	0.1	21.0	0	-0.58	
GP-8	12/28/2021 18:16	0.0	0.5	21.0	0	-0.56	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
December 2021 Monitoring Data

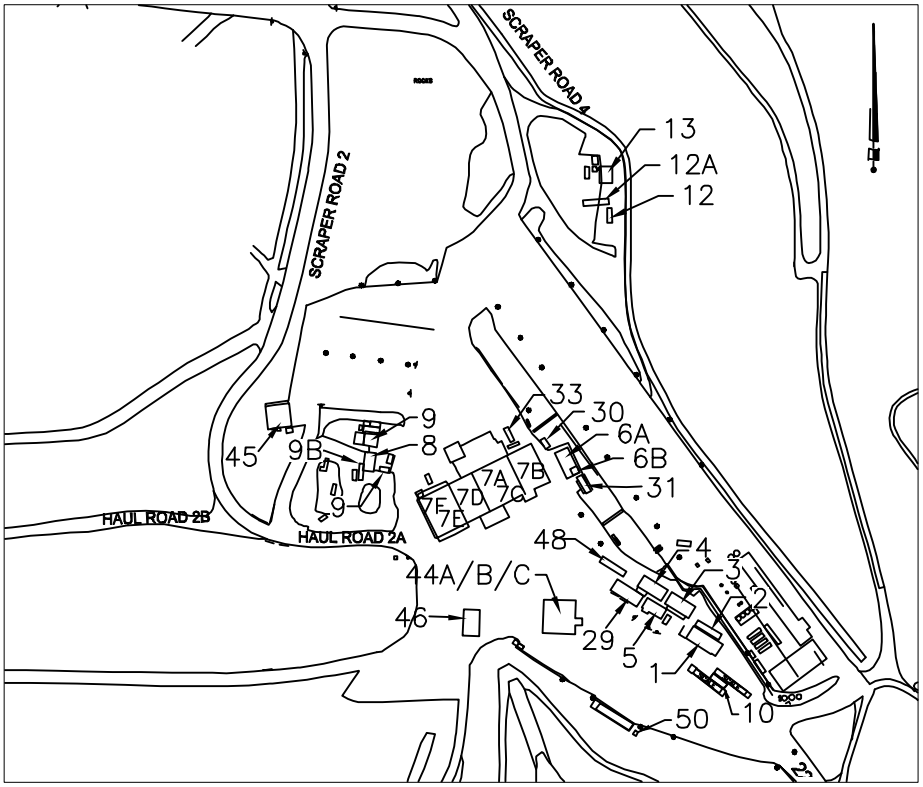
Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-9	12/28/2021 17:30	0.0	0.1	21.0	0	-0.06	
GP-B4-1	12/28/2021 19:29	0.0	4.0	17.2	0	-0.23	
GP-B4-2	12/28/2021 19:31	0.0	2.9	12.2	0	-0.29	

On-Site Building Monitoring

Aeration Ponds



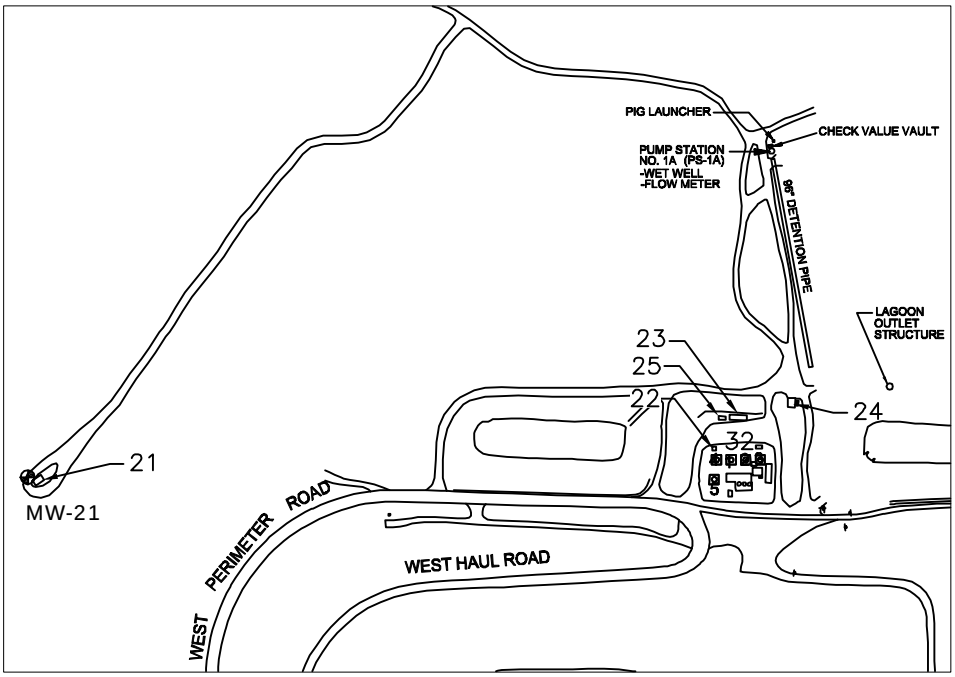
Shop and Office Buildings



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

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012

King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

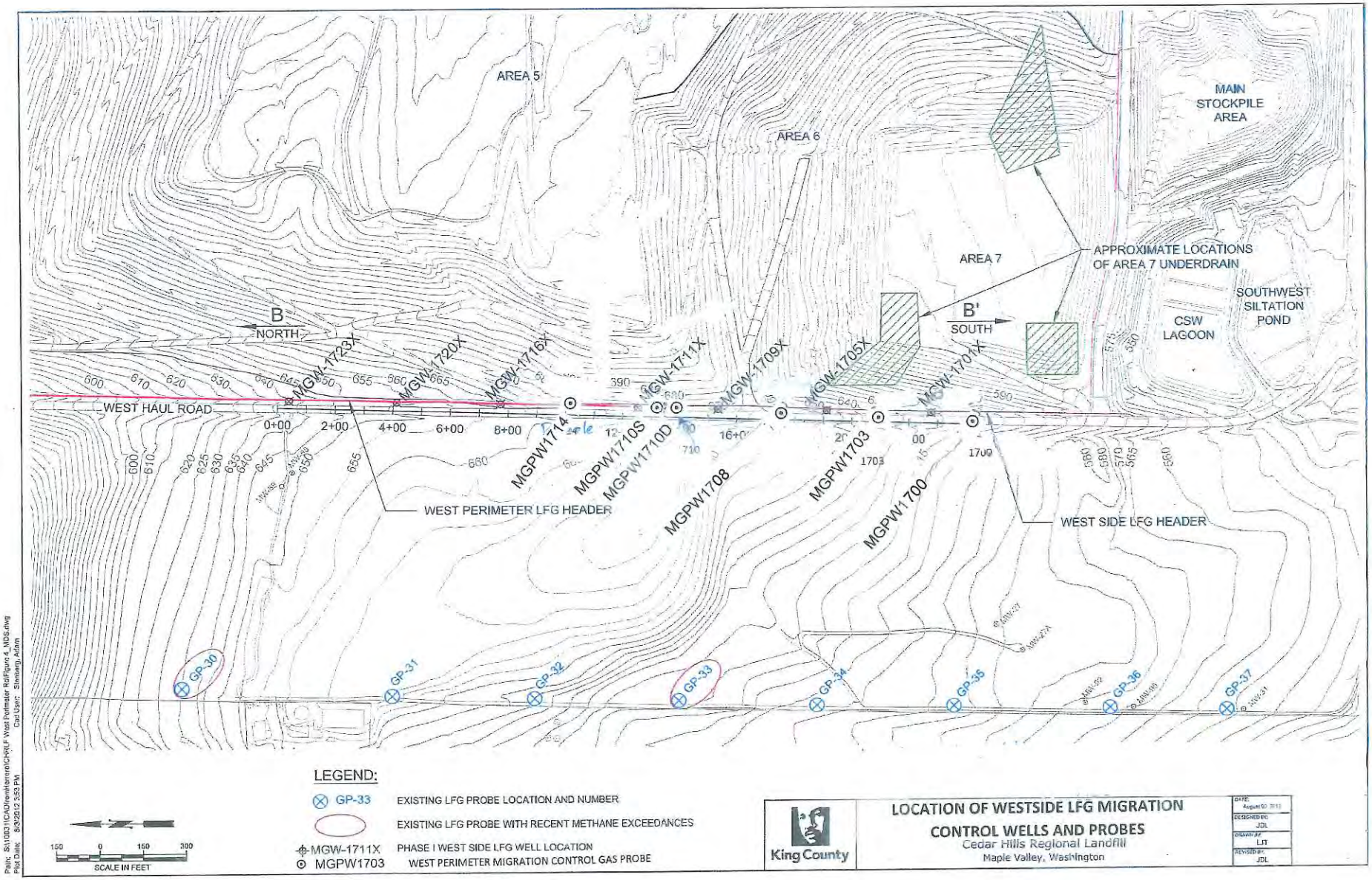
DATE: February 2012	PROJECT NO.
DESIGNED BY:	
DRAWN BY:	FIGURE NO.
REVISED BY: -	

FOURTH QUARTER
BUILDING MONITORING

King County	INSTRUMENT: Place check by instrument used		WEATHER:	DATE: 10/27/21
	Foxboro TVA 2020		Overcast/ Rain	TECH: DNS
	SEM 5000	×		

ENVIS ID	BLDG #	DESCRIPTION	CH_4 (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 10/27/21	1	FRONT OFFICE			30.15	9:16 PM
GCR- 10/27/21	2	CONF ROOM				
GAO- 10/27/21	3	PAYROLL OFFICE				
GEO- 10/27/21	4	ENGR. OFFICE				
GLRC- 10/27/21	5	LUNCHROOM				
GSPC 10/27/21		SPOC				
GELO- 10/27/21 A	6A	DRY STORAGE				
GELO- 10/27/21 B	6B	ELECTRICIAN OFFICE				
GAP- 10/27/21		ACCOUNT PAYABLE				
GSO- 10/27/21 A	7A	SHOP OFFICE				
GPR- 10/27/21 B	7B	PARTS ROOM				
GMS- 10/27/21 C	7C	SHOP PIT AREA/BAY				
GTB- 10/27/21 D	7D	SHOP TIRE BAY				
GEW- 10/27/21 E	7E	EAST WELD SHOP				
GWW- 10/27/21 F	7F	WEST WELD SHOP				
GCS- 10/27/21	8	CARPENTER'S				
GSS- 10/27/21	9	WASTEWATER				
GSS- 10/27/21 B	9B	CARPENTER/STORAGE	N/A	BUILDING REMOVED		
GSH- 10/27/21	10	SCALEHOUSE				
GB13- 10/27/21	13	WW COMPRESSOR				
GB16- 10/27/21	16	GENERATOR				
GB19- 10/27/21	19	LEPS (P.S.# 5)				
GB19- 10/27/21 B	19B	LEPS/H_2O_2 ROOM	N/A	BUILDING REMOVED		
GB20- 10/27/21	20	LEPS ELEC PANALS				
GB21- 10/27/21	21	STORAGE(OLD PS 1)	N/A	BUFFER ROAD.		
GB22- 10/27/21	22	STORAGE/N FLARE				
GB23- 10/27/21	23	LFGAS				
GB24- 10/27/21	24	NE GENERATOR BLDG				
GBWW- 10/27/21	30	WOMEN BRK RM				
GPWT- 10/27/21	PW	PRESSURE WASH RM				
GBRR- 10/27/21	RR	TRUCKWASH RR W				
GBSS- 10/27/21	SS	TRUCKWASH RR E				
GBZZ- 10/27/21	29	MANAGERS TRAILER				
GBPT- 10/27/21		CCG FASTER				
GCLS- 10/27/21		CHLORINE SHED				

Migration Probes



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Plot Date: 8/3/2012 3:53 PM
Cad User: Stenberg, Adam

CEDAR HILLS REGIONAL LANDFILL

West Perimeter Landfill Gas Migration Control Probes

Fourth Quarter 2021 Monitoring Data

Probe ID	Date	Time	Barometric Pressure in Hg	CH4 %vol	CO2 %vol	O2 %vol	Static Pressure in INWC	Comments
MGPW 1700	11/1/2021	14:38	29.82	0	0.2	21	0.02	
MGPW 1700	11/15/2021	10:45	29.68	0	0.4	17.7	0.01	
MGPW 1700	12/10/2021	10:30	29.97	0	0.2	18.9	-0.39	
MGPW 1708	11/1/2021	15:04	29.82	0	0.2	21	0.02	
MGPW 1708	11/15/2021	10:37	29.68	0	0.2	18.9	0.97	
MGPW 1708	12/10/2021	10:39	29.97	0	0.3	19.4	-0.48	
MGPW 1710S	11/1/2021	14:45	29.82	0	0.3	20.5	-0.70	
MGPW 1710S	11/15/2021	10:30	29.68	0	0.2	20.5	0.86	
MGPW 1710S	12/10/2021	10:41	19.97	0	0.1	20.4	-0.42	
MGPW 1710D	11/1/2021	14:46	29.82	0	0.2	21	-0.84	
MGPW 1710D	11/15/2021	10:32	29.68	0	0.2	21	0.87	
MGPW 1710D	12/10/2021	10:43	29.97	0	0.2	20.2	0.04	
MGPW 1714	11/1/2021	14:38	29.82	0	0.3	19.5	-0.75	
MGPW 1714	11/15/2021	10:22	29.68	0	6.3	11.5	0.72	
MGPW 1714	12/10/2021	10:48	29.97	0	0.2	20.5	-0.11	

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
10/1/21 0:00	1.844	121.5	10.17	11.37	29.46	0
10/1/21 0:15	1.2	95.9	25.91	11.44	29.46	0
10/1/21 0:30	0.178	56.74	0.109	11.25	29.46	0
10/1/21 0:45	1.304	142.6	43.63	11.23	29.46	0
10/1/21 1:00	1.028	105.3	9.76	11.43	29.47	0
10/1/21 1:15	1.423	86.3	71.21	11.53	29.47	0
10/1/21 1:30	2.054	22.74	11.67	10.62	29.47	0
10/1/21 1:45	2.416	2.368	8	10.46	29.48	0
10/1/21 2:00	3.419	357.6	13.44	10.52	29.48	0
10/1/21 2:15	2.722	10.63	9.68	10.39	29.48	0
10/1/21 2:30	1.534	9	17.98	10.42	29.48	0
10/1/21 2:45	1.11	359.5	57.54	10.47	29.48	0
10/1/21 3:00	1.727	271.7	55.2	10.47	29.48	0
10/1/21 3:15	2.634	338.2	4.825	10.13	29.48	0
10/1/21 3:30	3.017	344.7	1.628	9.99	29.49	0
10/1/21 3:45	2.588	8.88	13.86	10.09	29.49	0
10/1/21 4:00	2.408	10.08	8.61	10.02	29.49	0
10/1/21 4:15	2.18	9.33	11.19	10.02	29.49	0
10/1/21 4:30	2.165	27.21	4.607	10.06	29.49	0
10/1/21 4:45	3.825	18.83	9.91	9.85	29.49	0
10/1/21 5:00	3.092	20.53	7.769	9.72	29.49	0
10/1/21 5:15	3.478	23.46	10.21	9.61	29.48	0
10/1/21 5:30	2.178	3.752	10.14	9.5	29.48	0
10/1/21 5:45	2.562	30.63	11.12	9.43	29.49	0
10/1/21 6:00	0.859	28.93	11.43	9.45	29.49	0
10/1/21 6:15	0.52	70.65	0.881	9.46	29.48	0
10/1/21 6:30	1.38	141.8	55.09	9.31	29.49	0
10/1/21 6:45	2.938	294.5	50.24	9.15	29.49	0
10/1/21 7:00	2.698	353.1	16.13	8.83	29.5	0
10/1/21 7:15	1.335	1.243	14.51	9.03	29.5	0
10/1/21 7:30	2.243	6.981	14.99	9.19	29.5	0
10/1/21 7:45	2.816	8.6	11.59	9.23	29.5	0
10/1/21 8:00	4.262	351.3	15.5	9.52	29.5	0
10/1/21 8:15	2.947	304.3	23.36	9.93	29.5	0
10/1/21 8:30	2.487	295.9	17.34	10.52	29.5	0
10/1/21 8:45	1.915	304.3	29.42	10.72	29.5	0
10/1/21 9:00	2.208	326.8	45.26	10.83	29.5	0
10/1/21 9:15	4.724	355	23.62	10.9	29.5	0
10/1/21 9:30	6.893	6.845	19.02	11.65	29.5	0
10/1/21 9:45	7.519	11.42	15.5	12.02	29.5	0
10/1/21 10:00	10.14	10.43	14.64	12.43	29.5	0
10/1/21 10:15	11.43	6.577	17.15	12.57	29.5	0
10/1/21 10:30	11.58	0.208	20.07	12.89	29.5	0
10/1/21 10:45	12.82	355.7	16.2	13.02	29.5	0
10/1/21 11:00	11.07	1.158	16.42	13.28	29.5	0
10/1/21 11:15	8.15	347.5	21.27	13.58	29.5	0
10/1/21 11:30	7.492	345.9	23.01	13.62	29.5	0
10/1/21 11:45	5.894	353.3	24.42	13.95	29.5	0
10/1/21 12:00	6.114	326.4	23.2	14.11	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
10/1/21 12:15	6.541	354.6	29.17	14.46	29.49	0
10/1/21 12:30	8.25	16.51	16.71	14.8	29.48	0
10/1/21 12:45	6.891	5.463	17.32	14.96	29.48	0
10/1/21 13:00	8.99	305.7	12.37	15.25	29.48	0
10/1/21 13:15	8.73	326.7	29.45	15.3	29.48	0
10/1/21 13:30	9.22	310.3	13.59	15.68	29.47	0
10/1/21 13:45	9.59	315.2	24.61	15.7	29.47	0
10/1/21 14:00	8.55	332.7	28.37	15.66	29.47	0
10/1/21 14:15	7.84	347.7	23.57	15.84	29.47	0
10/1/21 14:30	7.537	346.9	24.77	16.04	29.46	0
10/1/21 14:45	7.16	7.729	19.88	15.95	29.46	0
10/1/21 15:00	8.18	0.175	19.72	15.92	29.46	0
10/1/21 15:15	7.796	6.789	15.92	15.63	29.45	0
10/1/21 15:30	6.4	3.684	16.05	15.75	29.45	0
10/1/21 15:45	7.301	8.7	17.12	15.56	29.44	0
10/1/21 16:00	8.01	356.5	18.62	15.34	29.44	0
10/1/21 16:15	7.138	338.1	14	15.07	29.44	0
10/1/21 16:30	6.499	324.3	11.68	14.88	29.43	0
10/1/21 16:45	5.926	315.1	8.5	14.82	29.43	0
10/1/21 17:00	4.907	303	11.89	14.67	29.43	0
10/1/21 17:15	4.95	314.1	17.15	14.46	29.43	0
10/1/21 17:30	5.735	298	9.09	14.02	29.43	0
10/1/21 17:45	5.195	318.6	18.05	13.4	29.43	0
10/1/21 18:00	4.308	357	20.86	12.85	29.42	0
10/1/21 18:15	4.166	353.3	16.07	12.56	29.43	0
10/1/21 18:30	4.907	15.2	16.73	12.08	29.43	0
10/1/21 18:45	6.733	19.14	7.892	11.44	29.43	0
10/1/21 19:00	7.234	22.82	8.33	11.29	29.43	0
10/1/21 19:15	7.278	17.82	7.557	11.27	29.43	0
10/1/21 19:30	7.594	19.33	6.325	11.08	29.42	0
10/1/21 19:45	6.706	22.35	5.636	10.9	29.42	0
10/1/21 20:00	7.137	12.24	9.89	10.65	29.42	0
10/1/21 20:15	4.914	359.6	15.82	10.48	29.43	0
10/1/21 20:30	4.544	3.488	16.83	10.51	29.43	0
10/1/21 20:45	8.71	7.899	15.53	10.74	29.43	0
10/1/21 21:00	5.853	2.195	16.88	10.46	29.43	0
10/1/21 21:15	6.564	4.997	16.65	10.26	29.43	0
10/1/21 21:30	6.621	6.436	19.18	10.4	29.43	0
10/1/21 21:45	7.847	19.64	11.91	10.28	29.43	0
10/1/21 22:00	7.839	31.9	11.34	10.19	29.42	0
10/1/21 22:15	6.56	44.75	8.38	9.86	29.42	0
10/1/21 22:30	4.347	68.64	14.09	9.75	29.42	0
10/1/21 22:45	2.102	83	8.55	10.09	29.42	0
10/1/21 23:00	1.144	76.31	1.788	10.08	29.43	0
10/1/21 23:15	0.147	52.83	2.295	9.89	29.43	0
10/1/21 23:30	2.405	316.6	42.9	9.73	29.44	0
10/1/21 23:45	4.223	244.3	17.9	9.1	29.44	0
10/2/21 0:00	3.125	177.5	17.49	8.96	29.43	0
10/2/21 0:15	3.656	161.7	9.33	8.94	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
10/2/21 0:30	2.549	126.9	10.77	8.95	29.43	0
10/2/21 0:45	2.841	90.8	6.188	8.44	29.42	0
10/2/21 1:00	2.565	72.1	9.65	8.27	29.42	0
10/2/21 1:15	1.647	42.64	27.03	8.78	29.41	0
10/2/21 1:30	1.536	13.36	1.637	9.21	29.41	0
10/2/21 1:45	0.884	14.46	1.011	9.39	29.41	0
10/2/21 2:00	0.027	349.4	3.01	9.44	29.4	0
10/2/21 2:15	1.768	269.8	34.54	9.36	29.4	0
10/2/21 2:30	3.693	257.8	9.88	8.73	29.4	0
10/2/21 2:45	4.218	293.4	4.329	8.13	29.4	0
10/2/21 3:00	3.951	319.7	11.98	8.11	29.41	0
10/2/21 3:15	2.949	339.8	3.612	8.12	29.41	0
10/2/21 3:30	2.339	0.223	16.1	8.13	29.41	0
10/2/21 3:45	3.031	25.91	5.964	7.62	29.41	0
10/2/21 4:00	3.367	24.22	9.57	7.583	29.41	0
10/2/21 4:15	3.956	33.55	10.61	7.717	29.41	0
10/2/21 4:30	5.007	31.53	11.42	7.981	29.4	0
10/2/21 4:45	2.873	19.6	7.186	8.04	29.4	0
10/2/21 5:00	1.93	356.3	13.28	8.11	29.4	0
10/2/21 5:15	1.476	325	18.95	8.24	29.4	0
10/2/21 5:30	0.419	303.3	0.971	8.39	29.4	0
10/2/21 5:45	1.56	71.26	20.8	8.11	29.39	0
10/2/21 6:00	2.555	139.2	34.27	8.1	29.39	0
10/2/21 6:15	5.243	181.5	8.47	7.788	29.39	0
10/2/21 6:30	4.167	170.2	11.73	7.632	29.39	0
10/2/21 6:45	4.247	189.3	10.17	7.866	29.39	0
10/2/21 7:00	2.997	190.4	13.78	7.806	29.4	0
10/2/21 7:15	1.758	258.8	29.43	8.19	29.4	0
10/2/21 7:30	2.271	124.7	46.99	8.31	29.4	0
10/2/21 7:45	2.431	127.4	20.67	8.43	29.4	0
10/2/21 8:00	4.164	144	10.58	8.63	29.39	0
10/2/21 8:15	1.212	88.6	14.06	8.76	29.39	0
10/2/21 8:30	1.087	151	54.34	9.34	29.4	0
10/2/21 8:45	2.261	355.3	42.23	9.69	29.4	0
10/2/21 9:00	1.974	58.02	23.91	10.05	29.4	0
10/2/21 9:15	3.46	75.79	33.18	11.1	29.39	0
10/2/21 9:30	4.15	121.2	22.47	11.97	29.38	0
10/2/21 9:45	3.033	194.7	28.74	12.41	29.38	0
10/2/21 10:00	5.244	209.7	16.38	12.21	29.38	0
10/2/21 10:15	4.717	195.9	20.25	12.35	29.38	0
10/2/21 10:30	4.721	244.1	13.88	12.71	29.38	0
10/2/21 10:45	2.715	252	22.92	13.07	29.38	0
10/2/21 11:00	3.268	206.2	28.16	13.41	29.37	0
10/2/21 11:15	2.835	219	26.2	13.96	29.37	0
10/2/21 11:30	2.889	202.1	27.02	14.44	29.36	0
10/2/21 11:45	4.169	205	13.81	14.78	29.36	0
10/2/21 12:00	4.223	213.4	14.76	15.19	29.36	0
10/2/21 12:15	3.53	189.4	36.36	15.83	29.35	0
10/2/21 12:30	3.858	204.3	35.14	16.45	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
10/2/21 12:45	4.108	205.6	16.67	16.75	29.35	0
10/2/21 13:00	2.962	201	34.43	16.54	29.34	0
10/2/21 13:15	3.627	209.6	31.58	17.24	29.34	0
10/2/21 13:30	3.826	152.9	34.74	17.69	29.34	0
10/2/21 13:45	4.938	122.7	22.25	18.17	29.34	0
10/2/21 14:00	5.628	166.3	31.96	18.03	29.33	0
10/2/21 14:15	5.41	165.1	22.3	18.4	29.33	0
10/2/21 14:30	7.955	164.9	14.9	18.56	29.32	0
10/2/21 14:45	5.273	170.3	26.12	18.67	29.32	0
10/2/21 15:00	6.887	201.8	12.85	18.49	29.32	0
10/2/21 15:15	5.731	188.5	19.43	18.67	29.32	0
10/2/21 15:30	3.489	206.1	37.18	18.79	29.31	0
10/2/21 15:45	8	244.7	17.26	18.59	29.31	0
10/2/21 16:00	8.87	248.6	10.57	17.78	29.31	0
10/2/21 16:15	6.238	232.3	19.71	17.41	29.31	0
10/2/21 16:30	4.677	234.7	7.946	17.21	29.3	0
10/2/21 16:45	2.986	243.3	7.916	17.14	29.3	0
10/2/21 17:00	3.036	235.3	12.47	17.54	29.3	0
10/2/21 17:15	3.624	227	8.96	17.13	29.3	0
10/2/21 17:30	2.697	245.8	5.972	16.73	29.3	0
10/2/21 17:45	3.883	244.8	11.53	16.45	29.3	0
10/2/21 18:00	4.585	251	5.44	16.03	29.3	0
10/2/21 18:15	4.781	258.3	6.876	15.81	29.3	0
10/2/21 18:30	3.783	251.2	7.933	15.46	29.3	0
10/2/21 18:45	4.743	239.7	13.73	15.28	29.3	0
10/2/21 19:00	2.511	145.1	37.05	14.81	29.3	0
10/2/21 19:15	2.633	172.7	12.13	14.79	29.3	0
10/2/21 19:30	3.601	155.4	14.61	14.64	29.3	0
10/2/21 19:45	3.498	154	9.63	14.22	29.3	0
10/2/21 20:00	3.629	147	6.627	13.98	29.3	0
10/2/21 20:15	3.614	166.4	15.9	13.45	29.3	0
10/2/21 20:30	3.541	159.6	9.4	12.84	29.31	0
10/2/21 20:45	4.222	157.2	8.86	12.77	29.31	0
10/2/21 21:00	5.045	152.4	6.471	12.6	29.3	0
10/2/21 21:15	5.57	168.7	8.64	12.52	29.31	0
10/2/21 21:30	5.705	161.6	5.71	11.86	29.31	0
10/2/21 21:45	4.985	155.3	5.808	11.67	29.31	0
10/2/21 22:00	5.849	166.5	8.77	11.49	29.31	0
10/2/21 22:15	5.163	150.6	13.55	11.4	29.31	0
10/2/21 22:30	6.799	162.5	9.01	11.6	29.31	0
10/2/21 22:45	5.386	148.4	5.563	11.09	29.3	0
10/2/21 23:00	6.089	151.7	10.61	11.17	29.31	0
10/2/21 23:15	6.288	146.7	11.72	11.28	29.31	0
10/2/21 23:30	6.775	151.1	8.3	11.07	29.31	0
10/2/21 23:45	7.717	141.1	5.939	11.18	29.31	0
10/3/21 0:00	7.655	143.3	6.119	11.37	29.31	0
10/3/21 0:15	7.294	133.2	6.739	11.33	29.31	0
10/3/21 0:30	7.056	134.1	6.939	11.58	29.31	0
10/3/21 0:45	8.26	132.8	5.967	11.85	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
10/3/21 1:00	8.99	136.2	5.815	11.99	29.31	0
10/3/21 1:15	8.04	133.1	5.641	12.04	29.31	0
10/3/21 1:30	8.84	133	7.756	12.16	29.31	0
10/3/21 1:45	8.28	139.4	6.81	12.09	29.31	0
10/3/21 2:00	7.834	132.9	7.799	12.09	29.31	0
10/3/21 2:15	6.281	129.3	10.27	12.28	29.3	0
10/3/21 2:30	6.801	138.2	8.17	12.43	29.31	0
10/3/21 2:45	6.654	131.9	6.631	12.44	29.3	0
10/3/21 3:00	7.79	136	6.076	12.52	29.3	0
10/3/21 3:15	6.805	134.3	5.526	12.66	29.29	0
10/3/21 3:30	5.915	126.9	7.322	12.82	29.29	0
10/3/21 3:45	5.941	126.9	7.962	12.93	29.29	0
10/3/21 4:00	6.285	134.3	7.995	12.97	29.29	0
10/3/21 4:15	6.268	139.6	6.581	12.9	29.29	0
10/3/21 4:30	4.613	130.9	13.34	12.89	29.3	0
10/3/21 4:45	5.182	123.2	7.282	12.95	29.29	0
10/3/21 5:00	5.576	123.3	7.247	12.96	29.29	0
10/3/21 5:15	5.657	120.7	8.23	12.95	29.3	0
10/3/21 5:30	5.073	111.3	7.127	13.06	29.3	0
10/3/21 5:45	4.861	108.6	6.917	13.15	29.3	0
10/3/21 6:00	5.013	108.2	7.064	13.2	29.3	0
10/3/21 6:15	4.695	121.7	38.21	12.99	29.3	0
10/3/21 6:30	3.701	191	36.91	12.12	29.31	0
10/3/21 6:45	2.824	180.7	8.38	11.26	29.32	0
10/3/21 7:00	2.545	168.6	16.36	10.99	29.32	0
10/3/21 7:15	2.924	158	14.99	10.8	29.32	0
10/3/21 7:30	3.011	95.2	21.37	10.71	29.32	0
10/3/21 7:45	3.535	78.63	8.86	10.67	29.32	0
10/3/21 8:00	2.983	86.1	12.24	10.81	29.33	0
10/3/21 8:15	3.524	94.4	17.58	10.94	29.33	0
10/3/21 8:30	3.785	116.3	8.82	11.11	29.33	0
10/3/21 8:45	4.33	119	10.82	11.26	29.34	0
10/3/21 9:00	4.042	128.8	10.93	11.35	29.34	0
10/3/21 9:15	3.867	112.5	12.62	11.29	29.34	0
10/3/21 9:30	3.956	133.5	13.57	11.5	29.34	0
10/3/21 9:45	3.14	190.3	22.2	11.74	29.34	0
10/3/21 10:00	2.857	191.2	18.6	11.89	29.34	0
10/3/21 10:15	2.744	209.9	21.26	11.96	29.34	0
10/3/21 10:30	3.574	195.8	11.7	12.11	29.34	0
10/3/21 10:45	2.75	195.4	24.14	12.29	29.34	0
10/3/21 11:00	3.006	201.5	25.12	12.4	29.34	0
10/3/21 11:15	3.667	236.2	10.02	12.53	29.34	0
10/3/21 11:30	3.56	239.5	12.05	12.62	29.34	0
10/3/21 11:45	4.094	233.3	9.59	12.59	29.33	0
10/3/21 12:00	4.73	237.3	9.45	12.64	29.33	0
10/3/21 12:15	4.948	250.2	9.11	12.6	29.33	0
10/3/21 12:30	4.076	253.9	11.93	12.65	29.33	0
10/3/21 12:45	3.994	262.2	11.24	12.71	29.32	0
10/3/21 13:00	3.238	269.5	17.15	12.85	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
10/3/21 13:15	3.54	267	8.95	12.67	29.32	0
10/3/21 13:30	4.105	273	13.67	12.52	29.32	0
10/3/21 13:45	3.718	320.8	31.64	12.14	29.32	0
10/3/21 14:00	5.726	309.9	15.8	11.87	29.32	0
10/3/21 14:15	4.804	315.4	18.16	11.77	29.32	0
10/3/21 14:30	4.912	316.6	8.77	11.68	29.32	0
10/3/21 14:45	3.181	12.19	7.721	11.5	29.32	0
10/3/21 15:00	2.583	17.17	6.365	11.39	29.31	0
10/3/21 15:15	2.136	11.05	11.62	11.65	29.31	0
10/3/21 15:30	3.601	5.501	10.08	11.49	29.31	0
10/3/21 15:45	2.841	8.32	11.24	11.42	29.3	0
10/3/21 16:00	2.79	7.25	14.32	11.32	29.29	0
10/3/21 16:15	3.182	16.06	8.77	11.32	29.29	0
10/3/21 16:30	4.02	19.51	5.916	11.26	29.29	0
10/3/21 16:45	3.127	16.02	5.963	11.19	29.28	0
10/3/21 17:00	4.335	15.12	6.757	11.22	29.28	0
10/3/21 17:15	7.162	10.19	9.49	11.14	29.27	0
10/3/21 17:30	7.577	11.95	7.88	10.95	29.27	0
10/3/21 17:45	11.07	12.34	9.9	10.24	29.27	0
10/3/21 18:00	12.27	6.384	16.21	10.01	29.27	0
10/3/21 18:15	11.06	2.65	15.52	10.18	29.27	0
10/3/21 18:30	9.84	7.011	14.54	10.4	29.27	0
10/3/21 18:45	8.79	7.761	14.3	10.57	29.27	0
10/3/21 19:00	8.97	11.16	10.94	10.65	29.26	0
10/3/21 19:15	8.55	10.62	11.2	10.62	29.26	0
10/3/21 19:30	7.883	12.6	9.96	10.55	29.25	0
10/3/21 19:45	7.567	11.31	10.47	10.42	29.25	0
10/3/21 20:00	7.267	11.37	12.2	10.14	29.25	0
10/3/21 20:15	5.508	11.64	16.35	10.1	29.25	0
10/3/21 20:30	3.621	329.2	9.94	10.07	29.24	0
10/3/21 20:45	1.705	14.07	15.8	10	29.24	0
10/3/21 21:00	3.604	5.005	17.66	10.12	29.25	0
10/3/21 21:15	5.771	14.98	10.58	9.98	29.24	0
10/3/21 21:30	7.351	21.16	10.08	9.89	29.24	0
10/3/21 21:45	6.492	10.77	10.23	9.83	29.24	0
10/3/21 22:00	3.871	5.278	14.39	9.84	29.24	0
10/3/21 22:15	5.186	24.29	8.85	9.96	29.24	0
10/3/21 22:30	6.177	26.21	8.4	9.88	29.24	0
10/3/21 22:45	6.817	16.62	10.67	9.89	29.23	0
10/3/21 23:00	7.52	10.56	13	10.19	29.23	0
10/3/21 23:15	7.096	11.05	13.65	10.32	29.23	0
10/3/21 23:30	7.815	13.11	9.8	10.34	29.22	0
10/3/21 23:45	6.927	14.01	11.8	10.19	29.22	0
10/4/21 0:00	7.209	14.75	8.58	10.03	29.21	0
10/4/21 0:15	7.784	14.24	9.88	10.01	29.21	0
10/4/21 0:30	7.333	16.42	9.14	9.89	29.21	0
10/4/21 0:45	6.085	16.27	11.76	9.89	29.2	0
10/4/21 1:00	5.344	15.63	7.852	9.88	29.2	0
10/4/21 1:15	5.75	24.59	10.17	9.79	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
10/4/21 1:30	6.844	20.76	10.71	9.6	29.19	0
10/4/21 1:45	5.706	22.53	8.57	9.53	29.19	0
10/4/21 2:00	5.748	14.09	10.06	9.52	29.19	0
10/4/21 2:15	4.665	7.235	10.66	9.52	29.19	0
10/4/21 2:30	4.114	9.87	9.36	9.41	29.19	0
10/4/21 2:45	4.359	12.56	5.885	9.32	29.19	0
10/4/21 3:00	4.61	9.77	11.63	9.31	29.19	0
10/4/21 3:15	3.827	16.64	12.14	9.36	29.19	0
10/4/21 3:30	7.276	16.84	10.27	9.3	29.19	0
10/4/21 3:45	9.19	15.38	7.995	9.26	29.19	0
10/4/21 4:00	6.629	14.62	9.22	9.33	29.19	0
10/4/21 4:15	8.61	13.31	10.87	9.3	29.19	0
10/4/21 4:30	7.552	18.5	10.08	9.19	29.18	0
10/4/21 4:45	6.686	18.49	8.49	9.13	29.18	0
10/4/21 5:00	5.318	15.44	10.55	9.06	29.18	0
10/4/21 5:15	4.244	16.24	7.576	9.04	29.18	0
10/4/21 5:30	2.553	15.08	13.87	9.08	29.18	0
10/4/21 5:45	4.021	18.1	8.66	9	29.18	0
10/4/21 6:00	4.626	13.12	9.7	8.98	29.18	0
10/4/21 6:15	4.558	23.7	6.605	8.96	29.17	0
10/4/21 6:30	6.113	15.86	8.42	8.95	29.17	0
10/4/21 6:45	6.07	16.39	7.897	8.93	29.17	0
10/4/21 7:00	6.181	16.63	7.931	8.94	29.17	0
10/4/21 7:15	4.439	16.92	7.806	8.98	29.16	0
10/4/21 7:30	1.609	16.23	2.767	9.06	29.17	0
10/4/21 7:45	1.175	28.62	4.766	9.18	29.16	0
10/4/21 8:00	1.38	25.32	5.469	9.38	29.16	0
10/4/21 8:15	3.371	14.18	5.085	9.52	29.16	0
10/4/21 8:30	3.957	15.78	8.54	9.68	29.16	0
10/4/21 8:45	3.072	26.95	11.11	9.9	29.16	0
10/4/21 9:00	2.905	20.81	15.46	10.54	29.16	0
10/4/21 9:15	1.518	1.67	23.72	11.44	29.15	0
10/4/21 9:30	2.204	5.16	15.23	11.26	29.15	0
10/4/21 9:45	3.744	18.8	16.11	11.31	29.15	0
10/4/21 10:00	3.302	11.68	22.74	12.2	29.15	0
10/4/21 10:15	2.612	4.588	23.51	12.64	29.15	0
10/4/21 10:30	3.276	14.4	23.01	12.7	29.15	0
10/4/21 10:45	2.631	9.33	39.94	13.25	29.14	0
10/4/21 11:00	4.132	37.86	15.01	12.92	29.14	0
10/4/21 11:15	4.874	27.95	9.84	12.74	29.13	0
10/4/21 11:30	5.047	20.06	13.28	12.76	29.13	0
10/4/21 11:45	4.848	12.4	12.53	13.03	29.12	0
10/4/21 12:00	4.907	16.24	7.968	13.02	29.12	0
10/4/21 12:15	5.738	22.58	12.79	13.2	29.11	0
10/4/21 12:30	5.448	18.13	11.62	13.27	29.1	0
10/4/21 12:45	4.555	13.36	13.1	13.2	29.09	0
10/4/21 13:00	2.877	349.2	27.51	13.62	29.08	0
10/4/21 13:15	3.012	337.4	24.67	13.86	29.08	0
10/4/21 13:30	3.948	6.05	22.81	13.98	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
10/4/21 13:45	4.569	342.3	20.74	14.18	29.06	0
10/4/21 14:00	4.775	311.4	14.59	14.39	29.06	0
10/4/21 14:15	3.615	314.2	26.22	14.55	29.05	0
10/4/21 14:30	3.723	288.6	22.2	14.59	29.05	0
10/4/21 14:45	2.877	314.4	21.48	14.61	29.04	0
10/4/21 15:00	4.198	24.55	8.5	14.31	29.04	0
10/4/21 15:15	3.359	30.39	9.76	14.33	29.04	0
10/4/21 15:30	3.512	21.36	19.96	14.46	29.03	0
10/4/21 15:45	3.074	20.55	8.7	14.6	29.03	0
10/4/21 16:00	2.344	17.19	9.48	14.56	29.02	0
10/4/21 16:15	2.322	19.33	6.622	14.43	29.02	0
10/4/21 16:30	1.341	8.01	1.303	14.53	29.02	0
10/4/21 16:45	2.023	11.26	1.727	14.21	29.01	0
10/4/21 17:00	2.141	12.39	17.99	13.8	29.01	0
10/4/21 17:15	2.491	9.04	9.71	13.46	29.01	0
10/4/21 17:30	2.569	3.579	10.14	13.23	29	0
10/4/21 17:45	2.396	6.176	6.948	13.06	29	0
10/4/21 18:00	2.486	6.09	13.41	12.75	29	0
10/4/21 18:15	2.692	10.77	7.633	12.32	29	0
10/4/21 18:30	2.552	12.4	5.632	12.16	28.99	0
10/4/21 18:45	2.66	4.08	0.625	11.93	28.99	0
10/4/21 19:00	2.359	19.19	12.3	11.82	28.99	0
10/4/21 19:15	2.239	21.02	6.492	11.62	28.99	0
10/4/21 19:30	2.799	39.28	5.627	11.63	28.98	0
10/4/21 19:45	1.784	40.07	2.152	11.72	28.98	0
10/4/21 20:00	0.459	41.62	5.037	11.82	28.98	0
10/4/21 20:15	0	0	0	11.65	28.99	0
10/4/21 20:30	0.954	43.99	6.757	11.7	28.98	0
10/4/21 20:45	0.786	115.1	50.04	11.71	28.98	0
10/4/21 21:00	2.323	140.8	7.647	12.19	28.98	0
10/4/21 21:15	2.39	130.3	2.854	12.13	28.98	0
10/4/21 21:30	2.908	120.6	9.01	11.73	28.98	0
10/4/21 21:45	4.052	102	4.051	11.47	28.98	0
10/4/21 22:00	3.156	104.5	15.55	11.4	28.97	0
10/4/21 22:15	4.421	136.9	6.278	11.91	28.97	0
10/4/21 22:30	5.172	143.2	17.25	11.74	28.97	0
10/4/21 22:45	5.636	149.7	23.18	11.67	28.97	0
10/4/21 23:00	2.833	138.9	17.14	11.46	28.97	0
10/4/21 23:15	3.829	146.8	31.68	11.3	28.97	0
10/4/21 23:30	3.364	107.8	22.43	11.78	28.96	0
10/4/21 23:45	1.466	72.42	27.53	11.41	28.96	0
10/5/21 0:00	3.83	138.7	25.61	11.48	28.96	0
10/5/21 0:15	1.807	130.1	21.5	11.34	28.96	0
10/5/21 0:30	1.426	97.4	10.59	11.71	28.96	0
10/5/21 0:45	1.373	89.7	13.38	11.95	28.95	0
10/5/21 1:00	3.242	170.5	20.81	11.85	28.95	0
10/5/21 1:15	4.17	164.8	13.85	11.37	28.95	0
10/5/21 1:30	1.635	148.4	30.17	12.03	28.95	0
10/5/21 1:45	0.746	95.3	16.19	12.13	28.95	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/5/21 2:00	1.829	105.9	16.14	12	28.95	0
10/5/21 2:15	2.918	155.2	13.05	12.09	28.95	0
10/5/21 2:30	2.523	143.6	11.81	11.97	28.94	0
10/5/21 2:45	1.968	136.1	19.29	11.77	28.94	0
10/5/21 3:00	1.994	107.1	13.13	11.85	28.94	0
10/5/21 3:15	1.198	89.4	9.75	11.68	28.94	0
10/5/21 3:30	0.655	64.95	49.32	11.51	28.94	0
10/5/21 3:45	2.102	113.1	4.138	11.64	28.93	0
10/5/21 4:00	2.825	140.1	26.76	11.75	28.93	0
10/5/21 4:15	3.411	172.8	16.56	11.12	28.93	0
10/5/21 4:30	2.471	216.4	63.44	10.97	28.93	0
10/5/21 4:45	1.498	240.2	46.07	10.53	28.93	0
10/5/21 5:00	3.261	225.5	22.53	10.62	28.93	0
10/5/21 5:15	5.198	212.8	27.83	10.84	28.93	0
10/5/21 5:30	8.23	257	6.013	11.5	28.93	0
10/5/21 5:45	8.05	272.9	7.371	11.44	28.94	0
10/5/21 6:00	4.2	285.6	16.73	11.36	28.94	0
10/5/21 6:15	1.738	23.1	47.7	10.75	28.93	0
10/5/21 6:30	1.41	74.99	5.363	10.44	28.93	0
10/5/21 6:45	1.377	141.7	56.43	10.96	28.94	0
10/5/21 7:00	0.97	37.84	33.68	11.05	28.94	0
10/5/21 7:15	3.148	93.3	36.16	11.14	28.95	0
10/5/21 7:30	2.947	79.99	19.37	11.25	28.96	0
10/5/21 7:45	3.922	185.4	69.2	11.31	28.96	0
10/5/21 8:00	4.733	214.3	34.76	11.27	28.98	0
10/5/21 8:15	5.586	152.4	22.62	10.68	28.99	0
10/5/21 8:30	7.719	142.1	14.18	10.98	28.99	0
10/5/21 8:45	7.975	139.7	11.3	11.03	29	0
10/5/21 9:00	9.88	141.8	13.37	11.11	29	0
10/5/21 9:15	10.27	143.6	7.212	10.93	29.01	0
10/5/21 9:30	11.19	150.1	8.47	10.83	29.02	0
10/5/21 9:45	11.37	163.7	8.89	10.71	29.02	0
10/5/21 10:00	10.11	168.3	9.31	10.74	29.03	0
10/5/21 10:15	11.12	170.5	9.27	10.77	29.03	0
10/5/21 10:30	10.64	157.5	9.6	10.87	29.04	0
10/5/21 10:45	10.74	152.9	10.89	10.99	29.05	0
10/5/21 11:00	11.98	163.6	9.87	11.1	29.05	0
10/5/21 11:15	11.13	169.3	10.55	11.14	29.06	0
10/5/21 11:30	9.51	173.4	9.04	11.08	29.07	0
10/5/21 11:45	9.3	169.1	8.74	11.04	29.07	0
10/5/21 12:00	9.12	168.8	9.4	10.93	29.08	0
10/5/21 12:15	8.2	157	9.59	10.96	29.08	0
10/5/21 12:30	8.75	154.6	13.05	10.84	29.08	0
10/5/21 12:45	9.39	136.9	8.24	10.64	29.08	0
10/5/21 13:00	8.16	127.6	9.33	10.58	29.08	0
10/5/21 13:15	8.52	133.6	9.92	10.46	29.09	0
10/5/21 13:30	7.403	130.6	8.98	10.44	29.09	0
10/5/21 13:45	7.365	138.4	8.07	10.48	29.09	0
10/5/21 14:00	7.457	136.6	7.746	10.65	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
10/5/21 14:15	9.58	138.2	9.17	10.67	29.1	0
10/5/21 14:30	9.45	136.2	9.19	10.59	29.11	0
10/5/21 14:45	8.19	126.4	10.18	10.38	29.11	0
10/5/21 15:00	8.49	131.5	8.93	10.26	29.11	0
10/5/21 15:15	9.19	134.8	9.55	10.21	29.11	0
10/5/21 15:30	8.83	157.7	16.58	10.19	29.12	0
10/5/21 15:45	6.651	175.6	21.8	10.13	29.13	0
10/5/21 16:00	4.118	141.8	11.02	9.85	29.13	0
10/5/21 16:15	6.367	126	11.52	9.82	29.13	0
10/5/21 16:30	6.94	123.4	10.29	9.77	29.13	0
10/5/21 16:45	7.986	117.6	9.97	9.7	29.13	0
10/5/21 17:00	7.217	117.7	7.602	9.65	29.13	0
10/5/21 17:15	7.388	114	9.45	9.53	29.13	0
10/5/21 17:30	7.748	109.5	11.19	9.44	29.13	0
10/5/21 17:45	7.299	114.7	10.03	9.51	29.14	0
10/5/21 18:00	7.072	117.6	10.97	9.51	29.14	0
10/5/21 18:15	6.454	114.2	7.956	9.56	29.14	0
10/5/21 18:30	6.707	119	8.01	9.7	29.14	0
10/5/21 18:45	6.519	120.6	9.09	9.75	29.14	0
10/5/21 19:00	6.386	123.6	7.882	9.66	29.14	0
10/5/21 19:15	5.207	129.1	7.98	9.46	29.15	0
10/5/21 19:30	4.512	131.2	8.34	9.13	29.15	0
10/5/21 19:45	4.992	123.2	6.711	9.2	29.15	0
10/5/21 20:00	5.816	133.6	7.618	9.16	29.15	0
10/5/21 20:15	7.654	141.3	4.54	8.87	29.15	0
10/5/21 20:30	6.631	155.7	7.74	8.7	29.16	0
10/5/21 20:45	4.262	153.7	6.479	8.5	29.16	0
10/5/21 21:00	4.186	119.7	10.61	8.35	29.16	0
10/5/21 21:15	5.231	109.8	9.97	8.45	29.16	0
10/5/21 21:30	5.208	116.6	8.43	8.51	29.16	0
10/5/21 21:45	5.719	128.7	9.7	8.53	29.16	0
10/5/21 22:00	6.226	136.4	7.445	8.4	29.16	0
10/5/21 22:15	7.074	123.6	7.028	8.51	29.16	0
10/5/21 22:30	8.1	129.6	7.226	8.5	29.16	0
10/5/21 22:45	8	131.7	9.03	8.75	29.17	0
10/5/21 23:00	7.552	132.3	8.44	8.86	29.17	0
10/5/21 23:15	7.101	135.1	7.491	8.59	29.17	0
10/5/21 23:30	6.028	136.2	6.428	8.63	29.17	0
10/5/21 23:45	6.021	139.1	8.55	8.31	29.17	0
10/6/21 0:00	5.602	131.5	5.72	8.15	29.17	0
10/6/21 0:15	7.156	140	11.66	8.12	29.17	0
10/6/21 0:30	8.86	139.4	11.29	8.07	29.17	0
10/6/21 0:45	8.82	138.6	9.92	8.14	29.18	0
10/6/21 1:00	8.18	128	9.18	8.22	29.18	0
10/6/21 1:15	9.46	128.6	8.11	8.47	29.18	0
10/6/21 1:30	9.61	135.5	8.48	8.45	29.18	0
10/6/21 1:45	10.62	141.2	6.996	8.58	29.18	0
10/6/21 2:00	10.75	137.8	7.527	8.74	29.18	0
10/6/21 2:15	9.62	133.7	8.26	8.92	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
10/6/21 2:30	9.94	138.3	8.57	8.93	29.18	0
10/6/21 2:45	9.94	135.9	8.27	9.22	29.18	0
10/6/21 3:00	8.77	143.3	5.49	9.02	29.18	0
10/6/21 3:15	8.36	142.1	6.6	8.93	29.18	0
10/6/21 3:30	8.05	149.5	7.382	8.97	29.19	0
10/6/21 3:45	8.12	142.7	7.469	8.56	29.19	0
10/6/21 4:00	7.537	139	8.36	8.58	29.19	0
10/6/21 4:15	8.08	142.9	7.321	8.74	29.19	0
10/6/21 4:30	6.66	130.4	8.09	8.85	29.2	0
10/6/21 4:45	8.4	136	7.464	8.98	29.2	0
10/6/21 5:00	7.94	135	8.74	8.92	29.2	0
10/6/21 5:15	7.702	142.5	6.96	8.96	29.21	0
10/6/21 5:30	8.28	154.4	7.877	8.94	29.21	0
10/6/21 5:45	9.88	167.7	7.238	9.26	29.21	0
10/6/21 6:00	6.99	179	8.84	8.96	29.22	0
10/6/21 6:15	5.088	178.1	8.44	8.7	29.22	0
10/6/21 6:30	3.265	167.5	71.33	8.3	29.23	0
10/6/21 6:45	2.278	303.8	8.46	7.856	29.23	0
10/6/21 7:00	0.717	84.3	23.18	7.919	29.23	0
10/6/21 7:15	2.324	130.3	39.05	7.988	29.24	0
10/6/21 7:30	2.432	103.2	12.97	7.714	29.24	0
10/6/21 7:45	2.967	89.4	16.77	7.656	29.24	0
10/6/21 8:00	4.621	115.7	7.715	7.846	29.24	0
10/6/21 8:15	3.315	99.6	15.86	8.13	29.25	0
10/6/21 8:30	3.848	112.9	14.9	8.41	29.25	0
10/6/21 8:45	3.762	105.6	9.56	8.61	29.26	0
10/6/21 9:00	4.355	103.7	12.69	8.98	29.26	0
10/6/21 9:15	4.047	135.6	43.69	9.36	29.27	0
10/6/21 9:30	2.631	171.1	20.47	9.07	29.27	0
10/6/21 9:45	2.952	144.3	28.37	9.51	29.27	0
10/6/21 10:00	1.896	44.18	22.35	9.66	29.28	0
10/6/21 10:15	1.157	56.19	25.64	10.03	29.28	0
10/6/21 10:30	2.813	143.2	51.82	10.99	29.28	0
10/6/21 10:45	5.007	175.7	21.47	11.03	29.28	0
10/6/21 11:00	4.176	216.2	25.88	10.34	29.28	0
10/6/21 11:15	2.985	240	18.14	9.92	29.28	0
10/6/21 11:30	3.246	327.5	59.83	9.94	29.28	0
10/6/21 11:45	5.079	264	16.56	9.61	29.28	0
10/6/21 12:00	1.759	303.1	12.63	10.02	29.28	0
10/6/21 12:15	2.198	275.7	27.15	10.24	29.28	0
10/6/21 12:30	2.261	251.7	14.08	10.3	29.28	0
10/6/21 12:45	5.229	220.4	14.56	10.14	29.28	0
10/6/21 13:00	5.367	212.9	11.15	10.08	29.29	0
10/6/21 13:15	4.555	179.6	25.43	10.19	29.28	0
10/6/21 13:30	4.761	123.5	17.31	10.99	29.28	0
10/6/21 13:45	4.636	140.4	44.46	11.47	29.28	0
10/6/21 14:00	5.818	162	18.5	11.81	29.28	0
10/6/21 14:15	7.22	139.2	12.14	11.47	29.27	0
10/6/21 14:30	6.88	135.2	9.79	11.23	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/6/21 14:45	5.029	123.6	13.08	11.24	29.28	0
10/6/21 15:00	4.245	89.9	14.65	11.29	29.28	0
10/6/21 15:15	5.735	99.4	16.24	10.96	29.27	0
10/6/21 15:30	5.051	96.7	15.99	10.9	29.28	0
10/6/21 15:45	4.524	124.4	21.25	11.27	29.28	0
10/6/21 16:00	4.471	168	22.11	11.73	29.28	0
10/6/21 16:15	5.707	157.8	20.94	11.65	29.28	0
10/6/21 16:30	3.422	145	15.76	11.27	29.28	0
10/6/21 16:45	4.302	131.9	7.241	10.88	29.28	0
10/6/21 17:00	5.659	121.4	8.46	10.8	29.28	0
10/6/21 17:15	5.407	124.4	10.02	10.73	29.28	0
10/6/21 17:30	4.8	131.5	11.66	10.88	29.29	0
10/6/21 17:45	4.671	138.6	12.15	10.61	29.29	0
10/6/21 18:00	6.108	155.1	14.63	10.11	29.29	0
10/6/21 18:15	5.668	162.5	12.15	10.04	29.3	0
10/6/21 18:30	3.163	163.2	7.706	9.77	29.3	0
10/6/21 18:45	3.681	157.7	11.14	9.59	29.31	0
10/6/21 19:00	2.977	133.3	17	9.31	29.31	0
10/6/21 19:15	1.999	128.8	32.84	9.31	29.32	0
10/6/21 19:30	3.37	198.9	11.51	9.72	29.32	0
10/6/21 19:45	3.881	170.7	8.65	9.76	29.32	0
10/6/21 20:00	4.901	185	10.42	9.82	29.32	0
10/6/21 20:15	4.154	190.9	11.01	9.83	29.32	0
10/6/21 20:30	3.707	192.8	15.9	9.77	29.33	0
10/6/21 20:45	4.366	188.4	11.16	9.67	29.33	0
10/6/21 21:00	5.066	184.4	6.916	9.46	29.33	0
10/6/21 21:15	5.418	197.3	8.94	9.24	29.33	0
10/6/21 21:30	5.146	199.2	7.969	9.35	29.34	0
10/6/21 21:45	3.959	188.6	5.822	9.14	29.34	0
10/6/21 22:00	3.853	178.8	9.46	8.91	29.34	0
10/6/21 22:15	4.416	196.7	13.75	9.01	29.34	0
10/6/21 22:30	4.635	175.4	16.37	9.03	29.34	0
10/6/21 22:45	4.962	167.9	8.43	8.72	29.34	0
10/6/21 23:00	5.775	175.1	8.57	8.58	29.34	0
10/6/21 23:15	5.253	162.6	12.17	8.45	29.34	0
10/6/21 23:30	3.683	124.1	12.17	8.08	29.34	0
10/6/21 23:45	4.924	129.5	6.563	7.834	29.34	0
10/7/21 0:00	5.056	132.8	7.457	7.563	29.34	0
10/7/21 0:15	4.085	131.2	8.42	7.609	29.35	0
10/7/21 0:30	3.277	149.3	15.7	7.531	29.35	0
10/7/21 0:45	2.163	172.5	7.782	7.583	29.35	0
10/7/21 1:00	0.649	260.4	29.58	7.615	29.35	0
10/7/21 1:15	1.733	127.1	18.77	7.655	29.35	0
10/7/21 1:30	1.811	117.8	15.69	7.511	29.35	0
10/7/21 1:45	0.951	130.3	24.37	7.35	29.35	0
10/7/21 2:00	1.099	112.5	21.49	7.537	29.35	0
10/7/21 2:15	0.456	88.1	16.08	7.585	29.35	0
10/7/21 2:30	0.115	86.7	12.77	7.673	29.34	0
10/7/21 2:45	0.85	76.16	10.36	7.654	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
10/7/21 3:00	1.597	66.56	8.91	7.492	29.34	0
10/7/21 3:15	2.851	117.4	9.52	7.431	29.34	0
10/7/21 3:30	3.649	107	13.57	7.177	29.34	0
10/7/21 3:45	2.383	109.8	59.9	7.005	29.35	0
10/7/21 4:00	1.846	353.7	12.7	6.483	29.34	0
10/7/21 4:15	0.719	29.45	8.01	6.73	29.34	0
10/7/21 4:30	0.275	50.4	1.036	6.7	29.34	0
10/7/21 4:45	2.263	343.8	21.27	6.018	29.35	0
10/7/21 5:00	2.123	345.2	4.324	6.008	29.35	0
10/7/21 5:15	1.844	356.5	20.07	6.022	29.35	0
10/7/21 5:30	1.473	16.07	10.28	6.246	29.35	0
10/7/21 5:45	0.705	19.95	0.307	6.21	29.35	0
10/7/21 6:00	0.065	76.97	0.03	6.334	29.34	0
10/7/21 6:15	0.936	346	5.101	5.797	29.35	0
10/7/21 6:30	0.425	45.84	24.7	5.93	29.35	0
10/7/21 6:45	0.602	9.22	17.95	5.911	29.35	0
10/7/21 7:00	1.637	4.686	2.114	5.737	29.35	0
10/7/21 7:15	0.153	16.13	4.942	6.357	29.35	0
10/7/21 7:30	0.3	54.49	12.21	6.986	29.35	0
10/7/21 7:45	2.501	166.6	21.09	7.138	29.35	0
10/7/21 8:00	3.47	191.7	9.69	6.719	29.35	0
10/7/21 8:15	2.942	158.4	16.69	7.033	29.35	0
10/7/21 8:30	0.896	90.5	12.75	8.13	29.35	0
10/7/21 8:45	0.256	68.32	35.84	7.919	29.35	0
10/7/21 9:00	1.719	259.6	14.95	7.677	29.35	0
10/7/21 9:15	0.594	282.5	5.766	7.951	29.34	0
10/7/21 9:30	2.478	237.8	12.2	8.25	29.34	0
10/7/21 9:45	2.051	250.6	15.58	8.27	29.34	0
10/7/21 10:00	0.802	320.1	39.88	8.41	29.34	0
10/7/21 10:15	2.847	356.9	38.22	9.7	29.33	0
10/7/21 10:30	3.793	322.5	21.39	10.47	29.33	0
10/7/21 10:45	3.463	318.4	15.19	10.01	29.32	0
10/7/21 11:00	4.741	314.3	36.65	10.96	29.32	0
10/7/21 11:15	4.319	307.5	42.7	10.76	29.31	0
10/7/21 11:30	5.834	339.6	33.54	11.34	29.31	0
10/7/21 11:45	6.868	340.7	28.07	11.13	29.3	0
10/7/21 12:00	6.24	346.6	23.81	11.47	29.3	0
10/7/21 12:15	8.6	14.58	14.52	11.62	29.29	0
10/7/21 12:30	6.902	2.194	23.12	11.98	29.29	0
10/7/21 12:45	6.496	1.494	25.05	11.65	29.28	0
10/7/21 13:00	7.897	26.05	12.2	12	29.28	0
10/7/21 13:15	7.933	11.78	14.4	11.67	29.27	0
10/7/21 13:30	5.454	352.9	22.68	12.32	29.27	0
10/7/21 13:45	5.423	356.4	32.65	12.6	29.27	0
10/7/21 14:00	6.016	351.4	21.79	12.18	29.26	0
10/7/21 14:15	7.181	19.78	16.18	12.67	29.26	0
10/7/21 14:30	5.917	15.92	19.22	12.76	29.25	0
10/7/21 14:45	7.283	19.6	17.75	12.68	29.24	0
10/7/21 15:00	7.046	16.35	10.43	12.63	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/7/21 15:15	6.077	17.38	10.8	12.72	29.23	0
10/7/21 15:30	5.454	8.39	17.51	12.91	29.23	0
10/7/21 15:45	5.552	339.1	31.59	12.92	29.23	0
10/7/21 16:00	4.726	304.9	14.3	13.13	29.23	0
10/7/21 16:15	5.268	319.7	19.59	12.8	29.22	0
10/7/21 16:30	5.877	319.5	11.68	12.34	29.22	0
10/7/21 16:45	5.72	315.6	7.822	12.06	29.22	0
10/7/21 17:00	6.461	308.9	4.872	11.79	29.22	0
10/7/21 17:15	7.162	297.2	6.491	11.33	29.22	0
10/7/21 17:30	6.874	300.4	7.06	10.54	29.22	0
10/7/21 17:45	4.776	312.8	4.734	10.2	29.22	0
10/7/21 18:00	4.654	315.9	4.02	10.14	29.22	0
10/7/21 18:15	4.517	309.3	7.985	10.11	29.22	0
10/7/21 18:30	2.682	347	25.18	9.73	29.22	0
10/7/21 18:45	2.804	16.51	15.12	9.11	29.22	0
10/7/21 19:00	4.088	26.73	9.38	8.54	29.22	0
10/7/21 19:15	5.085	24.58	5.132	7.892	29.22	0
10/7/21 19:30	5.285	29.11	6.206	7.568	29.21	0
10/7/21 19:45	5.814	26.74	7.328	7.652	29.21	0
10/7/21 20:00	6.472	27.29	7.32	7.627	29.21	0
10/7/21 20:15	6.377	33.32	8.64	7.831	29.21	0
10/7/21 20:30	8.45	23.34	7.454	7.732	29.2	0
10/7/21 20:45	6.733	35.85	8.32	7.465	29.2	0
10/7/21 21:00	5.468	38.58	7.754	7.905	29.2	0
10/7/21 21:15	4.254	29.18	8.22	7.684	29.19	0
10/7/21 21:30	3.582	36.56	7.67	7.567	29.19	0
10/7/21 21:45	2.784	33.33	9.26	7.053	29.19	0
10/7/21 22:00	1.887	46	12.78	6.996	29.19	0
10/7/21 22:15	2.524	37.13	7.905	6.766	29.18	0
10/7/21 22:30	1.632	53.51	16.62	6.118	29.18	0
10/7/21 22:45	2.221	26.46	21.46	6.182	29.18	0
10/7/21 23:00	2.278	19.56	12.22	6.111	29.18	0
10/7/21 23:15	2.075	22.82	13.76	5.823	29.18	0
10/7/21 23:30	1.347	40.77	12.23	5.698	29.18	0
10/7/21 23:45	2.144	83.5	12.87	5.884	29.18	0
10/8/21 0:00	2.333	120.9	8.05	6.273	29.17	0
10/8/21 0:15	2.902	97.1	11.79	6.44	29.17	0
10/8/21 0:30	2.399	92.2	4.69	5.476	29.17	0
10/8/21 0:45	1.883	94.6	2.642	5.755	29.17	0
10/8/21 1:00	1.623	98.1	3.515	5.884	29.17	0
10/8/21 1:15	0.599	101.7	0.23	5.926	29.17	0
10/8/21 1:30	2.515	165.5	20.24	5.92	29.17	0
10/8/21 1:45	3.672	168.2	4.658	5.261	29.17	0
10/8/21 2:00	2.75	138.5	9.46	5.333	29.17	0
10/8/21 2:15	1.425	93.7	21.78	5.746	29.17	0
10/8/21 2:30	0.838	56.62	7.609	5.836	29.17	0
10/8/21 2:45	0.081	53.98	0.25	5.58	29.16	0
10/8/21 3:00	1.236	119.3	5.636	5.725	29.16	0
10/8/21 3:15	0.998	123.8	4.106	5.622	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/8/21 3:30	1.517	213.7	11.65	5.217	29.17	0
10/8/21 3:45	1.628	163.8	15.21	5.231	29.17	0
10/8/21 4:00	3.095	164.4	5.406	4.937	29.17	0
10/8/21 4:15	3.943	167.9	5.154	4.731	29.17	0
10/8/21 4:30	3.89	168.4	4.288	4.774	29.17	0
10/8/21 4:45	4.077	184.9	11.82	4.376	29.17	0
10/8/21 5:00	3.705	173.6	10.26	4.285	29.17	0
10/8/21 5:15	3.907	165.5	14.26	4.442	29.18	0
10/8/21 5:30	2.23	88.9	22.66	4.307	29.18	0
10/8/21 5:45	2.248	76.64	17.46	4.106	29.17	0
10/8/21 6:00	2.48	129	19.2	4.211	29.17	0
10/8/21 6:15	2.876	164.6	3.583	5.12	29.17	0
10/8/21 6:30	2.819	158.2	7.435	4.851	29.17	0
10/8/21 6:45	3.053	145.5	4.38	4.887	29.18	0
10/8/21 7:00	2.723	154	4.912	5.094	29.18	0
10/8/21 7:15	2.542	123.7	19.08	5.516	29.18	0
10/8/21 7:30	0.928	74.93	8.96	5.386	29.18	0
10/8/21 7:45	0.309	38.89	30.13	5.955	29.18	0
10/8/21 8:00	1.425	216	13.65	6.732	29.18	0
10/8/21 8:15	2.854	195.9	19.13	7.293	29.19	0
10/8/21 8:30	3.723	188.6	6.687	7.184	29.19	0
10/8/21 8:45	2.452	194.6	8.36	6.839	29.2	0
10/8/21 9:00	2.796	212.6	11.82	7.201	29.2	0
10/8/21 9:15	3.609	213.4	8.5	7.106	29.2	0
10/8/21 9:30	3.194	196.3	12.79	7.127	29.21	0
10/8/21 9:45	2.581	165.2	16.1	7.415	29.21	0
10/8/21 10:00	2.336	159.1	18.11	7.865	29.21	0
10/8/21 10:15	2.21	132.9	21.17	8.56	29.21	0
10/8/21 10:30	1.865	128.3	42.71	9.08	29.21	0
10/8/21 10:45	3.178	130.2	28.53	9.92	29.21	0
10/8/21 11:00	3.843	167	40.37	10.29	29.21	0
10/8/21 11:15	5.497	193.7	10.34	9.73	29.21	0
10/8/21 11:30	4.532	214.9	15.2	9.95	29.21	0
10/8/21 11:45	4.371	211.1	27.1	10.28	29.21	0
10/8/21 12:00	2.748	191.1	30.43	11.12	29.21	0
10/8/21 12:15	4.28	210.3	20.98	11.59	29.21	0
10/8/21 12:30	3.264	227.8	25.12	11.81	29.21	0
10/8/21 12:45	3.468	183.8	34.71	11.95	29.21	0
10/8/21 13:00	5.038	198.9	14.44	12.45	29.21	0
10/8/21 13:15	3.408	236.9	24.89	12.53	29.21	0
10/8/21 13:30	4.841	248.4	19.99	12.84	29.21	0
10/8/21 13:45	4.862	236.9	19.54	12.43	29.21	0
10/8/21 14:00	3.501	215.2	21.59	12.9	29.21	0
10/8/21 14:15	2.965	276.5	40.61	13.14	29.21	0
10/8/21 14:30	3.162	251.9	76.14	13.14	29.21	0
10/8/21 14:45	3.185	252.3	31.19	13.4	29.21	0
10/8/21 15:00	4.325	231.6	34.62	13.41	29.21	0
10/8/21 15:15	4.92	281.4	15.83	13.36	29.22	0
10/8/21 15:30	4.922	263.6	15.81	13.37	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
10/8/21 15:45	4.593	241.2	20.47	13.4	29.22	0
10/8/21 16:00	3.398	232.5	30.19	13.42	29.23	0
10/8/21 16:15	3.217	247.4	11.78	13.36	29.23	0
10/8/21 16:30	4.696	230.2	21.23	13.25	29.23	0
10/8/21 16:45	4.363	222.8	12.14	12.99	29.24	0
10/8/21 17:00	4.271	213.8	8.27	12.75	29.24	0
10/8/21 17:15	4.414	214.3	3.389	12.49	29.24	0
10/8/21 17:30	4.165	218.9	3.034	12.03	29.25	0
10/8/21 17:45	2.872	214.6	3.676	11.75	29.25	0
10/8/21 18:00	1.528	27.95	77.36	11.08	29.25	0
10/8/21 18:15	1.668	37.44	7.967	10.3	29.25	0
10/8/21 18:30	2.36	64.68	5.593	9.73	29.25	0
10/8/21 18:45	1.942	44.73	9.67	9.48	29.25	0
10/8/21 19:00	2.455	37.19	5.213	9.4	29.26	0
10/8/21 19:15	1.813	28.8	2.505	8.91	29.26	0
10/8/21 19:30	2.044	57.28	24.58	8.69	29.26	0
10/8/21 19:45	3.652	90.2	5.589	8.02	29.26	0
10/8/21 20:00	2.413	144.2	14.74	8.13	29.26	0
10/8/21 20:15	2.848	133.1	8.8	8.34	29.26	0
10/8/21 20:30	3.381	118.3	5.787	8.65	29.27	0
10/8/21 20:45	3.396	124.8	4.512	8.36	29.27	0
10/8/21 21:00	2.861	99.6	6.937	7.583	29.28	0
10/8/21 21:15	3.136	99.1	6.711	8.17	29.28	0
10/8/21 21:30	3.668	131.8	7.753	8.01	29.28	0
10/8/21 21:45	3.083	125.7	4.903	7.962	29.29	0
10/8/21 22:00	3.627	123	5.523	8.11	29.29	0
10/8/21 22:15	3.647	128	3.873	7.994	29.29	0
10/8/21 22:30	4.162	127.9	5.554	8.13	29.29	0
10/8/21 22:45	4.222	139.7	11.12	7.728	29.29	0
10/8/21 23:00	5.051	143.3	7.949	7.321	29.3	0
10/8/21 23:15	3.512	156.4	10.32	6.889	29.31	0
10/8/21 23:30	3.826	153.4	3.065	6.644	29.31	0
10/8/21 23:45	3.836	149.5	8.1	6.549	29.31	0
10/9/21 0:00	3.872	136.5	8.81	6.806	29.31	0
10/9/21 0:15	4.078	158.2	9.6	6.265	29.32	0
10/9/21 0:30	5.593	170.1	5.53	5.878	29.32	0
10/9/21 0:45	6.47	169.3	7.029	5.753	29.32	0
10/9/21 1:00	6.608	171	7.597	5.455	29.33	0
10/9/21 1:15	5.741	165.5	7.281	5.337	29.34	0
10/9/21 1:30	4.912	143	13.04	5.588	29.34	0
10/9/21 1:45	3.808	123.1	3.489	6.19	29.34	0
10/9/21 2:00	3.833	146.7	12.79	6.121	29.35	0
10/9/21 2:15	4.526	145.9	11.93	6.19	29.35	0
10/9/21 2:30	5.284	115.5	4.838	6.166	29.35	0
10/9/21 2:45	4.992	116.8	5.759	6.992	29.35	0
10/9/21 3:00	5.167	122.5	6.714	7.368	29.36	0
10/9/21 3:15	5.457	130.9	5.404	7.416	29.36	0
10/9/21 3:30	5.197	132.3	5.486	7.389	29.36	0
10/9/21 3:45	5.011	129.3	6.837	7.684	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
10/9/21 4:00	5.699	127.6	5.844	7.967	29.36	0
10/9/21 4:15	5.42	127	6.649	8.13	29.36	0
10/9/21 4:30	4.784	119.4	5.891	8.31	29.36	0
10/9/21 4:45	3.861	124	6.345	8.43	29.37	0
10/9/21 5:00	4.216	142.8	6.683	8.2	29.37	0
10/9/21 5:15	4.559	140.2	6.385	8.17	29.37	0
10/9/21 5:30	3.989	138.6	4.81	8.18	29.37	0
10/9/21 5:45	4.027	130.3	6.135	8.08	29.37	0
10/9/21 6:00	4.074	117.7	4.022	8.01	29.37	0
10/9/21 6:15	5.461	123.4	6.753	8.07	29.37	0
10/9/21 6:30	5.788	130.2	10.15	8.44	29.38	0
10/9/21 6:45	3.914	177	21.44	8.17	29.38	0
10/9/21 7:00	4.065	182.8	19.01	8.08	29.38	0
10/9/21 7:15	4.809	162.2	8.76	8.18	29.38	0
10/9/21 7:30	4.126	153.4	7.601	8.45	29.38	0
10/9/21 7:45	3.228	143.6	8.62	8.44	29.38	0
10/9/21 8:00	1.675	122.4	10.43	8.64	29.38	0
10/9/21 8:15	2.585	164.3	27.86	9.31	29.39	0
10/9/21 8:30	3.223	168	12.03	9.19	29.39	0
10/9/21 8:45	3.308	160.7	13.46	9.4	29.39	0
10/9/21 9:00	2.656	123.8	18.19	9.68	29.39	0
10/9/21 9:15	2.266	81.1	10.53	9.66	29.39	0
10/9/21 9:30	3.199	105.1	13.28	10.25	29.39	0
10/9/21 9:45	3.687	123.5	11.43	10.75	29.39	0
10/9/21 10:00	3.188	118.5	18.95	10.94	29.39	0
10/9/21 10:15	4.138	120.7	19.41	11.07	29.39	0
10/9/21 10:30	3.882	119.8	29.03	11.51	29.39	0
10/9/21 10:45	4.826	139.6	20.48	11.62	29.39	0
10/9/21 11:00	4.828	123.5	18.13	11.73	29.39	0
10/9/21 11:15	4.456	122.8	21.01	12.16	29.39	0
10/9/21 11:30	3.824	128.5	15.41	12.13	29.38	0
10/9/21 11:45	4.751	140.8	14.14	12.34	29.38	0
10/9/21 12:00	4.761	129.9	13.75	12.49	29.38	0
10/9/21 12:15	6.203	148	10.75	12.52	29.37	0
10/9/21 12:30	6.119	152.7	13.36	12.57	29.36	0
10/9/21 12:45	8.35	165.1	9.82	12.65	29.36	0
10/9/21 13:00	7.582	166.3	14.84	12.74	29.36	0
10/9/21 13:15	5.909	198.1	23.47	12.72	29.36	0
10/9/21 13:30	5.146	228.1	11.93	12.77	29.36	0
10/9/21 13:45	10.72	207.2	15.55	12.65	29.35	0
10/9/21 14:00	8.06	188.5	12.99	12.74	29.35	0
10/9/21 14:15	8.73	215.4	10.3	12.74	29.35	0
10/9/21 14:30	10.16	200.2	12.39	12.75	29.35	0
10/9/21 14:45	13.53	196	10.75	12.97	29.35	0
10/9/21 15:00	10.07	197.2	11.92	13.05	29.35	0
10/9/21 15:15	8.53	191.5	12.09	13.03	29.35	0
10/9/21 15:30	11.42	194.9	9.69	12.9	29.34	0
10/9/21 15:45	9.12	181.3	11.71	12.81	29.34	0
10/9/21 16:00	8.26	184.5	10	12.68	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
10/9/21 16:15	7.714	170	9.81	12.64	29.33	0
10/9/21 16:30	6.411	153.1	11.52	12.44	29.33	0
10/9/21 16:45	4.707	124.6	7.439	12.19	29.32	0
10/9/21 17:00	5.587	122.8	6.387	11.95	29.32	0
10/9/21 17:15	7.556	125.8	7.201	11.55	29.31	0
10/9/21 17:30	9.11	139.4	8.14	11.45	29.3	0
10/9/21 17:45	7.617	144.4	6.475	11.38	29.3	0
10/9/21 18:00	11.13	170.8	8.83	11.58	29.3	0
10/9/21 18:15	5.966	154	11.6	11.28	29.29	0
10/9/21 18:30	3.795	120.9	10.84	10.94	29.29	0
10/9/21 18:45	5.107	123.5	5.644	10.97	29.28	0
10/9/21 19:00	6.388	130.4	6.499	11.2	29.28	0
10/9/21 19:15	6.392	134.4	5.993	11.4	29.28	0
10/9/21 19:30	5.238	150.4	8.28	11.42	29.28	0
10/9/21 19:45	7.171	158.2	12.73	11.44	29.27	0
10/9/21 20:00	7.483	179.9	10.11	11.71	29.28	0
10/9/21 20:15	7.808	184.4	9.1	11.45	29.28	0
10/9/21 20:30	8.08	192.2	9.68	10.97	29.28	0
10/9/21 20:45	8.29	192	8.78	10.68	29.27	0
10/9/21 21:00	10.69	165.5	10.9	10.33	29.25	0
10/9/21 21:15	9.89	142.1	8.24	9.99	29.24	0
10/9/21 21:30	8.08	146.7	14.09	9.96	29.23	0
10/9/21 21:45	6.121	140.6	17.93	10.04	29.24	0
10/9/21 22:00	4.74	109.6	12.59	9.91	29.23	0
10/9/21 22:15	6.362	99.2	8.15	9.84	29.23	0
10/9/21 22:30	6.128	111.6	10.34	9.95	29.22	0
10/9/21 22:45	6.248	112.4	8.8	10.16	29.21	0
10/9/21 23:00	6.186	115.4	9.79	10.29	29.21	0
10/9/21 23:15	6.549	117.6	8.76	10.21	29.21	0
10/9/21 23:30	7.298	112.6	8.32	10.25	29.2	0
10/9/21 23:45	5.813	118.5	11.34	10.23	29.2	0
10/10/21 0:00	5.809	135.1	9.62	10.3	29.2	0
10/10/21 0:15	5.112	151	13.12	10.3	29.2	0
10/10/21 0:30	3.734	140.7	15.76	10.22	29.2	0
10/10/21 0:45	4.628	120.1	12.82	10.19	29.2	0
10/10/21 1:00	4.313	115.1	10.46	10.2	29.2	0
10/10/21 1:15	5.357	132.3	13.21	10.27	29.2	0
10/10/21 1:30	7.241	157	14.06	10.58	29.2	0
10/10/21 1:45	8.44	177.4	14.34	10.88	29.21	0
10/10/21 2:00	9.22	189.2	11.75	11.04	29.21	0
10/10/21 2:15	9.83	195.6	10.51	11.06	29.22	0
10/10/21 2:30	11.09	195.8	9.65	11	29.22	0
10/10/21 2:45	4.878	207.4	18.15	10.87	29.23	0
10/10/21 3:00	3.049	159	49.05	10.73	29.24	0
10/10/21 3:15	4.57	180	18.36	10.59	29.25	0
10/10/21 3:30	6.803	193.4	16.58	10.53	29.25	0
10/10/21 3:45	8.92	198.3	9.74	10.29	29.26	0
10/10/21 4:00	7.162	183.3	10.41	9.9	29.26	0
10/10/21 4:15	7.401	178.2	11.23	9.7	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
10/10/21 4:30	5.457	155	22.63	9.47	29.27	0
10/10/21 4:45	3.603	125.2	36.57	9.19	29.27	0
10/10/21 5:00	2.428	66.72	15.67	8.83	29.27	0
10/10/21 5:15	2.884	58.74	25.84	8.51	29.28	0
10/10/21 5:30	6.912	28.87	20.22	7.87	29.28	0
10/10/21 5:45	8.88	29.14	9.53	7.136	29.29	0
10/10/21 6:00	3.697	38.04	12.08	7.05	29.29	0
10/10/21 6:15	2.804	84.1	26.46	7.229	29.29	0
10/10/21 6:30	5.49	96.4	10.55	7.189	29.29	0
10/10/21 6:45	6.383	107.9	8.48	7.164	29.3	0
10/10/21 7:00	5.268	111.8	11.5	7.107	29.3	0
10/10/21 7:15	8.64	123.1	8.57	6.915	29.31	0
10/10/21 7:30	8.48	135	7.383	6.744	29.31	0
10/10/21 7:45	6.952	126.3	9.87	6.717	29.31	0
10/10/21 8:00	6.073	115.5	13	6.629	29.32	0
10/10/21 8:15	6.543	134.9	7.927	6.462	29.32	0
10/10/21 8:30	7.067	131.3	6.176	6.505	29.33	0
10/10/21 8:45	7.936	146.2	12.15	6.442	29.33	0
10/10/21 9:00	7.357	119.8	11.91	6.418	29.33	0
10/10/21 9:15	6.713	131.9	9.77	6.484	29.33	0
10/10/21 9:30	5.487	129.2	11.29	6.704	29.34	0
10/10/21 9:45	5.025	134.6	8.94	6.736	29.34	0
10/10/21 10:00	4.808	109.7	22.23	6.906	29.34	0
10/10/21 10:15	4.459	124	26.45	7.173	29.34	0
10/10/21 10:30	4.343	127.8	14.32	7.691	29.34	0
10/10/21 10:45	5.463	121.8	15.19	8.46	29.34	0
10/10/21 11:00	4.639	113.5	17.38	8.96	29.34	0
10/10/21 11:15	3.935	124.1	17.25	9.24	29.34	0
10/10/21 11:30	3.056	85.6	20.74	8.94	29.34	0
10/10/21 11:45	4.1	101.6	12.71	9.12	29.34	0
10/10/21 12:00	4.985	95.3	10.17	9.29	29.33	0
10/10/21 12:15	3.475	86.3	17.46	9.76	29.33	0
10/10/21 12:30	2.194	204.7	43.79	10.49	29.33	0
10/10/21 12:45	5.886	221.9	31.57	11.21	29.32	0
10/10/21 13:00	10.79	235.2	7.611	11.39	29.32	0
10/10/21 13:15	11.26	238.9	10.06	11.72	29.32	0
10/10/21 13:30	10.09	247.7	15.41	11.51	29.32	0
10/10/21 13:45	9.31	348.4	36.44	9.94	29.32	0
10/10/21 14:00	7.596	16.83	11.49	9.45	29.32	0
10/10/21 14:15	10.64	14.92	10.77	8.68	29.31	0
10/10/21 14:30	9.83	10.21	9.5	8.68	29.31	0
10/10/21 14:45	8.05	11.22	12.3	8.6	29.32	0
10/10/21 15:00	6.066	17.57	10.26	8.21	29.32	0
10/10/21 15:15	3.651	20.91	10.64	8.25	29.32	0
10/10/21 15:30	4.136	20.45	9.22	8.66	29.32	0
10/10/21 15:45	2.52	45.89	10.75	9.33	29.32	0
10/10/21 16:00	3.744	108.2	20.19	9.21	29.32	0
10/10/21 16:15	4.16	116.9	11.36	8.95	29.32	0
10/10/21 16:30	4.841	84.6	12.42	8.7	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
10/10/21 16:45	4.262	94.8	11.38	8.49	29.32	0
10/10/21 17:00	6.15	121.5	14.17	8.22	29.32	0
10/10/21 17:15	5.104	134.1	12.7	8.13	29.32	0
10/10/21 17:30	4.984	165	14.89	7.902	29.33	0
10/10/21 17:45	5.881	146	8.74	7.591	29.33	0
10/10/21 18:00	4.619	138	7.511	7.172	29.32	0
10/10/21 18:15	2.627	130.7	8.55	6.988	29.33	0
10/10/21 18:30	5.686	146.7	6.516	6.744	29.33	0
10/10/21 18:45	6.267	120.2	18.18	6.545	29.33	0
10/10/21 19:00	6.554	105	19.41	6.385	29.33	0
10/10/21 19:15	6.642	105.7	13.27	6.333	29.34	0
10/10/21 19:30	7.415	126.6	8.94	6.262	29.33	0
10/10/21 19:45	5.705	116	9.2	6.169	29.34	0
10/10/21 20:00	7.173	128.9	9.18	5.993	29.34	0
10/10/21 20:15	6.221	136.3	8.9	5.827	29.34	0
10/10/21 20:30	6.432	149.7	11.02	5.751	29.35	0
10/10/21 20:45	4.66	165.6	19.63	5.721	29.35	0
10/10/21 21:00	4.207	128.5	30.35	5.513	29.35	0
10/10/21 21:15	5.247	172.7	13.25	5.564	29.35	0
10/10/21 21:30	4.736	195.9	26.35	5.501	29.35	0
10/10/21 21:45	6.17	156.8	15.26	5.194	29.35	0
10/10/21 22:00	4.324	27.24	47.54	5.366	29.35	0
10/10/21 22:15	1.321	39.34	12.12	5.484	29.35	0
10/10/21 22:30	1.776	22.46	33.66	5.839	29.35	0
10/10/21 22:45	1.023	19.48	31.11	5.729	29.35	0
10/10/21 23:00	2.607	335	18.37	5.988	29.35	0
10/10/21 23:15	3.56	343.2	12.16	6.008	29.35	0
10/10/21 23:30	2.011	314.5	16.3	6.024	29.35	0
10/10/21 23:45	3.653	328	15.81	5.826	29.35	0
10/11/21 0:00	1.938	288.1	54.06	5.113	29.35	0
10/11/21 0:15	2.951	317.7	18.41	5.36	29.35	0
10/11/21 0:30	4.438	317.1	13.64	5.729	29.35	0
10/11/21 0:45	6.207	324.2	16.56	5.537	29.36	0
10/11/21 1:00	5.083	331.9	35.71	5.015	29.37	0
10/11/21 1:15	1.947	286	30.99	4.83	29.37	0
10/11/21 1:30	2.681	300.3	22.48	4.953	29.37	0
10/11/21 1:45	3.86	334.1	16.94	4.905	29.37	0
10/11/21 2:00	4.245	296.9	16.81	5.15	29.38	0
10/11/21 2:15	2.942	296.2	15.04	5.414	29.37	0
10/11/21 2:30	0.804	11.73	21.57	5.12	29.37	0
10/11/21 2:45	1.825	305.3	16.77	5.208	29.38	0
10/11/21 3:00	3.207	268.9	11.75	5.276	29.37	0
10/11/21 3:15	3.432	266.1	9.42	4.983	29.37	0
10/11/21 3:30	1.356	352.4	26.49	4.708	29.37	0
10/11/21 3:45	0.328	308	18.95	4.812	29.38	0
10/11/21 4:00	2.823	237.1	12.73	4.27	29.38	0
10/11/21 4:15	3.173	209.4	14.91	4.275	29.39	0
10/11/21 4:30	4.13	188.2	8.73	4.475	29.39	0
10/11/21 4:45	4.498	185.3	12.77	4.496	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
10/11/21 5:00	2.965	128.7	12.21	4.176	29.39	0
10/11/21 5:15	3.345	118.5	5.844	4.194	29.39	0
10/11/21 5:30	3.262	126.4	9.2	4.305	29.4	0
10/11/21 5:45	1.757	123.5	12.48	4.334	29.4	0
10/11/21 6:00	0.91	75.65	5.192	4.331	29.4	0
10/11/21 6:15	0.668	72.72	0.558	4.369	29.41	0
10/11/21 6:30	0.51	76.49	0.606	4.526	29.41	0
10/11/21 6:45	1.482	52.05	7.755	4.292	29.41	0
10/11/21 7:00	1.686	29.02	3.107	4.408	29.41	0
10/11/21 7:15	1.293	31.93	1.667	4.608	29.41	0
10/11/21 7:30	1.567	67.69	27.83	4.954	29.42	0
10/11/21 7:45	2.182	109.4	8.23	5.151	29.42	0
10/11/21 8:00	1.787	139.5	17.09	5.608	29.43	0
10/11/21 8:15	0.946	91.3	37.37	6.097	29.43	0
10/11/21 8:30	2.947	49.08	13.37	5.645	29.43	0
10/11/21 8:45	2.365	68.24	19.66	6.046	29.43	0
10/11/21 9:00	2.658	161.7	46.23	6.959	29.44	0
10/11/21 9:15	3.317	206	14.52	6.498	29.44	0
10/11/21 9:30	2.663	195.6	18.21	6.465	29.44	0
10/11/21 9:45	3.556	231.8	11.21	6.542	29.44	0
10/11/21 10:00	2.943	279.5	28.97	7.006	29.44	0
10/11/21 10:15	3.12	313	15.25	7.214	29.44	0
10/11/21 10:30	2.838	294.3	21.59	7.325	29.44	0
10/11/21 10:45	3.43	276.1	15.21	7.32	29.44	0
10/11/21 11:00	2.483	279.8	21.2	7.836	29.44	0
10/11/21 11:15	3.451	310.2	28.23	8.46	29.44	0
10/11/21 11:30	4.13	17.48	26.13	8.22	29.44	0
10/11/21 11:45	4.635	319.5	32.57	8.12	29.44	0
10/11/21 12:00	6.642	313.9	13.03	8.01	29.44	0
10/11/21 12:15	4.176	313.9	14.09	8.03	29.44	0
10/11/21 12:30	2.42	289.4	24.96	8.35	29.44	0
10/11/21 12:45	2.73	294.7	57.71	8.73	29.44	0
10/11/21 13:00	6.14	345.8	18.12	8.49	29.43	0
10/11/21 13:15	4.602	4.898	32.09	8.49	29.43	0
10/11/21 13:30	5.888	312.8	12.51	8.52	29.43	0
10/11/21 13:45	6.628	295.7	10.45	9.11	29.43	0
10/11/21 14:00	7.225	297.5	11.52	9.16	29.43	0
10/11/21 14:15	5.729	292.4	16.44	9.66	29.43	0
10/11/21 14:30	4.987	282.9	14.47	9.95	29.43	0
10/11/21 14:45	7.18	302.3	12.89	10.09	29.42	0
10/11/21 15:00	6.376	296.1	7.852	9.76	29.43	0
10/11/21 15:15	6.101	291	7.668	9.77	29.43	0
10/11/21 15:30	6.145	298.1	14.89	10.01	29.43	0
10/11/21 15:45	5.315	285.6	15.34	9.93	29.43	0
10/11/21 16:00	4.246	292.5	18.8	10.19	29.43	0
10/11/21 16:15	5.258	295.3	12.12	10.2	29.43	0
10/11/21 16:30	5.195	299.7	12.64	10.14	29.44	0
10/11/21 16:45	6.105	281.2	6.454	9.9	29.44	0
10/11/21 17:00	4.6	290.6	6.3	9.65	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
10/11/21 17:15	5.094	291.3	3.618	9.15	29.44	0
10/11/21 17:30	5.084	298.8	6.73	8.61	29.44	0
10/11/21 17:45	5.644	310.1	3.577	8.17	29.44	0
10/11/21 18:00	4.217	349.1	23.21	7.783	29.45	0
10/11/21 18:15	1.768	36.9	11.63	6.764	29.45	0
10/11/21 18:30	1.69	71.42	7.308	6.616	29.45	0
10/11/21 18:45	2.243	82.8	10.49	6.947	29.45	0
10/11/21 19:00	1.997	65.64	4.969	6.659	29.45	0
10/11/21 19:15	1.356	60.1	13.53	6.839	29.45	0
10/11/21 19:30	1.484	48.45	6.9	6.903	29.45	0
10/11/21 19:45	1.088	52.73	2.215	6.59	29.45	0
10/11/21 20:00	1.324	58.13	1.374	6.016	29.45	0
10/11/21 20:15	2.603	61.62	4.406	5.666	29.44	0
10/11/21 20:30	2.58	100.4	30.12	5.433	29.44	0
10/11/21 20:45	3.294	186.2	6.387	5.803	29.44	0
10/11/21 21:00	3.205	163.5	10.94	5.287	29.44	0
10/11/21 21:15	2.781	133	6.529	5.369	29.44	0
10/11/21 21:30	2.57	113.1	11.28	5.196	29.44	0
10/11/21 21:45	3.246	140.4	8.22	5.279	29.44	0
10/11/21 22:00	2.988	138.7	2.605	4.954	29.44	0
10/11/21 22:15	2.932	139.8	6.391	4.957	29.43	0
10/11/21 22:30	2.745	117.2	6.563	4.87	29.43	0
10/11/21 22:45	2.29	115.8	23.99	4.264	29.43	0
10/11/21 23:00	3.021	116.9	7.29	5.036	29.43	0
10/11/21 23:15	2.088	104.8	2.22	4.563	29.43	0
10/11/21 23:30	2.69	110.3	16.49	4.662	29.43	0
10/11/21 23:45	4.053	159.7	7.939	4.458	29.43	0
10/12/21 0:00	3.907	160.9	9.01	4.191	29.43	0
10/12/21 0:15	4.379	158.7	10.7	3.314	29.43	0
10/12/21 0:30	3.706	148.8	7.622	3.575	29.43	0
10/12/21 0:45	2.517	163.2	9.96	3.156	29.43	0
10/12/21 1:00	4.81	200.3	7.083	2.782	29.43	0
10/12/21 1:15	6.387	190.9	4.834	2.599	29.42	0
10/12/21 1:30	7.442	186.6	7.383	2.538	29.42	0
10/12/21 1:45	6.53	186.5	3.526	2.4	29.42	0
10/12/21 2:00	6.62	182	3.551	2.298	29.42	0
10/12/21 2:15	5.828	181.8	9.11	2.227	29.42	0
10/12/21 2:30	5.509	139.8	11.94	2.216	29.41	0
10/12/21 2:45	4.574	105.1	8.2	2.473	29.41	0
10/12/21 3:00	5.557	112.5	11.99	2.326	29.41	0
10/12/21 3:15	5.177	140.1	5.292	2.605	29.41	0
10/12/21 3:30	4.015	132.2	5.499	2.461	29.4	0
10/12/21 3:45	4.264	131.8	6.721	2.832	29.4	0
10/12/21 4:00	4.16	126.9	4.649	3.226	29.4	0
10/12/21 4:15	3.548	139.6	6.211	2.844	29.4	0
10/12/21 4:30	4.076	130.6	4.801	3.132	29.39	0
10/12/21 4:45	4.732	116.3	7.278	3.077	29.39	0
10/12/21 5:00	4.568	122.8	12.03	2.858	29.38	0
10/12/21 5:15	4.626	146.5	10.63	3.215	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
10/12/21 5:30	5.491	158.9	9.71	2.849	29.38	0
10/12/21 5:45	6.187	168.8	9.76	2.321	29.38	0
10/12/21 6:00	6.85	173.7	3.73	1.88	29.37	0
10/12/21 6:15	5.239	159	8.51	1.872	29.37	0
10/12/21 6:30	4.413	149.3	7.232	2.221	29.37	0
10/12/21 6:45	5.038	156.4	4.841	2.451	29.37	0
10/12/21 7:00	5.576	148.6	9.8	2.803	29.37	0
10/12/21 7:15	5.46	118.8	12.73	3.205	29.36	0
10/12/21 7:30	4.918	111.2	12.3	3.038	29.36	0
10/12/21 7:45	5.006	140.7	8.4	4.11	29.35	0
10/12/21 8:00	4.683	154.1	11.97	4.332	29.35	0
10/12/21 8:15	5.243	152.2	7.432	4.303	29.35	0
10/12/21 8:30	5.485	133.3	9.7	4.673	29.34	0
10/12/21 8:45	5.653	136.4	11.32	5.35	29.34	0
10/12/21 9:00	5.43	147.2	7.405	5.694	29.34	0
10/12/21 9:15	5.003	149.7	8.76	5.824	29.34	0
10/12/21 9:30	4.724	147.8	9.89	6.21	29.33	0
10/12/21 9:45	3.954	163.6	12.66	6.36	29.33	0
10/12/21 10:00	4.059	159.6	20.4	6.432	29.33	0
10/12/21 10:15	4.361	127.9	10.69	7.139	29.31	0
10/12/21 10:30	6.137	147.8	9.11	7.629	29.31	0
10/12/21 10:45	5.612	157.2	16.87	7.943	29.3	0
10/12/21 11:00	5.608	150.2	15.08	8.65	29.29	0
10/12/21 11:15	6.553	158.4	16.24	9.17	29.29	0
10/12/21 11:30	4.904	157.5	24.97	9.21	29.28	0
10/12/21 11:45	4.725	159.5	32.44	9.32	29.27	0
10/12/21 12:00	4.736	143.9	17.17	9.6	29.27	0
10/12/21 12:15	4.016	142.8	16.53	9.83	29.26	0
10/12/21 12:30	4.79	143.7	23.2	10.02	29.25	0
10/12/21 12:45	4.779	184.4	21.33	10.1	29.25	0
10/12/21 13:00	4.51	198.5	27.85	9.98	29.24	0
10/12/21 13:15	4.267	211.3	17.46	9.88	29.23	0
10/12/21 13:30	4.228	178.9	16.12	9.89	29.23	0
10/12/21 13:45	4.895	196.5	8.12	9.9	29.22	0
10/12/21 14:00	5.837	197.4	15.47	9.88	29.22	0
10/12/21 14:15	5.669	224.8	13.51	9.78	29.22	0
10/12/21 14:30	4.528	230.8	15.75	9.73	29.22	0
10/12/21 14:45	4.79	230.6	13.56	9.54	29.21	0
10/12/21 15:00	3.894	195.3	10.93	9.45	29.21	0
10/12/21 15:15	1.839	232.3	67.92	9.44	29.21	0
10/12/21 15:30	3.271	151.9	73.7	9.41	29.2	0
10/12/21 15:45	2.794	140.4	84.8	9.26	29.2	0
10/12/21 16:00	3.405	153.8	81.4	9.28	29.2	0
10/12/21 16:15	0.48	66.19	2.268	9.38	29.19	0
10/12/21 16:30	1.913	237.2	40.56	9.37	29.19	0
10/12/21 16:45	2.755	271.8	20.44	9.15	29.19	0
10/12/21 17:00	5.022	280.8	29.95	8.73	29.19	0
10/12/21 17:15	5.059	275.6	11.44	8.81	29.19	0
10/12/21 17:30	1.498	314.4	14.61	8.4	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
10/12/21 17:45	1.421	303.4	27.38	8.3	29.18	0
10/12/21 18:00	3.464	246.9	49.45	7.818	29.18	0
10/12/21 18:15	3.116	212.1	31.4	7.315	29.18	0
10/12/21 18:30	0.566	237	3.851	7.218	29.17	0
10/12/21 18:45	1.608	80.2	21.71	6.733	29.17	0
10/12/21 19:00	2.694	82.7	12.5	6.134	29.16	0
10/12/21 19:15	2.368	81.8	14.88	6.044	29.16	0
10/12/21 19:30	3.867	75.47	7.566	5.869	29.15	0
10/12/21 19:45	4.328	74.06	6.934	5.756	29.15	0
10/12/21 20:00	4.201	76.07	4.839	5.724	29.14	0
10/12/21 20:15	2.386	66.66	11.74	5.855	29.14	0
10/12/21 20:30	4.345	264.2	51.09	6.009	29.14	0
10/12/21 20:45	6.388	283.2	5.795	5.875	29.15	0
10/12/21 21:00	5.621	286.4	5.618	5.805	29.15	0
10/12/21 21:15	1.837	328.5	29.05	5.756	29.15	0
10/12/21 21:30	0.076	13.01	2.146	5.663	29.15	0
10/12/21 21:45	1.938	31.27	3.441	5.542	29.15	0
10/12/21 22:00	2.846	38.61	6.875	5.456	29.15	0
10/12/21 22:15	3.179	45.04	6.736	5.365	29.15	0
10/12/21 22:30	2.069	37.82	17.86	5.364	29.14	0
10/12/21 22:45	1.709	88.4	31.59	5.398	29.14	0
10/12/21 23:00	3.062	112.8	16.92	5.529	29.14	0
10/12/21 23:15	3.444	106.8	12.42	5.612	29.13	0
10/12/21 23:30	2.656	104.5	23.79	5.623	29.14	0
10/12/21 23:45	3.044	85.3	19.25	5.619	29.14	0
10/13/21 0:00	0.955	349.1	31.25	5.614	29.14	0
10/13/21 0:15	1.594	84.9	30.4	5.743	29.14	0
10/13/21 0:30	1.153	109.5	27.38	5.865	29.15	0
10/13/21 0:45	1.773	141.5	15.06	6.194	29.15	0
10/13/21 1:00	1.077	100	27.48	6.085	29.15	0
10/13/21 1:15	3.452	148	16.2	6.157	29.15	0
10/13/21 1:30	5.446	158.9	17.37	6.085	29.15	0
10/13/21 1:45	5.868	174	11.39	6.196	29.16	0
10/13/21 2:00	3.255	144.7	15.2	6.008	29.16	0
10/13/21 2:15	8.52	165	16.14	6.045	29.16	0
10/13/21 2:30	6.567	168.7	9.44	5.975	29.16	0
10/13/21 2:45	4.467	155.4	10.81	5.844	29.17	0
10/13/21 3:00	4.8	126.8	14.26	5.738	29.17	0
10/13/21 3:15	4.51	141.6	18.14	5.758	29.17	0
10/13/21 3:30	5.892	170.1	8.18	5.763	29.17	0
10/13/21 3:45	6.03	173.9	7.44	5.695	29.18	0
10/13/21 4:00	5.508	175.7	8.2	5.68	29.18	0
10/13/21 4:15	5.118	165.4	10.37	5.661	29.18	0
10/13/21 4:30	4.713	158.1	11.66	5.651	29.19	0
10/13/21 4:45	2.88	109.4	27.42	5.56	29.19	0
10/13/21 5:00	1.103	69.27	3.929	5.53	29.2	0
10/13/21 5:15	1.692	110.7	35.94	5.506	29.2	0
10/13/21 5:30	2.371	121.3	22.55	5.568	29.2	0
10/13/21 5:45	2.272	89.1	18.62	5.492	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
10/13/21 6:00	2.813	94.6	16.49	5.523	29.21	0
10/13/21 6:15	2.261	132	11.57	5.609	29.22	0
10/13/21 6:30	2.916	109.2	7.245	5.608	29.22	0
10/13/21 6:45	3.25	115.4	8.36	5.574	29.22	0
10/13/21 7:00	3.276	124.6	13.16	5.576	29.22	0
10/13/21 7:15	3.285	116.2	7.59	5.66	29.23	0
10/13/21 7:30	2.347	102.9	8.13	5.721	29.23	0
10/13/21 7:45	2.842	107.2	30.55	5.906	29.23	0
10/13/21 8:00	3.104	91.2	16.76	6.526	29.24	0
10/13/21 8:15	4.268	88.6	16.25	6.655	29.24	0
10/13/21 8:30	4.068	111.7	22.33	6.867	29.25	0
10/13/21 8:45	4.974	143.2	10.35	7.051	29.25	0
10/13/21 9:00	4.757	134.4	14.63	7.146	29.25	0
10/13/21 9:15	5.841	149.9	7.981	6.991	29.25	0
10/13/21 9:30	5.601	140.2	10.14	7.052	29.25	0
10/13/21 9:45	5.033	135	12.85	7.1	29.25	0
10/13/21 10:00	4.742	134.7	16.73	7.438	29.26	0
10/13/21 10:15	4.452	186.7	22.3	7.522	29.26	0
10/13/21 10:30	4.368	124.2	22.26	8.55	29.26	0
10/13/21 10:45	4.19	125.9	23.89	8.02	29.25	0
10/13/21 11:00	4.07	86.8	22.22	8.29	29.25	0
10/13/21 11:15	3.615	61.39	23.82	8.37	29.26	0
10/13/21 11:30	1.985	52.39	20.03	8.57	29.26	0
10/13/21 11:45	1.734	7.353	56.02	8.71	29.26	0
10/13/21 12:00	5.648	178.5	29.21	10.13	29.27	0
10/13/21 12:15	6.296	223.9	14.92	9.93	29.27	0
10/13/21 12:30	3.217	207.4	55.36	9.71	29.27	0
10/13/21 12:45	6.496	223.7	17.44	9.71	29.27	0
10/13/21 13:00	3.595	211.7	28.33	10.27	29.26	0
10/13/21 13:15	3.413	211.1	32.27	10.48	29.26	0
10/13/21 13:30	6.186	224.7	13.46	10.6	29.26	0
10/13/21 13:45	5.959	224.5	15.92	10.34	29.26	0
10/13/21 14:00	6.343	219.5	13.87	10.2	29.26	0
10/13/21 14:15	7.925	230.1	12.49	10.23	29.26	0
10/13/21 14:30	5.779	217.7	16.44	10.18	29.27	0
10/13/21 14:45	5.996	220.7	13.17	10.09	29.27	0
10/13/21 15:00	10.03	209.6	7.029	9.87	29.27	0
10/13/21 15:15	7.047	208.8	10.43	9.79	29.27	0
10/13/21 15:30	5.421	191.7	21.31	9.77	29.27	0
10/13/21 15:45	5.946	191.5	19.07	9.7	29.27	0
10/13/21 16:00	6.781	205.9	7.778	9.51	29.27	0
10/13/21 16:15	4.783	202.4	13.5	9.42	29.27	0
10/13/21 16:30	4.157	185.3	10.76	9.39	29.27	0
10/13/21 16:45	3.683	182.6	7.527	9.26	29.27	0
10/13/21 17:00	3.184	191.7	9.39	9.17	29.27	0
10/13/21 17:15	1.91	134.9	34.49	8.93	29.27	0
10/13/21 17:30	1.179	151.6	22.04	8.82	29.27	0
10/13/21 17:45	2.021	160.6	17.52	8.84	29.27	0
10/13/21 18:00	2.184	142.5	7.121	8.65	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
10/13/21 18:15	1.956	106.4	21	8.52	29.27	0
10/13/21 18:30	1.919	72.51	4.625	8.26	29.27	0
10/13/21 18:45	1.661	85.4	17.62	8.25	29.27	0
10/13/21 19:00	2.624	113.3	8.77	8.32	29.27	0
10/13/21 19:15	2.495	153.6	14.74	8.13	29.28	0
10/13/21 19:30	3.938	139.1	9.31	8.08	29.28	0
10/13/21 19:45	5.026	152.6	7.704	7.803	29.28	0
10/13/21 20:00	6.062	137.3	7.2	7.613	29.28	0
10/13/21 20:15	5.412	136.1	6.057	7.494	29.28	0
10/13/21 20:30	4.19	127.9	8.2	7.432	29.29	0
10/13/21 20:45	4.999	132.7	6.715	7.409	29.29	0
10/13/21 21:00	6.184	153.2	12.29	7.504	29.29	0
10/13/21 21:15	5.38	142.8	10.42	7.4	29.29	0
10/13/21 21:30	4.08	114.7	12.1	7.256	29.29	0
10/13/21 21:45	3.373	114.7	8.27	7.136	29.29	0
10/13/21 22:00	3.523	109.7	9.49	7.117	29.29	0
10/13/21 22:15	5.436	116.1	7.699	7.187	29.29	0
10/13/21 22:30	5.797	121.1	6.262	7.173	29.29	0
10/13/21 22:45	5.433	119	8.24	7.173	29.29	0
10/13/21 23:00	4.366	93.4	8.91	6.999	29.29	0
10/13/21 23:15	5.731	105.8	7.864	7.126	29.29	0
10/13/21 23:30	5.272	116.5	8.32	7.244	29.29	0
10/13/21 23:45	5.434	129.5	8.25	7.312	29.29	0
10/14/21 0:00	4.221	132.8	8.23	7.233	29.29	0
10/14/21 0:15	4.827	120.5	6.997	7.314	29.29	0
10/14/21 0:30	5.11	113.9	9.78	7.327	29.29	0
10/14/21 0:45	5.623	111.5	7.021	7.212	29.29	0
10/14/21 1:00	6.033	119.4	7.279	7.295	29.29	0
10/14/21 1:15	6.477	110.2	9.53	7.204	29.29	0
10/14/21 1:30	6.305	103.1	8.82	7.246	29.29	0
10/14/21 1:45	5.861	93.6	10.54	7.361	29.29	0
10/14/21 2:00	5.321	108.6	10.12	7.365	29.28	0
10/14/21 2:15	4.839	138.3	15.93	7.492	29.28	0
10/14/21 2:30	5.244	176.2	15.79	7.015	29.28	0
10/14/21 2:45	5.361	141.3	14.35	7.155	29.28	0
10/14/21 3:00	6.994	133.6	7.531	7.25	29.28	0
10/14/21 3:15	6.784	125.1	8.82	7	29.28	0
10/14/21 3:30	6.162	115.5	8.56	6.802	29.29	0
10/14/21 3:45	4.594	95.2	10.53	6.736	29.28	0
10/14/21 4:00	5.241	98.1	6.285	6.7	29.28	0
10/14/21 4:15	3.631	98.1	10	6.777	29.28	0
10/14/21 4:30	3.024	131.3	16.73	6.838	29.28	0
10/14/21 4:45	4.064	114.5	9.97	6.948	29.29	0
10/14/21 5:00	3.61	113.1	15.83	7.005	29.29	0
10/14/21 5:15	2.868	107.8	18.59	7.043	29.29	0
10/14/21 5:30	4.464	142.4	14.72	7.205	29.29	0
10/14/21 5:45	4.917	135	12.33	7.327	29.3	0
10/14/21 6:00	6.295	118.4	8.3	7.474	29.3	0
10/14/21 6:15	6.528	118.6	7.29	7.557	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
10/14/21 6:30	7.181	114.7	8.07	7.676	29.3	0
10/14/21 6:45	6.75	121.9	8.38	7.787	29.31	0
10/14/21 7:00	6.298	128.1	7.533	7.949	29.31	0
10/14/21 7:15	5.955	129.5	9.61	7.996	29.31	0
10/14/21 7:30	6.586	128	10.02	8.2	29.32	0
10/14/21 7:45	6.518	136.6	11.65	8.4	29.32	0
10/14/21 8:00	6.083	139.2	8.65	8.42	29.33	0
10/14/21 8:15	4.82	126.9	7.487	8.47	29.34	0
10/14/21 8:30	4.848	127	8.55	8.6	29.34	0
10/14/21 8:45	5.128	124.5	9.84	8.83	29.34	0
10/14/21 9:00	5.09	134.6	10.01	9.1	29.35	0
10/14/21 9:15	5.578	134	8.87	9.29	29.35	0
10/14/21 9:30	5.349	125.7	10.63	9.57	29.35	0
10/14/21 9:45	6.604	136.6	10.13	9.84	29.35	0
10/14/21 10:00	6.555	144.4	9.34	10.05	29.35	0
10/14/21 10:15	6.486	133	8.34	10.31	29.35	0
10/14/21 10:30	6.868	146.2	13.93	10.58	29.35	0
10/14/21 10:45	7.939	168.5	10.86	10.93	29.36	0
10/14/21 11:00	8.42	170.2	10.27	11.12	29.36	0
10/14/21 11:15	9.98	172.4	8.5	11.17	29.36	0
10/14/21 11:30	8.24	185.9	12.32	11.39	29.36	0
10/14/21 11:45	9	168.4	7.627	11.65	29.36	0
10/14/21 12:00	7.478	166.7	12.84	11.65	29.36	0
10/14/21 12:15	7.153	172.9	13.88	12.12	29.36	0
10/14/21 12:30	8.71	180.1	11.6	12.68	29.36	0
10/14/21 12:45	8.27	178.9	11.44	12.71	29.35	0
10/14/21 13:00	9.56	194	11.15	12.52	29.35	0
10/14/21 13:15	8.8	191.7	9.82	12.77	29.35	0
10/14/21 13:30	7.326	178.5	13.73	13.2	29.35	0
10/14/21 13:45	7.71	169.2	15.25	13.26	29.35	0
10/14/21 14:00	8.44	166.5	11.83	13.27	29.35	0
10/14/21 14:15	6.772	186.8	14.31	13.89	29.35	0
10/14/21 14:30	8.84	195.8	14.4	14.03	29.35	0
10/14/21 14:45	9.41	198.3	11.24	13.9	29.35	0
10/14/21 15:00	11.41	201.2	8.05	13.05	29.35	0
10/14/21 15:15	11.86	207.4	8.78	11.92	29.36	0
10/14/21 15:30	9.74	210.7	8.26	11.39	29.36	0
10/14/21 15:45	3.935	152.8	30.89	11.5	29.36	0
10/14/21 16:00	2.247	97.1	13.3	11.1	29.36	0
10/14/21 16:15	1.847	85.8	10.93	10.95	29.36	0
10/14/21 16:30	2.613	109	11.54	10.92	29.36	0
10/14/21 16:45	2.731	111	20.08	10.92	29.36	0
10/14/21 17:00	2.197	113	20.18	10.82	29.37	0
10/14/21 17:15	3.976	111.3	8.98	10.8	29.37	0
10/14/21 17:30	3.858	119.3	11.37	10.89	29.37	0
10/14/21 17:45	4.41	171.9	19.03	10.95	29.37	0
10/14/21 18:00	6.192	164.1	13.59	10.74	29.37	0
10/14/21 18:15	5.613	156.1	8.71	10.43	29.37	0
10/14/21 18:30	4.382	143.1	12.96	10.32	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
10/14/21 18:45	3.774	124.8	9.44	10.21	29.38	0
10/14/21 19:00	5.473	128.9	6.185	10.16	29.38	0
10/14/21 19:15	6.231	131.1	9.78	10.13	29.38	0
10/14/21 19:30	7.344	138.1	6.288	10.11	29.38	0
10/14/21 19:45	6.45	135.6	7.869	10.04	29.38	0
10/14/21 20:00	6.573	135.5	10.19	10	29.38	0
10/14/21 20:15	4.749	125.5	7.693	9.92	29.38	0
10/14/21 20:30	5.279	128	6.592	9.92	29.38	0
10/14/21 20:45	6.525	135.8	9.7	10.05	29.38	0
10/14/21 21:00	8.44	143	6.717	10.25	29.38	0
10/14/21 21:15	7.248	146.1	8.17	10.2	29.38	0
10/14/21 21:30	7.217	161	12.46	10.23	29.38	0
10/14/21 21:45	7.279	142.5	10.16	10.16	29.38	0
10/14/21 22:00	6.591	138.3	8.06	9.95	29.38	0
10/14/21 22:15	6.85	144	11.51	9.88	29.38	0
10/14/21 22:30	6.337	126.2	10.54	9.91	29.38	0
10/14/21 22:45	5.036	116.3	10.75	9.86	29.37	0
10/14/21 23:00	6.137	132.8	17.28	9.91	29.37	0
10/14/21 23:15	5.666	138.7	11.77	10.03	29.37	0
10/14/21 23:30	4.486	121.3	7.126	10.01	29.36	0
10/14/21 23:45	5.19	119.3	7.215	10.15	29.36	0
10/15/21 0:00	5.013	127.9	7.726	10.39	29.36	0
10/15/21 0:15	6.181	122	7.413	10.46	29.35	0
10/15/21 0:30	5.229	137.1	6.375	10.22	29.35	0
10/15/21 0:45	5.052	136.6	9.58	10.29	29.35	0
10/15/21 1:00	4.283	131.5	12.59	10.39	29.35	0
10/15/21 1:15	4.944	121.2	7.678	10.53	29.35	0
10/15/21 1:30	5.548	119	8.49	10.76	29.35	0
10/15/21 1:45	4.338	142	15.31	10.74	29.35	0
10/15/21 2:00	4.591	170.8	21.85	10.6	29.35	0
10/15/21 2:15	4.436	187.1	22.78	9.82	29.35	0
10/15/21 2:30	3.916	148.7	17.91	10.34	29.34	0
10/15/21 2:45	1.502	85.5	22.21	10.18	29.33	0
10/15/21 3:00	2.344	184.4	19.24	10.3	29.33	0
10/15/21 3:15	5.933	190	19.47	9.81	29.33	0
10/15/21 3:30	6.316	164.6	10.33	9.71	29.33	0
10/15/21 3:45	5.701	171.6	12.42	9.73	29.34	0
10/15/21 4:00	3.466	123.4	14.62	9.47	29.33	0
10/15/21 4:15	2.671	113.2	14.13	9.4	29.33	0
10/15/21 4:30	4.865	125.1	8.62	9.5	29.34	0
10/15/21 4:45	6.195	120.7	9.55	9.69	29.33	0
10/15/21 5:00	6.879	132.8	9.15	9.84	29.33	0
10/15/21 5:15	7.494	135.2	15.11	9.92	29.33	0
10/15/21 5:30	7.296	122.3	8.78	9.69	29.33	0
10/15/21 5:45	7.924	125.5	8.31	9.71	29.33	0
10/15/21 6:00	7.421	126.4	9.25	9.71	29.33	0
10/15/21 6:15	6.686	113.6	8.01	9.63	29.32	0
10/15/21 6:30	7.123	116.6	7.865	9.62	29.32	0
10/15/21 6:45	7.706	116.5	8.66	9.85	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
10/15/21 7:00	7.723	129.2	13.16	10.11	29.32	0
10/15/21 7:15	7.062	128.4	8.94	10.15	29.33	0
10/15/21 7:30	8.58	120.2	9.2	10.23	29.33	0
10/15/21 7:45	10.11	133.2	10	10.35	29.33	0
10/15/21 8:00	8.71	133.6	11.96	10.31	29.33	0
10/15/21 8:15	8.47	118.2	8.79	10.42	29.33	0
10/15/21 8:30	7.012	117.6	10.72	10.65	29.33	0
10/15/21 8:45	6.236	121.7	9.53	10.75	29.34	0
10/15/21 9:00	6.115	124.9	9.69	10.98	29.34	0
10/15/21 9:15	6.485	122.4	7.664	11.16	29.34	0
10/15/21 9:30	7.65	127.6	8.49	11.31	29.34	0
10/15/21 9:45	7.592	132.3	9.07	11.54	29.34	0
10/15/21 10:00	7.794	129.3	8.64	11.64	29.34	0
10/15/21 10:15	7.116	134.7	9.13	11.89	29.34	0
10/15/21 10:30	5.673	133.1	9.34	11.97	29.34	0
10/15/21 10:45	5.163	128.9	9.35	12.09	29.33	0
10/15/21 11:00	5.379	120.4	7.643	12.12	29.33	0
10/15/21 11:15	4.212	115.7	8.71	12.28	29.33	0
10/15/21 11:30	4.832	120.6	7.71	12.62	29.33	0
10/15/21 11:45	5.869	126.4	10.86	12.91	29.33	0
10/15/21 12:00	6.758	142.6	13.04	13.24	29.33	0
10/15/21 12:15	7.424	167.8	8.4	13.49	29.33	0
10/15/21 12:30	8.33	168	7.648	13.64	29.33	0
10/15/21 12:45	8.33	168	8.91	13.98	29.32	0
10/15/21 13:00	8.43	173.8	8.21	14.27	29.32	0
10/15/21 13:15	8.21	180.7	13.47	14.6	29.32	0
10/15/21 13:30	9.07	185.4	9.58	14.76	29.32	0
10/15/21 13:45	10.05	197.3	9.3	14.79	29.32	0
10/15/21 14:00	10.99	197.5	9.99	14.81	29.31	0
10/15/21 14:15	11.37	183.7	9.6	14.84	29.31	0
10/15/21 14:30	9.86	195.8	10.91	14.82	29.31	0
10/15/21 14:45	6.879	184.9	12.98	14.82	29.31	0
10/15/21 15:00	7.658	202.1	9.7	14.81	29.31	0
10/15/21 15:15	8.29	210	7.698	14.74	29.31	0
10/15/21 15:30	10.09	209.5	11.41	14.6	29.31	0
10/15/21 15:45	4.856	168.4	18.19	14.39	29.3	0
10/15/21 16:00	2.469	131.2	19.74	14.34	29.3	0
10/15/21 16:15	2.687	124.3	19.09	14.15	29.3	0
10/15/21 16:30	3.723	127.1	15.05	13.99	29.3	0
10/15/21 16:45	4.384	150.1	20.4	13.96	29.3	0
10/15/21 17:00	5.402	118.5	13.41	13.77	29.3	0
10/15/21 17:15	4.42	120.6	9.33	13.68	29.29	0
10/15/21 17:30	4.283	112.3	7.969	13.61	29.29	0
10/15/21 17:45	4.844	132.7	11.52	13.62	29.29	0
10/15/21 18:00	5.071	146.7	22.28	13.35	29.29	0
10/15/21 18:15	4.229	156.7	19.28	13	29.29	0
10/15/21 18:30	5.012	145.4	19.43	12.84	29.29	0
10/15/21 18:45	5.932	148.8	24.4	12.68	29.29	0
10/15/21 19:00	5.882	127.8	9.39	12.85	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
10/15/21 19:15	5.121	124.8	10.71	12.83	29.29	0
10/15/21 19:30	4.523	132.9	9.17	12.77	29.29	0
10/15/21 19:45	4.487	130.4	8.01	12.78	29.3	0
10/15/21 20:00	6.222	126.4	8.43	12.76	29.29	0
10/15/21 20:15	6.337	126	7.561	12.84	29.29	0
10/15/21 20:30	7.073	127.9	10.64	12.91	29.29	0
10/15/21 20:45	7.843	124.1	8.76	12.94	29.29	0
10/15/21 21:00	7.259	129.2	8.82	12.91	29.29	0
10/15/21 21:15	7.699	133.9	10.06	12.74	29.29	0
10/15/21 21:30	6.779	136.3	7.577	12.68	29.29	0
10/15/21 21:45	5.668	142.2	9.74	12.72	29.3	0
10/15/21 22:00	5.979	149.8	10.19	12.63	29.3	0
10/15/21 22:15	6.164	130.9	8.11	12.68	29.3	0
10/15/21 22:30	6.103	131.7	7.427	12.67	29.3	0
10/15/21 22:45	6.397	126.2	7.688	12.72	29.29	0
10/15/21 23:00	7.831	122	7.994	12.92	29.29	0
10/15/21 23:15	10.58	127.3	8.21	12.93	29.28	0
10/15/21 23:30	9.39	128.4	8.72	12.86	29.29	0
10/15/21 23:45	7.306	128	9.21	12.62	29.29	0
10/16/21 0:00	7.534	131.4	9.54	12.54	29.29	0
10/16/21 0:15	7.529	130.1	7.873	12.59	29.29	0
10/16/21 0:30	6.494	122.8	8.71	12.38	29.29	0
10/16/21 0:45	6.767	119.2	6.861	12.25	29.29	0
10/16/21 1:00	9.62	126.3	8.69	12.37	29.28	0
10/16/21 1:15	8.1	130.5	8.06	12.39	29.27	0
10/16/21 1:30	5.762	154	21.05	12.52	29.27	0
10/16/21 1:45	5.063	161.2	11.39	12.63	29.27	0
10/16/21 2:00	4.81	164.2	12.45	12.7	29.26	0
10/16/21 2:15	7.828	146.1	12.65	12.71	29.26	0
10/16/21 2:30	8.39	138.6	9.08	12.57	29.25	0
10/16/21 2:45	8.45	135	8.76	12.76	29.25	0
10/16/21 3:00	7.784	135.4	10.88	12.72	29.24	0
10/16/21 3:15	6.903	139.7	10.91	12.78	29.24	0
10/16/21 3:30	6.966	145.8	14.91	12.69	29.24	0
10/16/21 3:45	6.176	155.5	16.1	12.67	29.24	0
10/16/21 4:00	7.028	158.1	12.92	12.59	29.24	0
10/16/21 4:15	7.993	140.4	8.28	12.76	29.23	0
10/16/21 4:30	8.21	134.5	9.63	12.93	29.23	0
10/16/21 4:45	9.02	129.1	9.64	13.01	29.23	0
10/16/21 5:00	9.85	131.4	10.06	13.05	29.23	0
10/16/21 5:15	8.68	135.5	10.96	13.11	29.22	0
10/16/21 5:30	10.29	135	12.43	13.23	29.21	0
10/16/21 5:45	9.44	138.5	13.45	13.35	29.21	0
10/16/21 6:00	9.8	149.3	8.39	13.11	29.21	0
10/16/21 6:15	10.95	134.3	9.61	13.08	29.21	0
10/16/21 6:30	9.99	139.9	10.08	13.19	29.2	0
10/16/21 6:45	11.37	137.7	9.67	13.13	29.19	0
10/16/21 7:00	10.11	134.5	10.79	13.62	29.19	0
10/16/21 7:15	7.802	155.3	14.92	13.43	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
10/16/21 7:30	7.105	141	10.88	13.6	29.19	0
10/16/21 7:45	7.32	145.7	15.62	13.74	29.19	0
10/16/21 8:00	6.154	163.4	30.45	13.48	29.19	0
10/16/21 8:15	5.628	168.7	25.25	13.26	29.19	0
10/16/21 8:30	5.495	166.1	14.52	13.61	29.18	0
10/16/21 8:45	5.735	156.7	14.72	14.28	29.18	0
10/16/21 9:00	4.96	149.9	10.93	14.5	29.18	0
10/16/21 9:15	3.903	125.8	12.85	14.77	29.19	0
10/16/21 9:30	3.234	121	12.2	15.12	29.19	0
10/16/21 9:45	2.299	121.8	10.83	15.46	29.19	0
10/16/21 10:00	2.246	214.7	34.6	15.73	29.19	0
10/16/21 10:15	3.713	198.9	10.44	15.89	29.19	0
10/16/21 10:30	3.308	210.1	33.68	16.05	29.19	0
10/16/21 10:45	5.205	202.9	17.81	16.35	29.18	0
10/16/21 11:00	5.715	189.7	25.01	16.74	29.18	0
10/16/21 11:15	6.318	184.2	17.22	16.99	29.17	0
10/16/21 11:30	6.905	180.3	24.68	16.85	29.17	0
10/16/21 11:45	5.935	197.8	13.81	16.97	29.16	0
10/16/21 12:00	6.035	209	27.2	17.67	29.15	0
10/16/21 12:15	5.474	153.3	24.15	18.03	29.14	0
10/16/21 12:30	7.86	157.4	19.64	18.44	29.13	0
10/16/21 12:45	5.977	199.2	18.58	18.28	29.13	0
10/16/21 13:00	6.133	192.7	17.7	18.52	29.12	0
10/16/21 13:15	5.075	208.5	28.81	18.72	29.11	0
10/16/21 13:30	5.986	247.1	13.85	18.64	29.1	0
10/16/21 13:45	6.896	279	14.84	18.39	29.1	0
10/16/21 14:00	6.744	288.1	15.28	18.38	29.09	0
10/16/21 14:15	7.731	268.8	15.03	18.34	29.09	0
10/16/21 14:30	9.94	275.6	6.838	17.92	29.09	0
10/16/21 14:45	6.093	279.6	12.97	17.98	29.09	0
10/16/21 15:00	5.326	275.2	12.38	18.14	29.08	0
10/16/21 15:15	3.939	270.2	27.75	18.18	29.08	0
10/16/21 15:30	5.217	213.9	18.7	18.08	29.07	0
10/16/21 15:45	8.37	208.5	8.69	17.96	29.07	0
10/16/21 16:00	6.332	214	8.91	17.68	29.06	0
10/16/21 16:15	6.989	210	6.23	17.32	29.06	0
10/16/21 16:30	7.039	223.7	6.985	17.17	29.05	0
10/16/21 16:45	6.996	248.1	24.44	16.76	29.05	0
10/16/21 17:00	5.078	274.5	4.474	15.86	29.05	0
10/16/21 17:15	5.283	264.6	8.44	15.46	29.05	0
10/16/21 17:30	7.744	238.9	10.3	15.61	29.05	0
10/16/21 17:45	7.983	211.6	9.77	15.45	29.05	0
10/16/21 18:00	11.14	207.3	6.862	15.23	29.05	0
10/16/21 18:15	8.58	208.1	6.569	15.05	29.05	0
10/16/21 18:30	5.678	162.9	20.73	14.27	29.05	0
10/16/21 18:45	5.905	145.3	10.69	14.14	29.05	0
10/16/21 19:00	5.503	133.2	7.12	13.93	29.05	0
10/16/21 19:15	5.63	130	5.622	13.64	29.04	0
10/16/21 19:30	6.959	127.9	7.82	13.71	29.04	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/16/21 19:45	7.718	128.1	7.539	13.89	29.04	0
10/16/21 20:00	8.63	129.5	7.785	14.17	29.03	0
10/16/21 20:15	8.53	128.1	8.66	14.37	29.02	0
10/16/21 20:30	8.86	129.4	9.11	14.38	29.02	0
10/16/21 20:45	9.43	130.5	8.41	14.28	29.01	0
10/16/21 21:00	8.32	133.9	8.48	14.25	29.01	0
10/16/21 21:15	8.86	136.5	8.06	14.12	29.01	0
10/16/21 21:30	9.26	135.8	8.63	13.95	29.01	0
10/16/21 21:45	7.072	140.1	9.91	13.74	29.01	0
10/16/21 22:00	7.429	139	8.25	13.65	29	0
10/16/21 22:15	7.044	137.6	9.44	13.33	29	0
10/16/21 22:30	7.793	139.3	8.29	13.3	29	0
10/16/21 22:45	6.696	147.3	12.64	13.18	29	0
10/16/21 23:00	7.249	145.8	9.49	12.88	28.99	0
10/16/21 23:15	8.12	136	8.29	12.87	28.99	0
10/16/21 23:30	8.83	139.2	9.62	13.22	28.98	0
10/16/21 23:45	8.39	146.7	9.57	12.85	28.98	0
10/17/21 0:00	9.57	133.1	8.82	13.05	28.98	0
10/17/21 0:15	8.82	131.4	9	13.26	28.97	0
10/17/21 0:30	8.41	144.9	10.5	12.84	28.97	0
10/17/21 0:45	9.47	132.1	7.617	12.95	28.96	0
10/17/21 1:00	7.849	146.7	10.07	12.71	28.96	0
10/17/21 1:15	7.18	139.4	8.2	12.43	28.96	0
10/17/21 1:30	8.27	139.9	8.71	12.62	28.96	0
10/17/21 1:45	7.515	150	10.17	12.4	28.96	0
10/17/21 2:00	6.505	146.3	14.11	12.29	28.96	0
10/17/21 2:15	6.834	138.7	10.14	12.51	28.95	0
10/17/21 2:30	7.698	135.4	7.748	12.68	28.94	0
10/17/21 2:45	7.94	135.4	8.69	12.82	28.94	0
10/17/21 3:00	8.48	135	8.52	13.01	28.93	0
10/17/21 3:15	9.36	129.1	7.961	13.37	28.92	0
10/17/21 3:30	8.89	129.5	8.88	13.54	28.92	0
10/17/21 3:45	8.19	140.3	11.59	13.58	28.91	0
10/17/21 4:00	7.224	147.5	9.64	13.21	28.91	0
10/17/21 4:15	6.913	157.9	23.24	13.09	28.9	0
10/17/21 4:30	6.582	173.5	12.67	12.7	28.9	0
10/17/21 4:45	6.41	168.6	10.69	11.82	28.9	0
10/17/21 5:00	5.142	154.6	10.23	11.8	28.89	0
10/17/21 5:15	4.92	138.6	10.55	12.21	28.89	0
10/17/21 5:30	5.617	146.7	8.14	12.08	28.89	0
10/17/21 5:45	5.9	145.5	8.3	12.16	28.88	0
10/17/21 6:00	5.479	142.6	13.25	12.2	28.88	0
10/17/21 6:15	4.666	153.5	17.89	12.43	28.88	0
10/17/21 6:30	5.321	210.9	12.02	11.15	28.88	0
10/17/21 6:45	5.46	247.7	18.86	10.56	28.88	0
10/17/21 7:00	6.547	278.9	5.087	10.37	28.88	0
10/17/21 7:15	4.477	288.2	1.82	10.41	28.88	0
10/17/21 7:30	3.241	310	8.99	10.42	28.87	0
10/17/21 7:45	1.382	301.1	22.65	10.66	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
10/17/21 8:00	2.957	208.5	6.719	10.91	28.88	0
10/17/21 8:15	3.344	215.4	5.793	10.81	28.88	0
10/17/21 8:30	1.631	170	28.35	10.84	28.87	0
10/17/21 8:45	1.547	100.7	20.59	10.92	28.87	0
10/17/21 9:00	0.975	73.57	7.936	11.17	28.87	0
10/17/21 9:15	2.439	99.1	10.34	11.55	28.86	0
10/17/21 9:30	1.117	87.1	8.77	11.83	28.86	0
10/17/21 9:45	1.603	91.2	27.2	12.25	28.86	0
10/17/21 10:00	3.625	198.2	20.62	12.33	28.87	0
10/17/21 10:15	2.501	185.7	39.52	12.31	28.86	0
10/17/21 10:30	1.959	162.5	18.22	12.7	28.86	0
10/17/21 10:45	3.093	214.2	8.29	12.5	28.87	0
10/17/21 11:00	1.967	216.7	13.51	12.62	28.86	0
10/17/21 11:15	2.587	196.1	20.23	12.72	28.86	0
10/17/21 11:30	2.184	196.9	23.73	12.8	28.86	0
10/17/21 11:45	2.563	234.2	23.37	12.8	28.86	0
10/17/21 12:00	3.164	259.9	25.65	12.86	28.86	0
10/17/21 12:15	5.096	250.1	9.87	12.91	28.86	0
10/17/21 12:30	5.803	266	17.81	12.83	28.86	0
10/17/21 12:45	7.583	274.3	7.909	12.56	28.86	0
10/17/21 13:00	7.82	280.1	7.401	12.38	28.86	0
10/17/21 13:15	6.85	272.7	8.83	12.24	28.86	0
10/17/21 13:30	6.569	260.5	13.05	12.27	28.86	0
10/17/21 13:45	6.576	262.7	10.91	12.24	28.86	0
10/17/21 14:00	5.325	274.9	11.44	12.23	28.86	0
10/17/21 14:15	3.862	295.7	11.5	12.25	28.87	0
10/17/21 14:30	5.47	298	9.53	12.28	28.87	0
10/17/21 14:45	5.291	280.9	15.73	12.23	28.87	0
10/17/21 15:00	5.82	284.6	7.031	12.04	28.87	0
10/17/21 15:15	4.047	291.5	11.24	12.15	28.88	0
10/17/21 15:30	3.524	306	15.67	12.21	28.88	0
10/17/21 15:45	3.205	329.5	7.882	12.22	28.88	0
10/17/21 16:00	2.738	330.3	7.346	12.19	28.88	0
10/17/21 16:15	1.667	355.7	16.53	12.24	28.88	0
10/17/21 16:30	2.543	337.1	19.9	12.22	28.89	0
10/17/21 16:45	2.621	24.64	11.09	11.62	28.89	0
10/17/21 17:00	5.046	29.84	9.99	11.1	28.89	0
10/17/21 17:15	5.302	35.69	11.48	10.91	28.9	0
10/17/21 17:30	4.483	40.77	11.74	10.79	28.9	0
10/17/21 17:45	5.837	22.08	16.8	10.74	28.91	0
10/17/21 18:00	4.488	21.7	13.14	10.68	28.92	0
10/17/21 18:15	5.134	22.1	10.4	10.48	28.92	0
10/17/21 18:30	6.561	23.6	8.94	10.26	28.93	0
10/17/21 18:45	6.6	21.17	8.77	10.14	28.94	0
10/17/21 19:00	8.35	12.46	13.12	9.84	28.94	0
10/17/21 19:15	9.16	349.3	14.22	9.43	28.95	0
10/17/21 19:30	10.18	5.157	15.52	9.09	28.95	0
10/17/21 19:45	10.31	16.2	13.75	8.69	28.95	0
10/17/21 20:00	10.43	7.455	17.27	8.53	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
10/17/21 20:15	9.37	10.53	14.8	8.41	28.97	0
10/17/21 20:30	10.29	14.12	14.67	8.29	28.96	0
10/17/21 20:45	11.49	18.61	12.11	8.13	28.96	0
10/17/21 21:00	8.58	17.37	16.06	8.12	28.97	0
10/17/21 21:15	8.68	20.6	13.98	8.27	28.97	0
10/17/21 21:30	9.31	8.25	14.46	8.37	28.98	0
10/17/21 21:45	9.13	10.7	14.63	8.36	28.99	0
10/17/21 22:00	10.11	15.17	15.14	8.34	28.99	0
10/17/21 22:15	10.99	18.08	11.75	8.14	28.99	0
10/17/21 22:30	6.778	12.31	8.51	8.23	29	0
10/17/21 22:45	7.872	21.69	8.84	8.3	29.01	0
10/17/21 23:00	10.6	21.26	10.08	8.19	29.01	0
10/17/21 23:15	8.44	17.68	10.95	8.01	29.01	0
10/17/21 23:30	9.67	20.74	14.26	7.99	29.02	0
10/17/21 23:45	8.65	22.53	13.52	7.975	29.01	0
10/18/21 0:00	8.16	31.56	14.19	8.05	29.02	0
10/18/21 0:15	6.601	3.249	20.87	8.3	29.02	0
10/18/21 0:30	6.024	6.311	16.08	8.49	29.02	0
10/18/21 0:45	6.737	7.236	13.22	8.54	29.02	0
10/18/21 1:00	7.802	18.66	8.66	8.58	29.02	0
10/18/21 1:15	7.859	22.3	11.3	8.61	29.02	0
10/18/21 1:30	7.378	21.82	9.47	8.47	29.02	0
10/18/21 1:45	6.765	21.35	11.62	8.48	29.03	0
10/18/21 2:00	6.926	18.22	11.68	8.62	29.03	0
10/18/21 2:15	3.808	13.49	13.92	8.74	29.03	0
10/18/21 2:30	1.096	47.74	41.72	8.61	29.04	0
10/18/21 2:45	1.155	69.81	65.12	8.44	29.04	0
10/18/21 3:00	2.611	338.3	13.48	8.43	29.04	0
10/18/21 3:15	3.133	330.2	4.4	8.45	29.04	0
10/18/21 3:30	3.42	352	10.48	8.41	29.05	0
10/18/21 3:45	3.084	9.43	15.05	8.2	29.05	0
10/18/21 4:00	2.938	33.84	21.68	8.2	29.05	0
10/18/21 4:15	3.085	43.49	7.364	8.07	29.06	0
10/18/21 4:30	4.986	26.4	11.68	8.13	29.06	0
10/18/21 4:45	4.746	5.52	21.53	8.09	29.07	0
10/18/21 5:00	4.553	315.5	20.57	8.09	29.08	0
10/18/21 5:15	2.328	308.6	26.89	8.16	29.08	0
10/18/21 5:30	2.688	1.373	13.34	8.09	29.09	0
10/18/21 5:45	4.711	21.29	6.971	8.13	29.1	0
10/18/21 6:00	4.738	12.47	8.12	8.21	29.11	0
10/18/21 6:15	4.469	337.7	32.4	8.26	29.11	0
10/18/21 6:30	2.412	322.3	6.713	8.28	29.12	0
10/18/21 6:45	3.682	330.1	18.71	8.26	29.13	0
10/18/21 7:00	3.32	15.65	12.06	8.07	29.13	0
10/18/21 7:15	3.412	357.7	14.55	8.21	29.14	0
10/18/21 7:30	5.22	16.45	12.92	8.33	29.14	0
10/18/21 7:45	7.221	24.01	9.58	8.32	29.15	0
10/18/21 8:00	6.648	19.81	9.76	8.33	29.15	0
10/18/21 8:15	5.617	1.852	13.91	8.45	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/18/21 8:30	4.578	2.643	13.32	8.47	29.16	0
10/18/21 8:45	4.595	11.16	12.91	8.52	29.16	0
10/18/21 9:00	4.581	11.79	11.51	8.6	29.16	0
10/18/21 9:15	4.116	7.833	12.71	8.84	29.16	0
10/18/21 9:30	4.02	8.79	16.14	9.07	29.16	0
10/18/21 9:45	4.018	4.828	17.06	9.11	29.16	0
10/18/21 10:00	3.694	27.42	15.67	9.47	29.16	0
10/18/21 10:15	4.226	25.88	12.45	9.57	29.16	0
10/18/21 10:30	4.387	14.94	22.96	9.85	29.16	0
10/18/21 10:45	3.099	15.1	21.82	10.2	29.16	0
10/18/21 11:00	3.396	19.27	19.58	10.49	29.16	0
10/18/21 11:15	3.753	357.7	36.31	10.52	29.16	0
10/18/21 11:30	3.418	308.7	22.29	10.58	29.16	0
10/18/21 11:45	3.254	320.6	22.12	10.66	29.16	0
10/18/21 12:00	3.276	345.7	21.29	10.74	29.16	0
10/18/21 12:15	3.283	319.7	14.72	10.84	29.16	0
10/18/21 12:30	4.845	320.2	11.48	10.85	29.16	0
10/18/21 12:45	4.17	340.5	17.91	10.92	29.16	0
10/18/21 13:00	4.518	340.6	18.97	10.98	29.16	0
10/18/21 13:15	4.615	344.4	19.48	11.09	29.16	0
10/18/21 13:30	5.333	309.2	13.05	11.1	29.17	0
10/18/21 13:45	6.171	309.2	10.32	11.12	29.17	0
10/18/21 14:00	4.507	321.1	18.37	11.17	29.17	0
10/18/21 14:15	4.117	334.1	21.95	11.16	29.17	0
10/18/21 14:30	4.53	342.6	18.62	11.17	29.17	0
10/18/21 14:45	4.038	19.88	29.9	11.51	29.17	0
10/18/21 15:00	4.904	29.75	19.95	11.3	29.17	0
10/18/21 15:15	3.864	18.06	15.67	11.13	29.17	0
10/18/21 15:30	4.495	317.7	27.98	11.15	29.17	0
10/18/21 15:45	5.708	304.1	9.96	11.1	29.17	0
10/18/21 16:00	4.754	322.5	6.887	11.07	29.17	0
10/18/21 16:15	4.062	351.4	18.3	11.02	29.17	0
10/18/21 16:30	2.06	14.67	13.11	10.91	29.17	0
10/18/21 16:45	1.702	0.625	20.4	10.82	29.16	0
10/18/21 17:00	2.089	327.8	16.77	10.78	29.16	0
10/18/21 17:15	2.215	281.8	7.94	10.69	29.17	0
10/18/21 17:30	3.256	275.7	9.87	10.61	29.17	0
10/18/21 17:45	3.567	283	5.228	10.52	29.17	0
10/18/21 18:00	3.258	297.5	4.53	10.42	29.17	0
10/18/21 18:15	2.477	317.5	8.94	10.34	29.17	0
10/18/21 18:30	1.653	9.04	21.79	10.1	29.17	0
10/18/21 18:45	0.499	25.6	0.952	9.91	29.17	0
10/18/21 19:00	0.14	35.42	0.154	9.88	29.17	0
10/18/21 19:15	0.802	36.96	3.722	9.91	29.17	0
10/18/21 19:30	1.62	63.74	12.89	9.6	29.17	0
10/18/21 19:45	1.622	81.4	6.308	9.44	29.17	0
10/18/21 20:00	0.576	95.7	31.46	9.52	29.16	0
10/18/21 20:15	2.759	161.8	9.35	9.71	29.16	0
10/18/21 20:30	1.973	182.6	23.04	9.72	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
10/18/21 20:45	1.319	156	8.28	9.65	29.17	0
10/18/21 21:00	2.143	183.9	15.95	9.66	29.16	0
10/18/21 21:15	1.937	188.5	12.23	9.66	29.16	0
10/18/21 21:30	1.333	144.5	21	9.43	29.16	0
10/18/21 21:45	1.195	119.9	10.05	9.36	29.16	0
10/18/21 22:00	1.026	92.6	0.839	9.38	29.16	0
10/18/21 22:15	0.322	83.6	0.696	9.36	29.16	0
10/18/21 22:30	1.496	121.1	16.77	9.37	29.15	0
10/18/21 22:45	0.72	117.4	0.221	9.23	29.15	0
10/18/21 23:00	2.063	205.7	37.71	9.22	29.15	0
10/18/21 23:15	4.315	226.9	2.039	8.9	29.15	0
10/18/21 23:30	3.788	224.6	1.725	8.7	29.15	0
10/18/21 23:45	1.686	148.2	71.43	8.36	29.16	0
10/19/21 0:00	2.3	82.4	9.03	7.965	29.15	0
10/19/21 0:15	3.382	102.4	7.627	7.972	29.15	0
10/19/21 0:30	2.294	115.7	11.06	8.12	29.15	0
10/19/21 0:45	2.584	163.6	22.68	8.41	29.14	0
10/19/21 1:00	2.784	202.8	4.036	8.58	29.14	0
10/19/21 1:15	2.554	185.7	13.21	8.4	29.14	0
10/19/21 1:30	2.276	148.5	10.06	8.34	29.13	0
10/19/21 1:45	2.039	122.2	7.938	8.18	29.13	0
10/19/21 2:00	1.991	128.7	25.35	8	29.12	0
10/19/21 2:15	3.151	198.3	5.586	8.08	29.12	0
10/19/21 2:30	3.15	185.7	15	7.934	29.12	0
10/19/21 2:45	3.836	209.2	10.99	7.847	29.12	0
10/19/21 3:00	2.647	160.1	16.07	7.6	29.11	0
10/19/21 3:15	1.762	99.4	28.8	7.265	29.1	0
10/19/21 3:30	1.755	84.4	6.93	6.833	29.1	0
10/19/21 3:45	2.64	119.8	15.73	6.996	29.1	0
10/19/21 4:00	3.101	106.9	9.78	7.26	29.09	0
10/19/21 4:15	3.119	90.2	5.588	6.909	29.08	0
10/19/21 4:30	1.453	88.8	2.623	6.97	29.08	0
10/19/21 4:45	0.321	92.2	0.73	7.435	29.08	0
10/19/21 5:00	1.098	34.86	16.62	7.523	29.08	0
10/19/21 5:15	2.66	36.31	10.16	6.597	29.08	0
10/19/21 5:30	3.628	54.11	3.953	6.718	29.07	0
10/19/21 5:45	2.879	51.56	6.629	7.066	29.07	0
10/19/21 6:00	1.795	57.31	21.81	7.25	29.07	0
10/19/21 6:15	1.096	70.21	15.44	7.002	29.07	0
10/19/21 6:30	2.744	103.3	13.94	7.278	29.07	0
10/19/21 6:45	3.352	69.42	9.92	6.854	29.07	0
10/19/21 7:00	2.88	67.53	3.358	6.748	29.07	0
10/19/21 7:15	1.525	57.71	2.489	7.899	29.07	0
10/19/21 7:30	2.269	55.62	4.66	8.34	29.07	0
10/19/21 7:45	1.412	61.4	2.811	8.07	29.07	0
10/19/21 8:00	1.03	64.32	1.867	8.5	29.07	0
10/19/21 8:15	0.502	36.33	46.46	9.13	29.07	0
10/19/21 8:30	1.405	16.92	40.02	8.99	29.07	0
10/19/21 8:45	2.07	12.86	11.45	8.39	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
10/19/21 9:00	0.458	317.4	40.6	8.93	29.06	0
10/19/21 9:15	0.399	57.48	8.26	10.68	29.06	0
10/19/21 9:30	0.952	66.99	11.61	11.08	29.05	0
10/19/21 9:45	0.54	334.1	53.93	12.13	29.04	0
10/19/21 10:00	2.215	39	10.79	12.1	29.04	0
10/19/21 10:15	1.873	25.05	9.81	12	29.04	0
10/19/21 10:30	2.495	29.77	7.29	12.64	29.03	0
10/19/21 10:45	3.117	14.66	16.65	12.66	29.03	0
10/19/21 11:00	3.939	32.52	10.48	13.03	29.02	0
10/19/21 11:15	2.972	347.8	39.94	13.51	29.02	0
10/19/21 11:30	4.964	291.6	23.52	14.02	29.01	0
10/19/21 11:45	6.917	280.1	9.43	13.91	29.01	0
10/19/21 12:00	4.925	269.5	15.33	13.81	29.01	0
10/19/21 12:15	5.706	283.6	11.08	13.69	29	0
10/19/21 12:30	4.261	293.1	25.87	14.16	29	0
10/19/21 12:45	4.488	289.7	41.9	14.32	28.99	0
10/19/21 13:00	4.799	273.7	11.77	14.11	28.99	0
10/19/21 13:15	4.536	286.6	10.71	14.31	28.99	0
10/19/21 13:30	2.991	281.1	28.6	14.55	28.99	0
10/19/21 13:45	4.314	284.3	20.09	14.26	28.99	0
10/19/21 14:00	3.401	282.8	12.04	14.66	28.98	0
10/19/21 14:15	3.145	285.7	23.75	14.99	28.97	0
10/19/21 14:30	3.905	282.8	9.28	14.78	28.96	0
10/19/21 14:45	1.471	296.2	14.54	14.68	28.96	0
10/19/21 15:00	2.321	15.94	11.55	14.44	28.95	0
10/19/21 15:15	1.325	18.24	2.611	14.31	28.94	0
10/19/21 15:30	3.944	29.96	8.48	13.99	28.93	0
10/19/21 15:45	5.363	28.15	7.12	13.67	28.91	0
10/19/21 16:00	6.344	37.67	6.17	13.24	28.9	0
10/19/21 16:15	7.476	33.38	9.34	13.07	28.89	0
10/19/21 16:30	6.944	31.57	9.48	12.99	28.88	0
10/19/21 16:45	3.935	36.63	6.812	12.61	28.88	0
10/19/21 17:00	1.691	6.141	15.99	12.26	28.88	0
10/19/21 17:15	0.074	16.06	5.228	12.39	28.88	0
10/19/21 17:30	2.476	25.27	9.09	12.35	28.88	0
10/19/21 17:45	2.809	26.26	4.85	12.04	28.88	0
10/19/21 18:00	4.508	28.98	6.915	11.36	28.88	0
10/19/21 18:15	4.882	22.19	6.633	11.38	28.87	0
10/19/21 18:30	4.805	13.5	6.827	11.41	28.87	0
10/19/21 18:45	5.845	18.91	6.567	11.43	28.86	0
10/19/21 19:00	5.554	22.69	7.657	11.05	28.86	0
10/19/21 19:15	5.206	21.47	7.12	11.19	28.85	0
10/19/21 19:30	5.579	24.72	7.409	11.12	28.85	0
10/19/21 19:45	5.396	26.16	7.843	11.18	28.84	0
10/19/21 20:00	5.648	17.93	9.85	11.21	28.83	0
10/19/21 20:15	3.111	6.498	14.53	12.01	28.83	0
10/19/21 20:30	4.215	10.43	11.87	12.54	28.83	0
10/19/21 20:45	2.066	37.4	28.25	11.82	28.82	0
10/19/21 21:00	3.843	90.2	27.78	12.4	28.82	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/19/21 21:15	4.341	99.5	24.2	12.8	28.81	0
10/19/21 21:30	4.269	111	26.36	14	28.81	0
10/19/21 21:45	5.277	124.4	29.92	14.35	28.8	0
10/19/21 22:00	10.08	127.7	12.02	15.52	28.79	0
10/19/21 22:15	12.73	134.9	11.27	16.27	28.79	0
10/19/21 22:30	14.67	130.3	12.23	17.07	28.78	0
10/19/21 22:45	14.46	130.3	10.23	17.13	28.78	0
10/19/21 23:00	14.57	133.1	13.11	16.98	28.78	0
10/19/21 23:15	15.74	130	11.36	17.13	28.77	0
10/19/21 23:30	15.34	134.4	10.19	17.31	28.77	0
10/19/21 23:45	15.86	133.7	10.81	17.3	28.77	0
10/20/21 0:00	16.26	135.1	11.61	17.52	28.77	0
10/20/21 0:15	18	129.4	12.14	17.7	28.77	0
10/20/21 0:30	16.85	137.8	11.9	17.73	28.77	0
10/20/21 0:45	18.26	142.2	10.9	17.77	28.77	0
10/20/21 1:00	17.22	146.5	11.3	17.74	28.77	0
10/20/21 1:15	12.74	179.3	22.72	17.21	28.78	0
10/20/21 1:30	10.27	216.4	9.04	15.47	28.79	0
10/20/21 1:45	9.96	220.4	6.912	14.22	28.8	0
10/20/21 2:00	10.38	230.3	5.952	13.3	28.81	0
10/20/21 2:15	4.562	157.5	100.5	12.52	28.82	0
10/20/21 2:30	3.723	177.7	63.95	12.41	28.83	0
10/20/21 2:45	3.808	226.6	33.63	12.58	28.83	0
10/20/21 3:00	6.658	252.5	18.81	12.62	28.83	0
10/20/21 3:15	3.423	200.3	24.08	12.42	28.83	0
10/20/21 3:30	2.763	170.6	21.57	12.06	28.84	0
10/20/21 3:45	4.708	197.4	11.75	11.81	28.84	0
10/20/21 4:00	4.667	189.4	12.75	11.45	28.84	0
10/20/21 4:15	4.581	178.1	7.55	10.86	28.85	0
10/20/21 4:30	4.478	144.9	26.72	10.36	28.85	0
10/20/21 4:45	7.462	72.84	8.55	9.9	28.84	0
10/20/21 5:00	5.171	101.2	17.82	10.46	28.84	0
10/20/21 5:15	5.963	55.57	13.34	10.17	28.84	0
10/20/21 5:30	4.395	61.16	13.76	10.48	28.84	0
10/20/21 5:45	2.866	115.8	58.55	10.93	28.84	0
10/20/21 6:00	2.884	44.52	6.216	10.78	28.85	0
10/20/21 6:15	3.182	22.93	12.53	10.11	28.86	0
10/20/21 6:30	6.26	285.9	41.66	10.13	28.88	0
10/20/21 6:45	6.173	214.2	14.47	9.88	28.89	0
10/20/21 7:00	3.668	66.48	27.47	9.7	28.89	0
10/20/21 7:15	2.574	65.64	13.03	9.65	28.9	0
10/20/21 7:30	3.937	91.2	12.74	9.98	28.91	0
10/20/21 7:45	4.621	126.4	27.42	10.1	28.92	0
10/20/21 8:00	8.85	177.8	16.56	10.7	28.94	0
10/20/21 8:15	9.31	162.3	12.38	10.65	28.95	0
10/20/21 8:30	11.06	174.9	7.894	10.7	28.96	0
10/20/21 8:45	8.76	178.4	8.38	10.52	28.97	0
10/20/21 9:00	9.53	168.8	10.11	10.42	28.98	0
10/20/21 9:15	11.52	173.9	9.11	10.41	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
10/20/21 9:30	11.31	172.2	7.557	10.26	29.01	0
10/20/21 9:45	10.79	167.9	10.01	10.28	29.02	0
10/20/21 10:00	9.38	156.3	7.452	10.49	29.03	0
10/20/21 10:15	9.07	153.3	7.359	10.71	29.04	0
10/20/21 10:30	9.25	147.6	7.284	11.07	29.04	0
10/20/21 10:45	11.06	158.7	14.32	12.31	29.04	0
10/20/21 11:00	11.05	173.6	10.31	12.92	29.05	0
10/20/21 11:15	12	175.7	12.18	13.32	29.06	0
10/20/21 11:30	11.32	175.4	12.42	13.42	29.07	0
10/20/21 11:45	11.19	181.9	12.37	13.75	29.07	0
10/20/21 12:00	19.71	191.5	11.26	13.92	29.08	0
10/20/21 12:15	18.18	188.5	11.83	13.93	29.09	0
10/20/21 12:30	18.5	189.3	12.18	13.6	29.09	0
10/20/21 12:45	17.63	190	9.94	13.65	29.1	0
10/20/21 13:00	15.07	189.5	10.77	13.86	29.1	0
10/20/21 13:15	16.03	199.4	10.84	14.2	29.11	0
10/20/21 13:30	15.72	194.9	11.49	13.85	29.11	0
10/20/21 13:45	14.04	195.6	11.32	13.83	29.12	0
10/20/21 14:00	12.36	207	12.42	13.88	29.12	0
10/20/21 14:15	9.46	187.5	10.86	14.23	29.13	0
10/20/21 14:30	9.53	192.1	14.13	14.32	29.13	0
10/20/21 14:45	9.29	198.4	15.03	14.31	29.14	0
10/20/21 15:00	9.4	197	7.959	14.14	29.14	0
10/20/21 15:15	8.75	211.5	8.32	14.14	29.14	0
10/20/21 15:30	16.6	207.2	13.59	12.36	29.15	0
10/20/21 15:45	7.993	155.1	37.36	9.82	29.16	0
10/20/21 16:00	2.874	87.2	25.68	9.35	29.16	0
10/20/21 16:15	4.167	129	23.76	9.7	29.16	0
10/20/21 16:30	4.064	130.8	9.13	9.92	29.15	0
10/20/21 16:45	4.929	114.4	14.77	9.6	29.15	0
10/20/21 17:00	5.711	127.8	12.09	9.98	29.16	0
10/20/21 17:15	4.978	106.6	6.159	9.9	29.16	0
10/20/21 17:30	5.439	115.1	8.24	10.13	29.16	0
10/20/21 17:45	5.735	118.1	6.206	10.25	29.15	0
10/20/21 18:00	5.097	117.2	5.711	10.51	29.16	0
10/20/21 18:15	2.504	77.7	24.62	10.02	29.16	0
10/20/21 18:30	3.282	33.76	4.645	9.55	29.16	0
10/20/21 18:45	2.834	39.2	12.56	9.84	29.17	0
10/20/21 19:00	2.742	65.62	20.33	10.11	29.16	0
10/20/21 19:15	3.671	107.6	11.18	10.1	29.16	0
10/20/21 19:30	5.576	137.2	9.73	9.79	29.15	0
10/20/21 19:45	6.466	132.8	9.3	10.61	29.15	0
10/20/21 20:00	6.723	137	11.71	10.87	29.17	0
10/20/21 20:15	4.528	141.5	26.83	10.94	29.18	0
10/20/21 20:30	1.872	49.9	10.11	9.47	29.18	0
10/20/21 20:45	2.336	129.9	46.03	10.03	29.18	0
10/20/21 21:00	3.644	140.1	32.21	9.96	29.18	0
10/20/21 21:15	3.305	118.8	10.07	10.39	29.18	0
10/20/21 21:30	3.934	170.9	27.99	10.78	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/20/21 21:45	4.658	149	24.26	10.29	29.17	0
10/20/21 22:00	6.746	90.6	9.51	9	29.16	0
10/20/21 22:15	5.497	90.1	18.79	9.18	29.16	0
10/20/21 22:30	7.239	82	25.41	9.32	29.16	0
10/20/21 22:45	4.58	89.5	53.56	9.57	29.15	0
10/20/21 23:00	3.33	110.4	28.47	9.2	29.15	0
10/20/21 23:15	3.326	119.2	23.06	9.56	29.15	0
10/20/21 23:30	5.455	166	14.11	9.87	29.15	0
10/20/21 23:45	4.516	109.3	18.37	9.47	29.15	0
10/21/21 0:00	5.942	109.2	8.82	9.3	29.14	0
10/21/21 0:15	7.244	104.8	8.57	9.9	29.13	0
10/21/21 0:30	6.412	118	8.51	10.16	29.13	0
10/21/21 0:45	4.666	102.1	25.71	10.02	29.12	0
10/21/21 1:00	5.012	107.2	9.67	9.83	29.11	0
10/21/21 1:15	5.71	114.7	12.29	10.39	29.1	0
10/21/21 1:30	6.29	114.3	9.74	10.27	29.1	0
10/21/21 1:45	6.497	118.2	12.59	10.57	29.1	0
10/21/21 2:00	3.686	149.4	19.59	11.08	29.1	0
10/21/21 2:15	4.266	128.3	12.78	11.65	29.1	0
10/21/21 2:30	7.375	114.9	13.31	11.55	29.09	0
10/21/21 2:45	9.38	119.6	11.84	11.48	29.08	0
10/21/21 3:00	10.15	114.4	12.52	11.89	29.07	0
10/21/21 3:15	8.66	109.8	9.42	12.04	29.06	0
10/21/21 3:30	8.47	112.3	11.65	12.39	29.06	0
10/21/21 3:45	8.73	116.1	12.84	12.47	29.05	0
10/21/21 4:00	9.29	122.1	13.23	12.41	29.05	0
10/21/21 4:15	12.12	119.3	12.63	12.83	29.05	0
10/21/21 4:30	10.69	117.1	14.15	12.99	29.05	0
10/21/21 4:45	12.63	122.9	11.32	13.29	29.06	0
10/21/21 5:00	9.89	111.2	12.55	13.01	29.07	0
10/21/21 5:15	10.26	105.8	13.3	13.04	29.07	0
10/21/21 5:30	10.54	104.5	14.04	13.36	29.06	0
10/21/21 5:45	11.7	119.1	12.03	14.16	29.06	0
10/21/21 6:00	14.68	111.5	12.93	14.5	29.06	0
10/21/21 6:15	13.91	110.1	13.19	14.46	29.05	0
10/21/21 6:30	16.25	109.4	12.61	14.65	29.04	0
10/21/21 6:45	16.22	112.8	14.7	14.82	29.03	0
10/21/21 7:00	17.36	112.9	12.26	15.03	29.04	0
10/21/21 7:15	16.08	110.5	12.25	15.02	29.04	0
10/21/21 7:30	15.24	104.3	12.4	14.97	29.03	0
10/21/21 7:45	16.29	115.5	12.29	15.26	29.04	0
10/21/21 8:00	17.31	119	12.34	15.65	29.04	0
10/21/21 8:15	18.56	119	12.34	15.99	29.04	0
10/21/21 8:30	17.6	118	12.34	16.03	29.03	0
10/21/21 8:45	19.03	115.1	12.73	15.98	29.03	0
10/21/21 9:00	18.59	117.5	12.49	16.22	29.03	0
10/21/21 9:15	17.07	115.8	11.06	16.45	29.02	0
10/21/21 9:30	15.94	112.7	11.35	16.61	29.02	0
10/21/21 9:45	16.76	115.6	13.04	16.72	29.01	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/21/21 10:00	15.53	112	14.77	16.96	29.01	0
10/21/21 10:15	17.2	116.5	12.46	17.1	29.01	0
10/21/21 10:30	19.57	112.5	13.01	17.26	29	0
10/21/21 10:45	20.76	109.1	13.09	17.41	28.99	0
10/21/21 11:00	18.84	109.5	13.17	18.1	28.99	0
10/21/21 11:15	19.27	106.2	11.93	18.47	28.98	0
10/21/21 11:30	15.05	98.8	16.87	19	28.97	0
10/21/21 11:45	16.87	101.5	17.05	19.04	28.96	0
10/21/21 12:00	14.74	108.1	15.37	18.75	28.97	0
10/21/21 12:15	14.37	117.6	12.76	18.95	28.96	0
10/21/21 12:30	14.9	115.3	11.45	19.08	28.96	0
10/21/21 12:45	14.66	111.2	14.4	19.16	28.96	0
10/21/21 13:00	17.54	112.3	12.36	19.27	28.96	0
10/21/21 13:15	18.02	115.4	12.7	19.41	28.95	0
10/21/21 13:30	17.4	114.7	12.05	19.15	28.95	0
10/21/21 13:45	19.56	113.2	12.39	18.98	28.94	0
10/21/21 14:00	19.52	111.4	14.12	18.91	28.93	0
10/21/21 14:15	18.17	106.6	12.37	18.87	28.91	0
10/21/21 14:30	16.43	103.7	14.09	19.04	28.9	0
10/21/21 14:45	14.37	99	13.22	19.02	28.9	0
10/21/21 15:00	16.84	110.9	13.42	18.8	28.88	0
10/21/21 15:15	19.47	107.6	13.41	19.06	28.87	0
10/21/21 15:30	20.88	105.3	12.4	19.2	28.86	0
10/21/21 15:45	20.5	111	13.26	19.11	28.86	0
10/21/21 16:00	21.76	112.2	10.73	18.93	28.86	0
10/21/21 16:15	20.55	108.3	12.72	18.9	28.85	0
10/21/21 16:30	19.46	112.2	11.94	19.02	28.85	0
10/21/21 16:45	19.23	118	14.97	19.06	28.86	0
10/21/21 17:00	18.64	201.7	45.85	17.75	28.89	0
10/21/21 17:15	15.31	236.6	8.6	14.65	28.92	0
10/21/21 17:30	10.08	226	15.06	13.64	28.95	0
10/21/21 17:45	6.088	191.8	14.73	13.38	28.98	0
10/21/21 18:00	6.53	148.4	14.62	12.72	28.99	0
10/21/21 18:15	4.761	161.7	35.16	12.43	28.98	0
10/21/21 18:30	7.423	226.3	18.94	12.29	28.97	0
10/21/21 18:45	5.481	238.5	6.546	12.05	28.98	0
10/21/21 19:00	1.095	201.8	48.06	11.87	28.98	0
10/21/21 19:15	3.578	201.1	23.33	11.91	28.98	0
10/21/21 19:30	4.611	155.2	17.44	11.84	28.99	0
10/21/21 19:45	4.852	156.7	11.57	11.67	29	0
10/21/21 20:00	3.942	129.1	35.84	11.58	29.01	0
10/21/21 20:15	5.871	93.5	7.674	11.51	29.01	0
10/21/21 20:30	7.001	86.9	8.88	11.44	29	0
10/21/21 20:45	7.664	88.5	8.15	11.39	28.99	0
10/21/21 21:00	7.376	90.2	10.23	11.46	28.99	0
10/21/21 21:15	7.65	113.6	9.42	11.82	29	0
10/21/21 21:30	8.69	114.7	8.99	11.98	29	0
10/21/21 21:45	7.698	117.1	10.14	11.98	29.01	0
10/21/21 22:00	9.46	110.9	8.07	11.83	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
10/21/21 22:15	8.72	101.3	9.23	11.72	28.99	0
10/21/21 22:30	8.56	103.4	9.08	11.92	28.98	0
10/21/21 22:45	9.8	111.1	9.5	12.26	28.98	0
10/21/21 23:00	10.63	117.3	10.69	12.35	28.98	0
10/21/21 23:15	10.29	131.3	10.49	12.18	28.98	0
10/21/21 23:30	10.2	137.1	8.48	11.94	28.98	0
10/21/21 23:45	9.06	136.6	10.59	11.79	28.98	0
10/22/21 0:00	7.334	148	8.14	11.69	28.98	0
10/22/21 0:15	4.487	137.9	11	11.36	28.97	0
10/22/21 0:30	2.961	132	11.42	11.26	28.97	0
10/22/21 0:45	3.56	129.6	8.02	11.24	28.98	0
10/22/21 1:00	4.847	123.8	14.09	11.23	28.98	0
10/22/21 1:15	5.146	96.9	17.44	11.1	28.96	0
10/22/21 1:30	5.342	117	12.04	11.07	28.95	0
10/22/21 1:45	4.433	97.1	14.28	11.12	28.95	0
10/22/21 2:00	5.487	117.1	17	11.12	28.95	0
10/22/21 2:15	6.004	125	8.9	11.33	28.96	0
10/22/21 2:30	4.894	112	8.67	11.18	28.96	0
10/22/21 2:45	5.187	107	9.98	11.26	28.95	0
10/22/21 3:00	3.527	112.8	13.07	11.27	28.95	0
10/22/21 3:15	3.467	159	24.82	11.36	28.95	0
10/22/21 3:30	4.006	164.4	19.68	10.91	28.96	0
10/22/21 3:45	4.472	132.7	12.99	10.66	28.96	0
10/22/21 4:00	3.319	108.7	12.46	10.55	28.95	0
10/22/21 4:15	3.856	124.1	7.922	10.85	28.95	0
10/22/21 4:30	3.402	138.9	32.71	11.24	28.95	0
10/22/21 4:45	3.798	160.1	16.87	11.08	28.95	0
10/22/21 5:00	2.909	146.2	13.44	10.98	28.96	0
10/22/21 5:15	2.691	165.9	21.46	11.18	28.96	0
10/22/21 5:30	1.637	95.8	27.96	10.84	28.96	0
10/22/21 5:45	2.33	111.9	29.22	10.91	28.96	0
10/22/21 6:00	2.672	111.5	27.21	10.81	28.96	0
10/22/21 6:15	2.877	139.4	16.4	10.88	28.96	0
10/22/21 6:30	2.463	102.5	10.05	10.64	28.96	0
10/22/21 6:45	2.56	108.5	8.43	10.51	28.96	0
10/22/21 7:00	2.652	113.7	5.931	10.46	28.96	0
10/22/21 7:15	1.229	140.9	16.64	10.74	28.97	0
10/22/21 7:30	1.842	48.61	10.15	10.83	28.97	0
10/22/21 7:45	2.7	24.02	3.837	10.77	28.97	0
10/22/21 8:00	1.944	25.33	8.89	10.79	28.97	0
10/22/21 8:15	2.247	11.05	7.959	10.94	28.97	0
10/22/21 8:30	2.48	2.409	11.59	11.06	28.97	0
10/22/21 8:45	1.987	0.058	11.24	11.3	28.97	0
10/22/21 9:00	0.349	34.95	4.258	11.73	28.96	0
10/22/21 9:15	0.81	34.55	1.369	11.6	28.96	0
10/22/21 9:30	1.349	38.81	4.746	11.81	28.96	0
10/22/21 9:45	3.061	95.1	51.66	12.46	28.96	0
10/22/21 10:00	3.187	193	50.47	12.73	28.96	0
10/22/21 10:15	3.099	153.6	25.66	12.98	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
10/22/21 10:30	3.889	154.9	18.72	13.07	28.96	0
10/22/21 10:45	5.004	176.4	12.33	12.98	28.96	0
10/22/21 11:00	3.857	177.6	11.26	12.88	28.96	0
10/22/21 11:15	6.085	191.9	15.86	12.82	28.96	0
10/22/21 11:30	7.496	211.2	14.15	12.65	28.96	0
10/22/21 11:45	5.323	236.3	15.04	12.6	28.95	0
10/22/21 12:00	6.268	217.8	14.56	12.5	28.94	0
10/22/21 12:15	4.461	212.2	18.43	12.41	28.94	0
10/22/21 12:30	3.123	229.3	19.38	12.44	28.94	0
10/22/21 12:45	2.661	191.7	22.25	12.56	28.93	0
10/22/21 13:00	2.29	196	23.91	12.59	28.93	0
10/22/21 13:15	3.782	208.1	13.66	12.62	28.93	0
10/22/21 13:30	5.435	199.3	13.65	12.55	28.93	0
10/22/21 13:45	8.41	223.8	18.04	12.22	28.93	0
10/22/21 14:00	12.76	212.2	17.66	11.32	28.93	0
10/22/21 14:15	13.73	183.1	10.78	10.71	28.93	0
10/22/21 14:30	12.55	180	8.8	10.55	28.94	0
10/22/21 14:45	11.23	181.4	9.63	10.58	28.94	0
10/22/21 15:00	10.6	179.8	10.02	10.67	28.94	0
10/22/21 15:15	9.83	174.9	9.66	10.69	28.95	0
10/22/21 15:30	9.59	178.8	9.45	10.65	28.95	0
10/22/21 15:45	8.98	187.1	12.07	10.55	28.95	0
10/22/21 16:00	8.27	179.2	10.55	10.27	28.96	0
10/22/21 16:15	7.627	165.9	9.97	9.86	28.96	0
10/22/21 16:30	5.903	128.8	13.72	9.68	28.96	0
10/22/21 16:45	5.325	125.3	6.971	9.54	28.96	0
10/22/21 17:00	4.906	125.2	7.661	9.5	28.96	0
10/22/21 17:15	6.06	124.9	8.75	9.57	28.97	0
10/22/21 17:30	7.146	114	9.67	9.74	28.97	0
10/22/21 17:45	8.16	125	13.06	9.84	28.97	0
10/22/21 18:00	6.369	130.1	8.53	9.76	28.97	0
10/22/21 18:15	7.034	126.6	7.705	9.72	28.97	0
10/22/21 18:30	7.218	131.4	7.82	9.84	28.97	0
10/22/21 18:45	6.828	132.9	7.271	9.78	28.97	0
10/22/21 19:00	5.798	135.6	7.631	9.41	28.97	0
10/22/21 19:15	4.845	123.6	8.25	9.32	28.97	0
10/22/21 19:30	5.53	132.2	7.122	9.3	28.97	0
10/22/21 19:45	5.636	134.9	5.522	9.32	28.98	0
10/22/21 20:00	5.76	136.4	6.45	9.46	28.98	0
10/22/21 20:15	5.619	133.5	8.07	9.34	28.98	0
10/22/21 20:30	5.403	144.4	15.95	9.21	28.98	0
10/22/21 20:45	6.588	140.9	8.77	9.05	28.98	0
10/22/21 21:00	5.06	125.2	7.405	9.1	28.97	0
10/22/21 21:15	4.886	119.8	6.893	9.12	28.97	0
10/22/21 21:30	5.511	125	6.046	9.11	28.97	0
10/22/21 21:45	4.591	132	9.29	8.93	28.97	0
10/22/21 22:00	4.715	119.6	7.36	8.95	28.96	0
10/22/21 22:15	6.188	115.2	7.931	9.09	28.96	0
10/22/21 22:30	6.896	114.9	7.23	9.36	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
10/22/21 22:45	6.103	121.3	6.835	9.52	28.95	0
10/22/21 23:00	6.157	125.8	6.979	9.59	28.95	0
10/22/21 23:15	5.889	126.7	7.138	9.6	28.94	0
10/22/21 23:30	5.102	122.4	6.532	9.55	28.94	0
10/22/21 23:45	6.152	119.4	6.237	9.6	28.94	0
10/23/21 0:00	6.521	126.4	6.569	9.81	28.93	0
10/23/21 0:15	6.601	122	6.895	9.86	28.93	0
10/23/21 0:30	6.896	120.2	6.878	10	28.93	0
10/23/21 0:45	6.621	123.5	9.37	10.14	28.93	0
10/23/21 1:00	5.993	131.6	7.25	10.01	28.92	0
10/23/21 1:15	5.726	124.2	7.844	10.18	28.92	0
10/23/21 1:30	5.397	121.6	7.116	10.24	28.92	0
10/23/21 1:45	5.235	120.9	8.58	10.25	28.91	0
10/23/21 2:00	4.474	104.5	6.219	10.4	28.91	0
10/23/21 2:15	4.44	117.3	10.88	10.46	28.91	0
10/23/21 2:30	3.222	93.1	12.93	10.46	28.9	0
10/23/21 2:45	3.566	138.1	34.61	9.57	28.9	0
10/23/21 3:00	4.02	137.9	37.62	9.12	28.9	0
10/23/21 3:15	5.235	148.1	47.48	8.97	28.9	0
10/23/21 3:30	5.635	137.7	36.34	9.17	28.9	0
10/23/21 3:45	5.644	158.2	29.29	9.07	28.9	0
10/23/21 4:00	5.102	111.1	12.92	9.38	28.89	0
10/23/21 4:15	6.084	135.3	25.14	9.3	28.89	0
10/23/21 4:30	5.861	121	21.98	9.22	28.89	0
10/23/21 4:45	5.334	111.6	14.35	9.12	28.89	0
10/23/21 5:00	6.462	111.7	9.46	9.27	28.89	0
10/23/21 5:15	5.871	127.9	8.73	9.1	28.89	0
10/23/21 5:30	6.53	120	10.75	9.11	28.89	0
10/23/21 5:45	6.248	113.9	9.58	9.03	28.88	0
10/23/21 6:00	8.14	112.4	10.86	8.99	28.88	0
10/23/21 6:15	8.48	98.6	11.46	8.93	28.87	0
10/23/21 6:30	6.842	99.9	12.98	8.87	28.86	0
10/23/21 6:45	5.889	114	9.66	9.03	28.86	0
10/23/21 7:00	4.838	108.4	23.83	8.91	28.86	0
10/23/21 7:15	5.678	83.4	9.45	8.37	28.85	0
10/23/21 7:30	5.805	110.9	11.17	8.65	28.85	0
10/23/21 7:45	7.171	117.6	14.04	8.97	28.84	0
10/23/21 8:00	9.6	111.2	15.13	9.41	28.85	0
10/23/21 8:15	8.47	120.9	12.61	9.59	28.85	0
10/23/21 8:30	8.02	119.4	13.29	9.75	28.85	0
10/23/21 8:45	4.667	139.3	43.2	9.6	28.85	0
10/23/21 9:00	5.116	143	18.56	9.6	28.86	0
10/23/21 9:15	5.425	86.7	12.12	9.6	28.85	0
10/23/21 9:30	5.652	101.4	15.01	9.88	28.85	0
10/23/21 9:45	5.352	144.2	23.44	10.01	28.85	0
10/23/21 10:00	5.252	177.4	20.04	10.07	28.86	0
10/23/21 10:15	3.902	134.5	17.43	9.95	28.86	0
10/23/21 10:30	3.413	54.39	13.69	9.39	28.86	0
10/23/21 10:45	3.219	88.7	30.21	9.25	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
10/23/21 11:00	4.265	178	16.59	9.92	28.86	0
10/23/21 11:15	5.841	126.8	10.2	9.81	28.86	0
10/23/21 11:30	4.033	129.1	13.36	9.68	28.86	0
10/23/21 11:45	4.537	159.5	16.17	9.65	28.86	0
10/23/21 12:00	4.894	111.8	21.17	9.71	28.85	0
10/23/21 12:15	4.172	92.4	18.29	10.1	28.85	0
10/23/21 12:30	7.25	103.8	12.44	10.71	28.84	0
10/23/21 12:45	5.858	100.4	11.26	10.97	28.83	0
10/23/21 13:00	3.847	64.99	16.65	11.04	28.83	0
10/23/21 13:15	2.674	75.8	36.07	11.05	28.83	0
10/23/21 13:30	1.959	60.14	54.15	11.42	28.82	0
10/23/21 13:45	1.89	57.34	27.33	11.71	28.82	0
10/23/21 14:00	3.866	127	26.38	12.25	28.82	0
10/23/21 14:15	4.469	128.3	24.71	12.34	28.83	0
10/23/21 14:30	2.555	96	34.95	12.28	28.83	0
10/23/21 14:45	3.039	81.1	15.52	12.07	28.83	0
10/23/21 15:00	3.774	128.2	16.1	12.39	28.83	0
10/23/21 15:15	4.013	135.8	12.77	12.26	28.83	0
10/23/21 15:30	5.1	116.4	9.16	11.83	28.83	0
10/23/21 15:45	5.141	129.6	9.16	11.6	28.82	0
10/23/21 16:00	4.69	134.4	10.74	11.48	28.82	0
10/23/21 16:15	4.716	137.1	10.14	11.3	28.83	0
10/23/21 16:30	3.736	142	12.89	11.13	28.83	0
10/23/21 16:45	3.439	155.9	16.34	10.9	28.82	0
10/23/21 17:00	4.915	142.8	20.69	10.69	28.82	0
10/23/21 17:15	4.191	113.6	11.88	10.46	28.82	0
10/23/21 17:30	4.681	114	7.395	10.2	28.82	0
10/23/21 17:45	5.196	105	6.741	10.19	28.82	0
10/23/21 18:00	5.339	93.4	9.21	10.22	28.81	0
10/23/21 18:15	3.384	67.88	13.78	10.2	28.81	0
10/23/21 18:30	0.82	23.57	10.21	10.1	28.8	0
10/23/21 18:45	0.635	61.95	0.112	10.08	28.8	0
10/23/21 19:00	0.852	339.9	27.65	10.01	28.79	0
10/23/21 19:15	3.74	306.5	5.859	9.84	28.79	0
10/23/21 19:30	1.412	223.8	83.2	9.58	28.79	0
10/23/21 19:45	0.757	350.5	6.009	9.5	28.78	0
10/23/21 20:00	2.209	2.527	9.81	9.54	28.78	0
10/23/21 20:15	3.305	23.35	11.02	9.35	28.76	0
10/23/21 20:30	2.714	35.77	8.98	9	28.76	0
10/23/21 20:45	2.211	22.17	7.694	9.1	28.75	0
10/23/21 21:00	2.183	39.77	15.57	9.31	28.74	0
10/23/21 21:15	2.613	29.25	16.13	9.21	28.74	0
10/23/21 21:30	3.267	3.355	14.73	9.19	28.73	0
10/23/21 21:45	2.961	16.66	15.29	9.19	28.72	0
10/23/21 22:00	2.821	34.4	12.01	9.19	28.71	0
10/23/21 22:15	3.275	49.86	21.59	9.2	28.71	0
10/23/21 22:30	4.756	125.4	42.04	9.55	28.71	0
10/23/21 22:45	8.79	88.2	38.12	9.66	28.7	0
10/23/21 23:00	4.939	66.03	35.34	9.06	28.68	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/23/21 23:15	6.678	105.4	28.4	9.97	28.67	0
10/23/21 23:30	4.507	120	11.49	10.48	28.67	0
10/23/21 23:45	5.959	127.5	31.23	10.47	28.66	0
10/24/21 0:00	8.72	107.7	20.13	10.06	28.66	0
10/24/21 0:15	10.12	96.4	12.61	10.07	28.64	0
10/24/21 0:30	11.69	98.6	12.39	10.82	28.62	0
10/24/21 0:45	14.31	94.4	11.55	12	28.6	0
10/24/21 1:00	13.82	95.9	13.76	12.41	28.59	0
10/24/21 1:15	12.83	91.5	11.11	12.4	28.57	0
10/24/21 1:30	13.7	93.4	13.06	12.81	28.56	0
10/24/21 1:45	14.11	107.8	12.36	13.09	28.55	0
10/24/21 2:00	16.05	110.6	11.31	13.3	28.53	0
10/24/21 2:15	14.56	101.3	14.25	13.34	28.51	0
10/24/21 2:30	16.77	107.6	13.6	13.6	28.5	0
10/24/21 2:45	16.5	109.5	11.9	13.62	28.5	0
10/24/21 3:00	15.12	114.5	12.28	13.72	28.49	0
10/24/21 3:15	15.21	117.5	11.81	13.77	28.49	0
10/24/21 3:30	14.82	115.9	13.98	13.71	28.48	0
10/24/21 3:45	15.51	103.9	12.59	13.88	28.47	0
10/24/21 4:00	13.18	104.7	12.28	13.85	28.47	0
10/24/21 4:15	12.69	108.1	12.47	13.84	28.45	0
10/24/21 4:30	10.83	89.5	12.27	13.83	28.42	0
10/24/21 4:45	10.64	92.4	13.05	13.77	28.4	0
10/24/21 5:00	11	98.2	15.99	13.87	28.39	0
10/24/21 5:15	10.57	100.4	13.95	13.91	28.38	0
10/24/21 5:30	11.26	113.4	13.9	14.05	28.36	0
10/24/21 5:45	14.48	123.1	12.62	14.06	28.34	0
10/24/21 6:00	13.95	124	14.51	13.86	28.32	0
10/24/21 6:15	14.1	122.8	13.64	13.95	28.3	0
10/24/21 6:30	16.25	130.2	14.93	13.92	28.3	0
10/24/21 6:45	21.98	124.9	13.79	14.04	28.29	0
10/24/21 7:00	21.47	127.9	11.36	14.08	28.28	0
10/24/21 7:15	19.99	133.6	12.58	13.95	28.28	0
10/24/21 7:30	21.49	123.6	14.13	13.33	28.27	0
10/24/21 7:45	15.32	106.3	16.24	13.04	28.25	0
10/24/21 8:00	17.33	114.3	14.91	13.48	28.23	0
10/24/21 8:15	19.4	107.9	16.01	13.89	28.22	0
10/24/21 8:30	22.83	112.3	14.62	14.08	28.22	0
10/24/21 8:45	20.79	107.1	13.65	13.26	28.24	0
10/24/21 9:00	19.49	114.7	13.46	12.74	28.25	0
10/24/21 9:15	20.18	110.5	12.48	12.38	28.25	0
10/24/21 9:30	17.26	105.3	14.49	11.89	28.25	0
10/24/21 9:45	17.69	110.6	14.81	12.42	28.24	0
10/24/21 10:00	17.4	113.2	15.67	12.83	28.24	0
10/24/21 10:15	18.1	112.8	12.66	12.92	28.25	0
10/24/21 10:30	17.99	122.1	10.85	12.6	28.26	0
10/24/21 10:45	19.04	117.4	12.61	12.95	28.25	0
10/24/21 11:00	18.37	118.6	11.83	13.27	28.26	0
10/24/21 11:15	18.11	111.4	12.33	13.21	28.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/24/21 11:30	17.03	108.9	12.36	13.03	28.24	0
10/24/21 11:45	18.42	111.2	12.79	13.57	28.24	0
10/24/21 12:00	16.92	108.1	12.41	14.07	28.22	0
10/24/21 12:15	16.31	111.8	11.72	14.51	28.22	0
10/24/21 12:30	18.78	117.6	12.74	14.95	28.21	0
10/24/21 12:45	18.23	147.8	41.53	14.9	28.24	0
10/24/21 13:00	23.03	225	11.42	11.54	28.27	0
10/24/21 13:15	13.99	227.9	12	10.58	28.27	0
10/24/21 13:30	3.943	181.3	86.4	10.24	28.28	0
10/24/21 13:45	13.57	211.1	55.3	10.16	28.32	0
10/24/21 14:00	28.74	205.9	10.41	9.1	28.35	0
10/24/21 14:15	15.82	174.1	24.41	8.45	28.34	0
10/24/21 14:30	11.68	139.4	11.7	8.38	28.34	0
10/24/21 14:45	10.91	137.4	10.27	8.7	28.34	0
10/24/21 15:00	6.041	124.2	10.16	8.82	28.34	0
10/24/21 15:15	6.172	127.5	7.11	9.1	28.33	0
10/24/21 15:30	6.699	123.2	8.97	9.87	28.33	0
10/24/21 15:45	7.969	119.3	12.3	10.51	28.32	0
10/24/21 16:00	9.26	144.1	16.59	11.45	28.32	0
10/24/21 16:15	8.81	151.1	12.99	11.37	28.32	0
10/24/21 16:30	8.44	150.4	14.91	11.26	28.32	0
10/24/21 16:45	8.02	129.8	7.438	11.3	28.32	0
10/24/21 17:00	6.273	121.4	9.33	11.34	28.32	0
10/24/21 17:15	7.301	136	10.27	11.79	28.32	0
10/24/21 17:30	7.512	157.8	8.24	11.48	28.32	0
10/24/21 17:45	8.85	149.8	6.368	11.23	28.33	0
10/24/21 18:00	8.5	143.6	9.14	11.39	28.34	0
10/24/21 18:15	9.05	153.7	10.06	11.03	28.34	0
10/24/21 18:30	9.15	160.8	8.26	11.29	28.35	0
10/24/21 18:45	10.02	156.2	8.39	11.53	28.35	0
10/24/21 19:00	9.07	161.7	10.67	11.37	28.36	0
10/24/21 19:15	10.24	179.3	11.89	11.39	28.36	0
10/24/21 19:30	9.06	177.9	8.82	11.19	28.36	0
10/24/21 19:45	7.527	152.7	14.17	10.6	28.37	0
10/24/21 20:00	10.72	157.3	6.397	10.77	28.37	0
10/24/21 20:15	11.25	149.7	8.74	10.96	28.37	0
10/24/21 20:30	11.04	144.4	9.53	11.14	28.38	0
10/24/21 20:45	10.35	145.2	7.447	11.07	28.38	0
10/24/21 21:00	12.59	158.6	7.347	11.37	28.39	0
10/24/21 21:15	14.93	167.4	9.67	11.68	28.39	0
10/24/21 21:30	14.6	170.4	9.09	11.78	28.4	0
10/24/21 21:45	11.14	144.4	10.88	11.47	28.41	0
10/24/21 22:00	10.82	143.7	12.19	11.57	28.41	0
10/24/21 22:15	14.31	159.7	10.71	11.77	28.41	0
10/24/21 22:30	14.01	163.4	9.96	11.87	28.41	0
10/24/21 22:45	15.99	172.8	10.26	12.16	28.41	0
10/24/21 23:00	16.95	176.7	9.97	12.32	28.42	0
10/24/21 23:15	14.52	176.3	9.35	12.21	28.42	0
10/24/21 23:30	11.69	160.3	13.64	11.99	28.43	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/24/21 23:45	11.39	151.8	11.63	11.46	28.43	0
10/25/21 0:00	11.99	154.2	10.63	11.32	28.43	0
10/25/21 0:15	13.4	167.6	15.77	11.67	28.43	0
10/25/21 0:30	18.98	190.8	11.48	12.36	28.43	0
10/25/21 0:45	13.12	171.3	17.24	11.93	28.44	0
10/25/21 1:00	10.66	161.2	7.99	11.22	28.45	0
10/25/21 1:15	14.47	162.6	12.1	11.24	28.45	0
10/25/21 1:30	15.23	163.6	12.08	11.42	28.46	0
10/25/21 1:45	13.34	159.6	14.01	11.45	28.46	0
10/25/21 2:00	17.96	173.7	9.78	12.11	28.46	0
10/25/21 2:15	17.47	180.4	10.28	12.3	28.47	0
10/25/21 2:30	12.44	154.5	19.63	11.75	28.47	0
10/25/21 2:45	13.43	159.4	9.63	11.37	28.47	0
10/25/21 3:00	11.74	153	10.13	11.21	28.48	0
10/25/21 3:15	9.79	150.1	9.7	11.2	28.48	0
10/25/21 3:30	11.6	156.5	11.26	11.28	28.49	0
10/25/21 3:45	10.1	150	8.99	11.11	28.49	0
10/25/21 4:00	9.46	141.5	11.01	11.26	28.49	0
10/25/21 4:15	9.31	147.9	8.25	11.16	28.49	0
10/25/21 4:30	11.33	160.6	8.26	11.3	28.49	0
10/25/21 4:45	10.66	149.7	8.94	11.04	28.5	0
10/25/21 5:00	10.88	148.9	8.74	11.01	28.5	0
10/25/21 5:15	11.14	153.1	7.673	10.96	28.51	0
10/25/21 5:30	11.28	153.7	7.635	10.99	28.52	0
10/25/21 5:45	10.62	155.2	11.76	11.14	28.52	0
10/25/21 6:00	10.57	153.6	10.06	11.12	28.51	0
10/25/21 6:15	10.87	146.3	9.77	10.92	28.52	0
10/25/21 6:30	12.08	156.5	8.82	10.92	28.52	0
10/25/21 6:45	11.9	149.6	12.22	11.02	28.53	0
10/25/21 7:00	10.5	148.1	10.07	10.96	28.53	0
10/25/21 7:15	11.04	151.8	11.2	11.11	28.54	0
10/25/21 7:30	11.88	156.4	14.97	11.5	28.54	0
10/25/21 7:45	12.32	147.5	11.05	11.18	28.54	0
10/25/21 8:00	12.77	154.3	9.19	11.32	28.54	0
10/25/21 8:15	11.54	153.9	10.2	11.26	28.55	0
10/25/21 8:30	10.06	145.3	10.04	11.17	28.55	0
10/25/21 8:45	10.85	143.9	10.53	11.08	28.56	0
10/25/21 9:00	11.81	148.4	9.18	11.19	28.56	0
10/25/21 9:15	11.85	139.2	9.75	11.17	28.57	0
10/25/21 9:30	11.25	144.9	9.7	11.25	28.57	0
10/25/21 9:45	10.79	151	8.83	11.53	28.58	0
10/25/21 10:00	11.56	148.1	12.07	11.45	28.58	0
10/25/21 10:15	10.89	143.9	12.03	11.5	28.59	0
10/25/21 10:30	10.73	149	11.46	11.49	28.59	0
10/25/21 10:45	15.4	162.5	14.85	12.17	28.59	0
10/25/21 11:00	18.55	175.7	12.13	13.5	28.58	0
10/25/21 11:15	19.93	170.1	15.01	13.65	28.59	0
10/25/21 11:30	12.08	149.3	17.5	12.88	28.6	0
10/25/21 11:45	13.55	157.4	13.73	12.36	28.6	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/25/21 12:00	24.41	180	9.55	13.38	28.6	0
10/25/21 12:15	22.75	180.1	11.57	14.01	28.61	0
10/25/21 12:30	19.8	191.2	11.42	13.71	28.62	0
10/25/21 12:45	19.79	197.9	9.83	13.39	28.62	0
10/25/21 13:00	18.83	189.4	10.04	13.23	28.63	0
10/25/21 13:15	18.62	193.1	9.77	13	28.63	0
10/25/21 13:30	19.83	190.6	10.51	12.57	28.64	0
10/25/21 13:45	22.19	191.7	9.04	12.28	28.64	0
10/25/21 14:00	21.46	185.3	9.05	12.14	28.65	0
10/25/21 14:15	19.26	189.4	9.52	11.71	28.66	0
10/25/21 14:30	15.14	186.8	10	11.19	28.67	0
10/25/21 14:45	17.94	188.2	10.14	10.95	28.68	0
10/25/21 15:00	15.6	182.9	9.52	10.47	28.69	0
10/25/21 15:15	13.32	179.7	10.63	10.27	28.7	0
10/25/21 15:30	11.97	171.5	8.89	10.13	28.7	0
10/25/21 15:45	14.24	166.9	9.36	10.11	28.71	0
10/25/21 16:00	14.26	168.4	8.63	10.15	28.72	0
10/25/21 16:15	14.08	169	8.19	10.27	28.72	0
10/25/21 16:30	13.77	175.6	9.87	10.26	28.73	0
10/25/21 16:45	13.41	180	9.36	10.02	28.74	0
10/25/21 17:00	13.27	178.5	9.07	9.87	28.75	0
10/25/21 17:15	15.37	178.3	10.22	9.8	28.75	0
10/25/21 17:30	14.1	176.7	8.45	9.8	28.76	0
10/25/21 17:45	12.28	167	9.28	9.54	28.77	0
10/25/21 18:00	12.68	165.5	8.19	9.42	28.77	0
10/25/21 18:15	11.93	169.9	8.54	9.53	28.78	0
10/25/21 18:30	10.06	176.7	9.25	9.47	28.79	0
10/25/21 18:45	7.125	180.7	13.52	9.46	28.79	0
10/25/21 19:00	10.09	199.4	8.43	9.23	28.8	0
10/25/21 19:15	10.81	185.2	10.63	8.95	28.81	0
10/25/21 19:30	11.4	178.8	8.21	8.93	28.81	0
10/25/21 19:45	8.69	167.2	8.86	8.78	28.82	0
10/25/21 20:00	8.87	163.9	9.94	8.79	28.82	0
10/25/21 20:15	7.937	160.1	8.98	8.72	28.83	0
10/25/21 20:30	7.762	154.4	8.71	8.68	28.83	0
10/25/21 20:45	9.57	163.7	11.65	8.96	28.84	0
10/25/21 21:00	10.29	182.5	9.71	8.96	28.84	0
10/25/21 21:15	10.97	179.8	9.54	8.95	28.85	0
10/25/21 21:30	10.06	169.3	9.58	8.93	28.85	0
10/25/21 21:45	11.02	179.1	10.11	8.88	28.86	0
10/25/21 22:00	11.31	187.1	9.38	8.84	28.87	0
10/25/21 22:15	10.27	182.5	10.96	8.77	28.87	0
10/25/21 22:30	8.69	159	7.866	8.62	28.88	0
10/25/21 22:45	9.23	163.2	6.929	8.66	28.88	0
10/25/21 23:00	9.3	156.9	6.114	8.64	28.88	0
10/25/21 23:15	9.61	154.1	7.776	8.66	28.88	0
10/25/21 23:30	9.43	157.7	8.57	8.77	28.89	0
10/25/21 23:45	8.94	172.6	9.32	8.94	28.89	0
10/26/21 0:00	10.44	179.3	7.545	8.97	28.9	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/26/21 0:15	9.3	158.9	11.05	8.69	28.9	0
10/26/21 0:30	5.738	136.5	11.62	8.49	28.89	0
10/26/21 0:45	4.957	131.5	8.64	8.34	28.89	0
10/26/21 1:00	7.632	142.1	9.74	8.31	28.9	0
10/26/21 1:15	7.303	165.3	12	8.53	28.9	0
10/26/21 1:30	6.052	149.9	6.607	8.36	28.9	0
10/26/21 1:45	4.873	145.4	11.57	8.22	28.91	0
10/26/21 2:00	4.722	140.4	8.88	8.13	28.91	0
10/26/21 2:15	5.525	140.7	10.17	8.12	28.91	0
10/26/21 2:30	6.895	140.6	8.42	8.26	28.91	0
10/26/21 2:45	8.17	149.3	9.17	8.31	28.91	0
10/26/21 3:00	9.29	157.4	9.95	8.49	28.91	0
10/26/21 3:15	8.16	145.7	8	8.26	28.91	0
10/26/21 3:30	6.791	138.5	8.07	8.13	28.92	0
10/26/21 3:45	8.23	145.7	9.1	8.2	28.92	0
10/26/21 4:00	8.08	147.2	10.15	8.33	28.92	0
10/26/21 4:15	6.623	149.7	9.9	8.15	28.92	0
10/26/21 4:30	4.386	133.9	15.22	8.08	28.93	0
10/26/21 4:45	3.771	130.6	8.44	7.959	28.93	0
10/26/21 5:00	5.544	138.3	8.86	7.942	28.93	0
10/26/21 5:15	6.883	149.9	9.71	8.04	28.93	0
10/26/21 5:30	5.571	130.5	8.5	7.991	28.93	0
10/26/21 5:45	7.466	130.9	7.201	8.23	28.93	0
10/26/21 6:00	7.76	130.9	8	8.34	28.93	0
10/26/21 6:15	7.972	133.7	9.43	8.38	28.92	0
10/26/21 6:30	7.751	150.8	9.55	8.44	28.92	0
10/26/21 6:45	7.206	162.6	11.52	8.3	28.92	0
10/26/21 7:00	6.621	145.8	10.07	8.29	28.92	0
10/26/21 7:15	5.777	140.2	8.88	8.23	28.92	0
10/26/21 7:30	5.132	128.4	7.001	8.23	28.91	0
10/26/21 7:45	7.679	131.8	6.951	8.41	28.91	0
10/26/21 8:00	7.139	124.5	12.38	8.67	28.91	0
10/26/21 8:15	10.8	127.6	9.55	8.8	28.91	0
10/26/21 8:30	11.53	129.4	10.01	8.93	28.9	0
10/26/21 8:45	11.87	128.5	11.42	9.21	28.9	0
10/26/21 9:00	11.83	129	9.76	9.23	28.89	0
10/26/21 9:15	11.36	124.7	10.49	9.38	28.88	0
10/26/21 9:30	12.15	129.2	9.49	9.79	28.87	0
10/26/21 9:45	12.31	132.7	10.74	10.06	28.87	0
10/26/21 10:00	13.43	127.9	9.5	10.19	28.87	0
10/26/21 10:15	13.37	130.5	9.52	10.36	28.86	0
10/26/21 10:30	13.07	131	9.21	10.47	28.87	0
10/26/21 10:45	12.34	132.4	9.05	10.43	28.87	0
10/26/21 11:00	11.88	131.9	11.74	10.24	28.87	0
10/26/21 11:15	12.79	133.3	10.84	9.86	28.86	0
10/26/21 11:30	13.63	129.4	9.4	9.8	28.86	0
10/26/21 11:45	13.72	131.7	9.62	10.03	28.86	0
10/26/21 12:00	13.1	132	8.94	10.37	28.86	0
10/26/21 12:15	12.72	135.4	9.79	10.82	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
10/26/21 12:30	10.95	132.8	10.13	10.76	28.85	0
10/26/21 12:45	11.45	138.7	12.25	11.04	28.85	0
10/26/21 13:00	9.33	154.5	12.19	11.34	28.86	0
10/26/21 13:15	12.49	182.7	15.31	12.39	28.86	0
10/26/21 13:30	14	203.3	9.06	12.12	28.87	0
10/26/21 13:45	17.1	201.6	8.02	11.65	28.87	0
10/26/21 14:00	15.82	203.4	7.984	10.84	28.89	0
10/26/21 14:15	12.61	185.7	10.64	10.51	28.89	0
10/26/21 14:30	11.85	174.2	10.2	10.48	28.89	0
10/26/21 14:45	16.6	194.2	14.39	10.44	28.9	0
10/26/21 15:00	16.27	206.9	10.46	10.58	28.92	0
10/26/21 15:15	12.94	191	11.45	10.41	28.93	0
10/26/21 15:30	13.28	182.6	10.95	10.32	28.94	0
10/26/21 15:45	14.11	165.7	10.32	10.23	28.94	0
10/26/21 16:00	11.26	160.4	9.57	10.15	28.94	0
10/26/21 16:15	12.26	163.6	8.75	10.17	28.94	0
10/26/21 16:30	17.56	177.1	10.83	10.34	28.94	0
10/26/21 16:45	19.17	190.2	9.66	10.15	28.94	0
10/26/21 17:00	15.25	187.4	10.88	9.72	28.95	0
10/26/21 17:15	15.41	185.6	10.21	9.34	28.94	0
10/26/21 17:30	12.94	195.6	10.35	9.6	28.94	0
10/26/21 17:45	12.52	194.3	9.47	9.68	28.95	0
10/26/21 18:00	14.33	203.7	7.565	9.73	28.96	0
10/26/21 18:15	17.14	202.3	8.86	9.91	28.96	0
10/26/21 18:30	15.56	201.6	8.66	9.9	28.96	0
10/26/21 18:45	14.49	200.3	9.19	9.77	28.96	0
10/26/21 19:00	12.66	201.9	7.348	9.51	28.96	0
10/26/21 19:15	11.42	200.7	9.23	9.23	28.96	0
10/26/21 19:30	11.28	188.2	9.77	9.09	28.97	0
10/26/21 19:45	13.68	190.2	11.17	9.08	28.97	0
10/26/21 20:00	15.98	214.6	8.4	9.24	28.98	0
10/26/21 20:15	11.99	205.3	11.32	9.24	28.99	0
10/26/21 20:30	11.16	197.1	10.25	9.14	28.99	0
10/26/21 20:45	12.09	205.8	11.89	9.15	29	0
10/26/21 21:00	16.25	211.5	9.34	9.2	29.01	0
10/26/21 21:15	18.07	210.2	9.13	9.28	29.01	0
10/26/21 21:30	19.09	226.6	13.39	9.19	29.02	0
10/26/21 21:45	19.9	231	10.39	9.24	29.03	0
10/26/21 22:00	15.61	226.8	8.36	9.05	29.05	0
10/26/21 22:15	13.29	215.8	10.23	9	29.06	0
10/26/21 22:30	10.07	220.2	17.72	9.02	29.07	0
10/26/21 22:45	12.79	219.4	24.06	8.78	29.08	0
10/26/21 23:00	11.66	227.2	12.52	8.58	29.09	0
10/26/21 23:15	12.6	210.3	12.94	8.7	29.1	0
10/26/21 23:30	12.19	197	10.68	8.67	29.11	0
10/26/21 23:45	11.97	189.9	9.43	8.52	29.12	0
10/27/21 0:00	11.35	182.7	9.91	8.48	29.13	0
10/27/21 0:15	11.34	194.6	10.76	8.36	29.14	0
10/27/21 0:30	11.48	189.7	13.42	8.32	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/27/21 0:45	9.25	193.1	14.18	8.08	29.15	0
10/27/21 1:00	7.976	191.1	12.33	7.814	29.16	0
10/27/21 1:15	8.2	172.4	11.74	7.588	29.16	0
10/27/21 1:30	5.273	151	13.65	7.032	29.17	0
10/27/21 1:45	5.277	155.6	16.77	6.995	29.18	0
10/27/21 2:00	5.012	143.1	18.16	7.031	29.19	0
10/27/21 2:15	6.715	160.4	16.34	7.526	29.19	0
10/27/21 2:30	7.478	172.3	13.7	8.02	29.19	0
10/27/21 2:45	10.32	174.9	11.69	8.28	29.2	0
10/27/21 3:00	7.808	161.5	17.49	8.15	29.2	0
10/27/21 3:15	7.561	142.1	11.64	7.796	29.21	0
10/27/21 3:30	7.348	139.9	9.49	7.698	29.22	0
10/27/21 3:45	10.23	161.6	16.02	7.792	29.24	0
10/27/21 4:00	13.93	181.2	9.36	7.908	29.24	0
10/27/21 4:15	12.65	188.4	8.38	7.679	29.25	0
10/27/21 4:30	12.22	181	8.41	7.382	29.26	0
10/27/21 4:45	11.43	181.1	8.95	7.278	29.27	0
10/27/21 5:00	10.55	178.2	10.93	7.406	29.28	0
10/27/21 5:15	9.52	162.1	13.78	7.447	29.29	0
10/27/21 5:30	6.964	148.1	13.56	7.058	29.29	0
10/27/21 5:45	7.068	135.8	9.52	6.894	29.3	0
10/27/21 6:00	8.93	161.5	10.27	6.893	29.31	0
10/27/21 6:15	9.61	156	8.72	6.939	29.32	0
10/27/21 6:30	9.42	152.5	8.45	7.046	29.32	0
10/27/21 6:45	10.21	156.8	8.11	7.307	29.33	0
10/27/21 7:00	10.84	154.4	7.362	7.575	29.34	0
10/27/21 7:15	10.88	170.4	10.93	7.757	29.35	0
10/27/21 7:30	10.26	179.5	8.82	7.754	29.37	0
10/27/21 7:45	10.17	177.9	9.32	8.17	29.37	0
10/27/21 8:00	11.68	174.5	8.98	8.42	29.37	0
10/27/21 8:15	11.73	170	9.12	8.64	29.37	0
10/27/21 8:30	11.33	169.3	8.73	8.84	29.37	0
10/27/21 8:45	10.72	168.6	7.8	9.22	29.38	0
10/27/21 9:00	10.82	178.1	8.82	9.5	29.39	0
10/27/21 9:15	10.92	186.6	11.28	9.64	29.39	0
10/27/21 9:30	11.19	194.1	11.02	9.81	29.4	0
10/27/21 9:45	11.94	188.3	11.58	9.81	29.4	0
10/27/21 10:00	10.58	179.5	11.22	9.93	29.41	0
10/27/21 10:15	10.93	176.7	9.92	10.05	29.41	0
10/27/21 10:30	9.91	178.8	11.31	10.03	29.42	0
10/27/21 10:45	8.79	169.4	12.42	10.16	29.42	0
10/27/21 11:00	8.85	175.1	13.61	10.41	29.42	0
10/27/21 11:15	8.46	176.5	12.2	10.65	29.42	0
10/27/21 11:30	9.96	188.2	12.7	10.92	29.42	0
10/27/21 11:45	10.6	191.9	10.95	10.96	29.42	0
10/27/21 12:00	11.11	201.8	11.19	11.18	29.42	0
10/27/21 12:15	11.35	203.3	11.49	11.12	29.42	0
10/27/21 12:30	11.06	202.9	8.11	11.14	29.42	0
10/27/21 12:45	9.12	197.7	9.9	11.16	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
10/27/21 13:00	11.78	197	10.36	10.99	29.42	0
10/27/21 13:15	10.84	200	9.36	10.83	29.42	0
10/27/21 13:30	10.56	202.2	9.83	11.09	29.42	0
10/27/21 13:45	7.693	199.1	11.63	11.17	29.42	0
10/27/21 14:00	8.68	194.6	10.13	11.23	29.42	0
10/27/21 14:15	8.14	188.9	8.79	11.25	29.42	0
10/27/21 14:30	9.1	185.2	9.63	11.23	29.42	0
10/27/21 14:45	7.803	182.8	10.71	11.23	29.42	0
10/27/21 15:00	8.58	183.7	10.68	11.17	29.43	0
10/27/21 15:15	7.263	164.1	13.8	10.98	29.43	0
10/27/21 15:30	5.393	143.3	7.946	10.71	29.43	0
10/27/21 15:45	6.886	172.9	17.09	10.5	29.43	0
10/27/21 16:00	7.472	189.7	8.67	10.66	29.43	0
10/27/21 16:15	9.62	203.4	7.792	10.22	29.43	0
10/27/21 16:30	8.22	203.4	7.669	9.82	29.43	0
10/27/21 16:45	6.049	192.2	8.16	9.57	29.44	0
10/27/21 17:00	5.106	190.5	8.99	9.29	29.44	0
10/27/21 17:15	5.007	175.7	10.89	9.12	29.44	0
10/27/21 17:30	1.546	137.7	24.46	8.83	29.44	0
10/27/21 17:45	2.431	153.5	10.14	8.7	29.44	0
10/27/21 18:00	2.692	138.5	15.08	8.63	29.44	0
10/27/21 18:15	2.452	129.6	17.04	8.52	29.44	0
10/27/21 18:30	1.58	130.9	4.741	8.52	29.44	0
10/27/21 18:45	2.128	134	4.932	8.44	29.45	0
10/27/21 19:00	1.328	147.4	27.49	8.36	29.45	0
10/27/21 19:15	3.577	131.2	9.03	8.23	29.45	0
10/27/21 19:30	2.916	123.4	9.72	8.13	29.44	0
10/27/21 19:45	3.75	117.3	7.375	8.04	29.44	0
10/27/21 20:00	4.109	129.2	9.21	7.964	29.44	0
10/27/21 20:15	4.202	128.1	9.21	7.898	29.44	0
10/27/21 20:30	4.671	113.1	8.66	7.801	29.43	0
10/27/21 20:45	5.665	111.3	7.334	7.706	29.42	0
10/27/21 21:00	6.152	106.4	6.845	7.738	29.41	0
10/27/21 21:15	4.465	82.6	13.39	7.804	29.4	0
10/27/21 21:30	3.784	50.39	24.17	7.773	29.4	0
10/27/21 21:45	4.383	32.18	20.03	7.751	29.4	0
10/27/21 22:00	4.902	43.4	7.788	7.549	29.39	0
10/27/21 22:15	4.902	51.01	6.406	7.461	29.37	0
10/27/21 22:30	2.734	111	60.55	7.532	29.37	0
10/27/21 22:45	0.784	55.25	46.02	7.652	29.36	0
10/27/21 23:00	0.52	11.62	2.802	7.722	29.36	0
10/27/21 23:15	1.596	15.54	9.27	7.483	29.34	0
10/27/21 23:30	2.826	46.72	32.04	7.484	29.33	0
10/27/21 23:45	8.52	121.9	12.29	7.837	29.32	0
10/28/21 0:00	11.97	131.3	9.84	8.09	29.31	0
10/28/21 0:15	10.59	129.1	10.04	8.09	29.3	0
10/28/21 0:30	9.28	130.5	9.35	7.998	29.29	0
10/28/21 0:45	10.16	127.9	11.85	7.961	29.29	0
10/28/21 1:00	8.59	130.8	13.14	7.955	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/28/21 1:15	4.203	97.3	17.24	7.849	29.27	0
10/28/21 1:30	4.074	74.5	15.07	7.715	29.26	0
10/28/21 1:45	4.585	56.47	7.532	7.462	29.26	0
10/28/21 2:00	4.345	53.4	8.15	7.398	29.24	0
10/28/21 2:15	4.184	96.4	48.5	7.568	29.23	0
10/28/21 2:30	4.491	132.8	13.19	7.899	29.22	0
10/28/21 2:45	4.662	118.6	17.6	7.931	29.21	0
10/28/21 3:00	7.459	139.7	11.98	8.63	29.2	0
10/28/21 3:15	10.65	135.2	8.37	9.69	29.19	0
10/28/21 3:30	10.22	143.5	9.58	10.52	29.18	0
10/28/21 3:45	9.27	143.4	8.79	10.95	29.18	0
10/28/21 4:00	9.34	140.8	9.72	11.52	29.17	0
10/28/21 4:15	10.32	149.4	7.657	12.04	29.17	0
10/28/21 4:30	10.3	146.7	9.22	12.44	29.17	0
10/28/21 4:45	10.47	153.1	9.13	12.54	29.17	0
10/28/21 5:00	10.19	155.4	8.27	12.71	29.17	0
10/28/21 5:15	12.44	158.6	7.806	12.84	29.17	0
10/28/21 5:30	13.33	164.4	8.67	13.18	29.17	0
10/28/21 5:45	13.03	170.9	8.61	13.47	29.17	0
10/28/21 6:00	13.58	174.4	9.92	13.77	29.17	0
10/28/21 6:15	14.68	170.1	10.19	14.18	29.16	0
10/28/21 6:30	12.85	176.7	10.3	14.41	29.17	0
10/28/21 6:45	12.49	186.4	9.57	14.47	29.18	0
10/28/21 7:00	13.79	185.1	10.35	14.25	29.18	0
10/28/21 7:15	13.57	182.3	10.98	14.3	29.18	0
10/28/21 7:30	13.33	180	9.15	14.34	29.18	0
10/28/21 7:45	11.6	186.1	11.76	14.33	29.18	0
10/28/21 8:00	11.65	194	8.22	14.51	29.18	0
10/28/21 8:15	10.68	188.4	12.4	14.64	29.18	0
10/28/21 8:30	11.5	187.5	8.28	14.8	29.17	0
10/28/21 8:45	12.48	193	10.12	14.74	29.17	0
10/28/21 9:00	11.53	209.7	7.525	14.51	29.17	0
10/28/21 9:15	11.87	205.9	7.414	14.27	29.17	0
10/28/21 9:30	9.68	201.4	9.77	14.01	29.18	0
10/28/21 9:45	8.29	192.2	8.25	13.89	29.18	0
10/28/21 10:00	7.851	194.9	9.87	13.92	29.17	0
10/28/21 10:15	5.182	200.4	11.99	14	29.17	0
10/28/21 10:30	5.716	172.6	9.33	14.12	29.17	0
10/28/21 10:45	6.682	180	11.47	14.33	29.17	0
10/28/21 11:00	8.36	185.7	10.24	14.59	29.17	0
10/28/21 11:15	8.22	200.6	8.96	14.85	29.17	0
10/28/21 11:30	8.12	222.4	8.63	14.81	29.17	0
10/28/21 11:45	7.162	236.7	7.225	14.63	29.16	0
10/28/21 12:00	5.084	222.5	18.55	14.56	29.15	0
10/28/21 12:15	6.916	209.2	9.46	14.57	29.15	0
10/28/21 12:30	7.524	204.9	10.13	14.59	29.14	0
10/28/21 12:45	8.21	203.8	9.28	14.6	29.13	0
10/28/21 13:00	9.21	187.8	8.39	14.63	29.13	0
10/28/21 13:15	11.4	179.9	9.1	14.69	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
10/28/21 13:30	12.66	182.7	8.44	14.75	29.11	0
10/28/21 13:45	11.51	185.7	8.87	14.77	29.11	0
10/28/21 14:00	11.26	184.8	9.08	14.8	29.1	0
10/28/21 14:15	11.21	185.7	10.59	14.82	29.1	0
10/28/21 14:30	11.97	198	10.7	14.87	29.09	0
10/28/21 14:45	13.49	201.9	9.18	14.88	29.09	0
10/28/21 15:00	16.15	210.6	8.79	14.88	29.09	0
10/28/21 15:15	13.84	212.3	8.22	14.87	29.09	0
10/28/21 15:30	11.9	209.7	8.05	14.83	29.09	0
10/28/21 15:45	12	237.3	19.01	14.74	29.09	0
10/28/21 16:00	21.05	230.1	10.41	14.52	29.08	0
10/28/21 16:15	18.47	249.7	16.07	14.2	29.08	0
10/28/21 16:30	12.95	249.3	10.4	13.33	29.08	0
10/28/21 16:45	9.48	267.7	22.61	13.1	29.09	0
10/28/21 17:00	8.09	274.5	10.27	12.8	29.09	0
10/28/21 17:15	6.793	271.5	11.99	12.65	29.09	0
10/28/21 17:30	6.473	259.1	9.09	12.6	29.09	0
10/28/21 17:45	5.127	278.8	11.94	12.56	29.1	0
10/28/21 18:00	4.715	26.6	51.67	12.45	29.1	0
10/28/21 18:15	5.971	11.5	25.01	12.07	29.1	0
10/28/21 18:30	9.08	10.14	25.54	11.48	29.1	0
10/28/21 18:45	9.44	7.795	19.56	10.89	29.1	0
10/28/21 19:00	5.006	332	38.6	10.83	29.11	0
10/28/21 19:15	3.496	353.5	73.92	10.87	29.12	0
10/28/21 19:30	3.575	89.1	59.31	10.75	29.12	0
10/28/21 19:45	7.803	21.99	13.56	10.53	29.13	0
10/28/21 20:00	8.93	14.53	11.81	10.3	29.13	0
10/28/21 20:15	10.15	20.02	11.31	10.11	29.14	0
10/28/21 20:30	10.05	18.91	9.92	9.96	29.13	0
10/28/21 20:45	9.42	19.91	14.7	9.84	29.14	0
10/28/21 21:00	7.683	26.72	16.68	9.77	29.14	0
10/28/21 21:15	6.224	27.23	10.5	9.63	29.14	0
10/28/21 21:30	6.962	28.33	6.819	9.7	29.15	0
10/28/21 21:45	5.63	28.11	6.408	9.58	29.15	0
10/28/21 22:00	6.013	23.34	9.12	9.57	29.15	0
10/28/21 22:15	5.824	17.34	10.85	9.65	29.14	0
10/28/21 22:30	4.597	17.28	15.68	9.54	29.14	0
10/28/21 22:45	4.795	352.3	18.95	9.61	29.14	0
10/28/21 23:00	3.51	8.39	26.26	9.64	29.14	0
10/28/21 23:15	2.819	14.03	24.79	9.58	29.14	0
10/28/21 23:30	4.363	346	36.05	9.63	29.14	0
10/28/21 23:45	6.785	355	34.95	9.63	29.14	0
10/29/21 0:00	4.623	27.01	21.77	9.53	29.15	0
10/29/21 0:15	4.47	22.88	14.77	9.32	29.14	0
10/29/21 0:30	3.48	326.9	53.03	9.28	29.14	0
10/29/21 0:45	8.61	316.7	6.734	8.84	29.14	0
10/29/21 1:00	8.45	307.5	8.77	8.48	29.14	0
10/29/21 1:15	8.02	298.6	12.38	8.37	29.14	0
10/29/21 1:30	6.342	312.1	13.28	8.25	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
10/29/21 1:45	2.651	337.1	46.27	8.16	29.14	0
10/29/21 2:00	3.156	306.3	50.76	8.18	29.15	0
10/29/21 2:15	5.549	276.5	26.02	8.25	29.15	0
10/29/21 2:30	5.292	289.8	21.98	8.17	29.16	0
10/29/21 2:45	2.879	284.1	20.4	8.09	29.16	0
10/29/21 3:00	1.313	352.8	59.36	8.06	29.16	0
10/29/21 3:15	1.594	344.6	17.35	7.916	29.16	0
10/29/21 3:30	4.112	351.8	33	7.927	29.16	0
10/29/21 3:45	5.175	352.2	40.22	7.827	29.16	0
10/29/21 4:00	5.449	336.5	48.07	7.811	29.16	0
10/29/21 4:15	3.683	353.2	30.06	7.869	29.17	0
10/29/21 4:30	5.173	337.6	74.72	7.88	29.17	0
10/29/21 4:45	3.062	337.2	75.39	7.89	29.18	0
10/29/21 5:00	2.756	23.49	51.82	7.768	29.18	0
10/29/21 5:15	2.657	16.97	26.57	7.733	29.18	0
10/29/21 5:30	3.535	12.77	31.57	7.745	29.19	0
10/29/21 5:45	4.992	35.42	21.83	7.614	29.19	0
10/29/21 6:00	6.342	51.83	7.364	7.382	29.19	0
10/29/21 6:15	5.564	62.56	16.72	7.261	29.19	0
10/29/21 6:30	3.986	61.53	16.8	7.249	29.2	0
10/29/21 6:45	1.819	36.43	53.2	7.287	29.21	0
10/29/21 7:00	2.71	191.4	3.511	7.356	29.21	0
10/29/21 7:15	2.542	191.8	7.633	7.481	29.22	0
10/29/21 7:30	2.231	172.6	17.68	7.475	29.22	0
10/29/21 7:45	2.643	249.3	33.5	7.555	29.23	0
10/29/21 8:00	1.314	298.7	18.41	7.45	29.24	0
10/29/21 8:15	3.09	349	16.38	7.479	29.25	0
10/29/21 8:30	1.898	309	14.57	7.481	29.25	0
10/29/21 8:45	2.181	331.2	10.42	7.631	29.26	0
10/29/21 9:00	2.685	31.3	14.98	7.684	29.27	0
10/29/21 9:15	1.048	50.97	2.97	7.617	29.27	0
10/29/21 9:30	0.278	354.3	23.37	7.811	29.27	0
10/29/21 9:45	1.79	285.7	20.97	8.02	29.28	0
10/29/21 10:00	1.244	0.075	44.97	8.16	29.28	0
10/29/21 10:15	2.68	23.97	12.2	8.24	29.29	0
10/29/21 10:30	4.441	37.15	8.51	8.06	29.29	0
10/29/21 10:45	4.152	29.7	14.69	8.14	29.3	0
10/29/21 11:00	3.594	16.87	19.22	8.29	29.3	0
10/29/21 11:15	4.448	11.75	21.46	8.41	29.31	0
10/29/21 11:30	5.773	20.95	17.82	8.47	29.31	0
10/29/21 11:45	6.618	40.13	10.34	8.38	29.31	0
10/29/21 12:00	7.347	31.07	11.34	8.38	29.31	0
10/29/21 12:15	6.663	15.39	21.39	8.43	29.31	0
10/29/21 12:30	4.848	314.4	17.03	8.66	29.32	0
10/29/21 12:45	5.654	295.6	31.54	8.82	29.32	0
10/29/21 13:00	5.299	3.778	26.48	8.99	29.32	0
10/29/21 13:15	6.462	3.222	18.64	8.93	29.32	0
10/29/21 13:30	4.378	354.3	23.79	9.02	29.32	0
10/29/21 13:45	4.919	12.66	18.25	9.08	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
10/29/21 14:00	7.196	28.4	14.47	8.99	29.32	0
10/29/21 14:15	7.525	20.66	10.84	8.95	29.32	0
10/29/21 14:30	7.344	36.33	10.31	8.94	29.33	0
10/29/21 14:45	9.95	36.94	12.17	8.8	29.32	0
10/29/21 15:00	9.71	33.33	11.24	8.72	29.33	0
10/29/21 15:15	8.76	43.46	12.87	8.55	29.33	0
10/29/21 15:30	6.767	27.61	14.39	8.45	29.34	0
10/29/21 15:45	5.592	17.47	12.72	8.49	29.34	0
10/29/21 16:00	6.287	22.67	13.29	8.36	29.34	0
10/29/21 16:15	5.601	6.595	13.98	8.29	29.35	0
10/29/21 16:30	4.752	9.18	16	8.21	29.35	0
10/29/21 16:45	5.761	13.61	14.28	7.954	29.35	0
10/29/21 17:00	4.287	26.6	15.3	7.7	29.36	0
10/29/21 17:15	5.886	29.22	11.97	6.946	29.36	0
10/29/21 17:30	10.47	14.94	6.058	7.277	29.36	0
10/29/21 17:45	10.42	19.8	5.708	7.356	29.37	0
10/29/21 18:00	9.63	18.6	4.425	7.062	29.37	0
10/29/21 18:15	8.69	18.09	4.544	6.829	29.38	0
10/29/21 18:30	7.52	25.24	6.036	6.21	29.38	0
10/29/21 18:45	6.034	30.39	6.196	5.751	29.38	0
10/29/21 19:00	3.271	37.99	13.59	5.546	29.38	0
10/29/21 19:15	2.163	93.6	21.21	5.485	29.38	0
10/29/21 19:30	2.527	96.8	28.98	5.766	29.39	0
10/29/21 19:45	2.904	47.24	22.35	5.958	29.39	0
10/29/21 20:00	4.403	10.41	16.93	5.743	29.39	0
10/29/21 20:15	5.235	30.69	19.45	4.853	29.39	0
10/29/21 20:30	6.486	44.11	9.49	4.155	29.39	0
10/29/21 20:45	8.39	39.3	7.651	4.558	29.39	0
10/29/21 21:00	5.264	32.19	8.79	4.083	29.39	0
10/29/21 21:15	5.753	34.91	10.79	3.964	29.39	0
10/29/21 21:30	5.538	41.15	10.45	3.925	29.39	0
10/29/21 21:45	6.855	41.06	7.778	4.045	29.39	0
10/29/21 22:00	7.153	23.29	12.59	4.1	29.39	0
10/29/21 22:15	5.463	13.91	21.72	5.063	29.39	0
10/29/21 22:30	4.232	26.46	18.38	4.495	29.38	0
10/29/21 22:45	2.356	27.26	41.26	3.992	29.39	0
10/29/21 23:00	5.107	9.9	20.08	4.674	29.39	0
10/29/21 23:15	6.727	2.058	15.42	4.595	29.39	0
10/29/21 23:30	6.396	34.43	11.92	3.17	29.39	0
10/29/21 23:45	8.99	28.64	8.14	3.18	29.39	0
10/30/21 0:00	10.64	27.76	5.784	3.107	29.38	0
10/30/21 0:15	8.69	29.89	8.18	2.956	29.38	0
10/30/21 0:30	8.3	35.83	11.72	2.865	29.37	0
10/30/21 0:45	10.56	31.37	10.25	2.873	29.37	0
10/30/21 1:00	10.68	38.53	12.3	2.946	29.36	0
10/30/21 1:15	9.81	39.18	11.72	2.964	29.36	0
10/30/21 1:30	11.82	39.34	11.16	2.767	29.36	0
10/30/21 1:45	12.69	36.78	8.92	2.6	29.35	0
10/30/21 2:00	11.31	35.24	7.825	2.457	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
10/30/21 2:15	10.78	36.56	9.23	2.626	29.34	0
10/30/21 2:30	13.08	34.65	10.31	2.781	29.34	0
10/30/21 2:45	13.66	29.6	9.09	2.824	29.34	0
10/30/21 3:00	12.08	27.94	12.9	2.511	29.34	0
10/30/21 3:15	9.62	21.81	10.39	2.113	29.34	0
10/30/21 3:30	11.72	23.54	9.21	1.846	29.33	0
10/30/21 3:45	11.93	24.69	10.35	1.914	29.33	0
10/30/21 4:00	10.83	27.98	10.38	1.992	29.33	0
10/30/21 4:15	10.16	30.05	9.71	2.007	29.33	0
10/30/21 4:30	11.29	25.15	11.49	1.866	29.33	0
10/30/21 4:45	12.03	27.09	12	1.712	29.32	0
10/30/21 5:00	12.88	22.91	7.897	1.566	29.32	0
10/30/21 5:15	13.32	25.22	7.683	1.451	29.32	0
10/30/21 5:30	13.83	19.84	9.09	1.451	29.32	0
10/30/21 5:45	12.69	23.42	10.95	1.427	29.32	0
10/30/21 6:00	11.6	26.24	8.77	1.358	29.32	0
10/30/21 6:15	11.23	27.7	7.349	1.278	29.32	0
10/30/21 6:30	13.13	27.16	7.614	1.168	29.32	0
10/30/21 6:45	12.31	27.47	7.918	1.056	29.32	0
10/30/21 7:00	11.89	28.15	8.79	0.954	29.32	0
10/30/21 7:15	11.42	24.46	9.2	0.888	29.33	0
10/30/21 7:30	12.67	26.77	8.44	0.905	29.33	0
10/30/21 7:45	12.92	26.58	9.17	1.05	29.33	0
10/30/21 8:00	14.84	24	8.11	1.251	29.33	0
10/30/21 8:15	14.17	22.05	9.65	1.739	29.33	0
10/30/21 8:30	12.31	24.72	9.5	2.249	29.33	0
10/30/21 8:45	14.31	24.54	8.44	2.521	29.33	0
10/30/21 9:00	13.74	28.13	8.6	2.78	29.33	0
10/30/21 9:15	11.31	29.93	9.12	3.147	29.33	0
10/30/21 9:30	11.24	25.68	7.705	3.278	29.33	0
10/30/21 9:45	10.11	26.06	9.8	3.424	29.33	0
10/30/21 10:00	9	29.51	12.49	3.806	29.32	0
10/30/21 10:15	9.59	27	12.12	4.103	29.32	0
10/30/21 10:30	9.64	24.23	12.82	4.356	29.32	0
10/30/21 10:45	10.24	20.68	11.91	4.892	29.31	0
10/30/21 11:00	11.45	25	9.26	5.122	29.31	0
10/30/21 11:15	11.24	27.85	9.95	5.669	29.31	0
10/30/21 11:30	11.02	24.62	9.56	6.139	29.3	0
10/30/21 11:45	11.37	22.25	12.86	6.53	29.29	0
10/30/21 12:00	11.87	21.23	12.33	7.023	29.29	0
10/30/21 12:15	12.95	19.84	10.99	7.503	29.29	0
10/30/21 12:30	13.01	16.02	11.81	7.926	29.28	0
10/30/21 12:45	12.67	18.35	13.37	8.27	29.28	0
10/30/21 13:00	12.68	19.98	13.49	8.52	29.28	0
10/30/21 13:15	12.13	20.25	12.83	8.84	29.27	0
10/30/21 13:30	13.35	21.21	13.01	9.14	29.26	0
10/30/21 13:45	13.55	20.59	11.29	9.26	29.26	0
10/30/21 14:00	14.87	21.5	9.71	9.26	29.25	0
10/30/21 14:15	14.28	18.91	10.57	9.35	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
10/30/21 14:30	13.74	21.53	12.23	9.33	29.25	0
10/30/21 14:45	14.31	22.82	10.13	9.36	29.24	0
10/30/21 15:00	13.06	22.07	11.05	9.34	29.24	0
10/30/21 15:15	14.33	19.09	11.22	9.26	29.24	0
10/30/21 15:30	12.49	22.33	11.44	9.21	29.24	0
10/30/21 15:45	13.16	19.89	11.23	9.21	29.24	0
10/30/21 16:00	13.45	19.98	11.42	9.1	29.24	0
10/30/21 16:15	13.52	17.96	9.29	9.01	29.24	0
10/30/21 16:30	13.13	20.97	10.92	8.92	29.24	0
10/30/21 16:45	11.05	16.82	12.68	8.73	29.24	0
10/30/21 17:00	8.31	26.3	13.61	8.42	29.25	0
10/30/21 17:15	9.67	25.13	14.94	8.27	29.24	0
10/30/21 17:30	9.9	26.92	9.58	7.814	29.24	0
10/30/21 17:45	8.87	29.94	10.57	7.723	29.24	0
10/30/21 18:00	10.02	31.64	15.34	7.524	29.24	0
10/30/21 18:15	9.83	29	15.52	7.405	29.24	0
10/30/21 18:30	9.34	22.55	11.29	7.251	29.23	0
10/30/21 18:45	7.17	20.42	15.21	7.101	29.23	0
10/30/21 19:00	7.577	22.72	14.14	7.032	29.23	0
10/30/21 19:15	5.749	25.51	14.96	6.456	29.23	0
10/30/21 19:30	5.27	22.19	14.05	6.354	29.23	0
10/30/21 19:45	4.555	18.89	12.27	6.52	29.23	0
10/30/21 20:00	5.036	15.87	13.85	6.468	29.22	0
10/30/21 20:15	5.567	14.41	8.54	6.415	29.23	0
10/30/21 20:30	5.68	17.29	9.9	6.389	29.23	0
10/30/21 20:45	5.312	16.92	10.23	6.637	29.22	0
10/30/21 21:00	5.655	16.48	9.55	6.401	29.22	0
10/30/21 21:15	5.322	17.56	9.87	5.877	29.22	0
10/30/21 21:30	5.054	17.52	10.12	6.121	29.22	0
10/30/21 21:45	4.306	15.79	14.02	6.482	29.22	0
10/30/21 22:00	4.871	13.64	11.4	6.516	29.22	0
10/30/21 22:15	3.645	13.73	15.86	6.738	29.22	0
10/30/21 22:30	3.697	29.57	24.34	6.772	29.22	0
10/30/21 22:45	2.654	41.12	28.96	7.42	29.22	0
10/30/21 23:00	3.924	79.02	37.1	8.29	29.22	0
10/30/21 23:15	3.447	18.21	18.28	7.706	29.22	0
10/30/21 23:30	3.976	7.587	15.83	7.336	29.22	0
10/30/21 23:45	4.575	5.988	14.87	7.02	29.22	0
10/31/21 0:00	4.352	8.88	8.89	6.958	29.21	0
10/31/21 0:15	3.775	6.06	15.3	7.303	29.21	0
10/31/21 0:30	2.614	13.56	21.64	7.801	29.21	0
10/31/21 0:45	3.644	17.03	25.58	7.671	29.21	0
10/31/21 1:00	3.444	12.28	15.41	7.806	29.21	0
10/31/21 1:15	4.134	10.11	13.29	7.874	29.21	0
10/31/21 1:30	2.997	9.19	18.39	8.01	29.21	0
10/31/21 1:45	3.758	11.13	25.09	7.545	29.21	0
10/31/21 2:00	4.519	12.07	9.75	7.068	29.21	0
10/31/21 2:15	4.218	11.22	9.76	7.057	29.21	0
10/31/21 2:30	3.724	24.65	15.34	6.722	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
10/31/21 2:45	2.945	60.6	27.96	7.264	29.2	0
10/31/21 3:00	5.135	107.4	15.77	8.51	29.2	0
10/31/21 3:15	6.198	87.6	16.68	8.55	29.2	0
10/31/21 3:30	5.482	73.01	19.51	7.614	29.2	0
10/31/21 3:45	4.236	64.07	17.84	7.464	29.2	0
10/31/21 4:00	4.083	49.3	18.78	6.745	29.19	0
10/31/21 4:15	4.931	81	15.76	8.17	29.19	0
10/31/21 4:30	5.182	90.6	17.43	8.77	29.19	0
10/31/21 4:45	7.114	96.8	12.86	8.75	29.19	0
10/31/21 5:00	4.829	81.9	13.98	8.43	29.19	0
10/31/21 5:15	4.56	69.26	26.9	8.11	29.19	0
10/31/21 5:30	3.583	43.16	24.11	6.879	29.19	0
10/31/21 5:45	3.075	50.12	24.98	6.818	29.19	0
10/31/21 6:00	5.853	93.1	17.21	8.24	29.19	0
10/31/21 6:15	8.02	108.8	14.92	8.69	29.19	0
10/31/21 6:30	5.652	82.9	20.05	7.771	29.19	0
10/31/21 6:45	6.154	89.7	22.44	7.632	29.19	0
10/31/21 7:00	7.736	102.9	14.5	8.08	29.2	0
10/31/21 7:15	8.04	102.7	12.2	7.946	29.2	0
10/31/21 7:30	7.493	103	11.93	8.04	29.21	0
10/31/21 7:45	6.644	102.2	10.38	8.16	29.21	0
10/31/21 8:00	5.832	85.5	17.16	7.591	29.21	0
10/31/21 8:15	6.158	83.9	12.47	7.632	29.22	0
10/31/21 8:30	7.155	86.1	18.82	8.15	29.22	0
10/31/21 8:45	6.563	87.1	19.56	8.55	29.22	0
10/31/21 9:00	6.03	96.3	19.6	9.05	29.22	0
10/31/21 9:15	5.622	106.1	14.8	10.32	29.22	0
10/31/21 9:30	5.62	99.4	13.05	10.65	29.21	0
10/31/21 9:45	5.102	94.8	23.31	10.95	29.21	0
10/31/21 10:00	3.818	93.7	25.16	11.61	29.21	0
10/31/21 10:15	3.479	105.8	20.49	12.47	29.21	0
10/31/21 10:30	5.17	109.7	23.02	13.04	29.21	0
10/31/21 10:45	3.954	75.35	28.61	12.82	29.2	0
10/31/21 11:00	4.013	94	30.77	13.19	29.2	0
10/31/21 11:15	3.869	43.2	18.08	13.16	29.2	0
10/31/21 11:30	2.811	23.64	9.86	13.09	29.19	0
10/31/21 11:45	2.675	29.85	16.84	13.77	29.18	0
10/31/21 12:00	2.259	16.13	20.23	14.15	29.18	0
10/31/21 12:15	2.031	44.19	17.33	14.61	29.17	0
10/31/21 12:30	2.874	44.15	21.44	14.75	29.16	0
10/31/21 12:45	2.192	25.4	31.82	15.12	29.16	0
10/31/21 13:00	3.896	113.7	47.52	15.79	29.15	0
10/31/21 13:15	8.03	124.5	22.54	15.95	29.14	0
10/31/21 13:30	9.1	138.3	13.15	16.05	29.14	0
10/31/21 13:45	11.06	148.7	12.13	16.08	29.14	0
10/31/21 14:00	11.19	131.4	14.84	15.96	29.13	0
10/31/21 14:15	13.51	138.3	11.11	15.82	29.13	0
10/31/21 14:30	12.32	139.3	13.13	15.93	29.13	0
10/31/21 14:45	12.34	133.8	12.77	15.78	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
10/31/21 15:00	12.08	130.4	10.83	15.63	29.14	0
10/31/21 15:15	11.32	134.1	10.56	15.57	29.14	0
10/31/21 15:30	11.43	138.4	11.13	15.38	29.14	0
10/31/21 15:45	11.13	142.4	10.34	15.19	29.14	0
10/31/21 16:00	10.97	138.8	10.28	14.91	29.14	0
10/31/21 16:15	10.23	132.9	12.06	14.72	29.14	0
10/31/21 16:30	10.81	126.8	10.61	14.29	29.14	0
10/31/21 16:45	10.48	127.9	9.42	13.98	29.14	0
10/31/21 17:00	8.85	123	9.81	13.49	29.14	0
10/31/21 17:15	8.94	125.8	11.16	13.13	29.14	0
10/31/21 17:30	9.14	118.7	10.42	12.85	29.14	0
10/31/21 17:45	8.16	113.9	11.1	12.42	29.14	0
10/31/21 18:00	8.3	120.5	12.43	12.2	29.14	0
10/31/21 18:15	8.25	122.2	11.16	11.87	29.14	0
10/31/21 18:30	8.79	117.1	10.82	11.69	29.14	0
10/31/21 18:45	8.47	113.9	12.22	11.51	29.14	0
10/31/21 19:00	8.43	112.6	11.8	11.32	29.14	0
10/31/21 19:15	8.22	108.3	12.77	10.93	29.14	0
10/31/21 19:30	9.32	114.5	13.32	11.03	29.14	0
10/31/21 19:45	10.81	123.6	10.55	11.56	29.14	0
10/31/21 20:00	11	119.7	13.4	11.53	29.14	0
10/31/21 20:15	11.27	121.2	12.48	11.41	29.14	0
10/31/21 20:30	12.06	129	11.02	11.14	29.13	0
10/31/21 20:45	10.41	125	10.19	11.04	29.14	0
10/31/21 21:00	9.82	122.7	9.15	10.86	29.14	0
10/31/21 21:15	10.67	121.6	8.54	11.08	29.14	0
10/31/21 21:30	9.23	127.5	10.62	11.03	29.15	0
10/31/21 21:45	10.59	127.8	9.35	11.06	29.14	0
10/31/21 22:00	10.88	133.5	9.71	11.02	29.14	0
10/31/21 22:15	10.69	143.1	9.18	10.94	29.15	0
10/31/21 22:30	9.78	124.4	10.65	10.8	29.14	0
10/31/21 22:45	8.49	129	10.7	10.66	29.14	0
10/31/21 23:00	8.09	152.6	8.29	10.49	29.14	0
10/31/21 23:15	8.31	149.4	9.67	10.61	29.13	0
10/31/21 23:30	6.928	139.5	9.5	10.66	29.13	0
10/31/21 23:45	5.821	107.9	9.73	10.25	29.13	0
11/1/21 0:00	5.833	110.2	12.26	10.91	29.12	0
11/1/21 0:15	7.35	107.8	15.74	11.77	29.12	0
11/1/21 0:30	8.49	108.4	18.71	11.45	29.11	0
11/1/21 0:45	8.44	131.2	12.27	11.51	29.11	0
11/1/21 1:00	10.24	127.7	12.12	11.75	29.11	0
11/1/21 1:15	10.13	120.8	14.69	11.7	29.11	0
11/1/21 1:30	13.91	118.3	13.63	11.64	29.11	0
11/1/21 1:45	13.84	121.1	13.38	11.42	29.11	0
11/1/21 2:00	12.17	121.8	12.4	11.62	29.1	0
11/1/21 2:15	8.79	108.9	17.97	11.59	29.1	0
11/1/21 2:30	10.58	106.7	15.38	11.62	29.09	0
11/1/21 2:45	8.82	98.9	15.78	11.6	29.08	0
11/1/21 3:00	8.04	119.2	22.64	11.47	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
11/1/21 3:15	12.98	140.4	10.79	11.62	29.08	0
11/1/21 3:30	13.51	134.3	10.39	11.49	29.08	0
11/1/21 3:45	14.86	130.7	11.66	11.65	29.08	0
11/1/21 4:00	15.2	127.8	11.77	11.6	29.07	0
11/1/21 4:15	15.75	125.1	13.29	11.52	29.07	0
11/1/21 4:30	15.87	124.9	11.96	11.47	29.07	0
11/1/21 4:45	14.4	121.4	12.64	11.7	29.06	0
11/1/21 5:00	12.59	114.6	13.26	11.68	29.06	0
11/1/21 5:15	12.6	111.9	13.98	11.82	29.06	0
11/1/21 5:30	12.02	105.7	15.8	11.81	29.06	0
11/1/21 5:45	12.21	104.8	14.78	12.01	29.06	0
11/1/21 6:00	13.72	107.7	16.26	12.06	29.05	0
11/1/21 6:15	13.91	112.2	14.9	12.13	29.04	0
11/1/21 6:30	12.95	117	15.27	12.19	29.04	0
11/1/21 6:45	13.78	116.9	16.71	12.22	29.04	0
11/1/21 7:00	15.2	113.4	16.27	12.22	29.04	0
11/1/21 7:15	14.41	118.4	14.18	12.3	29.04	0
11/1/21 7:30	15.08	116.7	14.12	12.51	29.05	0
11/1/21 7:45	13.89	118.4	14.73	12.53	29.05	0
11/1/21 8:00	14.52	117.3	15.29	12.37	29.05	0
11/1/21 8:15	13.24	121	15.5	12.29	29.06	0
11/1/21 8:30	13.08	124.3	12.64	12.39	29.06	0
11/1/21 8:45	15.55	118.7	13.74	12.59	29.05	0
11/1/21 9:00	15.78	124	12.41	12.78	29.05	0
11/1/21 9:15	15.54	125.1	13.21	13.04	29.06	0
11/1/21 9:30	15.58	116.7	12.41	13.24	29.06	0
11/1/21 9:45	16.68	120.9	14.27	13.34	29.06	0
11/1/21 10:00	15.21	122.5	16.51	13.34	29.06	0
11/1/21 10:15	18.16	126.5	12.72	13.39	29.05	0
11/1/21 10:30	16.68	119.5	12.65	13.63	29.05	0
11/1/21 10:45	17.64	117.3	13.33	13.86	29.05	0
11/1/21 11:00	16.78	119.5	13.85	13.8	29.04	0
11/1/21 11:15	16.49	111.4	14.68	13.84	29.04	0
11/1/21 11:30	15.69	124.2	13.44	13.68	29.04	0
11/1/21 11:45	13.31	120.7	14.06	13.67	29.04	0
11/1/21 12:00	17.27	124.4	12.23	13.94	29.04	0
11/1/21 12:15	17.72	126.5	11.89	13.99	29.04	0
11/1/21 12:30	15.04	121.5	11.25	13.99	29.04	0
11/1/21 12:45	13.3	128.7	18.03	13.65	29.05	0
11/1/21 13:00	17.26	141.5	14.17	13.13	29.06	0
11/1/21 13:15	17.57	140.2	11.54	12.39	29.07	0
11/1/21 13:30	17.46	129.2	11.71	11.82	29.08	0
11/1/21 13:45	14.87	129.6	11.55	11.52	29.09	0
11/1/21 14:00	18.69	124.6	11.21	11.26	29.09	0
11/1/21 14:15	15.58	124.9	11.83	10.69	29.09	0
11/1/21 14:30	17.6	128	10.73	9.95	29.1	0
11/1/21 14:45	17.32	127.1	10.2	9.39	29.11	0
11/1/21 15:00	17.46	123	11.69	9.1	29.11	0
11/1/21 15:15	18.02	128.6	11.43	9.01	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
11/1/21 15:30	19.93	130	9.8	8.99	29.11	0
11/1/21 15:45	18.16	127.8	11.09	9.04	29.12	0
11/1/21 16:00	18.37	130.8	10.89	9.13	29.12	0
11/1/21 16:15	18.48	130.1	10.56	9.14	29.13	0
11/1/21 16:30	18.08	131.6	10.58	8.93	29.14	0
11/1/21 16:45	16.34	128.4	10.46	8.7	29.15	0
11/1/21 17:00	13.37	131	11.16	8.83	29.16	0
11/1/21 17:15	14.3	133.2	11.6	9.15	29.16	0
11/1/21 17:30	13.83	133.6	13.44	9.39	29.17	0
11/1/21 17:45	12.64	138.3	10.21	9.24	29.17	0
11/1/21 18:00	12.24	142.6	9.38	9.28	29.18	0
11/1/21 18:15	10.75	133.1	10.89	9.29	29.18	0
11/1/21 18:30	7.063	157.1	23.28	9.55	29.19	0
11/1/21 18:45	7.23	156.1	23.79	9.35	29.19	0
11/1/21 19:00	7.328	154.6	18.28	9.16	29.2	0
11/1/21 19:15	6.93	165.2	23.72	9.1	29.21	0
11/1/21 19:30	6.234	156	12.42	9.26	29.22	0
11/1/21 19:45	5.688	148.7	13.98	9.3	29.22	0
11/1/21 20:00	5.734	150	11.4	9.2	29.23	0
11/1/21 20:15	4.995	160.9	31.65	9.13	29.23	0
11/1/21 20:30	5.099	182.9	14.76	9	29.24	0
11/1/21 20:45	5.117	172.1	13.4	8.85	29.25	0
11/1/21 21:00	4.54	175.1	19.84	8.53	29.25	0
11/1/21 21:15	5.636	166.1	17.58	8.45	29.26	0
11/1/21 21:30	7.851	141.1	9.16	8.35	29.27	0
11/1/21 21:45	9.25	123.6	14.43	8.04	29.28	0
11/1/21 22:00	8.02	125.8	9.7	7.978	29.28	0
11/1/21 22:15	7.535	146.2	14.06	7.991	29.29	0
11/1/21 22:30	8.43	127.5	9.57	8	29.28	0
11/1/21 22:45	7.353	139.5	13.1	7.942	29.28	0
11/1/21 23:00	6.449	129.9	8.78	8.23	29.28	0
11/1/21 23:15	7.629	163.8	12.53	8.07	29.28	0
11/1/21 23:30	6.521	139.9	16.3	8.29	29.29	0
11/1/21 23:45	6.436	132.5	17.41	8.52	29.29	0
11/2/21 0:00	6.143	134.7	17.27	8.82	29.29	0
11/2/21 0:15	5.536	142	12.49	8.68	29.3	0
11/2/21 0:30	6.356	139	9.95	8.58	29.31	0
11/2/21 0:45	5.891	126.7	12.36	8.6	29.31	0
11/2/21 1:00	2.764	95.3	19.73	8.15	29.31	0
11/2/21 1:15	3.889	165.3	17.82	8.13	29.31	0
11/2/21 1:30	3.326	134.1	11.2	8.69	29.31	0
11/2/21 1:45	1.999	173	11.16	8.24	29.31	0
11/2/21 2:00	1.314	147.9	17.8	8.4	29.31	0
11/2/21 2:15	0.955	116.4	23.36	8.01	29.31	0
11/2/21 2:30	2.191	142.8	7.958	8.05	29.31	0
11/2/21 2:45	2.368	139.8	9.02	8.11	29.31	0
11/2/21 3:00	3.53	153.5	17.93	8.1	29.31	0
11/2/21 3:15	3.729	170	10.27	7.617	29.31	0
11/2/21 3:30	3.913	174.4	7.968	7.742	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
11/2/21 3:45	4	169.6	7.572	7.659	29.32	0
11/2/21 4:00	2.392	132.3	10.27	7.731	29.31	0
11/2/21 4:15	2.841	157.6	11.36	7.928	29.31	0
11/2/21 4:30	3.676	155.6	9.84	8.08	29.32	0
11/2/21 4:45	2.83	171.7	9.88	7.886	29.32	0
11/2/21 5:00	2.09	135.6	39.7	7.616	29.32	0
11/2/21 5:15	1.539	78.7	26.62	7.396	29.32	0
11/2/21 5:30	3.273	171.4	8.64	7.6	29.32	0
11/2/21 5:45	2.57	134.4	23.66	7.85	29.32	0
11/2/21 6:00	1.022	57.28	24.98	7.253	29.31	0
11/2/21 6:15	2.699	141.2	24.95	7.68	29.31	0
11/2/21 6:30	2.173	140	9.74	7.952	29.31	0
11/2/21 6:45	2.502	78.7	15.21	7.848	29.3	0
11/2/21 7:00	3.475	113.7	16.47	7.611	29.29	0
11/2/21 7:15	4.617	153.1	10.77	8.3	29.3	0
11/2/21 7:30	3.731	162.5	11.37	8.41	29.31	0
11/2/21 7:45	2.733	146.7	15.88	8.63	29.31	0
11/2/21 8:00	1.258	58.63	26.81	8.33	29.32	0
11/2/21 8:15	1.469	39.24	16.27	8.46	29.32	0
11/2/21 8:30	1.347	33.93	10.61	8.66	29.32	0
11/2/21 8:45	1.107	194.5	60.28	9.23	29.33	0
11/2/21 9:00	3.636	197.5	15.29	9.61	29.33	0
11/2/21 9:15	3.32	157.8	14.84	9.56	29.34	0
11/2/21 9:30	2.705	50.55	26.35	9.37	29.33	0
11/2/21 9:45	0.579	243.9	24.24	9.14	29.33	0
11/2/21 10:00	2.621	127.7	12.57	9.65	29.33	0
11/2/21 10:15	2.219	43.12	20.29	9.34	29.33	0
11/2/21 10:30	2.683	351.6	15.71	9.29	29.34	0
11/2/21 10:45	4.131	33.08	14.51	9.34	29.33	0
11/2/21 11:00	2.016	55.36	27.08	9.45	29.33	0
11/2/21 11:15	4.904	52.99	17.75	9.61	29.34	0
11/2/21 11:30	4.089	9.18	15.99	9.79	29.34	0
11/2/21 11:45	3.858	317.8	26.8	9.65	29.34	0
11/2/21 12:00	1.573	77.96	54.55	10.06	29.33	0
11/2/21 12:15	1.51	91.9	36.44	10.18	29.33	0
11/2/21 12:30	5.306	145.6	13.98	10.15	29.33	0
11/2/21 12:45	5.91	143.3	12.7	10.59	29.32	0
11/2/21 13:00	7.146	165.6	14.91	10.66	29.33	0
11/2/21 13:15	6.294	179.2	23.97	10.22	29.34	0
11/2/21 13:30	7.311	146.3	8.94	9.92	29.34	0
11/2/21 13:45	4.89	130.1	26.51	9.58	29.35	0
11/2/21 14:00	6.545	230	23.73	9.27	29.35	0
11/2/21 14:15	5.798	211.5	20.09	8.93	29.35	0
11/2/21 14:30	6.278	173.8	10.84	8.99	29.34	0
11/2/21 14:45	6.415	170.9	16.34	8.93	29.34	0
11/2/21 15:00	3.466	163.6	18.18	8.79	29.34	0
11/2/21 15:15	4.845	166.2	15.21	8.84	29.35	0
11/2/21 15:30	3.667	109.3	22.9	8.74	29.35	0
11/2/21 15:45	5.668	76.22	8.73	8.54	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
11/2/21 16:00	5.068	101.6	11.87	8.51	29.33	0
11/2/21 16:15	5.808	113.3	12.49	9.01	29.33	0
11/2/21 16:30	6.64	122.4	11.84	9.23	29.32	0
11/2/21 16:45	5.985	130	11.3	9.16	29.32	0
11/2/21 17:00	5.074	140.1	17.24	9.26	29.32	0
11/2/21 17:15	4.444	145.5	28.46	9.46	29.31	0
11/2/21 17:30	5.766	139.9	22.67	9.2	29.31	0
11/2/21 17:45	12.64	124.4	11.41	9.57	29.31	0
11/2/21 18:00	13.3	130.9	10.25	9.71	29.31	0
11/2/21 18:15	13.38	139.2	11.05	9.63	29.3	0
11/2/21 18:30	12.22	140.8	11.08	9.63	29.31	0
11/2/21 18:45	10.49	134	10.71	9.64	29.31	0
11/2/21 19:00	11.09	125.8	11.71	9.66	29.31	0
11/2/21 19:15	12.26	123.1	11.31	9.8	29.31	0
11/2/21 19:30	13.66	128.9	15.36	9.93	29.3	0
11/2/21 19:45	16.33	133.6	10.15	10.4	29.29	0
11/2/21 20:00	19.99	127.6	10.71	10.77	29.28	0
11/2/21 20:15	17.08	126.8	10.59	10.61	29.27	0
11/2/21 20:30	14.39	124	10.97	10.5	29.27	0
11/2/21 20:45	13.41	129	13.89	10.59	29.28	0
11/2/21 21:00	11.31	139.4	12.55	10.75	29.29	0
11/2/21 21:15	9.35	133.1	13.35	11.03	29.3	0
11/2/21 21:30	10.64	141.4	14.57	11.35	29.3	0
11/2/21 21:45	10.92	136.7	12.93	11.69	29.3	0
11/2/21 22:00	7.766	129.7	15.74	11.78	29.31	0
11/2/21 22:15	10.26	125.1	12.54	12.01	29.31	0
11/2/21 22:30	12.83	132	9.9	12.08	29.3	0
11/2/21 22:45	13.58	128.8	9.5	11.98	29.3	0
11/2/21 23:00	11.96	128.9	14.32	11.82	29.31	0
11/2/21 23:15	12.55	125.1	10.38	12.03	29.31	0
11/2/21 23:30	9.61	139.6	21.24	11.91	29.31	0
11/2/21 23:45	9.62	153.7	14.31	11.48	29.32	0
11/3/21 0:00	9.98	133.2	14.11	11.65	29.32	0
11/3/21 0:15	11.89	140.2	12.42	11.8	29.31	0
11/3/21 0:30	9.47	115.4	17.2	11.91	29.31	0
11/3/21 0:45	5.261	108.7	25.05	12.16	29.31	0
11/3/21 1:00	8.68	125.9	17.25	12.13	29.31	0
11/3/21 1:15	6.048	101.7	24.31	12.04	29.3	0
11/3/21 1:30	5.001	98.2	23.39	11.99	29.3	0
11/3/21 1:45	5.7	126.9	27.04	12.11	29.31	0
11/3/21 2:00	6.818	100.9	16.87	11.98	29.3	0
11/3/21 2:15	6.547	110.6	19.12	12.14	29.3	0
11/3/21 2:30	9.87	126.1	12.17	12.75	29.3	0
11/3/21 2:45	10.1	132.2	11.87	13.11	29.29	0
11/3/21 3:00	10.02	133.6	12.02	13.01	29.29	0
11/3/21 3:15	12.05	127.9	12.22	13.08	29.28	0
11/3/21 3:30	12.47	129.2	10.26	13	29.27	0
11/3/21 3:45	8.89	125.4	12.79	13.17	29.27	0
11/3/21 4:00	5.278	164.2	29.54	12.84	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
11/3/21 4:15	5.409	151.2	19.57	12.46	29.27	0
11/3/21 4:30	4.564	164.8	35.88	12.39	29.27	0
11/3/21 4:45	4.673	152.2	25.55	12.4	29.27	0
11/3/21 5:00	3.8	158.5	24.32	12.37	29.27	0
11/3/21 5:15	5.739	148.4	15.93	12.6	29.27	0
11/3/21 5:30	7.412	135.3	11.23	12.76	29.27	0
11/3/21 5:45	8.37	127.6	12.74	12.92	29.27	0
11/3/21 6:00	8.39	128.8	14.31	12.77	29.27	0
11/3/21 6:15	8.89	123.3	11.79	12.8	29.26	0
11/3/21 6:30	7.964	132.5	13.51	12.66	29.25	0
11/3/21 6:45	8.54	130.7	12.24	12.6	29.25	0
11/3/21 7:00	7.884	131.1	19.96	12.43	29.24	0
11/3/21 7:15	7.929	124.8	16.83	12.4	29.23	0
11/3/21 7:30	9.74	125.3	12.49	12.81	29.23	0
11/3/21 7:45	8.86	120.1	15.22	12.95	29.22	0
11/3/21 8:00	6.222	133	24.19	13.2	29.22	0
11/3/21 8:15	6.253	160.8	18.57	13.66	29.22	0
11/3/21 8:30	6.469	130.8	36.13	13.53	29.21	0
11/3/21 8:45	3.986	119.7	35.57	13.84	29.21	0
11/3/21 9:00	3.807	127.8	24.66	14.4	29.21	0
11/3/21 9:15	5.364	116.5	18.89	14.59	29.2	0
11/3/21 9:30	6.525	155.5	19.08	14.79	29.2	0
11/3/21 9:45	5.935	135.1	27.71	15.02	29.2	0
11/3/21 10:00	5.324	128	28.45	15	29.19	0
11/3/21 10:15	6.61	150.6	30.89	15.31	29.2	0
11/3/21 10:30	6.262	133.9	22.81	15.49	29.2	0
11/3/21 10:45	6.152	118.2	21.96	15.46	29.19	0
11/3/21 11:00	5.756	97.8	26.1	15.43	29.18	0
11/3/21 11:15	6.43	100.1	25.5	15.28	29.17	0
11/3/21 11:30	3.922	94.9	41.01	15.04	29.17	0
11/3/21 11:45	4.285	103.5	28.98	15.41	29.16	0
11/3/21 12:00	4.414	109.4	21.82	15.85	29.15	0
11/3/21 12:15	6.377	108.6	20.24	15.92	29.14	0
11/3/21 12:30	5.67	125.4	22.52	16.09	29.14	0
11/3/21 12:45	9.25	146.1	15.29	16.23	29.14	0
11/3/21 13:00	7.322	214.6	31.71	16.35	29.15	0
11/3/21 13:15	11.66	269.9	9.23	14.65	29.16	0
11/3/21 13:30	6.642	319.1	34.41	14.11	29.15	0
11/3/21 13:45	6.68	81.3	18.91	14.03	29.13	0
11/3/21 14:00	5.93	118.5	18.35	14.69	29.12	0
11/3/21 14:15	9.72	142.2	16.54	15.61	29.12	0
11/3/21 14:30	11.36	144.9	14.1	15.25	29.12	0
11/3/21 14:45	8.41	155.8	15.34	15.24	29.13	0
11/3/21 15:00	7.143	155	20.68	15.19	29.12	0
11/3/21 15:15	5.546	189.5	62.73	14.8	29.12	0
11/3/21 15:30	0.951	286	38.03	14.36	29.11	0
11/3/21 15:45	7.068	122.5	20.9	14.31	29.1	0
11/3/21 16:00	8.09	112.2	9.81	14.2	29.08	0
11/3/21 16:15	5.422	119.8	15.01	14.21	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
11/3/21 16:30	3.869	42.47	27.79	13.57	29.06	0
11/3/21 16:45	4.695	28.63	14.72	13.31	29.05	0
11/3/21 17:00	5.623	33.74	9.2	12.98	29.03	0
11/3/21 17:15	5.299	40.94	11.74	12.56	29.02	0
11/3/21 17:30	3.475	30.85	10.26	12.43	29.01	0
11/3/21 17:45	1.81	44.63	8.92	12.65	29	0
11/3/21 18:00	1.529	268.5	65.12	13	28.99	0
11/3/21 18:15	2.876	286.5	19.38	12.82	28.98	0
11/3/21 18:30	5.09	208.7	29.76	12.76	28.98	0
11/3/21 18:45	4.907	140.9	26.83	13.42	28.97	0
11/3/21 19:00	4.865	65.16	21.55	12.18	28.96	0
11/3/21 19:15	5.851	132.3	42.38	12.79	28.95	0
11/3/21 19:30	8.81	173.7	18.33	12.75	28.95	0
11/3/21 19:45	8.62	186.9	16.35	12.03	28.95	0
11/3/21 20:00	3.037	164.9	33.5	11.65	28.95	0
11/3/21 20:15	4.062	106.4	20.11	11.27	28.94	0
11/3/21 20:30	4.557	68.69	10.44	10.94	28.93	0
11/3/21 20:45	8.79	101.4	10.84	11.96	28.91	0
11/3/21 21:00	6.768	122.6	18.63	12.08	28.91	0
11/3/21 21:15	8.62	136.2	12.73	12.01	28.91	0
11/3/21 21:30	12.88	130.6	9.83	11.76	28.91	0
11/3/21 21:45	6.526	97.7	28.13	11.39	28.9	0
11/3/21 22:00	6.346	107.4	23.49	11.44	28.88	0
11/3/21 22:15	4.353	148.9	40.77	11.64	28.88	0
11/3/21 22:30	5.577	106.5	10.65	11.82	28.86	0
11/3/21 22:45	4.292	85	19.73	11.99	28.85	0
11/3/21 23:00	5.65	92.7	19.13	12.09	28.83	0
11/3/21 23:15	7.785	120.1	11.03	11.93	28.82	0
11/3/21 23:30	9.33	119.4	16.66	12.03	28.82	0
11/3/21 23:45	13.8	125	11.37	12.37	28.82	0
11/4/21 0:00	11.45	145.3	16.58	12.38	28.82	0
11/4/21 0:15	11.38	147.1	9.88	11.97	28.83	0
11/4/21 0:30	12.94	165.4	20.83	11.79	28.84	0
11/4/21 0:45	9.48	181.2	27.87	11.31	28.86	0
11/4/21 1:00	8.23	132.4	19.5	10.86	28.86	0
11/4/21 1:15	8.6	102	20.48	10.76	28.86	0
11/4/21 1:30	13.22	111.4	14.44	10.95	28.84	0
11/4/21 1:45	12.94	119.9	11.52	11.13	28.84	0
11/4/21 2:00	11.43	128.2	13.28	11.47	28.82	0
11/4/21 2:15	13.2	134.4	12.61	12.22	28.82	0
11/4/21 2:30	13.48	136.7	10.79	12.36	28.83	0
11/4/21 2:45	11.69	133	9.47	12.38	28.83	0
11/4/21 3:00	10.27	131.2	8.39	12.26	28.82	0
11/4/21 3:15	9.46	146	11.28	12.4	28.82	0
11/4/21 3:30	11.2	133.8	9.03	12.55	28.81	0
11/4/21 3:45	9.14	139.8	8.95	12.49	28.81	0
11/4/21 4:00	8.94	137.5	10.6	12.23	28.81	0
11/4/21 4:15	7.427	120	15.06	12.5	28.81	0
11/4/21 4:30	5.865	130.2	19.1	12.28	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
11/4/21 4:45	5.407	121.6	17.92	12.38	28.8	0
11/4/21 5:00	5.747	124.4	18.57	12.65	28.79	0
11/4/21 5:15	5.45	145.4	24.4	12.79	28.79	0
11/4/21 5:30	9.49	141.3	9.98	12.42	28.79	0
11/4/21 5:45	11.65	126.4	9.63	12.76	28.78	0
11/4/21 6:00	7.927	139.8	11.28	12.85	28.77	0
11/4/21 6:15	9.08	143	19.68	12.85	28.77	0
11/4/21 6:30	9.85	141.7	12.43	12.79	28.77	0
11/4/21 6:45	11.94	137.6	11.68	12.07	28.77	0
11/4/21 7:00	11.74	145.2	13.35	11.75	28.77	0
11/4/21 7:15	11.49	128.7	9.23	11.44	28.77	0
11/4/21 7:30	10.27	121	9.78	11.63	28.76	0
11/4/21 7:45	8.78	119.4	10.99	11.59	28.76	0
11/4/21 8:00	7.657	95	13.02	11.02	28.75	0
11/4/21 8:15	8.01	120.8	9.85	10.98	28.75	0
11/4/21 8:30	11.87	129.2	10.42	10.66	28.75	0
11/4/21 8:45	16.72	120.1	12.02	11.31	28.75	0
11/4/21 9:00	14.6	129.5	11.67	11.55	28.76	0
11/4/21 9:15	14.33	135.9	9.75	11.39	28.77	0
11/4/21 9:30	13.44	132.4	8.58	11.69	28.78	0
11/4/21 9:45	11.23	136.3	9.98	11.75	28.79	0
11/4/21 10:00	9.1	141.6	9.49	11.81	28.8	0
11/4/21 10:15	7.331	139.9	8.31	11.55	28.81	0
11/4/21 10:30	7.957	154.3	14.09	11.74	28.82	0
11/4/21 10:45	6.161	143.8	10.77	12	28.83	0
11/4/21 11:00	4.622	132.1	11.92	12.26	28.84	0
11/4/21 11:15	6.879	140.4	14.26	12.46	28.84	0
11/4/21 11:30	9.24	161	11.75	12.78	28.85	0
11/4/21 11:45	9.16	175.2	9.35	12.93	28.85	0
11/4/21 12:00	5.845	159.4	15.34	13.26	28.85	0
11/4/21 12:15	7.921	176.5	13.22	13.36	28.85	0
11/4/21 12:30	12.26	190.4	9.76	13.23	28.86	0
11/4/21 12:45	9.97	179.8	8.42	13	28.87	0
11/4/21 13:00	10.29	162.9	11.25	12.89	28.87	0
11/4/21 13:15	11.88	174.3	10.83	12.74	28.87	0
11/4/21 13:30	9.44	176.1	7.912	12.49	28.88	0
11/4/21 13:45	9.18	193.5	14.62	12.29	28.89	0
11/4/21 14:00	22.43	234.8	11.43	11.54	28.91	0
11/4/21 14:15	20.31	225.6	8.42	11	28.93	0
11/4/21 14:30	21.54	212.5	10.78	10.8	28.95	0
11/4/21 14:45	18.08	201.6	9.61	10.56	28.97	0
11/4/21 15:00	16.06	196.2	9.87	10.48	28.99	0
11/4/21 15:15	13.23	202	11.22	10.39	29.01	0
11/4/21 15:30	17.17	198.7	11.2	10.23	29.02	0
11/4/21 15:45	16.48	202.1	8.95	10.24	29.04	0
11/4/21 16:00	17.4	214.1	12.82	10.1	29.05	0
11/4/21 16:15	17.02	224.2	12.26	10.04	29.06	0
11/4/21 16:30	18.28	211.7	13.15	10.01	29.07	0
11/4/21 16:45	13.49	207.2	11.34	9.93	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
11/4/21 17:00	17.94	214.5	8.45	9.84	29.09	0
11/4/21 17:15	12.03	206.2	12.49	9.59	29.1	0
11/4/21 17:30	15.32	205.8	12.18	9.44	29.12	0
11/4/21 17:45	16.71	206.6	10.82	9.29	29.13	0
11/4/21 18:00	14.45	197.3	11.66	9.25	29.15	0
11/4/21 18:15	15.95	209.5	7.899	9.23	29.15	0
11/4/21 18:30	15.35	210.4	9.89	9.04	29.16	0
11/4/21 18:45	10.37	196.8	7.107	8.67	29.17	0
11/4/21 19:00	11.88	191.8	7.91	8.52	29.18	0
11/4/21 19:15	10.36	191.8	9.13	8.63	29.19	0
11/4/21 19:30	12.92	191.5	8.98	8.78	29.19	0
11/4/21 19:45	11.95	195.9	8.57	8.84	29.19	0
11/4/21 20:00	11.08	185.6	9.28	8.52	29.19	0
11/4/21 20:15	12.07	180.6	7.536	8.37	29.18	0
11/4/21 20:30	9.84	183.9	6.479	8.18	29.18	0
11/4/21 20:45	8.16	176	9.52	7.874	29.18	0
11/4/21 21:00	6.009	144.4	11.06	7.38	29.18	0
11/4/21 21:15	7.336	130.2	8.78	7.525	29.18	0
11/4/21 21:30	6.841	138.6	8.65	7.809	29.18	0
11/4/21 21:45	7.251	153.6	5.919	7.788	29.18	0
11/4/21 22:00	7.064	150.3	7.669	7.649	29.17	0
11/4/21 22:15	7.815	142.8	7.792	8	29.17	0
11/4/21 22:30	8.77	160.1	8.79	8.34	29.17	0
11/4/21 22:45	5.926	136.5	19.28	8.02	29.17	0
11/4/21 23:00	5.487	129	8.65	7.684	29.16	0
11/4/21 23:15	7.519	136.7	8.39	7.897	29.16	0
11/4/21 23:30	8.42	130.2	7.516	8.19	29.15	0
11/4/21 23:45	7.712	137.4	9.61	8.4	29.15	0
11/5/21 0:00	8.75	156.9	10.99	8.7	29.14	0
11/5/21 0:15	7.947	153	12.92	8.6	29.14	0
11/5/21 0:30	8.27	138.2	7.757	8.67	29.13	0
11/5/21 0:45	9.3	139.1	7.301	8.91	29.12	0
11/5/21 1:00	9.86	138.8	12.41	9.06	29.12	0
11/5/21 1:15	11.04	137.3	9.65	8.94	29.11	0
11/5/21 1:30	11.56	130.6	8.18	8.95	29.11	0
11/5/21 1:45	10.66	125.8	9.33	9.06	29.1	0
11/5/21 2:00	9.69	125.5	9.16	9.23	29.09	0
11/5/21 2:15	10.72	127.8	8.5	9.52	29.09	0
11/5/21 2:30	9.68	129	9.84	9.58	29.08	0
11/5/21 2:45	8.77	142.2	14.99	9.48	29.07	0
11/5/21 3:00	8.06	133.2	15.63	9.49	29.07	0
11/5/21 3:15	8.26	136	13.95	9.51	29.06	0
11/5/21 3:30	7.927	135.7	10.3	9.55	29.06	0
11/5/21 3:45	9.48	129.4	11.76	9.59	29.05	0
11/5/21 4:00	11.51	127.6	9.2	9.6	29.04	0
11/5/21 4:15	10.41	130.7	9.33	9.62	29.04	0
11/5/21 4:30	11.31	129.1	10.16	9.61	29.02	0
11/5/21 4:45	11.08	136.7	11.06	9.63	29.02	0
11/5/21 5:00	9.67	134.3	9.13	9.75	29.01	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/5/21 5:15	8.68	141.2	10.41	9.67	29.01	0
11/5/21 5:30	11	133.6	10.69	9.46	29	0
11/5/21 5:45	11.55	147.1	15.28	8.75	29.01	0
11/5/21 6:00	10.53	125.6	12.14	7.984	29.01	0
11/5/21 6:15	11.31	128.4	14.16	8.16	29.01	0
11/5/21 6:30	13.12	146.4	16.75	7.992	29.02	0
11/5/21 6:45	12.55	145	12.19	7.968	29.02	0
11/5/21 7:00	11.38	157.2	19.9	8.16	29.03	0
11/5/21 7:15	9.19	183	19.34	7.93	29.05	0
11/5/21 7:30	12.09	224.5	10.67	7.531	29.07	0
11/5/21 7:45	14.97	205.9	11.64	7.392	29.08	0
11/5/21 8:00	13.2	196.8	9.12	7.529	29.09	0
11/5/21 8:15	12.49	194.9	10.22	7.579	29.11	0
11/5/21 8:30	12.46	192.5	10.98	7.716	29.12	0
11/5/21 8:45	10.11	190.4	9.84	7.725	29.11	0
11/5/21 9:00	11.86	192.7	9.33	7.693	29.12	0
11/5/21 9:15	12.74	194.6	9.12	7.616	29.13	0
11/5/21 9:30	12.81	187.1	11.13	7.797	29.13	0
11/5/21 9:45	10.38	189.4	13.01	8.28	29.14	0
11/5/21 10:00	12.52	198.2	14.47	8.43	29.15	0
11/5/21 10:15	12.54	209.8	11.68	8.55	29.16	0
11/5/21 10:30	11.38	202.8	15.16	8.51	29.17	0
11/5/21 10:45	10.05	202.6	19.92	9.08	29.17	0
11/5/21 11:00	12.46	183.5	10.04	9.42	29.17	0
11/5/21 11:15	11.44	179.7	11.53	9.51	29.17	0
11/5/21 11:30	11.72	200.6	13.09	9.52	29.17	0
11/5/21 11:45	11.43	208.6	9.5	9.7	29.17	0
11/5/21 12:00	12.41	203.5	11.49	9.95	29.17	0
11/5/21 12:15	9.72	217	11.78	9.68	29.17	0
11/5/21 12:30	8.66	203.4	14.91	9.73	29.16	0
11/5/21 12:45	8.51	205.8	13.78	9.98	29.16	0
11/5/21 13:00	11.2	212.2	10.45	9.97	29.16	0
11/5/21 13:15	10.43	227	12.91	9.98	29.15	0
11/5/21 13:30	8.64	247.8	13.55	9.5	29.15	0
11/5/21 13:45	9.19	241.9	8.71	7.591	29.16	0
11/5/21 14:00	5.279	203.4	18.55	7.964	29.16	0
11/5/21 14:15	4.049	141.5	41.24	8.13	29.16	0
11/5/21 14:30	3.204	113.2	29.28	7.765	29.16	0
11/5/21 14:45	3.657	105.8	10.46	7.835	29.16	0
11/5/21 15:00	3.942	93.2	13.09	8.11	29.15	0
11/5/21 15:15	4.287	90.4	7.988	7.748	29.15	0
11/5/21 15:30	3.166	79.36	12.29	7.739	29.15	0
11/5/21 15:45	3.342	93.6	16.32	8.18	29.14	0
11/5/21 16:00	4.219	99.6	11.32	8.32	29.14	0
11/5/21 16:15	5.317	102.5	8.63	7.899	29.13	0
11/5/21 16:30	6.01	116	7.945	7.958	29.13	0
11/5/21 16:45	4.444	100	8.71	8.04	29.12	0
11/5/21 17:00	3.228	48.58	21.04	7.908	29.12	0
11/5/21 17:15	4.638	35.06	4.83	7.169	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
11/5/21 17:30	4.056	26.07	7.657	6.755	29.12	0
11/5/21 17:45	3.885	31.51	9.51	6.789	29.11	0
11/5/21 18:00	3.407	43.36	5.762	6.568	29.11	0
11/5/21 18:15	3.493	40.9	6.364	6.346	29.11	0
11/5/21 18:30	3.571	71.39	12.53	6.373	29.1	0
11/5/21 18:45	5.079	127.6	15.07	6.128	29.1	0
11/5/21 19:00	6.672	125.1	9.55	6.32	29.09	0
11/5/21 19:15	3.825	88.2	14.13	5.911	29.08	0
11/5/21 19:30	2.977	70.17	11.26	5.878	29.08	0
11/5/21 19:45	2.347	114.1	37.53	6.791	29.07	0
11/5/21 20:00	4.023	166.3	17.34	6.462	29.06	0
11/5/21 20:15	4.691	152.9	3.327	6.181	29.06	0
11/5/21 20:30	4.561	147	14.85	6.071	29.06	0
11/5/21 20:45	4.248	103.8	18.86	6.013	29.05	0
11/5/21 21:00	4.039	121.9	13.84	5.939	29.05	0
11/5/21 21:15	4.948	127.6	7.616	6.212	29.05	0
11/5/21 21:30	5.505	137.7	18.35	6	29.05	0
11/5/21 21:45	6.147	169.9	10.72	5.947	29.06	0
11/5/21 22:00	8.29	190.5	12.23	5.627	29.06	0
11/5/21 22:15	8.13	181.9	10.96	5.237	29.06	0
11/5/21 22:30	7.418	151.4	19.9	5.384	29.06	0
11/5/21 22:45	6.215	126.1	7.607	5.554	29.05	0
11/5/21 23:00	5.951	130.6	8.9	6.134	29.05	0
11/5/21 23:15	5.633	125	11.49	6.403	29.04	0
11/5/21 23:30	6.039	163.3	12.69	6.53	29.05	0
11/5/21 23:45	7.41	186.4	14.82	5.76	29.06	0
11/6/21 0:00	7.278	184.1	19.71	5.918	29.06	0
11/6/21 0:15	6.778	177.5	21.23	5.552	29.07	0
11/6/21 0:30	12.1	145.7	12.92	6.8	29.06	0
11/6/21 0:45	9.94	139.4	13.06	7.452	29.05	0
11/6/21 1:00	11.02	126.7	9.88	7.411	29.05	0
11/6/21 1:15	12.64	129.4	9.44	7.61	29.05	0
11/6/21 1:30	9.36	136.2	11.58	7.925	29.04	0
11/6/21 1:45	13.24	143.7	13.88	7.6	29.04	0
11/6/21 2:00	12.24	142.2	12.76	7.375	29.04	0
11/6/21 2:15	13.4	148.9	12.18	6.954	29.05	0
11/6/21 2:30	12.02	160.9	12.7	5.971	29.05	0
11/6/21 2:45	9.08	140.9	10.75	5.273	29.05	0
11/6/21 3:00	10.06	132.1	8.56	5.293	29.04	0
11/6/21 3:15	9.67	129.1	10.4	5.392	29.04	0
11/6/21 3:30	11.12	146.4	12.18	5.383	29.04	0
11/6/21 3:45	10.35	139.1	10.46	5.389	29.04	0
11/6/21 4:00	10.58	125.7	11.07	5.292	29.04	0
11/6/21 4:15	10.99	135.9	9.64	5.298	29.04	0
11/6/21 4:30	11.39	128	9.33	5.17	29.04	0
11/6/21 4:45	11	126.7	9.75	5.07	29.04	0
11/6/21 5:00	8.73	130.1	10.51	5.151	29.03	0
11/6/21 5:15	9.75	127.7	11.59	5.295	29.03	0
11/6/21 5:30	8.81	123.4	12.69	5.177	29.03	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/6/21 5:45	9.52	124.3	11.71	5.286	29.02	0
11/6/21 6:00	6.906	122.3	16.77	5.392	29.02	0
11/6/21 6:15	7.15	161	18.19	5.389	29.02	0
11/6/21 6:30	7.246	126.2	25.52	5.416	29.02	0
11/6/21 6:45	5.482	130.3	32.2	5.419	29.02	0
11/6/21 7:00	8.47	127.9	16.87	5.597	29.01	0
11/6/21 7:15	5.653	113	11.22	5.661	29.01	0
11/6/21 7:30	4.517	116.5	21.71	5.893	29.01	0
11/6/21 7:45	5.066	146.8	26.98	6.045	29.01	0
11/6/21 8:00	8.85	149.8	24.49	5.854	29.02	0
11/6/21 8:15	7.011	167.7	25.74	5.756	29.03	0
11/6/21 8:30	6.123	150.9	17.63	5.533	29.03	0
11/6/21 8:45	6.705	196.9	23.96	5.326	29.04	0
11/6/21 9:00	11.66	197.4	12.06	5.245	29.05	0
11/6/21 9:15	9.83	165.8	18.85	5.138	29.06	0
11/6/21 9:30	9.82	146.6	6.966	5.204	29.06	0
11/6/21 9:45	9.74	145.1	6.637	5.445	29.06	0
11/6/21 10:00	8.69	147.2	8.72	5.733	29.06	0
11/6/21 10:15	9.56	161.2	10.79	6.152	29.07	0
11/6/21 10:30	12.56	159	8.02	6.267	29.07	0
11/6/21 10:45	16.53	193.7	21.51	6.072	29.08	0
11/6/21 11:00	13.51	201.4	14.53	5.842	29.08	0
11/6/21 11:15	10.49	182.5	8.3	6.119	29.08	0
11/6/21 11:30	10.76	177.3	8.23	6.59	29.09	0
11/6/21 11:45	11.05	171.9	13.31	6.823	29.09	0
11/6/21 12:00	13.41	163	8.6	6.923	29.09	0
11/6/21 12:15	14.78	172.3	11.36	6.784	29.08	0
11/6/21 12:30	15.9	185.6	10.31	7.117	29.09	0
11/6/21 12:45	14.46	186	10.77	7.148	29.09	0
11/6/21 13:00	14.93	187.8	12.77	6.905	29.09	0
11/6/21 13:15	14.03	178.9	10.42	6.897	29.09	0
11/6/21 13:30	15.68	170.6	10.71	7.017	29.09	0
11/6/21 13:45	15.19	165.8	10.14	7.224	29.09	0
11/6/21 14:00	15.55	174.1	10.34	7.431	29.1	0
11/6/21 14:15	14.57	168.9	11.18	7.04	29.1	0
11/6/21 14:30	11.65	176.5	19.77	6.729	29.1	0
11/6/21 14:45	16.7	221.4	16.88	5.463	29.11	0
11/6/21 15:00	12.41	173.3	24.11	4.311	29.11	0
11/6/21 15:15	10.67	152.1	12.2	4.098	29.11	0
11/6/21 15:30	11.13	150.4	12.75	4.385	29.11	0
11/6/21 15:45	10.61	147.2	11.13	4.431	29.12	0
11/6/21 16:00	9.45	135.2	11.25	4.131	29.12	0
11/6/21 16:15	10.08	123.3	10.01	3.934	29.12	0
11/6/21 16:30	10.69	130.8	10.12	3.991	29.12	0
11/6/21 16:45	9.07	136.5	8.23	4.137	29.12	0
11/6/21 17:00	6.527	134.4	8.02	4.095	29.12	0
11/6/21 17:15	6.819	141.8	11.31	4.128	29.12	0
11/6/21 17:30	5.042	131.1	11.24	4.198	29.12	0
11/6/21 17:45	5.971	131.9	9.05	4.342	29.13	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/6/21 18:00	7.654	140.8	10.58	4.54	29.13	0
11/6/21 18:15	9.36	148.3	8.39	4.77	29.13	0
11/6/21 18:30	10.12	156	7.891	4.83	29.13	0
11/6/21 18:45	8.41	157.1	8	4.775	29.14	0
11/6/21 19:00	5.65	174	7.46	4.806	29.14	0
11/6/21 19:15	4	158.2	17.66	4.716	29.14	0
11/6/21 19:30	4.881	138.6	8.23	4.571	29.14	0
11/6/21 19:45	6.92	148.7	5.017	4.629	29.15	0
11/6/21 20:00	6.03	184.6	19.87	4.828	29.16	0
11/6/21 20:15	5.912	195.3	12.23	4.801	29.16	0
11/6/21 20:30	8.06	184.5	12.98	4.774	29.16	0
11/6/21 20:45	11.3	178.7	10.97	4.925	29.16	0
11/6/21 21:00	12.36	174.7	9.63	4.813	29.17	0
11/6/21 21:15	11.14	158.1	10.74	4.543	29.17	0
11/6/21 21:30	7.944	144.5	9.1	4.362	29.18	0
11/6/21 21:45	7.75	147.1	6.481	4.355	29.18	0
11/6/21 22:00	8.7	164.1	13.11	4.49	29.19	0
11/6/21 22:15	8.35	178.5	8.41	4.75	29.19	0
11/6/21 22:30	5.768	153.5	14.44	4.518	29.2	0
11/6/21 22:45	7.73	170.5	7.749	4.632	29.2	0
11/6/21 23:00	7.471	153.8	7.873	4.526	29.2	0
11/6/21 23:15	7.151	148.7	8.4	4.592	29.2	0
11/6/21 23:30	5.192	139.8	8.58	4.593	29.2	0
11/6/21 23:45	5.617	138.6	7.307	4.57	29.2	0
11/7/21 0:00	6.851	141.5	6.792	4.586	29.2	0
11/7/21 0:15	8.24	143	7.229	4.879	29.19	0
11/7/21 0:30	9.82	155.9	9	5.055	29.2	0
11/7/21 0:45	10.72	183.4	11.05	4.94	29.21	0
11/7/21 1:00	14.56	199.4	9.57	4.663	29.21	0
11/7/21 1:15	11.88	198.1	8.26	4.354	29.21	0
11/7/21 1:30	12.71	191.6	13.28	3.773	29.21	0
11/7/21 1:45	5.308	149	26.55	3.467	29.21	0
11/7/21 2:00	4.307	106.3	9.11	3.291	29.21	0
11/7/21 2:15	6.107	112	9.06	3.362	29.21	0
11/7/21 2:30	5.798	134.9	14.42	3.539	29.21	0
11/7/21 2:45	6.252	138.5	11.38	3.761	29.21	0
11/7/21 3:00	6.175	130.6	8.97	3.846	29.21	0
11/7/21 3:15	5.744	131.5	7.384	3.869	29.21	0
11/7/21 3:30	6.282	139	8.12	4.035	29.21	0
11/7/21 3:45	6.191	138.8	12.51	4.092	29.21	0
11/7/21 4:00	8.55	151.1	13.89	4.355	29.21	0
11/7/21 4:15	6.93	136.3	7.595	4.447	29.21	0
11/7/21 4:30	8.24	143.3	6.708	4.405	29.21	0
11/7/21 4:45	9.72	148	6.229	4.438	29.21	0
11/7/21 5:00	10.78	149.7	7.067	4.679	29.21	0
11/7/21 5:15	7.124	136.6	11.52	4.515	29.21	0
11/7/21 5:30	6.459	130.9	7.44	4.511	29.21	0
11/7/21 5:45	8.25	139.1	8.21	4.721	29.21	0
11/7/21 6:00	7.805	143.3	8.5	4.949	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
11/7/21 6:15	9.13	155	6.661	4.994	29.21	0
11/7/21 6:30	10.18	167.1	10.96	5.07	29.22	0
11/7/21 6:45	14.54	189.7	10.8	4.668	29.22	0
11/7/21 7:00	12	186.9	15.33	3.993	29.23	0
11/7/21 7:15	8.4	158.2	9.63	3.713	29.23	0
11/7/21 7:30	8.66	159.7	10.15	3.724	29.23	0
11/7/21 7:45	8.97	155.3	6.614	3.825	29.24	0
11/7/21 8:00	9.27	146.9	9.88	3.834	29.24	0
11/7/21 8:15	8.54	134.2	10.22	3.923	29.24	0
11/7/21 8:30	9.81	128.3	9.15	3.8	29.23	0
11/7/21 8:45	11.03	129.9	9.21	3.575	29.23	0
11/7/21 9:00	11.56	136.3	7.884	3.675	29.23	0
11/7/21 9:15	12.1	136.6	9.53	4.115	29.23	0
11/7/21 9:30	11.54	134.4	8.78	4.377	29.23	0
11/7/21 9:45	9.76	133.5	9.69	4.495	29.23	0
11/7/21 10:00	9.58	131.1	9.29	5.306	29.23	0
11/7/21 10:15	8.67	131.3	9.79	6.252	29.23	0
11/7/21 10:30	9.35	146.7	13.11	6.906	29.22	0
11/7/21 10:45	10.32	155.5	9.39	7.014	29.22	0
11/7/21 11:00	10.71	160.2	11.06	7.653	29.21	0
11/7/21 11:15	12.02	169.8	11.53	7.486	29.21	0
11/7/21 11:30	12.34	175.9	11.35	7.432	29.2	0
11/7/21 11:45	13.93	181.9	10.03	7.409	29.2	0
11/7/21 12:00	13.61	188.9	9.45	7.336	29.2	0
11/7/21 12:15	13.28	188.9	9.11	7.377	29.2	0
11/7/21 12:30	14.1	184.1	8.81	7.285	29.2	0
11/7/21 12:45	18.06	194.9	9.63	6.987	29.2	0
11/7/21 13:00	22.22	196.4	9.27	6.357	29.21	0
11/7/21 13:15	17.58	193	10.25	5.593	29.22	0
11/7/21 13:30	14.32	188.2	12.26	5.503	29.22	0
11/7/21 13:45	12.9	177.2	9.11	5.732	29.22	0
11/7/21 14:00	12.69	176.2	8.76	5.851	29.22	0
11/7/21 14:15	10.65	173.8	9.7	5.868	29.22	0
11/7/21 14:30	11.93	186.9	11.7	5.76	29.23	0
11/7/21 14:45	13.14	203.7	9.51	5.73	29.23	0
11/7/21 15:00	13.28	217.5	7.84	5.473	29.24	0
11/7/21 15:15	14.66	204.3	9.48	5.284	29.24	0
11/7/21 15:30	15.76	196.5	12.72	4.874	29.24	0
11/7/21 15:45	13.86	187.4	15.32	4.246	29.23	0
11/7/21 16:00	11.67	160.6	9.57	3.975	29.23	0
11/7/21 16:15	8.95	149.4	9.17	3.832	29.23	0
11/7/21 16:30	9.84	145.6	6.149	3.79	29.23	0
11/7/21 16:45	6.789	139.8	9.03	3.739	29.23	0
11/7/21 17:00	4.825	128.7	9.31	3.705	29.24	0
11/7/21 17:15	6.157	120.8	10.78	3.756	29.23	0
11/7/21 17:30	6.288	114.6	9.22	3.806	29.23	0
11/7/21 17:45	7.52	122.8	8.21	4.026	29.23	0
11/7/21 18:00	7.789	129.2	7.793	4.332	29.24	0
11/7/21 18:15	7.586	133.7	8.28	4.53	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/7/21 18:30	7.815	136	11	4.775	29.24	0
11/7/21 18:45	7.608	143.4	10.45	4.861	29.25	0
11/7/21 19:00	6.533	157.5	15.98	4.889	29.25	0
11/7/21 19:15	6.781	190.6	7.294	4.829	29.26	0
11/7/21 19:30	5.777	181.1	8.23	4.778	29.26	0
11/7/21 19:45	6.769	163.8	10.59	4.705	29.26	0
11/7/21 20:00	4.996	166.2	7.056	4.567	29.26	0
11/7/21 20:15	3.479	144.7	9.54	4.335	29.26	0
11/7/21 20:30	4.289	142.3	9.05	4.297	29.26	0
11/7/21 20:45	6.685	153.5	10.41	4.416	29.27	0
11/7/21 21:00	4.304	145.8	17.51	4.579	29.27	0
11/7/21 21:15	5.032	139.8	11.27	4.389	29.27	0
11/7/21 21:30	6.015	142.4	8.68	4.431	29.28	0
11/7/21 21:45	6.23	138.1	9.6	4.645	29.28	0
11/7/21 22:00	5.645	136	12.07	4.918	29.28	0
11/7/21 22:15	5.304	132.5	10.07	4.979	29.29	0
11/7/21 22:30	6.116	140.6	8.43	5.008	29.29	0
11/7/21 22:45	6.385	143.2	9.35	5.073	29.29	0
11/7/21 23:00	6.789	145.2	7.404	5.064	29.29	0
11/7/21 23:15	5.781	139.8	7.209	5.139	29.29	0
11/7/21 23:30	6.088	136.2	7.301	5.199	29.29	0
11/7/21 23:45	6.354	139.9	7.81	5.302	29.29	0
11/8/21 0:00	5.534	138.7	6.976	5.312	29.29	0
11/8/21 0:15	5.62	143.5	7.299	5.495	29.29	0
11/8/21 0:30	6.329	150.2	4.577	5.47	29.29	0
11/8/21 0:45	6.343	151	5.562	5.502	29.29	0
11/8/21 1:00	5.881	154.4	4.555	5.361	29.28	0
11/8/21 1:15	5.781	159.7	4.779	5.244	29.28	0
11/8/21 1:30	5.348	158.8	6.349	5.448	29.29	0
11/8/21 1:45	6.106	158	6.258	5.432	29.29	0
11/8/21 2:00	5.81	148.6	4.631	5.132	29.29	0
11/8/21 2:15	6.981	149.5	4.636	5.177	29.29	0
11/8/21 2:30	7.407	159.4	5.122	5.176	29.29	0
11/8/21 2:45	7.208	153.4	3.945	5.061	29.29	0
11/8/21 3:00	6.35	142	6.701	5.056	29.29	0
11/8/21 3:15	5.828	138.8	7.405	5.205	29.28	0
11/8/21 3:30	4.807	137.1	7.888	5.149	29.28	0
11/8/21 3:45	5.138	138.1	6.599	5.238	29.28	0
11/8/21 4:00	5.633	134.9	7.263	5.345	29.28	0
11/8/21 4:15	5.881	141.5	8.57	5.784	29.28	0
11/8/21 4:30	5.787	143.2	7.056	5.544	29.28	0
11/8/21 4:45	6.394	134.8	6.405	5.585	29.27	0
11/8/21 5:00	6.836	133.9	6.121	5.793	29.27	0
11/8/21 5:15	6.693	133.1	8.41	5.864	29.27	0
11/8/21 5:30	6.342	141.6	10.1	5.701	29.27	0
11/8/21 5:45	6.26	135.2	9.28	5.346	29.27	0
11/8/21 6:00	5.728	133.7	9.15	5.464	29.27	0
11/8/21 6:15	6.36	133.4	8.13	5.28	29.27	0
11/8/21 6:30	6.581	131.8	8.69	5.255	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
11/8/21 6:45	5.993	137.7	11.48	5.327	29.27	0
11/8/21 7:00	6.306	117.3	12.82	5.219	29.26	0
11/8/21 7:15	7.722	122.5	11.76	5.386	29.26	0
11/8/21 7:30	7.124	129.7	12.31	5.553	29.26	0
11/8/21 7:45	5.899	139.2	13.66	5.683	29.26	0
11/8/21 8:00	5.475	142.5	15.9	5.821	29.26	0
11/8/21 8:15	6.107	121.5	15.9	6.082	29.25	0
11/8/21 8:30	8.16	121.4	13.7	6.589	29.25	0
11/8/21 8:45	10.61	122.3	11.09	6.988	29.24	0
11/8/21 9:00	11.66	122.4	11.99	7.453	29.23	0
11/8/21 9:15	12.56	126	11.31	7.738	29.23	0
11/8/21 9:30	13.17	121.6	11.96	7.966	29.22	0
11/8/21 9:45	12.8	120.2	12.42	8.3	29.21	0
11/8/21 10:00	11.08	125.2	12.74	8.72	29.2	0
11/8/21 10:15	11.92	123.1	12.86	8.94	29.2	0
11/8/21 10:30	12.44	122.7	11.48	9.26	29.19	0
11/8/21 10:45	12.79	125.2	11.79	9.26	29.19	0
11/8/21 11:00	12.2	118.9	14	9.71	29.18	0
11/8/21 11:15	8.07	113.5	16.3	10.23	29.17	0
11/8/21 11:30	10.91	124.4	12.38	10.36	29.16	0
11/8/21 11:45	13.26	130.7	11.44	10.45	29.15	0
11/8/21 12:00	11.58	130.3	10.47	10.66	29.14	0
11/8/21 12:15	11.57	137.5	10.61	10.94	29.13	0
11/8/21 12:30	9.39	130.6	16.04	11.17	29.13	0
11/8/21 12:45	12.17	128.6	13.79	11.27	29.12	0
11/8/21 13:00	12.33	126.9	12.03	11.25	29.11	0
11/8/21 13:15	12.3	126.6	13.52	11.41	29.1	0
11/8/21 13:30	11.91	126.5	13.43	11.39	29.1	0
11/8/21 13:45	10.12	121.3	13.63	11.24	29.08	0
11/8/21 14:00	12.22	124	16.36	11.14	29.07	0
11/8/21 14:15	12.93	129.8	12.62	11.24	29.07	0
11/8/21 14:30	11.76	130.2	11.42	11.46	29.06	0
11/8/21 14:45	14.24	127.6	12.58	11.51	29.05	0
11/8/21 15:00	13.4	125.5	13.68	11.36	29.04	0
11/8/21 15:15	13.26	121.7	11.59	11.15	29.03	0
11/8/21 15:30	13.36	122.5	15.31	10.88	29.01	0
11/8/21 15:45	11.97	113.8	13.23	10.69	29	0
11/8/21 16:00	10.46	116.5	14.29	10.51	28.99	0
11/8/21 16:15	10.79	110.9	13.83	10.39	28.98	0
11/8/21 16:30	14.25	118.6	12.58	10.3	28.96	0
11/8/21 16:45	16.4	121.3	12.61	10.38	28.95	0
11/8/21 17:00	16.37	123.1	13.38	10.31	28.94	0
11/8/21 17:15	17.14	122.6	12.09	10.37	28.93	0
11/8/21 17:30	18.12	125.9	13.8	10.48	28.93	0
11/8/21 17:45	17.53	129.8	11.95	10.48	28.93	0
11/8/21 18:00	16.6	131.4	11.3	10.35	28.93	0
11/8/21 18:15	18.48	124.8	12.63	10.26	28.93	0
11/8/21 18:30	18.72	127.3	11.17	10.25	28.92	0
11/8/21 18:45	17.42	120.7	13.38	10.3	28.91	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/8/21 19:00	19.57	117.2	12.52	10.54	28.9	0
11/8/21 19:15	17.1	116.2	17.77	10.62	28.89	0
11/8/21 19:30	16.23	116.6	12.68	10.55	28.88	0
11/8/21 19:45	17.82	110	13.97	10.63	28.87	0
11/8/21 20:00	21.16	108.8	13.37	10.62	28.85	0
11/8/21 20:15	19.57	108.6	14.48	10.79	28.82	0
11/8/21 20:30	19.76	106.5	14.79	10.91	28.81	0
11/8/21 20:45	21.55	109.1	16.06	10.97	28.79	0
11/8/21 21:00	25.88	116.1	15.1	11.31	28.78	0
11/8/21 21:15	23.72	109.1	14.09	11.51	28.77	0
11/8/21 21:30	21.12	112.5	13.85	11.45	28.76	0
11/8/21 21:45	17.89	114.5	11.8	11.44	28.75	0
11/8/21 22:00	20.45	113.8	13.58	11.77	28.73	0
11/8/21 22:15	18.48	117.1	12.77	11.84	28.73	0
11/8/21 22:30	19.52	118.1	13.99	11.87	28.72	0
11/8/21 22:45	20.92	119.6	11.34	11.85	28.71	0
11/8/21 23:00	21.95	112.4	12.38	11.88	28.7	0
11/8/21 23:15	19.33	110	14.25	12.02	28.68	0
11/8/21 23:30	20.06	117.5	12.15	12.25	28.67	0
11/8/21 23:45	19.06	120.3	13.29	12.24	28.67	0
11/9/21 0:00	17.85	119.9	13.84	12.14	28.67	0
11/9/21 0:15	22.12	135.2	14.71	11.92	28.67	0
11/9/21 0:30	20.44	136.5	13.01	10.91	28.67	0
11/9/21 0:45	19.52	135	12.51	10.51	28.67	0
11/9/21 1:00	19.54	130.5	13.56	10	28.66	0
11/9/21 1:15	22.63	116.9	11.13	9.26	28.65	0
11/9/21 1:30	20.3	116.9	11.82	8.3	28.64	0
11/9/21 1:45	19.34	115	12.24	7.788	28.64	0
11/9/21 2:00	20.67	109.8	12.84	7.468	28.64	0
11/9/21 2:15	21.72	110.1	11.26	7.195	28.64	0
11/9/21 2:30	20.55	106.4	12.34	7.08	28.63	0
11/9/21 2:45	20.98	108.9	11.1	7.044	28.63	0
11/9/21 3:00	19.28	111.6	12.24	7.055	28.62	0
11/9/21 3:15	18.62	111.7	10.86	6.89	28.62	0
11/9/21 3:30	19.24	111.9	11.14	6.818	28.62	0
11/9/21 3:45	21.4	113.5	10.87	6.936	28.61	0
11/9/21 4:00	19.93	112.6	10.83	7.107	28.61	0
11/9/21 4:15	20.44	112.2	11.26	7.275	28.61	0
11/9/21 4:30	20.65	117.5	10.14	7.785	28.61	0
11/9/21 4:45	19.44	119.1	10.12	8.09	28.61	0
11/9/21 5:00	17.93	120.1	11.54	8.35	28.62	0
11/9/21 5:15	16.68	120.7	9.18	8.45	28.63	0
11/9/21 5:30	15.07	123.1	9.44	8.76	28.65	0
11/9/21 5:45	14	135.8	11.04	8.74	28.67	0
11/9/21 6:00	12.99	165.6	12.79	8.62	28.69	0
11/9/21 6:15	29.01	204.5	11.23	9.16	28.71	0
11/9/21 6:30	29.78	221.9	8.7	8.02	28.76	0
11/9/21 6:45	24.36	215.2	11	7.535	28.78	0
11/9/21 7:00	17.86	204.4	9.86	7.252	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
11/9/21 7:15	17.33	192.9	9.16	7.034	28.84	0
11/9/21 7:30	15.9	194.9	9.53	7.032	28.87	0
11/9/21 7:45	14.77	204.3	9.78	7.019	28.89	0
11/9/21 8:00	14.78	207.6	9.58	7.029	28.91	0
11/9/21 8:15	12.39	199.4	7.897	6.863	28.94	0
11/9/21 8:30	11	189.9	9.61	6.919	28.96	0
11/9/21 8:45	11.92	203.3	15.01	6.981	28.98	0
11/9/21 9:00	13.9	224.6	8.75	6.896	28.99	0
11/9/21 9:15	8.27	208.8	10.32	7.265	29	0
11/9/21 9:30	8	202.8	11.41	7.73	29	0
11/9/21 9:45	11.46	195.3	8.9	8	29.01	0
11/9/21 10:00	11.79	199.6	12.98	8.26	29.01	0
11/9/21 10:15	12.3	189.4	13.57	8.66	29.02	0
11/9/21 10:30	13.86	190.2	9.55	8.71	29.03	0
11/9/21 10:45	15.92	198.5	10.32	8.86	29.03	0
11/9/21 11:00	16.72	192.3	9.48	8.95	29.03	0
11/9/21 11:15	19.25	201.3	10.56	8.93	29.03	0
11/9/21 11:30	23.25	203.4	8.31	8.73	29.03	0
11/9/21 11:45	22.01	205.9	11.66	9.33	29.03	0
11/9/21 12:00	19.34	201.7	8.91	9.38	29.04	0
11/9/21 12:15	14.33	201	10.92	9.42	29.07	0
11/9/21 12:30	17.74	205.2	13.31	9.42	29.08	0
11/9/21 12:45	17.79	200.1	13.48	9.25	29.07	0
11/9/21 13:00	19.47	199.8	9.37	9.24	29.07	0
11/9/21 13:15	17.53	199.5	9.37	9.28	29.08	0
11/9/21 13:30	17.33	194.2	10.66	9.52	29.09	0
11/9/21 13:45	17.57	201.4	10.82	9.5	29.1	0
11/9/21 14:00	15.66	199.1	9.44	9.49	29.1	0
11/9/21 14:15	16.55	193.3	11.34	9.47	29.1	0
11/9/21 14:30	23.72	235.4	14.94	8.62	29.11	0
11/9/21 14:45	16.69	240.8	8.96	7.06	29.14	0
11/9/21 15:00	17.94	221.6	19.91	6.211	29.16	0
11/9/21 15:15	11.12	184.8	12.09	5.749	29.17	0
11/9/21 15:30	8.46	153.4	14.37	5.817	29.17	0
11/9/21 15:45	9.12	148.9	9.87	5.857	29.17	0
11/9/21 16:00	4.598	147.4	16.85	6.026	29.17	0
11/9/21 16:15	8.23	203.7	43.27	6.146	29.18	0
11/9/21 16:30	10.07	276.5	9.08	4.802	29.19	0
11/9/21 16:45	6.112	267.3	23.03	4.754	29.2	0
11/9/21 17:00	3.522	127.7	42.31	4.775	29.2	0
11/9/21 17:15	5.493	154	23.86	4.828	29.2	0
11/9/21 17:30	6.576	188.8	15.26	5.53	29.21	0
11/9/21 17:45	9.14	189.7	13.54	5.797	29.22	0
11/9/21 18:00	12.2	197.8	11.6	5.85	29.23	0
11/9/21 18:15	14.36	191.9	13.16	5.77	29.23	0
11/9/21 18:30	14.67	186.8	10.38	5.539	29.24	0
11/9/21 18:45	14.11	177.7	10.95	5.384	29.24	0
11/9/21 19:00	12.53	177.2	10.6	5.1	29.25	0
11/9/21 19:15	10.98	183.2	11.06	4.976	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
11/9/21 19:30	8.4	179.3	8.88	5.029	29.27	0
11/9/21 19:45	9.17	176.2	12.21	5.017	29.28	0
11/9/21 20:00	9.67	178.1	10.36	5.075	29.29	0
11/9/21 20:15	8.58	166	8.55	4.903	29.29	0
11/9/21 20:30	10.25	164.8	8.25	4.854	29.29	0
11/9/21 20:45	8.87	161.5	11.18	4.931	29.3	0
11/9/21 21:00	9.31	156.8	8.48	4.84	29.3	0
11/9/21 21:15	9.69	157.9	8.12	4.855	29.31	0
11/9/21 21:30	9.59	156.5	8.12	4.711	29.32	0
11/9/21 21:45	7.389	147.4	10.29	4.689	29.33	0
11/9/21 22:00	7.51	145.9	12.28	4.669	29.33	0
11/9/21 22:15	5.676	143.9	25.11	4.654	29.34	0
11/9/21 22:30	5.64	115.2	17.02	4.66	29.35	0
11/9/21 22:45	6.508	122	12.68	4.659	29.35	0
11/9/21 23:00	7.273	131.4	10.44	4.677	29.35	0
11/9/21 23:15	6.439	137.1	8.82	4.657	29.36	0
11/9/21 23:30	5.862	136	7.511	4.608	29.36	0
11/9/21 23:45	5.362	135	9.58	4.556	29.37	0
11/10/21 0:00	7.197	134	8.66	4.562	29.37	0
11/10/21 0:15	5.197	116.1	11.22	4.521	29.38	0
11/10/21 0:30	6.641	121.3	9.24	4.92	29.39	0
11/10/21 0:45	7.062	128.6	8.78	5.129	29.39	0
11/10/21 1:00	6.766	134.6	11.54	5.24	29.39	0
11/10/21 1:15	6.611	128.5	10.41	5.477	29.4	0
11/10/21 1:30	6.254	139.3	11.82	5.583	29.4	0
11/10/21 1:45	7.167	135.8	9.6	5.433	29.4	0
11/10/21 2:00	6.562	159.4	15.58	5.212	29.4	0
11/10/21 2:15	5.413	142.7	12.82	4.986	29.41	0
11/10/21 2:30	4.238	119.7	12.53	4.76	29.41	0
11/10/21 2:45	5.08	133	13.34	4.766	29.4	0
11/10/21 3:00	8.44	154.6	8.48	5.029	29.41	0
11/10/21 3:15	7.797	156.9	12.13	5.196	29.41	0
11/10/21 3:30	7.197	145.1	8.03	5.06	29.41	0
11/10/21 3:45	6.029	138	8.45	4.98	29.41	0
11/10/21 4:00	5.593	126.1	9.14	5.027	29.42	0
11/10/21 4:15	5.621	132.2	6.587	5.189	29.42	0
11/10/21 4:30	6.47	141.3	8.27	5.235	29.43	0
11/10/21 4:45	7.168	141.1	7.368	5.329	29.43	0
11/10/21 5:00	6.595	146.7	7.961	5.409	29.43	0
11/10/21 5:15	6.55	148.5	8.72	5.554	29.43	0
11/10/21 5:30	5.554	147.8	7.448	5.395	29.44	0
11/10/21 5:45	4.504	136.6	10.7	5.334	29.44	0
11/10/21 6:00	4.172	121.9	7.167	5.395	29.44	0
11/10/21 6:15	4.994	127.4	10.84	5.482	29.44	0
11/10/21 6:30	5.062	148.4	6.146	5.453	29.45	0
11/10/21 6:45	5.273	140.9	8.13	5.582	29.45	0
11/10/21 7:00	5.814	149.8	8.33	5.85	29.45	0
11/10/21 7:15	4.98	169.1	14.81	5.726	29.45	0
11/10/21 7:30	5.219	177.6	8.59	5.836	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
11/10/21 7:45	5.118	173.1	11.19	5.797	29.46	0
11/10/21 8:00	2.798	140.1	19.96	5.521	29.46	0
11/10/21 8:15	2.517	130.7	9.84	5.697	29.47	0
11/10/21 8:30	4.15	134	6.123	6.08	29.47	0
11/10/21 8:45	4.091	123.4	16.68	6.528	29.47	0
11/10/21 9:00	3.716	121.7	12.52	6.711	29.48	0
11/10/21 9:15	3.667	134.2	8.89	7.079	29.48	0
11/10/21 9:30	2.642	112.1	11.29	7.552	29.48	0
11/10/21 9:45	3.042	125	15.15	8.39	29.49	0
11/10/21 10:00	4.608	133.6	17.07	8.47	29.48	0
11/10/21 10:15	5.168	134	15.4	8.96	29.48	0
11/10/21 10:30	5.582	132.1	16.67	9.23	29.48	0
11/10/21 10:45	5.787	171.1	21.09	9.32	29.48	0
11/10/21 11:00	6.902	192.6	11.2	9.4	29.48	0
11/10/21 11:15	6.059	189.4	18.47	9.64	29.48	0
11/10/21 11:30	5.988	176.9	24.85	9.9	29.47	0
11/10/21 11:45	5.892	182.9	29.66	10.12	29.47	0
11/10/21 12:00	6.544	174.5	17.62	10.3	29.46	0
11/10/21 12:15	4.61	186.1	20.97	10.19	29.46	0
11/10/21 12:30	4.432	174.1	35.11	10.36	29.45	0
11/10/21 12:45	5.471	184	32.33	10.71	29.45	0
11/10/21 13:00	4.382	157.4	24.8	10.65	29.44	0
11/10/21 13:15	4.502	219.7	15.08	10.26	29.44	0
11/10/21 13:30	3.021	225.9	36.87	10.48	29.45	0
11/10/21 13:45	2.045	199.5	48.58	10.53	29.46	0
11/10/21 14:00	2.616	229	35.98	10.4	29.46	0
11/10/21 14:15	2.712	262.3	22.9	10.43	29.46	0
11/10/21 14:30	0.964	315	27.76	10.66	29.45	0
11/10/21 14:45	1.253	16.03	48.14	10.66	29.44	0
11/10/21 15:00	2.687	84.4	11.51	10.4	29.43	0
11/10/21 15:15	2.61	84.7	10.5	9.97	29.43	0
11/10/21 15:30	2.222	72.92	8.46	9.76	29.43	0
11/10/21 15:45	2.849	57.87	18.17	9.6	29.43	0
11/10/21 16:00	3.435	17.24	9.28	8.9	29.43	0
11/10/21 16:15	2.786	44.62	7.348	8.49	29.43	0
11/10/21 16:30	3.272	40.7	5.243	8.27	29.42	0
11/10/21 16:45	3.519	32.82	8.63	8.02	29.42	0
11/10/21 17:00	3.221	35.36	10.47	7.861	29.41	0
11/10/21 17:15	3.113	87.5	16.96	7.701	29.4	0
11/10/21 17:30	4.375	106.2	9.41	7.628	29.39	0
11/10/21 17:45	5.177	109.9	11	7.326	29.38	0
11/10/21 18:00	6.178	139.9	12.67	7.789	29.39	0
11/10/21 18:15	7.1	112.4	11.82	7.796	29.37	0
11/10/21 18:30	6.115	120.4	10.83	7.482	29.37	0
11/10/21 18:45	6.018	121.1	12.94	7.904	29.37	0
11/10/21 19:00	6.91	115.5	12.26	8.07	29.36	0
11/10/21 19:15	5.347	99.3	16.39	7.954	29.36	0
11/10/21 19:30	5.389	105.2	15.86	8.22	29.36	0
11/10/21 19:45	4.231	117	17.43	8.4	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
11/10/21 20:00	4.061	124.2	30.15	8.15	29.36	0
11/10/21 20:15	4.814	56.65	23.98	6.963	29.35	0
11/10/21 20:30	5.309	83.8	16.17	7.163	29.35	0
11/10/21 20:45	5.694	62.85	17.53	6.826	29.34	0
11/10/21 21:00	5.028	59.43	13.68	7.335	29.34	0
11/10/21 21:15	4.14	120.2	25.32	8	29.34	0
11/10/21 21:30	3.837	185.5	22.13	7.859	29.33	0
11/10/21 21:45	7.367	132.5	20.73	7.741	29.32	0
11/10/21 22:00	10.64	123.6	12.5	8.13	29.32	0
11/10/21 22:15	13.03	131.7	11.83	8.49	29.31	0
11/10/21 22:30	12.01	131	12.87	8.56	29.31	0
11/10/21 22:45	7.932	129.4	13.77	8.35	29.31	0
11/10/21 23:00	10.09	129.3	8.92	7.932	29.3	0
11/10/21 23:15	10.02	124.5	10.74	7.554	29.29	0
11/10/21 23:30	13.5	132.2	10.2	7.584	29.28	0
11/10/21 23:45	15.3	133.2	9.72	7.625	29.27	0
11/11/21 0:00	14.2	132.5	10.92	7.605	29.27	0
11/11/21 0:15	10.45	125.4	13.6	7.086	29.28	0
11/11/21 0:30	6.837	116.6	18.46	6.972	29.28	0
11/11/21 0:45	8.18	114.9	18.75	7.091	29.27	0
11/11/21 1:00	7.009	108.1	20.31	6.955	29.27	0
11/11/21 1:15	12.82	134.8	12.66	7.483	29.28	0
11/11/21 1:30	12.58	135.9	11.99	7.465	29.28	0
11/11/21 1:45	11.2	138	10.88	7.327	29.28	0
11/11/21 2:00	12.05	132.6	11.18	7.209	29.28	0
11/11/21 2:15	12.01	133.2	10.28	7.438	29.28	0
11/11/21 2:30	12.33	138.3	11.24	7.689	29.28	0
11/11/21 2:45	13.8	137.9	10.62	7.759	29.28	0
11/11/21 3:00	11.59	137.5	11.15	7.698	29.28	0
11/11/21 3:15	11.03	132.3	10.69	7.696	29.28	0
11/11/21 3:30	7.521	133.1	14.47	7.98	29.28	0
11/11/21 3:45	2.446	103.4	20.27	8.09	29.29	0
11/11/21 4:00	2.449	103.2	35.13	8.14	29.29	0
11/11/21 4:15	2.051	141.9	64.72	7.845	29.29	0
11/11/21 4:30	3.22	157	23.15	8.11	29.29	0
11/11/21 4:45	2.81	136.4	22.11	8.28	29.29	0
11/11/21 5:00	3.05	132.4	15.45	8.36	29.29	0
11/11/21 5:15	4.259	121.1	17.99	8.6	29.29	0
11/11/21 5:30	2.646	125.5	23.46	8.9	29.3	0
11/11/21 5:45	1.866	73.73	37.21	8.72	29.3	0
11/11/21 6:00	2.387	117.6	42.36	8.27	29.3	0
11/11/21 6:15	3.191	134.9	19.46	8.46	29.31	0
11/11/21 6:30	2.419	125.2	18.02	8.26	29.31	0
11/11/21 6:45	3.048	119.2	24.8	8.38	29.31	0
11/11/21 7:00	3.23	95.4	11.65	8.22	29.3	0
11/11/21 7:15	3.562	137	13.01	8.47	29.3	0
11/11/21 7:30	4.669	163.9	16.32	8.92	29.31	0
11/11/21 7:45	3.564	142.9	23.29	8.98	29.31	0
11/11/21 8:00	3.033	127.9	22.49	8.75	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
11/11/21 8:15	4.72	168.5	13.38	9.4	29.31	0
11/11/21 8:30	4.174	188.1	16.98	9.24	29.32	0
11/11/21 8:45	3.77	174.6	19.1	9.17	29.32	0
11/11/21 9:00	2.697	143.4	21.43	9.06	29.33	0
11/11/21 9:15	4.914	103.5	10.68	8.95	29.32	0
11/11/21 9:30	6.508	135	14.79	9.55	29.32	0
11/11/21 9:45	5.537	175.2	17.09	9.91	29.32	0
11/11/21 10:00	4.154	156.1	24.63	10.03	29.33	0
11/11/21 10:15	3.636	96.9	36.17	10.16	29.33	0
11/11/21 10:30	1.995	77.35	17.37	10.16	29.34	0
11/11/21 10:45	4.986	110.9	11.37	10.24	29.33	0
11/11/21 11:00	5.933	156.3	15.95	10.6	29.32	0
11/11/21 11:15	6.323	152.1	9.55	10.7	29.32	0
11/11/21 11:30	7.23	155.9	10.03	10.98	29.32	0
11/11/21 11:45	8.95	155.9	9.58	10.86	29.32	0
11/11/21 12:00	8.24	145.5	10.6	10.89	29.31	0
11/11/21 12:15	9	139.9	11.85	10.67	29.31	0
11/11/21 12:30	8.28	132.3	13.03	10.6	29.3	0
11/11/21 12:45	9.87	153.4	10.51	10.45	29.3	0
11/11/21 13:00	8.96	129.4	10.97	10.21	29.29	0
11/11/21 13:15	11.88	126.1	10.94	10.24	29.29	0
11/11/21 13:30	8.32	146.1	16.84	10.48	29.28	0
11/11/21 13:45	8.47	173.6	20.72	9.99	29.29	0
11/11/21 14:00	5.178	129.9	17.34	9.76	29.3	0
11/11/21 14:15	8.26	133.5	11.64	9.94	29.3	0
11/11/21 14:30	8.64	150.3	15.45	9.98	29.3	0
11/11/21 14:45	13.28	129.7	9.99	9.99	29.28	0
11/11/21 15:00	14.7	131.9	11.23	9.92	29.27	0
11/11/21 15:15	14.57	134.7	10.41	10.05	29.27	0
11/11/21 15:30	15.77	135.4	10.36	10.34	29.25	0
11/11/21 15:45	13.79	134.2	11.11	10.55	29.25	0
11/11/21 16:00	12.59	139.1	12.92	10.71	29.25	0
11/11/21 16:15	10.37	146.3	13.24	10.91	29.25	0
11/11/21 16:30	10.59	148.6	9.79	11.05	29.24	0
11/11/21 16:45	11.25	146.5	10.36	10.91	29.24	0
11/11/21 17:00	9.43	154.6	17.43	10.59	29.25	0
11/11/21 17:15	9.94	146.2	11.55	10.18	29.26	0
11/11/21 17:30	10.41	131.8	13.3	10.2	29.26	0
11/11/21 17:45	15.06	124.3	9.78	10.57	29.23	0
11/11/21 18:00	15.13	132.9	11.19	11.05	29.21	0
11/11/21 18:15	15.47	136	10.16	10.97	29.21	0
11/11/21 18:30	13.37	145.8	11.8	10.97	29.22	0
11/11/21 18:45	12.95	154.4	9.39	10.79	29.22	0
11/11/21 19:00	12.19	143.5	11.27	10.67	29.22	0
11/11/21 19:15	11.01	137.6	11.34	10.76	29.22	0
11/11/21 19:30	9.18	145.2	12.86	10.98	29.22	0
11/11/21 19:45	11.07	142.4	13.1	11.1	29.22	0
11/11/21 20:00	9.64	148.6	11.78	10.7	29.23	0
11/11/21 20:15	10.11	149.9	10.93	10.45	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/11/21 20:30	9.66	140.3	11.26	10.39	29.24	0
11/11/21 20:45	10.05	144.3	12.53	10.52	29.24	0
11/11/21 21:00	10.19	142.9	11.99	10.81	29.24	0
11/11/21 21:15	10.52	144.6	9.93	10.82	29.24	0
11/11/21 21:30	10.65	137.9	9.93	10.59	29.25	0
11/11/21 21:45	11.27	132.2	9.34	10.56	29.25	0
11/11/21 22:00	9.59	140.5	11.54	10.61	29.25	0
11/11/21 22:15	10.84	132.2	11.19	10.68	29.24	0
11/11/21 22:30	11.8	134.2	10.67	10.77	29.24	0
11/11/21 22:45	10.36	135.6	12.02	10.79	29.24	0
11/11/21 23:00	10.28	136.1	11.51	10.96	29.23	0
11/11/21 23:15	9.64	153	15.37	10.73	29.23	0
11/11/21 23:30	10.43	136.1	14.71	10.47	29.23	0
11/11/21 23:45	12.42	137.7	14.74	10.83	29.21	0
11/12/21 0:00	10.07	153.5	10.67	10.59	29.22	0
11/12/21 0:15	10.61	141.3	10.24	10.6	29.22	0
11/12/21 0:30	9.04	154.9	9.97	10.79	29.22	0
11/12/21 0:45	8.43	155.8	12.91	10.97	29.22	0
11/12/21 1:00	6.162	184.9	21.16	10.3	29.23	0
11/12/21 1:15	6.059	181.5	13.63	9.93	29.24	0
11/12/21 1:30	7.041	140.4	11.57	10.37	29.24	0
11/12/21 1:45	8.46	147.5	13.06	10.62	29.24	0
11/12/21 2:00	8.36	146.7	13.6	10.61	29.25	0
11/12/21 2:15	7.88	140.2	14.14	11.25	29.25	0
11/12/21 2:30	5.908	141.8	20.23	11.64	29.25	0
11/12/21 2:45	8.37	140.9	8.97	11.7	29.24	0
11/12/21 3:00	9.91	146.4	11.64	12.1	29.24	0
11/12/21 3:15	6.925	162.6	14.09	12.06	29.25	0
11/12/21 3:30	6.522	165.5	15.7	11.84	29.26	0
11/12/21 3:45	6.381	167.6	13.35	12.09	29.26	0
11/12/21 4:00	8.08	159.6	11.66	12.13	29.25	0
11/12/21 4:15	8.8	151	10.44	12.66	29.24	0
11/12/21 4:30	5.261	148.1	20.12	12.88	29.25	0
11/12/21 4:45	5.128	176.9	8.2	12.65	29.25	0
11/12/21 5:00	5.793	172	10.48	12.45	29.26	0
11/12/21 5:15	8.81	167.9	14.69	12.78	29.26	0
11/12/21 5:30	10.92	185.5	11.28	13.18	29.26	0
11/12/21 5:45	10.49	205.2	11.69	13.34	29.27	0
11/12/21 6:00	9.36	212	8.45	13.49	29.27	0
11/12/21 6:15	10.12	202.8	13.74	13.59	29.26	0
11/12/21 6:30	9.61	213.4	16.87	13.62	29.27	0
11/12/21 6:45	11.58	190.4	14.73	13.72	29.26	0
11/12/21 7:00	11.24	177.3	8.26	13.64	29.26	0
11/12/21 7:15	11.73	195.7	8.42	13.48	29.27	0
11/12/21 7:30	11.78	184.3	9.99	13.55	29.27	0
11/12/21 7:45	10.17	193.3	9.28	13.53	29.27	0
11/12/21 8:00	8.39	186.3	11.23	13.44	29.28	0
11/12/21 8:15	9.03	192.9	11.3	13.37	29.28	0
11/12/21 8:30	11.59	211.3	10.46	13.31	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/12/21 8:45	11.07	218.7	9.93	13.23	29.28	0
11/12/21 9:00	8.98	220.8	12.47	13.1	29.28	0
11/12/21 9:15	8.62	227.1	9.68	12.95	29.29	0
11/12/21 9:30	9.38	234.7	8.29	12.75	29.3	0
11/12/21 9:45	8.69	247.7	11.33	12.43	29.31	0
11/12/21 10:00	8.73	257.9	15.37	12.09	29.32	0
11/12/21 10:15	4.973	220.2	34.36	11.86	29.31	0
11/12/21 10:30	4.28	140.6	14.87	11.79	29.31	0
11/12/21 10:45	4.157	59.78	54.7	11.69	29.31	0
11/12/21 11:00	0.329	73.42	29.96	11.7	29.31	0
11/12/21 11:15	3.683	149.3	46.18	11.63	29.32	0
11/12/21 11:30	5.376	161.5	21.92	11.61	29.32	0.01
11/12/21 11:45	5.629	177.4	15.8	11.53	29.32	0
11/12/21 12:00	7.126	175.1	11.85	11.45	29.33	0
11/12/21 12:15	8.44	154.1	6.279	11.43	29.33	0.61
11/12/21 12:30	8.58	154	6.196	11.38	29.33	0.12
11/12/21 12:45	8.32	166.4	10.18	11.38	29.34	0.01
11/12/21 13:00	9.65	155.8	7.844	11.3	29.34	0.03
11/12/21 13:15	9.11	156.3	8.21	11.21	29.34	0.01
11/12/21 13:30	7.85	182.3	14.81	11.12	29.36	0.03
11/12/21 13:45	7.897	168.5	13.62	11.01	29.36	0.04
11/12/21 14:00	7.728	161.2	12.19	10.94	29.36	0.03
11/12/21 14:15	9.65	147.4	7.322	10.82	29.35	0.01
11/12/21 14:30	8.37	128.3	10.68	10.66	29.34	0.01
11/12/21 14:45	8.78	138.7	8.56	10.62	29.35	0
11/12/21 15:00	9.54	139	10.42	10.63	29.34	0
11/12/21 15:15	9.26	137.3	9.47	10.64	29.34	0
11/12/21 15:30	7.981	128.3	10.53	10.59	29.34	0
11/12/21 15:45	7.804	128	9.18	10.7	29.34	0
11/12/21 16:00	7.416	132.1	8.54	10.88	29.34	0
11/12/21 16:15	6.644	142.2	7.702	10.95	29.35	0
11/12/21 16:30	4.957	142.5	9.17	10.89	29.35	0
11/12/21 16:45	5.699	150.3	9.97	10.57	29.35	0
11/12/21 17:00	6.717	166.1	9.81	10.43	29.35	0
11/12/21 17:15	5.481	170.3	11	10.62	29.36	0.01
11/12/21 17:30	6.148	178.2	8.91	10.33	29.36	0
11/12/21 17:45	4.197	167.8	19.39	10.27	29.37	0
11/12/21 18:00	0.971	122.2	44.02	10.16	29.38	0
11/12/21 18:15	2.023	144.3	43.16	10.31	29.39	0
11/12/21 18:30	1.537	90.8	34.28	10.12	29.4	0
11/12/21 18:45	3.776	189.2	23.15	10.23	29.41	0
11/12/21 19:00	5.524	189.6	10.75	10.44	29.41	0
11/12/21 19:15	6.072	197	7.928	10.42	29.42	0
11/12/21 19:30	6.521	198.6	10.23	10.47	29.42	0
11/12/21 19:45	6.08	216.2	9.46	10.56	29.43	0
11/12/21 20:00	3.808	201.2	20.79	10.59	29.43	0
11/12/21 20:15	2.61	165.8	31.3	10.52	29.43	0
11/12/21 20:30	4.074	187.5	19.21	10.49	29.44	0
11/12/21 20:45	2.139	127.4	19.35	10.4	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
11/12/21 21:00	3.863	175.1	19.22	10.3	29.44	0
11/12/21 21:15	4.632	175.5	11.28	10.37	29.44	0
11/12/21 21:30	5.648	181.3	8.57	10.25	29.45	0
11/12/21 21:45	5.054	183.9	9.62	10.01	29.46	0
11/12/21 22:00	5.543	182.1	9.36	9.91	29.46	0
11/12/21 22:15	5.397	186.6	6.256	9.85	29.47	0
11/12/21 22:30	4.459	192.2	11.01	9.73	29.47	0
11/12/21 22:45	5.027	194.6	10.41	9.79	29.47	0
11/12/21 23:00	4.393	207.4	6.634	9.53	29.48	0
11/12/21 23:15	4.255	206.3	7.749	9.48	29.49	0
11/12/21 23:30	5.657	198.9	6.267	9.24	29.49	0
11/12/21 23:45	2.789	189.7	13.87	9.14	29.49	0
11/13/21 0:00	1.172	162.9	5.928	9.1	29.5	0
11/13/21 0:15	0.829	106.9	0.302	9.13	29.5	0
11/13/21 0:30	0.123	109.7	0.29	9.1	29.51	0
11/13/21 0:45	2.31	205.6	7.967	9.12	29.51	0
11/13/21 1:00	3.023	176.5	18.88	8.87	29.51	0
11/13/21 1:15	1.718	151.5	13.84	8.69	29.5	0
11/13/21 1:30	2.672	147.1	16.02	8.48	29.49	0
11/13/21 1:45	0.713	182.1	3.674	8.45	29.51	0
11/13/21 2:00	0.558	178.9	4.998	8.48	29.52	0
11/13/21 2:15	1.124	89.4	14.27	8.4	29.52	0
11/13/21 2:30	0.205	82.3	0.325	8.42	29.52	0
11/13/21 2:45	1.917	89.9	8.53	8.3	29.52	0
11/13/21 3:00	2.57	87.1	6.784	7.959	29.52	0
11/13/21 3:15	2.085	70.26	5.032	7.728	29.52	0
11/13/21 3:30	2.077	76.8	22.83	7.937	29.53	0
11/13/21 3:45	3.425	115.4	6.057	7.868	29.52	0
11/13/21 4:00	4.203	130.5	9.36	7.816	29.51	0
11/13/21 4:15	3.565	150.6	8.03	8.01	29.52	0
11/13/21 4:30	2.494	77.14	44.74	7.604	29.52	0
11/13/21 4:45	3.306	107.7	4.846	7.371	29.5	0
11/13/21 5:00	2.853	114.9	6.453	7.447	29.5	0
11/13/21 5:15	1.836	128.2	24.04	7.494	29.51	0
11/13/21 5:30	2.852	152.8	12.15	7.52	29.51	0
11/13/21 5:45	3.524	152.7	5.675	7.348	29.51	0
11/13/21 6:00	2.715	109.8	21.38	6.898	29.5	0
11/13/21 6:15	2.314	90.4	12.28	6.423	29.5	0
11/13/21 6:30	3.296	139	10.82	6.772	29.5	0
11/13/21 6:45	3.467	161.1	14.26	6.851	29.51	0
11/13/21 7:00	2.814	172.2	24.84	6.86	29.5	0
11/13/21 7:15	2.114	115.2	43.41	6.52	29.49	0
11/13/21 7:30	2.082	99.5	16.06	6.683	29.5	0
11/13/21 7:45	0.605	72.83	8.56	6.638	29.5	0
11/13/21 8:00	3.246	49.62	5.637	5.719	29.49	0
11/13/21 8:15	4.082	32.94	12.17	5.868	29.49	0
11/13/21 8:30	4.592	25.17	6.921	6.212	29.48	0
11/13/21 8:45	3.988	11.76	17.42	6.246	29.48	0
11/13/21 9:00	2.395	350.2	25.99	7.334	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
11/13/21 9:15	2.137	315.6	19.65	7.441	29.49	0
11/13/21 9:30	4.539	301.5	8.38	7.573	29.5	0
11/13/21 9:45	3.839	17.84	26.96	7.583	29.5	0
11/13/21 10:00	3.889	35.68	11.01	7.427	29.49	0
11/13/21 10:15	3.539	32.11	17.12	7.375	29.47	0
11/13/21 10:30	4.531	37.12	19.45	6.902	29.47	0
11/13/21 10:45	4.867	12.34	11.94	7.01	29.48	0
11/13/21 11:00	1.508	13.01	66.1	7.245	29.48	0
11/13/21 11:15	2.34	30.13	19.59	7.214	29.47	0
11/13/21 11:30	1.977	10.04	17.71	7.367	29.46	0
11/13/21 11:45	1.834	329.3	19.27	7.623	29.45	0
11/13/21 12:00	1.677	6.17	14.55	7.854	29.45	0
11/13/21 12:15	1.219	49.33	25.85	7.83	29.43	0
11/13/21 12:30	0.289	22.19	26.05	7.862	29.43	0
11/13/21 12:45	1.23	22.19	31.42	8.08	29.43	0
11/13/21 13:00	1.263	347.7	21.15	7.928	29.42	0
11/13/21 13:15	2.632	25.07	19.79	7.76	29.4	0
11/13/21 13:30	0.316	311.8	17.88	7.772	29.39	0
11/13/21 13:45	2.143	56.53	16.5	7.84	29.38	0
11/13/21 14:00	0.769	82.4	9.23	7.77	29.37	0
11/13/21 14:15	2.862	29.14	12.01	7.653	29.36	0
11/13/21 14:30	2.623	19.54	5.551	7.669	29.35	0
11/13/21 14:45	2.805	17.18	11.07	7.614	29.34	0
11/13/21 15:00	3.593	295.3	19.01	7.914	29.35	0
11/13/21 15:15	1.974	304.8	22.11	8.19	29.34	0
11/13/21 15:30	1.394	27.21	8.38	7.812	29.34	0
11/13/21 15:45	0.769	59.84	4.523	7.586	29.34	0
11/13/21 16:00	1.261	48.36	12.62	7.566	29.33	0
11/13/21 16:15	2.66	172.7	90.9	7.605	29.33	0
11/13/21 16:30	6.348	169.6	25.18	7.731	29.32	0
11/13/21 16:45	8.71	168.2	13.3	7.618	29.31	0
11/13/21 17:00	8.14	151.3	13.37	7.675	29.3	0.01
11/13/21 17:15	8.49	127.5	10.14	7.845	29.27	0
11/13/21 17:30	10.17	126.9	9.08	8.46	29.26	0.01
11/13/21 17:45	11.04	127.4	8.5	8.88	29.25	0.02
11/13/21 18:00	10.54	124.6	8.16	8.98	29.24	0.01
11/13/21 18:15	11.36	127.9	8.7	9.25	29.23	0.01
11/13/21 18:30	12.32	130.7	8.51	9.22	29.22	0.03
11/13/21 18:45	14.02	125	9.62	8.84	29.21	0.04
11/13/21 19:00	12.59	118.5	9.59	8.67	29.19	0.03
11/13/21 19:15	15.29	124.3	9.5	8.83	29.16	0.01
11/13/21 19:30	17.2	127.8	8.37	8.96	29.15	0
11/13/21 19:45	14.8	128.5	8.78	9.33	29.14	0.01
11/13/21 20:00	14.82	126.2	8.64	9.87	29.13	0.01
11/13/21 20:15	12.08	129.6	9.75	10.07	29.12	0.02
11/13/21 20:30	9.76	137.2	10.75	10.65	29.13	0.01
11/13/21 20:45	6.004	167.4	18.68	11.12	29.14	0.04
11/13/21 21:00	6.195	143.5	9.76	10.63	29.14	0.04
11/13/21 21:15	5.394	138.6	9.67	10.96	29.15	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
11/13/21 21:30	7.107	143.5	8.08	11.25	29.14	0.04
11/13/21 21:45	5.379	145	7.977	11.39	29.14	0.05
11/13/21 22:00	7.803	146	8.13	11.68	29.14	0.03
11/13/21 22:15	8.25	145.3	8.81	11.91	29.14	0.03
11/13/21 22:30	8.96	144.3	7.148	12.14	29.14	0.03
11/13/21 22:45	8.58	147.5	9.47	12.39	29.13	0.04
11/13/21 23:00	10.23	156.8	8.57	12.61	29.14	0.02
11/13/21 23:15	10.72	163.9	9.14	12.73	29.14	0.04
11/13/21 23:30	10.04	172.2	10.09	12.84	29.15	0.05
11/13/21 23:45	10.51	174.9	10.49	13.05	29.15	0.05
11/14/21 0:00	12.19	174.6	9.58	13.22	29.15	0.02
11/14/21 0:15	12.64	183.9	9.8	13.32	29.16	0.01
11/14/21 0:30	14.14	185.8	9.75	13.45	29.16	0.02
11/14/21 0:45	16.6	186.5	8.51	13.5	29.15	0.02
11/14/21 1:00	16.91	188.8	8.93	13.57	29.15	0.01
11/14/21 1:15	15.01	190.7	9.33	13.54	29.16	0.01
11/14/21 1:30	16.38	194.4	10.36	13.6	29.16	0
11/14/21 1:45	16.98	192.3	10.01	13.58	29.16	0.04
11/14/21 2:00	16.32	194.7	9.61	13.56	29.17	0.03
11/14/21 2:15	15.7	193.7	10.02	13.57	29.16	0
11/14/21 2:30	15.97	190	8.5	13.57	29.16	0.01
11/14/21 2:45	16.37	194.6	10.16	13.66	29.16	0
11/14/21 3:00	12.98	191.2	9.6	13.6	29.16	0.01
11/14/21 3:15	13.59	189.6	10.66	13.62	29.16	0.02
11/14/21 3:30	14.93	185.1	9.57	13.55	29.16	0.02
11/14/21 3:45	16.48	188.3	11.5	13.54	29.15	0.02
11/14/21 4:00	16.55	186	10.32	13.47	29.14	0.02
11/14/21 4:15	15.58	183.8	10.14	13.46	29.15	0
11/14/21 4:30	16.89	190.1	11.08	13.44	29.15	0.01
11/14/21 4:45	15.52	188.9	9.98	13.44	29.15	0
11/14/21 5:00	14.58	187.3	10.46	13.44	29.15	0.01
11/14/21 5:15	14.59	181.9	10.99	13.41	29.15	0
11/14/21 5:30	15.93	181.1	9.78	13.46	29.14	0
11/14/21 5:45	14.46	189.5	11.88	13.46	29.15	0
11/14/21 6:00	14.43	181	10.19	13.45	29.15	0.01
11/14/21 6:15	12.92	181.7	11.16	13.41	29.15	0
11/14/21 6:30	14.06	184.5	11.06	13.46	29.15	0.01
11/14/21 6:45	16.99	179.7	9.93	13.53	29.14	0
11/14/21 7:00	15	181.5	9.53	13.49	29.14	0.01
11/14/21 7:15	13.92	182.6	8.07	13.51	29.14	0
11/14/21 7:30	12.8	182.9	8.62	13.45	29.15	0.01
11/14/21 7:45	12.36	180.7	8.77	13.48	29.15	0.01
11/14/21 8:00	12.7	174.6	7.735	13.54	29.15	0.01
11/14/21 8:15	13.22	175.7	9.34	13.67	29.15	0
11/14/21 8:30	15.72	180.9	7.918	13.76	29.15	0.01
11/14/21 8:45	14.2	179.1	10.16	13.74	29.15	0
11/14/21 9:00	12.86	181.1	8.86	13.83	29.15	0.01
11/14/21 9:15	13.01	174.2	8.71	13.92	29.15	0.01
11/14/21 9:30	13.25	179.2	8.56	14.13	29.15	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/14/21 9:45	14.36	178.6	10.51	14.23	29.15	0.01
11/14/21 10:00	13.29	178.9	8.7	14.49	29.14	0
11/14/21 10:15	13.69	188.6	8.99	14.5	29.15	0.01
11/14/21 10:30	14.75	191.4	9.83	14.3	29.15	0
11/14/21 10:45	15.63	188.8	9.73	14.32	29.15	0
11/14/21 11:00	17.08	181.1	9.41	14.59	29.15	0
11/14/21 11:15	17.11	184.4	10.06	14.8	29.15	0.01
11/14/21 11:30	16.37	188.9	8.41	14.91	29.14	0
11/14/21 11:45	16.54	187.8	9.69	15.25	29.14	0
11/14/21 12:00	16.23	190	10.33	15.57	29.14	0
11/14/21 12:15	17.7	188.4	8.01	15.73	29.14	0
11/14/21 12:30	19.36	193.1	9.86	16.03	29.13	0
11/14/21 12:45	16.81	193.8	9.33	16.24	29.13	0
11/14/21 13:00	14.9	192.4	10.42	16.26	29.13	0
11/14/21 13:15	20.1	198.2	9.19	16.45	29.12	0
11/14/21 13:30	15.57	196.4	10.7	16.43	29.13	0
11/14/21 13:45	14.2	193.4	9.95	16.37	29.13	0
11/14/21 14:00	17.78	190.7	10.5	16.37	29.12	0
11/14/21 14:15	18.15	198.5	10.17	16.05	29.12	0
11/14/21 14:30	15.89	195.9	9.19	15.57	29.12	0.01
11/14/21 14:45	16.68	193.5	10.3	15.6	29.12	0
11/14/21 15:00	17.42	194.8	10.58	15.6	29.11	0
11/14/21 15:15	19.78	192.5	11.44	15.68	29.11	0
11/14/21 15:30	19.01	195.4	10.75	15.52	29.11	0.01
11/14/21 15:45	16.23	196.5	8.87	14.94	29.12	0.03
11/14/21 16:00	13.71	188.4	9.81	14.59	29.12	0.03
11/14/21 16:15	13.06	185.7	10.01	14.39	29.12	0.01
11/14/21 16:30	14.17	189.8	8.45	14.45	29.11	0.01
11/14/21 16:45	16.19	197.9	8.97	14.54	29.11	0.03
11/14/21 17:00	12.91	186.7	9.32	14.4	29.11	0.02
11/14/21 17:15	11.93	183.6	9.72	14.59	29.1	0
11/14/21 17:30	11.93	179.2	8.72	14.7	29.1	0
11/14/21 17:45	16.09	184	8.61	14.96	29.09	0
11/14/21 18:00	17.54	187.3	9.92	14.74	29.1	0.02
11/14/21 18:15	15.33	186	9.16	14.21	29.09	0.01
11/14/21 18:30	14.35	174.5	7.23	14.23	29.08	0
11/14/21 18:45	16.46	174	10.21	14.6	29.07	0
11/14/21 19:00	17.7	184.1	9.18	14.72	29.07	0
11/14/21 19:15	17.94	191.6	8.47	15	29.07	0
11/14/21 19:30	17.04	190.5	8.93	14.99	29.07	0.01
11/14/21 19:45	15.47	193.4	9.33	14.84	29.07	0
11/14/21 20:00	19.62	187.1	10.81	15.04	29.06	0
11/14/21 20:15	17.7	195.3	10.01	14.93	29.07	0
11/14/21 20:30	16.23	197.9	7.463	14.85	29.08	0
11/14/21 20:45	15.67	195.3	10.27	14.7	29.08	0.01
11/14/21 21:00	17.75	202.2	10.84	14.38	29.08	0.02
11/14/21 21:15	13.47	196.6	9.28	13.75	29.08	0.02
11/14/21 21:30	12.64	185.8	10.26	13.57	29.08	0.02
11/14/21 21:45	12.22	173.5	9.73	13.46	29.08	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
11/14/21 22:00	11.9	170.1	10.81	13.5	29.07	0.01
11/14/21 22:15	14.88	180.6	9.62	13.7	29.07	0
11/14/21 22:30	13.07	182.1	9.24	14.03	29.06	0.01
11/14/21 22:45	13.72	179.2	10.71	14.16	29.05	0
11/14/21 23:00	13.56	186.9	11	14.34	29.05	0
11/14/21 23:15	11.94	185.6	10.21	14.23	29.05	0
11/14/21 23:30	13.02	185.1	9.92	14.36	29.04	0
11/14/21 23:45	10.48	183.1	9.4	14.35	29.04	0
11/15/21 0:00	14.34	197.4	10.23	14.68	29.04	0
11/15/21 0:15	13.06	193.9	9.8	14.6	29.04	0
11/15/21 0:30	15.18	190.4	9.96	14.72	29.04	0
11/15/21 0:45	15.31	190.5	9.24	14.7	29.04	0
11/15/21 1:00	16.43	186.8	11.19	14.71	29.03	0
11/15/21 1:15	16.69	183.1	10.4	14.68	29.03	0
11/15/21 1:30	17.08	186.1	9.53	14.78	29.02	0
11/15/21 1:45	15.3	187.5	9.14	14.77	29.02	0
11/15/21 2:00	14.76	186.6	9.44	14.68	29.02	0
11/15/21 2:15	15.85	185.3	9.31	14.66	29.02	0
11/15/21 2:30	16.31	183.4	9.44	14.69	29.01	0
11/15/21 2:45	14.34	187.9	9.22	14.61	29.01	0
11/15/21 3:00	15.4	186.1	9.95	14.4	29.01	0
11/15/21 3:15	18.99	183.3	9.44	14.54	29	0
11/15/21 3:30	15.18	186.3	10.16	14.56	29	0
11/15/21 3:45	15.37	183.3	10.31	14.54	28.99	0
11/15/21 4:00	17.91	181.4	9.98	14.49	28.99	0
11/15/21 4:15	17.94	175.7	9.69	13.88	28.98	0
11/15/21 4:30	14.6	164.6	9.11	13.39	28.98	0
11/15/21 4:45	13.27	152.5	10.94	13.23	28.97	0
11/15/21 5:00	13.79	149.7	9.42	13.44	28.95	0
11/15/21 5:15	9.96	138.8	10.7	13.49	28.94	0
11/15/21 5:30	10.32	139.7	9.52	13.6	28.93	0
11/15/21 5:45	11.7	150.7	10.96	13.6	28.92	0
11/15/21 6:00	12.09	162.2	9.56	13.88	28.91	0
11/15/21 6:15	16.21	168.1	9.75	14.45	28.89	0
11/15/21 6:30	18.58	172.1	11.1	14.61	28.88	0
11/15/21 6:45	19.11	172.5	9.01	14.7	28.86	0
11/15/21 7:00	19.86	176.4	9.39	14.64	28.86	0
11/15/21 7:15	18.64	177.5	8.84	14.69	28.85	0
11/15/21 7:30	17.21	166.2	10.56	14.62	28.83	0
11/15/21 7:45	17.3	162.4	10.14	14.65	28.81	0
11/15/21 8:00	13.83	170.4	11.59	14.69	28.8	0
11/15/21 8:15	14.05	181.7	13.02	14.88	28.79	0
11/15/21 8:30	12.57	195.8	10.52	15.04	28.79	0
11/15/21 8:45	11.19	198.4	10.02	15	28.79	0
11/15/21 9:00	13.21	204.2	10.23	15.19	28.79	0
11/15/21 9:15	13.84	190.2	10.82	15.26	28.78	0
11/15/21 9:30	13.53	195.4	8.04	15.39	28.78	0
11/15/21 9:45	12.98	195.9	9.12	15.52	28.77	0
11/15/21 10:00	14.71	196.5	8.16	15.61	28.77	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/15/21 10:15	16.84	190.5	12.71	15.79	28.77	0
11/15/21 10:30	22.1	183.4	9.73	16.07	28.75	0
11/15/21 10:45	25.87	191	11.17	16.44	28.73	0
11/15/21 11:00	25.61	186.1	9.94	15.98	28.72	0.01
11/15/21 11:15	21.9	171.8	12.11	14.29	28.69	0.02
11/15/21 11:30	17.73	160.3	8.74	13.2	28.68	0.01
11/15/21 11:45	16.18	164.9	6.452	12.96	28.69	0
11/15/21 12:00	14.34	176.8	10.51	12.6	28.69	0.03
11/15/21 12:15	16.32	185.3	9.19	12.64	28.69	0.02
11/15/21 12:30	19.48	189.5	7.903	12.47	28.69	0.02
11/15/21 12:45	18.01	179.1	9.48	12.3	28.69	0.01
11/15/21 13:00	17.95	186.7	8.28	12.22	28.7	0.01
11/15/21 13:15	17.76	197.2	9.95	12.11	28.71	0.02
11/15/21 13:30	27.24	213.6	11.22	12.28	28.72	0
11/15/21 13:45	26.09	221.7	10.13	11.72	28.74	0
11/15/21 14:00	27.74	216	7.613	10.24	28.78	0
11/15/21 14:15	25.01	207.5	9.09	9.71	28.81	0
11/15/21 14:30	23.77	202.3	9.66	9.48	28.84	0
11/15/21 14:45	22.98	203	10.93	9.37	28.86	0
11/15/21 15:00	24.81	207.9	9.81	8.99	28.88	0
11/15/21 15:15	26.24	204.5	10.48	8.73	28.89	0
11/15/21 15:30	26.03	205.3	11.12	8.51	28.92	0
11/15/21 15:45	23.49	212.3	10.58	8.09	28.94	0
11/15/21 16:00	20.57	214.7	10.01	7.871	28.96	0
11/15/21 16:15	19.07	215.6	11.31	7.632	28.97	0
11/15/21 16:30	21.55	217.6	9.74	7.271	28.99	0
11/15/21 16:45	19.04	217.1	11.96	6.906	29.01	0
11/15/21 17:00	17.3	213.3	14.36	6.579	29.02	0
11/15/21 17:15	17.76	212.7	13.45	6.308	29.03	0
11/15/21 17:30	18.41	215.4	11.16	6.1	29.04	0
11/15/21 17:45	15.94	223.5	11.83	6.023	29.06	0
11/15/21 18:00	16.62	221.7	9.71	5.897	29.07	0
11/15/21 18:15	12.42	225.6	13.91	5.741	29.09	0
11/15/21 18:30	12.53	225.3	13.55	5.662	29.1	0
11/15/21 18:45	10	227.3	12.62	5.641	29.12	0
11/15/21 19:00	10.67	227.2	12.09	5.528	29.13	0
11/15/21 19:15	8.32	224.4	12.22	5.48	29.15	0
11/15/21 19:30	10.21	233	14.04	5.464	29.17	0
11/15/21 19:45	13.51	223.7	13.52	5.407	29.17	0
11/15/21 20:00	10.13	207.8	11.03	5.356	29.19	0
11/15/21 20:15	8.51	216.2	12.43	5.348	29.21	0
11/15/21 20:30	8.89	203	13.41	5.29	29.22	0
11/15/21 20:45	9.66	189.8	10.14	5.176	29.23	0
11/15/21 21:00	9.42	184.2	9.27	4.989	29.24	0
11/15/21 21:15	7.529	184.4	14.63	4.893	29.25	0
11/15/21 21:30	6.24	181	11.95	4.903	29.27	0
11/15/21 21:45	5.825	162.3	17.47	4.793	29.28	0
11/15/21 22:00	7.898	152.6	9.66	4.591	29.28	0
11/15/21 22:15	7.08	143.7	9.22	4.584	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
11/15/21 22:30	8.66	147.1	8.53	4.593	29.3	0
11/15/21 22:45	8.56	151.4	10.62	4.543	29.31	0
11/15/21 23:00	8.08	154.5	8.56	4.504	29.32	0
11/15/21 23:15	8.4	159.6	9.31	4.489	29.33	0
11/15/21 23:30	7.272	171.3	10.12	4.523	29.34	0
11/15/21 23:45	7.052	151.8	13.22	4.478	29.34	0
11/16/21 0:00	8.49	164.9	10.8	4.46	29.35	0
11/16/21 0:15	9.52	179.3	8.72	4.529	29.35	0
11/16/21 0:30	9.89	173.2	8.2	4.505	29.36	0
11/16/21 0:45	8.73	177.2	9.06	4.423	29.36	0
11/16/21 1:00	9.27	171.1	8.35	4.456	29.37	0
11/16/21 1:15	9.51	172.3	11.12	4.46	29.38	0
11/16/21 1:30	9.2	173.8	10.81	4.443	29.39	0
11/16/21 1:45	10.11	185.8	10.68	4.342	29.39	0
11/16/21 2:00	10.35	186	10.98	4.295	29.4	0
11/16/21 2:15	10.11	184.4	9.97	4.285	29.41	0
11/16/21 2:30	10.41	178.5	9.82	4.246	29.41	0
11/16/21 2:45	9.49	169	11.4	4.261	29.41	0
11/16/21 3:00	9.05	181.8	10.61	4.259	29.42	0
11/16/21 3:15	10.22	176	8.46	4.266	29.42	0
11/16/21 3:30	9.93	171.4	10.11	4.222	29.42	0
11/16/21 3:45	8.7	179.5	8.66	4.129	29.42	0
11/16/21 4:00	7.1	176.7	12.94	4.132	29.43	0
11/16/21 4:15	7.828	187.4	11.45	4.139	29.43	0
11/16/21 4:30	8.15	187.9	11.09	4.142	29.43	0
11/16/21 4:45	9.1	184.4	10.34	4.104	29.43	0
11/16/21 5:00	9.95	179.7	11.15	4.055	29.43	0
11/16/21 5:15	9.33	175.1	13.31	4.027	29.44	0
11/16/21 5:30	8.44	172.3	11.95	4.072	29.45	0
11/16/21 5:45	8.77	174.5	9.08	4.042	29.45	0
11/16/21 6:00	10.08	179.1	7.993	3.908	29.45	0
11/16/21 6:15	9.58	183.6	9.34	3.911	29.46	0
11/16/21 6:30	10.3	180.6	8.25	3.961	29.46	0
11/16/21 6:45	10.03	181.4	9.02	3.977	29.46	0
11/16/21 7:00	7.16	178.4	11.62	3.978	29.47	0
11/16/21 7:15	7.34	165.9	13.46	3.937	29.47	0
11/16/21 7:30	8.51	173.9	9.59	3.825	29.48	0
11/16/21 7:45	7.778	165.5	9.88	3.749	29.48	0
11/16/21 8:00	8.18	166.8	10.87	3.816	29.48	0
11/16/21 8:15	7.426	150.6	8.12	3.997	29.49	0
11/16/21 8:30	5.463	127.6	11.79	4.151	29.5	0
11/16/21 8:45	5.74	134.6	9.55	4.304	29.51	0
11/16/21 9:00	7.085	154.5	11.6	4.62	29.51	0
11/16/21 9:15	4.507	158.4	20.03	5.014	29.51	0
11/16/21 9:30	5.384	180.4	14.84	4.973	29.52	0
11/16/21 9:45	6.255	164.3	16.67	5.145	29.52	0
11/16/21 10:00	4.684	193.1	25.58	5.221	29.53	0
11/16/21 10:15	4.31	211.8	22.93	5.237	29.53	0
11/16/21 10:30	6.413	207.7	16	5.466	29.53	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/16/21 10:45	6.246	215	13.36	5.543	29.53	0
11/16/21 11:00	6.492	193.4	22.25	6.26	29.53	0
11/16/21 11:15	7.579	196.8	19.54	6.319	29.53	0
11/16/21 11:30	4.189	201.2	31.47	6.49	29.54	0
11/16/21 11:45	4.003	162.5	31.35	6.223	29.54	0
11/16/21 12:00	3.624	196.4	16.73	6.382	29.53	0
11/16/21 12:15	3.332	158.1	56.51	6.806	29.53	0
11/16/21 12:30	5.314	173	24.32	6.706	29.52	0
11/16/21 12:45	4.307	171.7	39.32	7.609	29.52	0
11/16/21 13:00	3.614	214	37.82	7.647	29.52	0
11/16/21 13:15	5.228	199.5	29.9	7.804	29.52	0
11/16/21 13:30	5.345	213.5	16.98	7.521	29.53	0
11/16/21 13:45	4.59	222.5	17.1	7.461	29.53	0
11/16/21 14:00	5.02	223.1	13.6	7.841	29.53	0
11/16/21 14:15	4.311	219.9	20.04	7.773	29.53	0
11/16/21 14:30	4.242	246.3	22.88	7.351	29.53	0
11/16/21 14:45	4.153	244.9	14.52	7.139	29.54	0
11/16/21 15:00	3.622	250.4	10.25	7.09	29.54	0
11/16/21 15:15	3.255	279.6	23.16	7.17	29.54	0
11/16/21 15:30	3.747	328.8	26.61	7.081	29.55	0
11/16/21 15:45	10.96	14.08	11.23	6.193	29.55	0
11/16/21 16:00	9.44	17.2	10.98	5.747	29.56	0
11/16/21 16:15	7.022	15.96	13.62	5.376	29.56	0
11/16/21 16:30	4.284	5.819	17.08	5.196	29.56	0
11/16/21 16:45	2.739	10.68	20.71	5.115	29.56	0
11/16/21 17:00	2.57	32.21	28.68	5.021	29.56	0
11/16/21 17:15	3.836	311.3	19.93	5.226	29.57	0
11/16/21 17:30	3.338	293.9	13.82	5.304	29.57	0
11/16/21 17:45	2.319	333.1	24.39	5.317	29.58	0
11/16/21 18:00	0.586	55.25	7.391	5.048	29.58	0
11/16/21 18:15	0.085	86.4	2.134	4.934	29.58	0
11/16/21 18:30	1.555	154.3	12.32	5.246	29.58	0
11/16/21 18:45	1.959	140.6	23.18	5.202	29.58	0
11/16/21 19:00	1.686	100.5	13.28	5.169	29.58	0
11/16/21 19:15	0.167	78.22	1.695	5.065	29.59	0
11/16/21 19:30	1.145	156.6	35.81	5.106	29.59	0
11/16/21 19:45	1.618	222.2	60.04	3.552	29.59	0
11/16/21 20:00	1.001	35.58	75.86	3.534	29.6	0
11/16/21 20:15	3.024	36.93	15.14	3.169	29.6	0
11/16/21 20:30	3.51	19.73	3.303	2.69	29.6	0
11/16/21 20:45	2.265	15.07	3.422	2.434	29.61	0
11/16/21 21:00	2.967	12.34	1.07	2.681	29.62	0
11/16/21 21:15	3.436	25.51	6.483	2.481	29.62	0
11/16/21 21:30	3.762	30.1	7.184	2.112	29.62	0
11/16/21 21:45	4.258	20.28	3.869	2.131	29.63	0
11/16/21 22:00	3.333	26.35	3.291	2.232	29.63	0
11/16/21 22:15	3.572	35.63	3.058	2.348	29.63	0
11/16/21 22:30	3.174	37.06	15.96	1.958	29.63	0
11/16/21 22:45	3.395	54.51	4.657	1.867	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
11/16/21 23:00	2.38	66.79	10.64	2.043	29.64	0
11/16/21 23:15	2.583	91.7	6.128	2.226	29.64	0
11/16/21 23:30	3.225	66.05	8.24	2.243	29.64	0
11/16/21 23:45	3.256	60.47	8.03	1.899	29.64	0
11/17/21 0:00	2.209	69.56	13.17	2.093	29.64	0
11/17/21 0:15	2.608	57.07	17.98	2.182	29.64	0
11/17/21 0:30	2.778	65.1	14.73	1.706	29.64	0
11/17/21 0:45	2.372	61.37	18.14	1.894	29.64	0
11/17/21 1:00	2.553	58.89	13.54	1.503	29.63	0
11/17/21 1:15	2	102.8	24.31	1.728	29.62	0
11/17/21 1:30	2.268	100	22.53	2.152	29.62	0
11/17/21 1:45	2.328	65.69	10.99	1.213	29.61	0
11/17/21 2:00	2.463	128.7	18.94	1.044	29.6	0
11/17/21 2:15	0.327	104.3	9.23	1.62	29.6	0
11/17/21 2:30	2.854	43.64	14.84	1.092	29.6	0
11/17/21 2:45	5.364	17.31	9.49	0.62	29.59	0
11/17/21 3:00	4.429	28.38	5.217	-0.26	29.59	0
11/17/21 3:15	4.168	43.41	8.88	-0.925	29.59	0
11/17/21 3:30	4.644	35.13	6.157	-1.01	29.59	0
11/17/21 3:45	3.691	26.06	7.301	-0.376	29.59	0
11/17/21 4:00	3.656	24.69	17.32	-0.353	29.59	0
11/17/21 4:15	5.487	14.06	8.12	-0.347	29.58	0
11/17/21 4:30	5.474	12.88	6.466	-0.524	29.57	0
11/17/21 4:45	6.103	11.36	7.498	-0.99	29.57	0
11/17/21 5:00	5.652	13.68	4.856	-1.095	29.57	0
11/17/21 5:15	4.814	17.53	11.62	-1.073	29.56	0
11/17/21 5:30	7.267	24.69	10.87	-1.288	29.56	0
11/17/21 5:45	8.78	16.53	9.12	-0.801	29.56	0
11/17/21 6:00	9.39	15.5	8.43	-0.112	29.56	0
11/17/21 6:15	9.77	15.31	8.38	0.128	29.55	0
11/17/21 6:30	9.33	17.84	10.73	0.548	29.55	0
11/17/21 6:45	8.95	18.06	9.07	0.536	29.55	0
11/17/21 7:00	7.67	27.83	11.82	-0.253	29.54	0
11/17/21 7:15	6.812	31.45	8.57	-0.655	29.54	0
11/17/21 7:30	7.63	31.63	5.862	-0.555	29.53	0
11/17/21 7:45	6.551	28.91	5.944	-0.583	29.53	0
11/17/21 8:00	6.458	30.42	6.696	-0.729	29.52	0
11/17/21 8:15	5.87	23.32	7.144	-0.416	29.52	0
11/17/21 8:30	5.19	18.63	9.1	0.364	29.53	0
11/17/21 8:45	4.532	25.05	11.11	1.033	29.53	0
11/17/21 9:00	3.689	39.24	19.25	1.203	29.52	0
11/17/21 9:15	3.414	43.96	29.08	1.938	29.52	0
11/17/21 9:30	2.779	50.87	20.69	2.438	29.51	0.01
11/17/21 9:45	2.216	54.85	40.48	3.342	29.51	0
11/17/21 10:00	2.156	27.08	22.46	3.629	29.5	0
11/17/21 10:15	2.722	11.63	21.48	4.297	29.5	0
11/17/21 10:30	2.002	0.059	23.72	5.164	29.49	0
11/17/21 10:45	2.936	3.508	19.3	5.178	29.49	0
11/17/21 11:00	3.257	22.45	32.13	6.215	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
11/17/21 11:15	4.183	42.75	40.07	6.754	29.47	0
11/17/21 11:30	4.812	90.1	22.67	8.07	29.45	0
11/17/21 11:45	8.03	93.4	19.94	8.42	29.44	0
11/17/21 12:00	7.567	109	17.62	8.83	29.43	0
11/17/21 12:15	8.42	112.3	17.52	9.35	29.42	0
11/17/21 12:30	8.75	113.9	17.73	9.31	29.42	0
11/17/21 12:45	9.31	101.5	17.77	9.22	29.4	0
11/17/21 13:00	10.77	104.8	17.25	9.44	29.4	0
11/17/21 13:15	12.03	96.2	18.28	9.02	29.39	0
11/17/21 13:30	11.7	107.3	12.83	8.9	29.37	0
11/17/21 13:45	8.25	115.2	13.34	8.99	29.37	0
11/17/21 14:00	9.91	116.4	16.15	9.01	29.35	0
11/17/21 14:15	8.16	113.1	12.46	8.99	29.34	0
11/17/21 14:30	9.04	118.9	12.44	9.08	29.33	0
11/17/21 14:45	5.956	107.5	17.03	9.28	29.32	0
11/17/21 15:00	5.245	121.8	18.2	9.27	29.32	0
11/17/21 15:15	6.727	136.2	11.55	8.99	29.32	0
11/17/21 15:30	7.22	136	9.98	8.48	29.31	0
11/17/21 15:45	7.765	129	10.55	8.09	29.31	0
11/17/21 16:00	5.861	126.6	10.23	7.874	29.3	0
11/17/21 16:15	4.585	124.4	7.897	7.822	29.3	0
11/17/21 16:30	4.344	122	9.27	7.77	29.29	0
11/17/21 16:45	6.354	139.2	9.67	7.518	29.29	0
11/17/21 17:00	7.562	130.9	9.78	7.229	29.28	0
11/17/21 17:15	8.11	136.9	10.44	7.14	29.28	0
11/17/21 17:30	9.09	127.2	10.44	7.252	29.27	0
11/17/21 17:45	10.5	116.2	12.94	7.251	29.27	0
11/17/21 18:00	10.03	120.3	13.28	7.201	29.26	0
11/17/21 18:15	9.57	124.5	11.42	7.368	29.26	0
11/17/21 18:30	8.69	123.2	13.96	7.267	29.26	0
11/17/21 18:45	11.09	120.7	14.92	7.276	29.25	0
11/17/21 19:00	11.21	119	11.44	7.178	29.25	0
11/17/21 19:15	12.47	115.5	12.78	7.164	29.24	0
11/17/21 19:30	12.88	115.7	12.89	7.288	29.24	0
11/17/21 19:45	12.37	119.7	12.84	7.325	29.23	0
11/17/21 20:00	12.56	117.8	12.96	7.243	29.23	0
11/17/21 20:15	12.71	118.5	9.85	7.168	29.22	0
11/17/21 20:30	11.15	117.5	13.95	7.178	29.22	0
11/17/21 20:45	13.63	118.4	12.95	7.211	29.22	0
11/17/21 21:00	11.61	106.1	12.82	7.177	29.22	0
11/17/21 21:15	10.08	116.2	12.28	7.17	29.22	0
11/17/21 21:30	10.7	116.7	11.08	7.205	29.22	0
11/17/21 21:45	9.69	118.3	13.18	7.059	29.21	0
11/17/21 22:00	10.02	116.8	14.47	7.212	29.21	0
11/17/21 22:15	9.85	123	12.55	7.186	29.21	0
11/17/21 22:30	10.98	119.5	11.98	7.123	29.21	0
11/17/21 22:45	11.76	124.1	10.89	7.05	29.2	0
11/17/21 23:00	12.77	119.3	10.23	7.151	29.19	0
11/17/21 23:15	11.53	118.6	11.46	7.067	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
11/17/21 23:30	12.37	118.3	12.77	7.152	29.18	0
11/17/21 23:45	14.06	124.1	11.36	7.139	29.18	0
11/18/21 0:00	14.76	124.2	12.63	7.188	29.17	0
11/18/21 0:15	14.13	125.2	10.81	7.193	29.17	0
11/18/21 0:30	13.44	127.3	10.39	7.221	29.17	0
11/18/21 0:45	13.33	124.6	11.76	7.303	29.17	0
11/18/21 1:00	13.9	123.5	11.43	7.34	29.16	0
11/18/21 1:15	14.27	116.9	12.58	7.28	29.15	0
11/18/21 1:30	14.5	118.6	12.42	7.17	29.14	0
11/18/21 1:45	16.02	119.4	12.11	7.04	29.13	0
11/18/21 2:00	13.34	122.2	13.67	7.137	29.13	0
11/18/21 2:15	14.68	123.4	12.14	7.26	29.12	0
11/18/21 2:30	14.05	120.4	13.52	7.381	29.12	0
11/18/21 2:45	12.71	117.9	12.98	7.373	29.13	0
11/18/21 3:00	9.76	113.8	14.62	7.397	29.13	0
11/18/21 3:15	7.829	114.2	19.56	7.337	29.14	0
11/18/21 3:30	8.45	117.9	16.98	7.266	29.13	0
11/18/21 3:45	7.118	121.8	16.62	7.112	29.14	0
11/18/21 4:00	8.28	127.9	16	7.127	29.14	0
11/18/21 4:15	5.739	122.9	17.77	7.062	29.14	0
11/18/21 4:30	5.915	113.8	15.66	6.869	29.13	0
11/18/21 4:45	7.836	124.7	13.18	6.986	29.13	0
11/18/21 5:00	5.916	103.8	20.74	6.895	29.13	0
11/18/21 5:15	6.175	111	19.81	6.618	29.12	0
11/18/21 5:30	7.118	93.5	16.66	6.618	29.11	0
11/18/21 5:45	4.65	74.82	28.47	6.581	29.1	0
11/18/21 6:00	4.642	116.9	19.03	6.744	29.1	0
11/18/21 6:15	5.928	113.1	11.71	6.805	29.08	0
11/18/21 6:30	7.818	120.5	11.83	6.96	29.08	0
11/18/21 6:45	5.024	103.7	19.58	7.1	29.08	0
11/18/21 7:00	3.363	100	25.69	7.09	29.08	0
11/18/21 7:15	1.719	76.04	63.84	7.134	29.08	0
11/18/21 7:30	3.804	130.6	32.83	7.299	29.08	0
11/18/21 7:45	4.526	119.7	29.12	7.171	29.08	0
11/18/21 8:00	6.346	128.2	14.66	7.243	29.08	0
11/18/21 8:15	5.268	126.3	14.54	7.118	29.08	0
11/18/21 8:30	4.113	112.7	19.07	7.083	29.08	0
11/18/21 8:45	5.55	127.3	15.71	7.307	29.08	0
11/18/21 9:00	5.342	120.4	16.74	7.466	29.08	0
11/18/21 9:15	4.269	140.8	23.61	7.715	29.08	0
11/18/21 9:30	5.449	128.8	16.53	7.631	29.08	0
11/18/21 9:45	5.144	123	20.4	7.664	29.09	0
11/18/21 10:00	3.187	80.3	22.47	7.524	29.09	0
11/18/21 10:15	3.476	50.92	35.73	7.3	29.09	0
11/18/21 10:30	3.384	45.75	40.78	7.189	29.09	0
11/18/21 10:45	1.985	67.87	23.74	7.593	29.09	0
11/18/21 11:00	3.138	68.36	23.09	7.676	29.09	0
11/18/21 11:15	3.709	61.98	15.39	7.35	29.08	0
11/18/21 11:30	4.195	58.85	14.31	7.507	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
11/18/21 11:45	2.527	32.68	22.74	7.64	29.07	0
11/18/21 12:00	4.085	14.19	17.8	7.499	29.06	0
11/18/21 12:15	2.081	50.19	17.29	7.73	29.06	0
11/18/21 12:30	5.547	47.49	16.49	7.585	29.05	0
11/18/21 12:45	5.638	22.33	11.47	7.584	29.04	0
11/18/21 13:00	4.203	32.39	10.7	7.626	29.05	0
11/18/21 13:15	6.001	350.5	24.77	7.595	29.04	0
11/18/21 13:30	6.948	27.15	10.65	7.237	29.04	0
11/18/21 13:45	2.259	9.77	59.83	7.337	29.05	0
11/18/21 14:00	5.275	210.7	9.37	7.548	29.07	0
11/18/21 14:15	3.294	198.3	53.46	7.246	29.07	0
11/18/21 14:30	5.777	48.44	26.91	6.267	29.06	0.01
11/18/21 14:45	5.703	49.36	7.471	5.85	29.05	0.01
11/18/21 15:00	5.828	25.64	9.77	5.384	29.05	0.01
11/18/21 15:15	4.847	6.093	29.18	5.113	29.05	0.01
11/18/21 15:30	2.929	109.5	59.89	4.965	29.05	0.03
11/18/21 15:45	3.557	76.66	34.08	4.611	29.04	0.03
11/18/21 16:00	4.273	43.22	22.97	4.479	29.04	0.02
11/18/21 16:15	2.593	15.26	20.26	4.534	29.05	0.02
11/18/21 16:30	2.007	15.42	41.91	4.633	29.05	0.02
11/18/21 16:45	1.576	189.5	66.8	4.781	29.05	0.03
11/18/21 17:00	1.944	345.1	18.88	4.578	29.05	0.03
11/18/21 17:15	4.324	3	18.31	4.434	29.04	0
11/18/21 17:30	5.626	17.14	7.211	4.215	29.04	0.01
11/18/21 17:45	5.823	27.13	10.12	4.213	29.03	0.01
11/18/21 18:00	8.63	34.12	8.28	4.207	29.03	0.01
11/18/21 18:15	7.022	38.83	8.09	4.215	29.03	0.03
11/18/21 18:30	5.374	72.2	19.92	4.255	29.03	0.01
11/18/21 18:45	5.801	49.66	14.39	4.294	29.02	0.02
11/18/21 19:00	5.583	42.96	11.3	4.401	29.01	0
11/18/21 19:15	4.051	58.91	15.95	4.481	29.02	0
11/18/21 19:30	3.206	40.63	16.55	4.527	29.01	0.01
11/18/21 19:45	3.937	42.66	10.98	4.531	29.01	0.01
11/18/21 20:00	2.901	53.13	9.08	4.509	29.01	0
11/18/21 20:15	2.962	28.19	8.61	4.482	29	0
11/18/21 20:30	3.374	9.65	9.62	4.463	29.01	0
11/18/21 20:45	2.279	1.405	10.86	4.49	29.01	0
11/18/21 21:00	2.434	326	19.31	4.58	29.01	0
11/18/21 21:15	2.331	13.16	14.74	4.544	29.01	0.01
11/18/21 21:30	3.199	350.9	13.31	4.61	29.01	0
11/18/21 21:45	2.578	323.7	22.32	4.638	29.01	0
11/18/21 22:00	2.523	353.5	37.01	4.683	29.01	0
11/18/21 22:15	3.055	22.67	7.712	4.503	29.01	0
11/18/21 22:30	3.15	21.62	9.34	4.391	29.01	0
11/18/21 22:45	2.491	350.9	45.79	4.256	29.01	0
11/18/21 23:00	1.243	322.6	34.56	4.573	29.01	0
11/18/21 23:15	2.21	37.29	18.24	4.346	29.01	0
11/18/21 23:30	3.041	51.32	12.38	4.29	29.01	0.01
11/18/21 23:45	5.971	22.75	9.62	4.247	29.01	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
11/19/21 0:00	8.69	26.7	12.22	4.113	29.01	0.03
11/19/21 0:15	6.535	26.18	8.87	4.194	29.02	0.02
11/19/21 0:30	9.6	18.75	10.1	4.156	29.02	0.01
11/19/21 0:45	9.54	25.7	9.56	4.128	29.02	0.02
11/19/21 1:00	9.89	18.78	11.38	4.173	29.02	0.01
11/19/21 1:15	10.59	16.1	11.98	4.206	29.02	0.01
11/19/21 1:30	4.529	358.4	24.97	4.358	29.03	0.02
11/19/21 1:45	2.169	341.4	23.11	4.405	29.03	0.02
11/19/21 2:00	6.237	16.8	16.28	4.344	29.03	0.03
11/19/21 2:15	10.43	15.44	13.45	4.118	29.03	0.02
11/19/21 2:30	11.09	18.9	12.82	4.141	29.04	0.03
11/19/21 2:45	10.6	16.03	12.94	4.062	29.05	0.03
11/19/21 3:00	9.32	12.77	10.97	3.995	29.05	0.03
11/19/21 3:15	5.341	10.79	13.05	3.945	29.06	0
11/19/21 3:30	7.171	8.26	12.93	3.96	29.06	0
11/19/21 3:45	8.13	6.161	13.05	3.983	29.07	0.01
11/19/21 4:00	8.14	7.428	13.29	3.922	29.07	0.01
11/19/21 4:15	9.86	360	15.04	3.925	29.08	0
11/19/21 4:30	9.84	3.014	15.22	3.973	29.09	0.01
11/19/21 4:45	9.77	3.523	15.34	3.998	29.1	0.01
11/19/21 5:00	10.1	357.8	19.92	4.038	29.11	0
11/19/21 5:15	5.001	328.7	29.93	4.194	29.12	0.01
11/19/21 5:30	3.997	8.66	21.35	4.117	29.13	0
11/19/21 5:45	7.8	334.4	33.66	4.051	29.14	0.01
11/19/21 6:00	5.035	348.8	44.58	3.959	29.15	0
11/19/21 6:15	4.686	323.3	38.81	3.853	29.16	0.01
11/19/21 6:30	6.844	335.1	29.67	3.784	29.17	0.01
11/19/21 6:45	7.159	336.9	27.36	3.747	29.18	0
11/19/21 7:00	5.784	326.7	27.88	3.809	29.19	0
11/19/21 7:15	5.968	339.7	23.86	3.891	29.2	0
11/19/21 7:30	5.88	349.4	22.57	3.873	29.22	0
11/19/21 7:45	7.218	346.8	23.43	3.886	29.23	0
11/19/21 8:00	6.379	343.5	24.12	3.914	29.24	0.01
11/19/21 8:15	5.32	357.4	24.85	3.973	29.25	0
11/19/21 8:30	6.856	351.5	20.23	3.991	29.27	0
11/19/21 8:45	8.52	358.8	26.89	4.026	29.27	0
11/19/21 9:00	8.23	14.46	21.51	3.958	29.28	0
11/19/21 9:15	6.85	18.62	22.21	3.991	29.29	0
11/19/21 9:30	6.526	10.48	17.95	4.062	29.3	0
11/19/21 9:45	7.265	1.818	15.54	4.099	29.31	0
11/19/21 10:00	6.696	5.343	15.61	4.232	29.32	0
11/19/21 10:15	3.808	30.65	22.19	4.292	29.33	0
11/19/21 10:30	4.279	348.3	19.35	4.385	29.34	0
11/19/21 10:45	3.496	352.9	39.39	4.481	29.35	0
11/19/21 11:00	3.656	317.7	14.82	4.524	29.36	0
11/19/21 11:15	2.466	345.7	18.06	4.664	29.37	0
11/19/21 11:30	5.907	328.7	6.564	4.679	29.37	0
11/19/21 11:45	7.103	339.4	12.14	4.651	29.38	0
11/19/21 12:00	7.668	351	17.16	4.56	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
11/19/21 12:15	6.25	357.4	18.57	4.656	29.4	0
11/19/21 12:30	5.934	353.3	17.06	4.771	29.41	0
11/19/21 12:45	4.142	340.9	11.01	4.979	29.41	0
11/19/21 13:00	2.933	353.3	18.7	5.441	29.41	0
11/19/21 13:15	2.544	31.98	23.69	5.977	29.42	0
11/19/21 13:30	1.601	28.47	13.75	5.893	29.42	0
11/19/21 13:45	3.154	25.33	12.95	5.876	29.42	0
11/19/21 14:00	3.995	55.41	19	6.122	29.43	0
11/19/21 14:15	3.895	53.55	20.53	5.92	29.43	0
11/19/21 14:30	2.82	71.41	21.94	6.093	29.43	0
11/19/21 14:45	3.649	28.36	9.29	5.945	29.44	0
11/19/21 15:00	1.761	8.36	15.03	5.885	29.44	0
11/19/21 15:15	0.914	40.46	16.78	5.938	29.45	0
11/19/21 15:30	1.757	14.95	2.863	5.82	29.46	0
11/19/21 15:45	0.164	17.75	0.023	5.666	29.46	0
11/19/21 16:00	0.314	39.67	4.249	5.6	29.46	0
11/19/21 16:15	0.47	44.97	1.758	5.383	29.47	0
11/19/21 16:30	0.826	266.9	18.13	5.558	29.48	0
11/19/21 16:45	2.266	254.4	19.04	5.744	29.48	0
11/19/21 17:00	0.778	357.4	39.83	5.227	29.48	0
11/19/21 17:15	1.802	356.1	14.17	5.116	29.49	0
11/19/21 17:30	1.686	19.1	3.222	4.91	29.49	0
11/19/21 17:45	1.956	34.75	10.35	4.849	29.49	0
11/19/21 18:00	1.848	63.78	6.877	4.825	29.5	0
11/19/21 18:15	1.841	91.7	9.37	4.92	29.5	0
11/19/21 18:30	1.116	100	0.07	4.63	29.5	0
11/19/21 18:45	0.464	87.8	4.91	4.773	29.51	0
11/19/21 19:00	1.243	148.8	16.28	4.648	29.51	0
11/19/21 19:15	1.548	104.1	3.542	4.147	29.51	0
11/19/21 19:30	1.471	162.4	50.97	4.037	29.51	0
11/19/21 19:45	3.592	196	8.96	3.894	29.52	0
11/19/21 20:00	2.439	140.1	28.79	4.094	29.52	0
11/19/21 20:15	1.525	42.48	14.86	3.742	29.52	0
11/19/21 20:30	2.234	37.54	8.74	3.602	29.53	0
11/19/21 20:45	1.752	36.13	6.139	4.05	29.53	0
11/19/21 21:00	1.589	69.24	23.94	4.545	29.54	0
11/19/21 21:15	1.505	164.2	30.07	4.74	29.54	0
11/19/21 21:30	2.896	161.3	12.15	4.594	29.54	0
11/19/21 21:45	3.669	144.4	11.86	4.667	29.55	0
11/19/21 22:00	4.041	123.1	4.908	4.664	29.55	0
11/19/21 22:15	3.084	130.8	6.494	4.647	29.55	0
11/19/21 22:30	2.148	119.4	7.853	4.681	29.55	0
11/19/21 22:45	2.685	131	12.13	4.806	29.56	0
11/19/21 23:00	3.225	125.9	7.092	4.829	29.56	0
11/19/21 23:15	2.453	97.4	9.47	4.93	29.56	0
11/19/21 23:30	1.462	100.4	10.47	4.971	29.56	0
11/19/21 23:45	2.265	136.7	10.42	5.165	29.56	0
11/20/21 0:00	2.807	122.6	7.051	5.163	29.57	0
11/20/21 0:15	2.782	101.2	8.15	4.936	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
11/20/21 0:30	2.564	118.8	17.66	4.743	29.56	0
11/20/21 0:45	0.522	107.9	4.353	4.923	29.57	0
11/20/21 1:00	2.012	93.2	14.58	4.972	29.57	0
11/20/21 1:15	1.748	108.4	11.74	4.801	29.57	0
11/20/21 1:30	1.408	78.7	19.05	4.622	29.57	0
11/20/21 1:45	1.752	74.27	11.57	4.438	29.58	0
11/20/21 2:00	2.276	106.7	11.26	4.588	29.58	0
11/20/21 2:15	2.723	107.6	9.31	4.786	29.59	0
11/20/21 2:30	4.23	115.6	6.945	4.968	29.59	0
11/20/21 2:45	3.852	104.2	9.49	4.955	29.59	0
11/20/21 3:00	3.353	105.8	16.4	5.023	29.59	0
11/20/21 3:15	3.58	138.5	16.47	5.057	29.6	0
11/20/21 3:30	3.589	147.9	11.32	4.902	29.6	0
11/20/21 3:45	3.36	165.1	11.79	4.655	29.6	0
11/20/21 4:00	3.234	152.1	18.14	4.461	29.6	0
11/20/21 4:15	7.243	145.6	4.599	4.443	29.61	0
11/20/21 4:30	7.289	146.9	4.25	4.223	29.61	0
11/20/21 4:45	6.118	144	9.62	4.056	29.6	0
11/20/21 5:00	4.645	141.9	11.51	4.053	29.61	0
11/20/21 5:15	6.332	136.2	9.82	4.071	29.61	0
11/20/21 5:30	4.371	126.9	7.074	4.053	29.62	0
11/20/21 5:45	5.591	124.4	6.37	4.079	29.62	0
11/20/21 6:00	4.461	134.1	8.15	4.016	29.63	0
11/20/21 6:15	4.635	142.2	5.65	3.671	29.63	0
11/20/21 6:30	3.399	126.4	6.012	3.704	29.64	0
11/20/21 6:45	2.822	119.4	6.669	3.707	29.64	0
11/20/21 7:00	3.439	116.9	4.918	3.88	29.64	0
11/20/21 7:15	4.839	132.4	8.5	3.979	29.64	0
11/20/21 7:30	5.078	142.9	5.769	4.18	29.64	0
11/20/21 7:45	3.954	138.4	5.799	4.349	29.65	0
11/20/21 8:00	3.345	141.1	12.5	4.329	29.65	0
11/20/21 8:15	2.392	148.9	20.12	4.292	29.65	0
11/20/21 8:30	2.632	155.5	22.49	4.529	29.66	0
11/20/21 8:45	3.317	142.7	19.51	4.857	29.66	0
11/20/21 9:00	1.431	101.1	6.739	4.738	29.66	0
11/20/21 9:15	1.828	102.4	7.304	5.451	29.66	0
11/20/21 9:30	2.839	114.1	12.98	5.652	29.66	0
11/20/21 9:45	3.094	115.6	17.06	5.787	29.66	0
11/20/21 10:00	3.521	124.4	19.1	5.787	29.67	0
11/20/21 10:15	4.088	120.6	12.21	5.773	29.66	0
11/20/21 10:30	4.231	120.5	13.74	6.068	29.67	0
11/20/21 10:45	2.995	128	17.13	6.29	29.67	0
11/20/21 11:00	3.91	117.2	17.05	5.845	29.67	0
11/20/21 11:15	2.597	107.1	13.37	5.868	29.67	0
11/20/21 11:30	1.898	107.5	35.45	6.595	29.67	0
11/20/21 11:45	2.923	126.2	12.76	6.579	29.67	0
11/20/21 12:00	3.49	185.4	28.67	6.575	29.67	0
11/20/21 12:15	2.803	213.9	28.24	7.096	29.66	0
11/20/21 12:30	3.168	237.8	38.89	7.191	29.66	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/20/21 12:45	4.31	236.1	22.51	7.488	29.67	0
11/20/21 13:00	3.934	201.9	28.86	7.697	29.67	0
11/20/21 13:15	3.153	148.6	39.74	8.24	29.67	0
11/20/21 13:30	2.408	191	41.51	8.32	29.67	0
11/20/21 13:45	2.443	285.7	34.44	8.04	29.67	0
11/20/21 14:00	4.901	264	18.15	7.66	29.68	0
11/20/21 14:15	4.431	273.7	12.22	7.599	29.68	0
11/20/21 14:30	5.198	324.8	20.68	7.985	29.68	0
11/20/21 14:45	5.284	343.9	15.91	7.454	29.68	0
11/20/21 15:00	4.515	14.26	15.84	6.882	29.68	0
11/20/21 15:15	3.451	2.855	19.49	6.87	29.67	0
11/20/21 15:30	1.619	323.6	32.29	6.96	29.68	0
11/20/21 15:45	1.633	281.2	10.39	6.964	29.68	0
11/20/21 16:00	0.843	296.1	1.794	6.95	29.68	0
11/20/21 16:15	1.697	307.3	20.34	6.833	29.68	0
11/20/21 16:30	1.716	354	11.26	6.38	29.68	0
11/20/21 16:45	2.069	356.8	11.98	6.365	29.68	0
11/20/21 17:00	2.651	23.02	6.86	5.829	29.68	0
11/20/21 17:15	2.997	23.53	4.058	5.458	29.67	0
11/20/21 17:30	2.975	38.65	7.792	5.324	29.66	0
11/20/21 17:45	2.881	72.82	18.04	5.175	29.65	0
11/20/21 18:00	1.508	72.08	12.73	4.802	29.65	0
11/20/21 18:15	1.75	348	38.15	4.68	29.65	0
11/20/21 18:30	1.899	323.1	2.954	4.439	29.66	0
11/20/21 18:45	1.977	330.2	6.209	5.019	29.66	0
11/20/21 19:00	3.801	333.6	9.1	4.327	29.66	0
11/20/21 19:15	2.518	2.663	12.51	4.087	29.66	0
11/20/21 19:30	2.838	14.66	9.14	3.807	29.67	0
11/20/21 19:45	3.694	27.39	8.05	3.454	29.67	0
11/20/21 20:00	4.7	31.7	6.951	3.442	29.67	0
11/20/21 20:15	2.92	40.79	15.89	3.347	29.67	0
11/20/21 20:30	0.624	45.6	13.91	3.262	29.68	0
11/20/21 20:45	2.118	17.43	17.94	3.262	29.69	0
11/20/21 21:00	2.195	100.1	24.97	3.449	29.69	0
11/20/21 21:15	3.565	131.1	9.21	3.55	29.69	0
11/20/21 21:30	3.802	161.5	11.26	3.458	29.69	0
11/20/21 21:45	3.659	156.5	10.47	3.58	29.68	0
11/20/21 22:00	3.096	136.4	7.338	3.66	29.68	0
11/20/21 22:15	1.715	134.5	13.23	3.502	29.68	0
11/20/21 22:30	0.974	34.89	25.76	3.114	29.68	0
11/20/21 22:45	0.483	16.72	5.99	3.394	29.68	0
11/20/21 23:00	0.477	32.59	8.08	3.703	29.68	0
11/20/21 23:15	1.514	107	45.19	3.834	29.68	0
11/20/21 23:30	1.286	71.75	38.48	3.883	29.68	0
11/20/21 23:45	2.339	32.89	4.131	3.981	29.68	0
11/21/21 0:00	2.857	27.74	2.678	3.458	29.68	0
11/21/21 0:15	3.491	31.24	7.718	3.193	29.67	0
11/21/21 0:30	3.481	19.09	7.65	2.848	29.66	0
11/21/21 0:45	1.736	74.81	28.25	2.883	29.66	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/21/21 1:00	0.845	137.9	33.84	2.978	29.66	0
11/21/21 1:15	3.376	160.1	21.56	3.054	29.65	0
11/21/21 1:30	3.576	118.9	6.732	2.832	29.64	0
11/21/21 1:45	3.727	144.8	14.72	3.154	29.63	0
11/21/21 2:00	2.822	177.9	29.98	3.72	29.64	0
11/21/21 2:15	1.234	110.3	79.81	3.464	29.63	0
11/21/21 2:30	2.099	78.53	36.42	3.062	29.61	0
11/21/21 2:45	2.556	143.2	16.67	3.446	29.61	0
11/21/21 3:00	2.685	169.4	12.85	3.477	29.61	0
11/21/21 3:15	1.599	122.1	71.93	3.324	29.6	0
11/21/21 3:30	2.753	18.82	3.329	2.49	29.6	0
11/21/21 3:45	2.571	31.5	7.247	2.737	29.6	0
11/21/21 4:00	2.269	13.55	37.12	2.438	29.6	0
11/21/21 4:15	2.865	25.6	29.53	2.177	29.6	0
11/21/21 4:30	4.271	8.11	12.49	2.104	29.6	0
11/21/21 4:45	2.588	16.96	7.782	1.938	29.61	0
11/21/21 5:00	1.72	4.652	11.39	1.351	29.61	0
11/21/21 5:15	3.182	12.39	3.862	1.452	29.61	0
11/21/21 5:30	2.681	21.63	19.13	1.81	29.61	0
11/21/21 5:45	4.187	136.1	18.74	1.086	29.59	0
11/21/21 6:00	4.869	130.2	9.16	1.902	29.59	0
11/21/21 6:15	5.327	111.9	11.6	2.407	29.59	0
11/21/21 6:30	5.513	112.3	13.21	2.585	29.59	0
11/21/21 6:45	4.672	140.9	13.14	2.268	29.58	0
11/21/21 7:00	5.029	161	8.38	2.758	29.58	0
11/21/21 7:15	1.904	156	36.49	2.538	29.58	0
11/21/21 7:30	1.148	339.2	7.796	2.214	29.58	0
11/21/21 7:45	1.341	5.24	15.44	2.089	29.58	0
11/21/21 8:00	1.263	7.812	6.042	2.364	29.58	0
11/21/21 8:15	2.432	17.22	10.84	2.052	29.58	0
11/21/21 8:30	0.875	19.82	3.494	2.077	29.58	0
11/21/21 8:45	1.168	38.34	6.354	2.653	29.57	0
11/21/21 9:00	4.277	86.6	16.97	3.384	29.57	0
11/21/21 9:15	5.16	82	19.05	3.787	29.57	0
11/21/21 9:30	2.439	67.32	13.02	3.436	29.57	0
11/21/21 9:45	2.542	114.9	19.4	4.079	29.56	0
11/21/21 10:00	3.555	162.1	18.69	4.373	29.56	0
11/21/21 10:15	4.278	197.3	15.07	4.529	29.56	0
11/21/21 10:30	4.562	226.9	9.08	4.729	29.56	0
11/21/21 10:45	2.408	201.3	19.73	5.596	29.55	0
11/21/21 11:00	1.546	246.6	22.26	6.259	29.54	0
11/21/21 11:15	1.509	220	41.02	6.757	29.53	0
11/21/21 11:30	1.496	166.6	35.62	7.166	29.52	0
11/21/21 11:45	1.003	92.1	88.1	7.678	29.52	0
11/21/21 12:00	0.813	312.8	36.58	8.28	29.51	0
11/21/21 12:15	2.12	355.1	30.67	8.14	29.5	0
11/21/21 12:30	2.76	23.17	11.03	7.414	29.5	0
11/21/21 12:45	2.031	16.42	15.29	7.537	29.49	0
11/21/21 13:00	2.857	351.1	15.42	7.972	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
11/21/21 13:15	2.896	358.5	17.28	8.39	29.48	0
11/21/21 13:30	2.871	18.63	8.05	8.03	29.47	0
11/21/21 13:45	2.58	9.34	11.24	7.938	29.46	0
11/21/21 14:00	2.873	13.8	7.673	7.925	29.46	0
11/21/21 14:15	3.144	5.781	3.848	7.687	29.45	0
11/21/21 14:30	3.656	338.6	11.89	7.926	29.46	0
11/21/21 14:45	4.212	341.3	11.15	8.27	29.46	0
11/21/21 15:00	4.213	340.8	10.83	7.708	29.46	0
11/21/21 15:15	1.929	20.02	13.62	7.052	29.46	0
11/21/21 15:30	1.656	40	8.1	6.691	29.45	0
11/21/21 15:45	1.319	33.51	17.72	6.423	29.44	0
11/21/21 16:00	2.858	30.6	9.23	5.937	29.44	0
11/21/21 16:15	4.961	14.58	6.2	5.863	29.44	0
11/21/21 16:30	3.186	2.491	19.47	5.707	29.44	0
11/21/21 16:45	4.756	247.8	8.91	5.706	29.44	0
11/21/21 17:00	3.334	276.7	6.883	5.62	29.44	0
11/21/21 17:15	1.55	295.7	8.17	5.624	29.44	0
11/21/21 17:30	1.823	297	6.714	5.676	29.43	0
11/21/21 17:45	3.171	314.3	8.86	5.392	29.43	0
11/21/21 18:00	2.887	342.3	10.26	5.026	29.42	0
11/21/21 18:15	1.566	39.49	28.02	5.116	29.41	0
11/21/21 18:30	1.158	102.9	20.56	5.073	29.4	0
11/21/21 18:45	0.503	39.44	25.13	4.916	29.39	0
11/21/21 19:00	2.767	270.3	27.93	4.854	29.39	0
11/21/21 19:15	1.285	187.3	28.4	4.813	29.38	0
11/21/21 19:30	0.551	203.9	5.533	4.74	29.37	0
11/21/21 19:45	0.27	64.33	16.78	4.779	29.37	0
11/21/21 20:00	1.519	159.5	9.89	4.949	29.36	0
11/21/21 20:15	1.832	298	22.9	5.096	29.36	0
11/21/21 20:30	3.087	304	5.656	5.141	29.36	0
11/21/21 20:45	3.584	347.3	8.97	4.363	29.35	0
11/21/21 21:00	1.75	339.7	4.443	4.599	29.35	0
11/21/21 21:15	2.167	18.25	19.57	4.66	29.35	0
11/21/21 21:30	3.808	2.277	13.6	4.361	29.35	0
11/21/21 21:45	3.504	4.891	16.05	4.033	29.35	0
11/21/21 22:00	2.881	5.422	10.28	3.836	29.34	0
11/21/21 22:15	2.441	5.62	9.88	4.163	29.34	0
11/21/21 22:30	1.11	8.88	29.05	4.36	29.34	0
11/21/21 22:45	2.732	75.55	18.64	3.863	29.33	0
11/21/21 23:00	1.693	95.9	45.91	3.621	29.33	0
11/21/21 23:15	4.167	189.1	12.07	2.595	29.33	0
11/21/21 23:30	4.465	171.9	32.21	3.823	29.33	0
11/21/21 23:45	1.644	61.73	25.41	3.607	29.33	0
11/22/21 0:00	1.963	63.15	47.27	3.971	29.33	0
11/22/21 0:15	1.35	121.2	22.36	4.18	29.32	0
11/22/21 0:30	3.356	142.2	20.04	4.183	29.31	0
11/22/21 0:45	5.39	161.5	8.93	3.744	29.3	0
11/22/21 1:00	7.886	151.6	8.25	4.373	29.29	0
11/22/21 1:15	7.702	149.8	6.664	4.79	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/22/21 1:30	8.64	158.9	7.161	4.817	29.27	0
11/22/21 1:45	8.91	157.7	6.26	4.628	29.26	0
11/22/21 2:00	6.088	165.7	8.65	4.818	29.26	0
11/22/21 2:15	6.118	190.7	6.476	4.482	29.25	0
11/22/21 2:30	6.831	227.6	17.69	4.613	29.27	0
11/22/21 2:45	7.019	264.4	14.68	4.648	29.28	0
11/22/21 3:00	3.227	139.7	44.33	4.947	29.27	0
11/22/21 3:15	3.845	116	23.56	3.771	29.27	0
11/22/21 3:30	8.66	226.6	14.56	4.401	29.29	0
11/22/21 3:45	7.486	235.5	8.27	4.849	29.3	0
11/22/21 4:00	1.677	243.2	45.13	4.144	29.31	0
11/22/21 4:15	2.729	139.3	39.56	4.376	29.32	0
11/22/21 4:30	4.199	127.1	11.49	4.441	29.31	0
11/22/21 4:45	6.367	140.2	8.38	3.929	29.31	0
11/22/21 5:00	7.86	140.3	8.9	3.96	29.3	0
11/22/21 5:15	8.9	152.2	9.17	3.801	29.3	0
11/22/21 5:30	6.515	159.8	13.17	3.419	29.29	0
11/22/21 5:45	3.093	126	17.55	3.401	29.29	0
11/22/21 6:00	2.403	140.7	27.82	4.045	29.28	0
11/22/21 6:15	2.486	83.2	37.71	4.548	29.27	0
11/22/21 6:30	5.513	127.1	20.55	5.45	29.26	0
11/22/21 6:45	6.233	145.6	13.88	6.681	29.26	0
11/22/21 7:00	5.419	121.6	10.86	7.625	29.26	0
11/22/21 7:15	3.884	121.1	26.04	7.654	29.25	0
11/22/21 7:30	4.175	144.5	28.14	7.6	29.25	0
11/22/21 7:45	4.274	167.6	21.64	6.658	29.25	0
11/22/21 8:00	5.954	190.1	8.93	4.972	29.25	0
11/22/21 8:15	6.093	225.2	30.56	4.545	29.26	0
11/22/21 8:30	12.17	270.7	7.083	3.253	29.28	0
11/22/21 8:45	7.697	279.3	8.36	3.027	29.29	0
11/22/21 9:00	1.445	341.7	44.93	4.29	29.29	0
11/22/21 9:15	1.534	251.5	48.4	5.789	29.29	0
11/22/21 9:30	2.83	171.3	18.52	5.177	29.3	0
11/22/21 9:45	1.555	129.1	49.12	5.074	29.3	0
11/22/21 10:00	1.869	104.8	46.31	4.946	29.3	0
11/22/21 10:15	3.146	191.1	45.79	5.417	29.29	0
11/22/21 10:30	2.397	147.2	39.04	5.666	29.29	0
11/22/21 10:45	2.864	118.9	44.32	5.797	29.28	0
11/22/21 11:00	4.49	82.1	20.75	5.599	29.27	0
11/22/21 11:15	4.383	134	29.95	6.603	29.26	0
11/22/21 11:30	3.125	230	27.09	7.619	29.26	0
11/22/21 11:45	3.475	247.5	42.09	8.29	29.25	0
11/22/21 12:00	3.412	213	50.85	8.74	29.24	0
11/22/21 12:15	1.816	167.3	86.7	8.82	29.23	0
11/22/21 12:30	1.746	345.7	56.87	8.58	29.22	0
11/22/21 12:45	4.527	205.5	29.03	9.28	29.21	0
11/22/21 13:00	4.378	225.4	14.74	9.38	29.21	0
11/22/21 13:15	9.27	223.5	11.07	9.01	29.21	0
11/22/21 13:30	6.239	217.7	15.83	8.42	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
11/22/21 13:45	7.328	215.1	17.99	8.05	29.22	0
11/22/21 14:00	8.2	251.3	17	7.735	29.21	0
11/22/21 14:15	10.31	210.3	26.87	7.046	29.21	0
11/22/21 14:30	5.518	168.9	28.31	6.958	29.21	0
11/22/21 14:45	5.252	172	23.75	6.686	29.2	0.02
11/22/21 15:00	5.534	180.6	20.1	6.395	29.2	0.01
11/22/21 15:15	3.614	136.8	32.76	6.305	29.2	0
11/22/21 15:30	2.679	101.8	26.44	6.217	29.19	0.02
11/22/21 15:45	5.324	136.4	19.41	6.141	29.19	0.02
11/22/21 16:00	3.178	110.6	21.71	6.146	29.19	0.02
11/22/21 16:15	3.991	87.7	9.47	6.057	29.18	0.01
11/22/21 16:30	2.398	91.9	25.26	6.159	29.18	0.02
11/22/21 16:45	5.731	161.5	32.87	6.644	29.18	0
11/22/21 17:00	4.255	128.2	28.09	6.578	29.18	0.01
11/22/21 17:15	1.698	96.4	24.6	6.179	29.18	0
11/22/21 17:30	3.434	101.6	18.55	6.101	29.17	0
11/22/21 17:45	6.776	114.4	11.02	6.209	29.16	0
11/22/21 18:00	6.162	128.8	8.6	6.352	29.15	0
11/22/21 18:15	4.033	98.9	49.81	6.441	29.15	0
11/22/21 18:30	1.715	50.59	17.8	6.549	29.14	0
11/22/21 18:45	4.052	97.6	16.39	6.503	29.14	0
11/22/21 19:00	6.021	107.2	18.43	6.398	29.13	0
11/22/21 19:15	7.417	118	9.19	6.542	29.12	0
11/22/21 19:30	9.49	113.5	9.26	6.815	29.11	0
11/22/21 19:45	9.92	114	9.79	7.024	29.11	0.01
11/22/21 20:00	9.38	118.6	14.56	6.983	29.1	0
11/22/21 20:15	6.758	164.2	19.59	6.902	29.1	0
11/22/21 20:30	4.847	162	27.51	6.743	29.1	0
11/22/21 20:45	7.752	128.4	15.22	6.804	29.1	0
11/22/21 21:00	7.401	121.4	8.62	6.667	29.09	0.01
11/22/21 21:15	7.935	114	9.09	6.485	29.08	0
11/22/21 21:30	8.69	122	10.77	6.587	29.08	0
11/22/21 21:45	6.645	136.4	9.37	6.549	29.07	0
11/22/21 22:00	6.412	151.6	10.3	6.614	29.06	0
11/22/21 22:15	6.609	145.2	10.79	6.537	29.06	0
11/22/21 22:30	5.168	124.1	21.84	6.655	29.05	0
11/22/21 22:45	2.671	100.9	13.15	6.916	29.06	0
11/22/21 23:00	2.55	95	13.57	7	29.05	0
11/22/21 23:15	2.703	112.5	16.33	7.213	29.05	0
11/22/21 23:30	4.208	145.3	21.91	7.133	29.05	0
11/22/21 23:45	6.448	176.9	8.96	6.778	29.04	0
11/23/21 0:00	6.448	174.6	8.32	7.007	29.04	0
11/23/21 0:15	5.803	166.5	15.06	7.205	29.04	0
11/23/21 0:30	2.352	122.7	22.11	6.877	29.04	0
11/23/21 0:45	3.423	122.5	12.65	6.891	29.03	0
11/23/21 1:00	5.008	154.4	14.53	7.134	29.03	0
11/23/21 1:15	4.671	149.5	12.65	6.92	29.02	0
11/23/21 1:30	6.09	149	16.43	6.792	29.02	0
11/23/21 1:45	7.432	143.1	5.751	6.681	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
11/23/21 2:00	6.269	137.5	7.134	6.796	29.01	0
11/23/21 2:15	6.298	135.5	7.878	6.771	29.01	0
11/23/21 2:30	4.428	123.2	10.48	6.786	29.01	0
11/23/21 2:45	5.013	139.5	6.586	6.797	29.01	0
11/23/21 3:00	5.19	143.7	7.594	6.708	29.01	0
11/23/21 3:15	4.668	163.5	9.75	6.531	29.01	0
11/23/21 3:30	5.763	183.9	14.59	6.308	29.01	0.01
11/23/21 3:45	6.053	219.7	14.51	6.095	29.01	0.02
11/23/21 4:00	6.256	236.2	8.4	5.929	29.01	0.04
11/23/21 4:15	7.573	235.6	8.16	5.903	29.01	0.03
11/23/21 4:30	5.747	218.7	13.9	5.865	29.01	0.03
11/23/21 4:45	8.46	204.9	11.12	5.847	29.01	0.01
11/23/21 5:00	10.95	198.9	11.83	5.766	29.01	0.02
11/23/21 5:15	11.53	198.7	10.83	5.648	29.01	0.01
11/23/21 5:30	12.93	202.8	7.971	5.533	29.02	0.01
11/23/21 5:45	11.99	198.6	9.02	5.375	29.02	0.03
11/23/21 6:00	10.49	208.9	9.37	5.193	29.04	0.03
11/23/21 6:15	7.756	205.9	12.18	5.054	29.05	0.04
11/23/21 6:30	7.109	226.5	21.82	4.988	29.06	0.07
11/23/21 6:45	6.436	308.6	19.34	4.059	29.08	0.05
11/23/21 7:00	2.934	350.3	21.42	3.962	29.08	0.04
11/23/21 7:15	4.763	2.536	17.18	3.941	29.09	0.03
11/23/21 7:30	4.669	25.05	13.72	3.812	29.1	0.03
11/23/21 7:45	4.536	83.6	28.57	3.713	29.1	0.02
11/23/21 8:00	5.393	117.7	14.9	3.377	29.11	0.01
11/23/21 8:15	6.794	143.5	8.86	3.32	29.11	0
11/23/21 8:30	7.954	169.3	12.88	3.369	29.13	0
11/23/21 8:45	7.776	162.9	12.9	3.406	29.14	0
11/23/21 9:00	4.953	107.8	33.48	3.399	29.15	0
11/23/21 9:15	4.446	132.9	28.25	3.396	29.16	0
11/23/21 9:30	5.789	124	18.26	3.489	29.16	0
11/23/21 9:45	4.545	107	15.58	3.535	29.17	0
11/23/21 10:00	3.42	129.6	13.35	3.79	29.18	0
11/23/21 10:15	4.192	135.7	6.331	3.983	29.19	0
11/23/21 10:30	4.426	149.8	13.62	4.163	29.2	0
11/23/21 10:45	5.194	122.6	14.92	4.384	29.21	0
11/23/21 11:00	3.886	108.6	11.32	4.469	29.22	0
11/23/21 11:15	3.913	106.1	18.98	4.642	29.22	0
11/23/21 11:30	4.807	120.5	8.95	4.899	29.22	0
11/23/21 11:45	5.035	123.5	14.51	5.378	29.23	0
11/23/21 12:00	3.901	111.7	11.59	5.38	29.23	0
11/23/21 12:15	4.154	82.2	15.7	5.486	29.23	0
11/23/21 12:30	4.536	99.8	14.84	5.678	29.24	0
11/23/21 12:45	4.685	90.5	11.48	5.953	29.24	0
11/23/21 13:00	3.948	80.7	12.01	6.052	29.24	0
11/23/21 13:15	4.842	99.6	9.66	6.062	29.25	0
11/23/21 13:30	3.052	91	13.26	6.218	29.26	0
11/23/21 13:45	3.321	84.1	9.42	6.253	29.26	0
11/23/21 14:00	3.169	94.8	11.62	6.375	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
11/23/21 14:15	3.636	83.3	5.561	6.481	29.28	0
11/23/21 14:30	2.337	58.41	9.53	6.642	29.28	0
11/23/21 14:45	1.907	74.83	8.84	6.743	29.29	0
11/23/21 15:00	2.06	73.58	11.98	6.869	29.3	0
11/23/21 15:15	2.415	74.26	9.81	6.839	29.3	0
11/23/21 15:30	2.608	70.68	10.68	6.806	29.3	0
11/23/21 15:45	2.354	52.16	11.89	6.716	29.31	0
11/23/21 16:00	3.181	34.3	11.86	6.449	29.32	0
11/23/21 16:15	3.397	30.47	6.006	6.171	29.32	0
11/23/21 16:30	3.582	21.02	9.69	6.007	29.33	0
11/23/21 16:45	3.48	33.26	8.92	5.847	29.33	0
11/23/21 17:00	2.59	22.9	10.51	5.912	29.34	0
11/23/21 17:15	2.393	40.16	17.59	5.971	29.34	0
11/23/21 17:30	2.209	86.2	29.36	5.973	29.35	0
11/23/21 17:45	5.064	169.1	17.08	6.146	29.36	0
11/23/21 18:00	4.606	165.3	12.1	6.477	29.37	0
11/23/21 18:15	0.621	105.1	28.11	6.061	29.37	0
11/23/21 18:30	4.24	175.9	13.57	5.983	29.38	0
11/23/21 18:45	2.186	92.8	72.59	5.649	29.38	0
11/23/21 19:00	5.6	157.1	27.59	5.634	29.38	0
11/23/21 19:15	4.146	159.8	15.61	5.355	29.38	0
11/23/21 19:30	3.207	144.5	15.43	5.249	29.38	0
11/23/21 19:45	3.944	141	13.76	5.33	29.39	0
11/23/21 20:00	5.358	162.2	12.83	5.471	29.41	0
11/23/21 20:15	5.928	157.3	10.41	5.501	29.41	0
11/23/21 20:30	5.806	159.3	10.2	5.463	29.43	0
11/23/21 20:45	7.24	167.1	6.681	5.613	29.44	0
11/23/21 21:00	3.775	141.2	22.06	5.458	29.44	0
11/23/21 21:15	3.381	109.3	11.22	5.162	29.44	0
11/23/21 21:30	4.599	123.4	11.15	5.201	29.44	0
11/23/21 21:45	6.139	135.4	8.02	5.286	29.45	0
11/23/21 22:00	6.616	143.8	13.84	5.22	29.46	0
11/23/21 22:15	6.472	159.1	10.6	5.276	29.47	0
11/23/21 22:30	3.574	123.5	30.57	4.957	29.48	0
11/23/21 22:45	3.376	120.6	12.99	4.684	29.48	0
11/23/21 23:00	4.376	117.9	7.765	4.735	29.48	0
11/23/21 23:15	3.592	119.3	10.12	4.942	29.49	0
11/23/21 23:30	3.426	96.1	7.923	4.983	29.49	0
11/23/21 23:45	5.425	124.6	8.19	4.991	29.49	0
11/24/21 0:00	5.487	132.9	6.99	4.957	29.5	0
11/24/21 0:15	4.764	122.3	8.39	4.937	29.51	0
11/24/21 0:30	3.983	115.1	6.806	5.036	29.51	0
11/24/21 0:45	4.626	111.3	7.142	5.168	29.51	0
11/24/21 1:00	5.068	117.5	10.81	5.221	29.51	0
11/24/21 1:15	4.859	121	8.77	5.251	29.51	0
11/24/21 1:30	5.871	132.7	8.31	5.192	29.51	0
11/24/21 1:45	5.804	137.3	6.859	4.812	29.52	0
11/24/21 2:00	3.513	114.3	8.97	4.806	29.53	0
11/24/21 2:15	3.761	110.5	10.58	4.845	29.54	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/24/21 2:30	4.204	131	15.81	4.936	29.54	0
11/24/21 2:45	2.732	128.2	18.28	5.011	29.54	0
11/24/21 3:00	3.947	132.2	12.35	5.067	29.54	0
11/24/21 3:15	3.439	128.7	8.24	5.064	29.54	0
11/24/21 3:30	4.24	143.9	13.58	5.01	29.54	0
11/24/21 3:45	4.787	167	7.269	5.21	29.55	0
11/24/21 4:00	3.299	158.2	14.32	5.169	29.55	0
11/24/21 4:15	3.363	151.7	10.94	4.98	29.54	0
11/24/21 4:30	2.806	132.5	20.48	4.943	29.54	0
11/24/21 4:45	3.929	126.9	5.91	4.939	29.54	0
11/24/21 5:00	3.757	123.6	5.808	5.019	29.54	0
11/24/21 5:15	3.959	122.5	4.656	4.963	29.54	0
11/24/21 5:30	4.412	129.4	5.792	5.111	29.55	0
11/24/21 5:45	4.864	139.3	7.816	5.189	29.55	0
11/24/21 6:00	4.815	133.7	6.639	5.177	29.55	0
11/24/21 6:15	4.619	121.5	6.495	5.124	29.55	0
11/24/21 6:30	4.756	122.6	6.391	5.134	29.55	0
11/24/21 6:45	4.939	120.5	6.651	5.126	29.56	0
11/24/21 7:00	3.957	105.1	24.07	5.153	29.56	0
11/24/21 7:15	4.673	130.8	8.52	5.089	29.56	0
11/24/21 7:30	4.115	141.4	8.59	4.901	29.56	0
11/24/21 7:45	3.48	142.7	6.64	4.969	29.56	0
11/24/21 8:00	3.311	151.1	13.36	4.994	29.56	0
11/24/21 8:15	2.587	146.8	15.05	5.09	29.57	0
11/24/21 8:30	2.854	130.3	15	5.014	29.58	0
11/24/21 8:45	4.114	126.6	9.73	5.015	29.58	0
11/24/21 9:00	4.801	143.9	7.432	5.205	29.58	0
11/24/21 9:15	4.502	130.5	8.82	5.307	29.59	0
11/24/21 9:30	4.157	145.2	18.47	5.429	29.59	0
11/24/21 9:45	2.326	172.1	33.97	5.53	29.6	0
11/24/21 10:00	2.327	110.7	18.44	5.842	29.6	0
11/24/21 10:15	2.028	81.4	24.99	5.978	29.6	0
11/24/21 10:30	3.104	135.3	25.18	6.211	29.6	0
11/24/21 10:45	3.989	124.2	12.58	6.523	29.6	0
11/24/21 11:00	4.359	105.3	14.98	6.885	29.59	0
11/24/21 11:15	3.258	106.3	16.64	7.032	29.59	0
11/24/21 11:30	4.313	113.8	19.78	7.135	29.58	0
11/24/21 11:45	4.444	135.3	10.97	7.341	29.57	0
11/24/21 12:00	4.137	123	15.18	7.81	29.57	0
11/24/21 12:15	6.191	124.9	9.1	7.747	29.56	0
11/24/21 12:30	5.766	136.2	14.73	7.64	29.55	0
11/24/21 12:45	6.013	131.1	14.3	7.615	29.54	0
11/24/21 13:00	6.297	115.3	10.53	7.361	29.53	0
11/24/21 13:15	4.446	120.6	12.5	7.457	29.53	0
11/24/21 13:30	3.327	114	16.28	7.45	29.52	0
11/24/21 13:45	3.412	132.2	10.97	7.523	29.52	0
11/24/21 14:00	3.001	118.1	18.86	7.505	29.51	0
11/24/21 14:15	1.472	59.84	6.639	7.401	29.51	0
11/24/21 14:30	0.308	55.1	4.008	7.472	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
11/24/21 14:45	0.061	63.25	8.73	7.505	29.51	0
11/24/21 15:00	0.119	44.13	4.622	7.399	29.51	0
11/24/21 15:15	0.363	349	5.296	7.32	29.51	0
11/24/21 15:30	2.27	317.5	16.63	7.057	29.52	0
11/24/21 15:45	2.549	330.1	10.31	6.754	29.52	0
11/24/21 16:00	2.28	5.984	8.72	6.616	29.53	0
11/24/21 16:15	2.363	0.994	9.51	6.529	29.53	0
11/24/21 16:30	1.368	15.91	22.92	6.557	29.53	0
11/24/21 16:45	1.232	2.574	18.13	6.421	29.53	0
11/24/21 17:00	0.563	328.1	12.74	6.437	29.53	0
11/24/21 17:15	1.136	4.662	55.45	6.244	29.53	0
11/24/21 17:30	2.409	18.29	9.63	5.954	29.53	0
11/24/21 17:45	1.618	15.5	5.334	5.948	29.53	0
11/24/21 18:00	1.543	49.83	10.65	6.017	29.53	0
11/24/21 18:15	1.814	72.72	2.311	5.944	29.52	0
11/24/21 18:30	1.195	70.55	3.128	5.876	29.52	0
11/24/21 18:45	2.097	83.5	13.34	5.714	29.51	0
11/24/21 19:00	3.743	127	12.34	5.85	29.51	0
11/24/21 19:15	4.796	133.6	10.61	6.353	29.51	0
11/24/21 19:30	6.22	135.7	7.786	6.288	29.51	0
11/24/21 19:45	5.069	157.6	13.48	6.312	29.52	0
11/24/21 20:00	5.422	139.1	11.72	6.381	29.52	0
11/24/21 20:15	3.835	125.2	9.21	6.374	29.52	0
11/24/21 20:30	4.964	151.1	9.28	6.594	29.52	0
11/24/21 20:45	6.187	160.5	10.9	6.498	29.52	0
11/24/21 21:00	5.158	172.4	11.46	6.352	29.53	0
11/24/21 21:15	3.319	164.9	23.86	6.234	29.53	0
11/24/21 21:30	3.268	100.4	31.79	5.97	29.52	0
11/24/21 21:45	5.249	131.5	19.36	5.865	29.52	0.01
11/24/21 22:00	6.108	134.5	20.68	6.132	29.51	0
11/24/21 22:15	7.604	115.9	18.3	6.361	29.5	0
11/24/21 22:30	5.273	152.4	16.16	6.296	29.5	0
11/24/21 22:45	4.863	153.9	15.38	6.259	29.51	0.01
11/24/21 23:00	4.423	179.5	19.11	6.172	29.51	0
11/24/21 23:15	4.313	167.5	11.05	5.689	29.51	0
11/24/21 23:30	4.279	155.8	28.61	5.508	29.5	0
11/24/21 23:45	2.485	98.2	13.1	5.536	29.5	0
11/25/21 0:00	5.1	94.8	9.91	5.497	29.49	0
11/25/21 0:15	6.301	99.9	11.07	5.455	29.47	0
11/25/21 0:30	6.412	142.1	10.41	6.303	29.47	0
11/25/21 0:45	6.462	128.9	18.69	6.337	29.46	0
11/25/21 1:00	4.375	133.1	20.25	6.304	29.46	0
11/25/21 1:15	5.308	151.8	17.29	6.367	29.46	0
11/25/21 1:30	6.998	159	27.83	6.627	29.47	0
11/25/21 1:45	3.934	168	18.11	6.387	29.47	0
11/25/21 2:00	4.07	160.5	16.47	6.096	29.48	0
11/25/21 2:15	3.419	138.2	18.7	6.222	29.48	0
11/25/21 2:30	5.173	147.6	24.91	6.015	29.48	0
11/25/21 2:45	6.555	121.5	10.94	5.941	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
11/25/21 3:00	6.919	126.1	10.08	5.955	29.47	0.01
11/25/21 3:15	7.008	165.1	15.21	5.449	29.48	0.01
11/25/21 3:30	6.642	174.3	13.35	4.885	29.48	0
11/25/21 3:45	8.7	137.5	11.83	4.661	29.47	0.01
11/25/21 4:00	7.723	132.5	9.84	4.86	29.46	0.02
11/25/21 4:15	6.642	136.2	7.759	4.826	29.47	0.01
11/25/21 4:30	6.565	121	6.927	4.896	29.45	0.01
11/25/21 4:45	7.889	104	9.01	4.775	29.43	0.02
11/25/21 5:00	7.304	120.8	8.47	5.226	29.43	0
11/25/21 5:15	7.418	137.2	17.8	5.279	29.42	0
11/25/21 5:30	7.225	117.5	27.02	5.289	29.42	0
11/25/21 5:45	7.041	97.7	20.02	5.08	29.41	0
11/25/21 6:00	5.503	112.5	20.92	6.122	29.4	0
11/25/21 6:15	5.279	168.3	30.64	6.575	29.39	0
11/25/21 6:30	9.69	134.2	24.97	6.725	29.39	0
11/25/21 6:45	5.36	132.2	30.32	7.278	29.4	0
11/25/21 7:00	6.903	162.6	41.23	7.543	29.4	0
11/25/21 7:15	10.42	249.1	6.964	5.718	29.41	0
11/25/21 7:30	8.07	251.7	12.27	5.58	29.42	0.01
11/25/21 7:45	4.432	268.1	31.58	5.381	29.43	0
11/25/21 8:00	4.479	181.8	16.41	5.273	29.44	0
11/25/21 8:15	4.897	131.6	48.06	5.19	29.42	0.01
11/25/21 8:30	7.366	112.6	18.59	5.435	29.39	0
11/25/21 8:45	8.16	125.9	11.3	6.183	29.38	0
11/25/21 9:00	8.26	124.8	13.3	7.67	29.37	0
11/25/21 9:15	9.27	121.3	10.33	8.66	29.37	0
11/25/21 9:30	7.443	143.7	11	9.12	29.38	0
11/25/21 9:45	7.011	162	14.74	8.36	29.38	0
11/25/21 10:00	6.768	186.8	18.65	7.478	29.38	0
11/25/21 10:15	7.026	202.5	11.17	7.312	29.39	0
11/25/21 10:30	7.893	160	20.93	7.72	29.38	0
11/25/21 10:45	6.682	131.4	11.2	8.71	29.36	0
11/25/21 11:00	5.465	136.8	16.14	10.14	29.34	0
11/25/21 11:15	6.353	161.3	19.51	9.48	29.33	0
11/25/21 11:30	6.02	209.5	13.35	8.42	29.33	0
11/25/21 11:45	4.219	209.2	23.85	8.79	29.34	0
11/25/21 12:00	4.393	212	23.5	9	29.33	0
11/25/21 12:15	4.313	247.4	20.81	8.81	29.34	0
11/25/21 12:30	7.407	271.7	11.44	7.833	29.34	0
11/25/21 12:45	8.96	283.7	5.761	7.54	29.34	0
11/25/21 13:00	9.78	274.2	5.72	7.426	29.35	0
11/25/21 13:15	9.01	266.5	7.857	7.271	29.36	0
11/25/21 13:30	3.937	283.8	7.557	7.496	29.37	0
11/25/21 13:45	2.652	47.37	36.56	7.425	29.36	0
11/25/21 14:00	4.812	100.1	16.77	7.233	29.34	0
11/25/21 14:15	7.227	129.1	8.82	7.586	29.33	0
11/25/21 14:30	7.978	128.2	19.63	7.842	29.32	0.02
11/25/21 14:45	3.635	124.4	35.05	8.12	29.31	0.02
11/25/21 15:00	3.355	95.9	23.18	7.927	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
11/25/21 15:15	5.445	89.1	7.566	7.858	29.28	0
11/25/21 15:30	3.12	338.9	33	7.905	29.28	0
11/25/21 15:45	4.546	4.676	23.47	7.756	29.29	0.01
11/25/21 16:00	6.973	290.3	30.64	7.498	29.3	0
11/25/21 16:15	6.326	297.4	9.15	7.394	29.3	0.01
11/25/21 16:30	5.593	313.3	7.15	7.002	29.31	0.02
11/25/21 16:45	6.003	322.1	7.898	6.798	29.33	0.04
11/25/21 17:00	4.318	327.8	8.87	6.672	29.33	0.04
11/25/21 17:15	1.264	7.278	35.08	6.764	29.34	0.05
11/25/21 17:30	0.388	166	32.03	6.82	29.34	0.05
11/25/21 17:45	3.564	86	14.62	6.767	29.34	0.02
11/25/21 18:00	5.264	111.6	27.34	6.542	29.34	0.03
11/25/21 18:15	1.92	106.3	18.97	6.398	29.34	0.04
11/25/21 18:30	1.116	55.74	9.29	6.293	29.33	0.03
11/25/21 18:45	2.089	88.5	11.99	6.245	29.33	0.02
11/25/21 19:00	2.767	118.2	12.77	6.268	29.33	0.01
11/25/21 19:15	0.448	128.6	17.95	6.368	29.34	0.01
11/25/21 19:30	3.782	95.1	14.25	6.431	29.35	0.02
11/25/21 19:45	5.862	111.6	11.33	6.322	29.34	0.02
11/25/21 20:00	6.587	114.7	8.12	6.49	29.33	0.03
11/25/21 20:15	8.01	115.9	8.58	6.666	29.32	0.04
11/25/21 20:30	8.56	119.4	8.98	6.821	29.32	0.02
11/25/21 20:45	8.58	118	7.055	6.874	29.3	0.02
11/25/21 21:00	4.944	94.2	19.34	7.158	29.3	0
11/25/21 21:15	5.515	111	12.1	7.518	29.3	0
11/25/21 21:30	5.25	124	9.37	7.838	29.3	0
11/25/21 21:45	3.011	102.4	28.14	8.26	29.29	0
11/25/21 22:00	0.884	29.25	7.543	8.63	29.29	0.01
11/25/21 22:15	3.547	109.1	78.17	8.84	29.29	0
11/25/21 22:30	4.586	180.2	17.43	8.51	29.29	0
11/25/21 22:45	1.358	76.84	44.49	8.34	29.29	0
11/25/21 23:00	1.962	139.4	24.89	8.27	29.29	0.02
11/25/21 23:15	2.54	145.4	20.1	8.19	29.29	0.01
11/25/21 23:30	3.029	135.7	12.96	8.06	29.29	0.02
11/25/21 23:45	2.785	159.6	28.29	8.05	29.29	0.01
11/26/21 0:00	2.47	147.2	23.26	8.1	29.29	0.02
11/26/21 0:15	2.558	143.8	19.99	8.17	29.29	0.01
11/26/21 0:30	2.577	166.7	32.32	8.14	29.29	0.01
11/26/21 0:45	4.214	132.6	9.5	8.06	29.28	0.01
11/26/21 1:00	5.631	120.3	7.273	8.22	29.28	0.01
11/26/21 1:15	4.938	110.1	9.45	8.34	29.27	0.01
11/26/21 1:30	4.906	100.5	12.2	8.49	29.28	0.03
11/26/21 1:45	3.921	97.1	22.17	8.66	29.29	0.01
11/26/21 2:00	4.752	127.9	8.16	8.69	29.29	0.01
11/26/21 2:15	3.882	125.7	7.926	8.79	29.29	0
11/26/21 2:30	4.46	148.8	18.85	8.73	29.3	0
11/26/21 2:45	4.769	124.4	7.654	8.79	29.31	0.01
11/26/21 3:00	6.378	128.4	10.38	8.75	29.3	0
11/26/21 3:15	8.11	139.3	7.159	8.75	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
11/26/21 3:30	9.18	145.7	6.946	8.76	29.29	0.01
11/26/21 3:45	9.36	154.4	10.27	8.81	29.29	0
11/26/21 4:00	8.78	148.7	6.617	8.86	29.29	0
11/26/21 4:15	8.56	147.7	7.552	8.93	29.3	0
11/26/21 4:30	7.793	164.1	11.31	9.01	29.3	0
11/26/21 4:45	7.442	152.5	15.44	9.04	29.3	0
11/26/21 5:00	8.03	150.9	17.34	9.23	29.3	0
11/26/21 5:15	10.82	170.8	8.98	9.25	29.3	0
11/26/21 5:30	10.72	168.8	9.5	9.23	29.3	0
11/26/21 5:45	10.74	171.3	7.853	9.21	29.3	0
11/26/21 6:00	11.52	174.8	8.14	9.21	29.31	0
11/26/21 6:15	11.9	178.8	9.42	9.26	29.31	0
11/26/21 6:30	10.12	172.8	8.71	9.37	29.31	0
11/26/21 6:45	8.57	175.3	15.07	9.45	29.31	0
11/26/21 7:00	6.475	148	32.4	9.5	29.31	0
11/26/21 7:15	8.47	168.7	9.74	9.51	29.32	0
11/26/21 7:30	8.89	182.9	10.24	9.51	29.32	0
11/26/21 7:45	8.72	178	9.35	9.49	29.33	0
11/26/21 8:00	7.737	174.4	11.3	9.5	29.33	0
11/26/21 8:15	8.51	176.5	10.51	9.55	29.34	0
11/26/21 8:30	8.65	178.4	9.68	9.58	29.34	0
11/26/21 8:45	9.27	186.8	9.1	9.47	29.35	0
11/26/21 9:00	9.91	183.6	9.09	9.22	29.35	0
11/26/21 9:15	9	173.6	9.16	9.07	29.35	0
11/26/21 9:30	7.236	177.2	12.58	9.25	29.36	0.01
11/26/21 9:45	8.11	178.3	9.64	9.36	29.36	0
11/26/21 10:00	9.65	175.5	9.94	9.45	29.36	0.01
11/26/21 10:15	11.08	183.2	10.55	9.67	29.36	0
11/26/21 10:30	12.89	179	8.97	9.81	29.36	0
11/26/21 10:45	13.25	185.4	8.73	9.99	29.37	0
11/26/21 11:00	12.29	180.8	11.22	10.17	29.37	0
11/26/21 11:15	11.8	184.5	10	10.35	29.37	0
11/26/21 11:30	12.24	190.9	10.15	10.56	29.37	0
11/26/21 11:45	11.17	191.4	10.02	10.63	29.38	0
11/26/21 12:00	11.65	183.3	9.4	10.83	29.37	0
11/26/21 12:15	10.58	185.9	9.66	11.03	29.37	0
11/26/21 12:30	9.73	196.4	11.17	11.05	29.37	0
11/26/21 12:45	12.03	194.7	8.29	11.15	29.37	0
11/26/21 13:00	13.56	206	10.26	11.18	29.37	0
11/26/21 13:15	12.03	202.3	7.734	11.24	29.37	0
11/26/21 13:30	10.54	205.1	8.64	11.33	29.37	0
11/26/21 13:45	9.3	210.5	10.71	11.17	29.37	0
11/26/21 14:00	8.55	207.4	7.362	11.04	29.37	0
11/26/21 14:15	6.241	205.1	12.84	11.03	29.37	0
11/26/21 14:30	5.434	207.3	13.99	11.08	29.37	0
11/26/21 14:45	5.208	276.7	18.76	10.73	29.37	0
11/26/21 15:00	4.065	283.2	12.19	10.41	29.37	0
11/26/21 15:15	5.705	288.9	14.23	10.23	29.37	0
11/26/21 15:30	4.886	286.3	13.69	10	29.37	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
11/26/21 15:45	4.118	291.5	12.99	9.87	29.37	0
11/26/21 16:00	3.151	310.7	9.99	9.76	29.37	0
11/26/21 16:15	3.409	337.8	14.28	9.6	29.37	0
11/26/21 16:30	4.39	16.06	9.2	9.15	29.37	0
11/26/21 16:45	4.728	12.23	9.6	8.52	29.37	0
11/26/21 17:00	5.873	22.54	9.13	8.21	29.38	0
11/26/21 17:15	3.955	13.52	5.985	8.04	29.38	0
11/26/21 17:30	5.066	21.38	10.37	7.919	29.38	0
11/26/21 17:45	3.262	26.02	13.71	7.883	29.38	0
11/26/21 18:00	3.349	26.59	15.26	7.785	29.38	0
11/26/21 18:15	3.949	14.06	10.23	7.697	29.38	0
11/26/21 18:30	4.557	18.88	9.42	7.641	29.38	0
11/26/21 18:45	4.418	19.5	9.39	7.595	29.37	0
11/26/21 19:00	4.085	14.99	9.64	7.607	29.37	0
11/26/21 19:15	3.002	25.55	8.94	7.585	29.36	0
11/26/21 19:30	3.073	34.39	10.14	7.543	29.36	0
11/26/21 19:45	1.636	19.52	11.56	7.526	29.36	0
11/26/21 20:00	2.253	143	46.67	7.949	29.36	0
11/26/21 20:15	3.435	212.4	22.22	8.44	29.37	0
11/26/21 20:30	3.65	168.8	19.25	8.79	29.38	0
11/26/21 20:45	2.868	158.6	11.92	8.54	29.37	0
11/26/21 21:00	3.55	126.4	17.8	8.57	29.37	0
11/26/21 21:15	3.811	97	12.41	8.49	29.37	0
11/26/21 21:30	3.245	102.2	46.22	8.61	29.37	0
11/26/21 21:45	3.625	110.3	45.66	8.74	29.37	0
11/26/21 22:00	5.291	132.3	7.835	8.85	29.37	0
11/26/21 22:15	3.25	139.1	31.74	8.92	29.37	0
11/26/21 22:30	4.076	122.9	5.961	8.98	29.36	0
11/26/21 22:45	4.252	113.4	7.362	8.99	29.35	0
11/26/21 23:00	3.778	126.7	16.64	8.94	29.35	0
11/26/21 23:15	4.447	144.7	9.93	8.96	29.34	0
11/26/21 23:30	2.617	153.5	13.16	9.14	29.36	0
11/26/21 23:45	2.98	294.6	58.77	8.88	29.36	0
11/27/21 0:00	2.549	4.613	17.39	8.34	29.36	0
11/27/21 0:15	3.325	337.6	15.53	8.42	29.36	0
11/27/21 0:30	2.859	312.2	8.61	8.44	29.35	0
11/27/21 0:45	1.243	15.25	17.87	8.33	29.35	0
11/27/21 1:00	1.631	9.93	16.6	7.936	29.35	0
11/27/21 1:15	0.629	9.91	8.7	8.02	29.35	0
11/27/21 1:30	0	0	0	8.07	29.35	0
11/27/21 1:45	1.013	89.4	59.7	8.04	29.35	0
11/27/21 2:00	1.593	151	36.19	8.26	29.35	0
11/27/21 2:15	2.311	80.6	5.269	8.07	29.34	0
11/27/21 2:30	1.899	78.36	5.513	7.996	29.34	0
11/27/21 2:45	0.627	77.62	8.4	8.03	29.34	0
11/27/21 3:00	2.261	135.7	13.57	8.15	29.34	0
11/27/21 3:15	3.318	179.6	17.38	8.25	29.33	0
11/27/21 3:30	3.156	135.5	12.58	8.14	29.32	0
11/27/21 3:45	3.229	119.6	8.13	7.991	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
11/27/21 4:00	2.532	125.8	15.36	8.02	29.31	0
11/27/21 4:15	2.635	124.5	8.04	8.06	29.3	0
11/27/21 4:30	3.23	170.8	20.24	7.98	29.3	0
11/27/21 4:45	3.233	155.8	10.76	8.03	29.29	0
11/27/21 5:00	2.299	142.5	10.85	8.02	29.29	0
11/27/21 5:15	1.134	117.9	29.74	8.11	29.28	0
11/27/21 5:30	0.696	30.96	10.5	8.1	29.28	0.01
11/27/21 5:45	2.214	176.5	24.82	8.23	29.28	0
11/27/21 6:00	2.682	152.6	18.35	8.26	29.27	0
11/27/21 6:15	2.274	69.76	5.474	8.21	29.26	0
11/27/21 6:30	2.89	113.1	23.88	8.28	29.26	0
11/27/21 6:45	4.257	141.2	5.39	8.83	29.26	0
11/27/21 7:00	3.637	146.9	11.54	8.9	29.25	0
11/27/21 7:15	3.024	148.6	19.8	8.79	29.25	0
11/27/21 7:30	5.037	156.8	10.85	9.46	29.26	0
11/27/21 7:45	3.812	145.3	14	9.49	29.25	0
11/27/21 8:00	2.475	137.8	15.09	9.3	29.25	0
11/27/21 8:15	4.106	155.3	20.98	9.51	29.25	0
11/27/21 8:30	4.919	172.4	16.31	9.1	29.26	0
11/27/21 8:45	3.466	133.6	15.81	9.39	29.26	0
11/27/21 9:00	2.537	113.6	16.94	9.05	29.26	0
11/27/21 9:15	5.625	139.2	10.13	9.2	29.25	0
11/27/21 9:30	7.239	144.6	8.19	9.8	29.25	0
11/27/21 9:45	6.99	131.4	11.62	10.13	29.25	0
11/27/21 10:00	7.786	128.3	8.54	10.4	29.25	0
11/27/21 10:15	6.359	126.4	11.69	10.5	29.25	0
11/27/21 10:30	6.039	126.2	15.05	10.63	29.25	0
11/27/21 10:45	7.649	121.1	11.86	10.82	29.24	0
11/27/21 11:00	9.27	113.5	13.04	10.98	29.22	0
11/27/21 11:15	9.62	123.9	13.66	11.45	29.21	0
11/27/21 11:30	7.857	120.9	18.15	11.38	29.21	0
11/27/21 11:45	6.953	126.3	19.39	11.53	29.2	0
11/27/21 12:00	9.04	138	12.5	11.99	29.19	0
11/27/21 12:15	9.87	134.6	11.78	11.97	29.18	0
11/27/21 12:30	9.93	139.5	11.39	12.02	29.18	0
11/27/21 12:45	9.74	127.8	10.35	11.8	29.17	0
11/27/21 13:00	12.17	123	9.27	11.49	29.16	0.01
11/27/21 13:15	12.17	117.2	10.02	10.82	29.15	0.01
11/27/21 13:30	10.66	115	9.77	10.52	29.15	0.01
11/27/21 13:45	13.56	118.1	11.12	10.68	29.14	0.01
11/27/21 14:00	13.65	118.7	10.74	10.94	29.13	0.01
11/27/21 14:15	10.84	117.9	12.59	11.14	29.12	0.01
11/27/21 14:30	9.67	143.2	10.28	10.96	29.13	0.03
11/27/21 14:45	6.342	127.7	13.21	10.88	29.13	0.03
11/27/21 15:00	4.998	131.1	14.35	10.82	29.13	0.03
11/27/21 15:15	5.239	124.1	11.55	10.97	29.13	0.01
11/27/21 15:30	6.449	129.5	10.09	11.11	29.13	0.02
11/27/21 15:45	6.506	121.8	10.74	11.22	29.13	0.03
11/27/21 16:00	7.027	130.1	11.73	11.32	29.12	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
11/27/21 16:15	8.01	137.9	8.3	11.43	29.12	0.03
11/27/21 16:30	6.957	142.5	8.23	11.44	29.12	0.04
11/27/21 16:45	6.704	150.6	12.79	11.21	29.12	0.04
11/27/21 17:00	7.154	135.5	9.96	11.35	29.12	0.02
11/27/21 17:15	6.482	141.4	9.3	11.45	29.12	0.02
11/27/21 17:30	6.695	133.7	7.999	11.87	29.12	0.01
11/27/21 17:45	5.144	143.3	11.18	11.88	29.13	0.02
11/27/21 18:00	4.524	122.6	7.573	11.96	29.14	0.03
11/27/21 18:15	6.883	117.8	7.299	12.26	29.12	0.03
11/27/21 18:30	7.651	129.7	18.62	12.68	29.12	0.03
11/27/21 18:45	6.483	152.1	13.86	12.42	29.13	0.03
11/27/21 19:00	8.43	138.7	9.02	12.4	29.13	0.03
11/27/21 19:15	10.25	140	8.64	12.68	29.13	0.02
11/27/21 19:30	10.58	141.5	7.314	12.62	29.13	0.03
11/27/21 19:45	10.13	138.5	7.132	12.73	29.14	0.01
11/27/21 20:00	6.451	130.5	7.745	12.88	29.15	0.01
11/27/21 20:15	6.95	126.2	9.48	12.92	29.14	0
11/27/21 20:30	7.548	132.1	8.96	13.33	29.15	0.01
11/27/21 20:45	8.56	142.7	10.05	13.69	29.15	0
11/27/21 21:00	9.55	147.9	7.918	13.79	29.16	0.01
11/27/21 21:15	8.03	150.2	7.391	13.57	29.16	0
11/27/21 21:30	7.943	154.8	14.11	13.74	29.17	0.02
11/27/21 21:45	7.606	159.4	10.35	14.02	29.17	0
11/27/21 22:00	9.94	169.7	10.24	14.33	29.17	0
11/27/21 22:15	10.87	178.2	9.44	14.34	29.18	0
11/27/21 22:30	11.42	182.5	10.48	14.42	29.18	0.01
11/27/21 22:45	8.99	176.7	13.43	14.31	29.19	0
11/27/21 23:00	11.62	169.6	13.04	14.56	29.19	0
11/27/21 23:15	10.17	187.1	10.98	14.48	29.21	0
11/27/21 23:30	10.45	182.3	12.71	14.43	29.21	0
11/27/21 23:45	12.65	187.5	11.82	14.53	29.21	0
11/28/21 0:00	12.93	185	11.7	14.6	29.22	0
11/28/21 0:15	10.38	191.8	8.7	14.48	29.22	0
11/28/21 0:30	10.09	196.3	9.61	14.42	29.23	0
11/28/21 0:45	7.966	176.1	9.27	14.37	29.23	0
11/28/21 1:00	6.511	180.7	10.9	14.32	29.24	0
11/28/21 1:15	7.849	171.2	10.79	14.26	29.24	0
11/28/21 1:30	8.74	160.4	11.76	14.31	29.24	0
11/28/21 1:45	12.01	163.3	8.81	14.55	29.23	0
11/28/21 2:00	11.48	161.9	10.09	14.53	29.22	0
11/28/21 2:15	10.59	160.2	10.34	14.56	29.23	0
11/28/21 2:30	11.74	167.7	10.04	14.57	29.22	0
11/28/21 2:45	10.47	181.9	10.79	14.59	29.23	0
11/28/21 3:00	14.5	171.8	10.87	14.83	29.22	0
11/28/21 3:15	11.3	171	11.61	14.75	29.23	0
11/28/21 3:30	12.79	179.7	11.31	14.83	29.22	0
11/28/21 3:45	11.61	185.6	12.05	14.89	29.23	0
11/28/21 4:00	11.97	184	11.88	14.87	29.23	0
11/28/21 4:15	8.91	177.8	10.23	14.68	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
11/28/21 4:30	8.9	176	10.86	14.51	29.23	0
11/28/21 4:45	11.06	179.1	13.95	14.59	29.23	0
11/28/21 5:00	7.462	181.5	13.09	14.44	29.24	0
11/28/21 5:15	8.2	186	13.67	14.47	29.24	0
11/28/21 5:30	9.18	179.2	13.86	14.31	29.23	0
11/28/21 5:45	10.94	166	11	14.08	29.22	0
11/28/21 6:00	11.14	187.2	12.02	14.04	29.23	0
11/28/21 6:15	8.94	184.5	15.06	13.92	29.23	0
11/28/21 6:30	7.063	180.4	16.3	13.8	29.23	0
11/28/21 6:45	7.011	180.6	14.77	13.7	29.23	0
11/28/21 7:00	8.35	186.5	16.16	13.55	29.23	0
11/28/21 7:15	12.33	164.1	12.26	13.7	29.22	0
11/28/21 7:30	11.64	166.4	11.05	13.63	29.22	0
11/28/21 7:45	12.61	165.6	8.77	13.6	29.22	0
11/28/21 8:00	10.75	163	11.46	13.53	29.22	0
11/28/21 8:15	10.48	158.9	10.35	13.42	29.23	0
11/28/21 8:30	10.96	151.3	12.82	13.48	29.23	0
11/28/21 8:45	8.42	136.7	9.53	13.3	29.23	0
11/28/21 9:00	9.29	148.1	9.36	13.25	29.24	0
11/28/21 9:15	11.35	144.4	8.91	13.36	29.24	0
11/28/21 9:30	12.15	146.8	9.24	13.6	29.24	0
11/28/21 9:45	12.11	163.6	9.26	13.86	29.25	0
11/28/21 10:00	12.97	163.2	8.38	14.01	29.25	0
11/28/21 10:15	12.68	168.1	10.31	14.18	29.25	0
11/28/21 10:30	13.33	169.2	9.7	14.28	29.25	0
11/28/21 10:45	14.49	172.2	9.24	14.34	29.25	0
11/28/21 11:00	15.79	176	8.87	14.42	29.25	0
11/28/21 11:15	15.08	173.7	8.51	14.44	29.25	0
11/28/21 11:30	14.1	177.2	7.933	14.48	29.25	0
11/28/21 11:45	13.23	177.1	8.75	14.55	29.25	0
11/28/21 12:00	13.98	176.3	9.19	14.63	29.24	0
11/28/21 12:15	13.02	193.8	11.84	14.63	29.25	0
11/28/21 12:30	13.13	224.4	10.01	14.03	29.26	0
11/28/21 12:45	10.18	228.4	9.53	12.53	29.26	0.01
11/28/21 13:00	5.606	240.7	12.54	11.93	29.26	0.01
11/28/21 13:15	4.344	277	17.69	11.63	29.26	0.01
11/28/21 13:30	5.885	254.2	17.5	11.58	29.27	0.02
11/28/21 13:45	4.98	229.5	15.58	11.58	29.27	0.03
11/28/21 14:00	4.285	197.6	18.32	11.57	29.27	0.03
11/28/21 14:15	5.118	188.9	24.09	11.56	29.27	0.02
11/28/21 14:30	4.405	190.7	13.01	11.55	29.27	0.02
11/28/21 14:45	6.857	176.6	16.14	11.51	29.27	0.04
11/28/21 15:00	7.734	167.2	9.79	11.51	29.27	0.02
11/28/21 15:15	7.988	165.9	9.28	11.48	29.27	0.03
11/28/21 15:30	6.9	177.2	10.93	11.45	29.28	0
11/28/21 15:45	9.89	192.1	12.71	11.48	29.29	0.01
11/28/21 16:00	11.11	196.6	11.05	11.54	29.29	0.01
11/28/21 16:15	14.28	191.4	9.13	11.5	29.29	0.02
11/28/21 16:30	12.11	192.4	8.85	11.45	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
11/28/21 16:45	12.75	188.1	10.22	11.5	29.3	0
11/28/21 17:00	12.43	189.4	10.75	11.5	29.3	0.01
11/28/21 17:15	12.94	188.3	8.89	11.5	29.31	0
11/28/21 17:30	12.83	192.1	9.53	11.52	29.31	0.01
11/28/21 17:45	12.07	193.8	10.27	11.51	29.32	0
11/28/21 18:00	10.97	198.9	9.62	11.5	29.32	0
11/28/21 18:15	10.7	200.1	9.35	11.48	29.33	0
11/28/21 18:30	8.26	198.5	11.91	11.47	29.33	0
11/28/21 18:45	9.31	194	11.91	11.46	29.33	0
11/28/21 19:00	10.29	188.6	11.59	11.47	29.33	0
11/28/21 19:15	9.65	183.4	10.93	11.49	29.33	0
11/28/21 19:30	10.38	169.2	12.94	11.53	29.33	0
11/28/21 19:45	8.35	164.7	15.17	11.56	29.33	0
11/28/21 20:00	7.315	156.3	18.67	11.53	29.34	0
11/28/21 20:15	7.636	163.2	11.11	11.56	29.34	0
11/28/21 20:30	6.868	171.3	10.99	11.56	29.35	0
11/28/21 20:45	8.09	176.1	13.37	11.57	29.35	0
11/28/21 21:00	7.407	174.2	14.98	11.55	29.35	0
11/28/21 21:15	6.18	146.1	13.38	11.49	29.35	0
11/28/21 21:30	7.087	159.7	12.28	11.43	29.35	0
11/28/21 21:45	7.48	163.7	9.92	11.47	29.35	0
11/28/21 22:00	7.787	162.5	9.51	11.47	29.35	0
11/28/21 22:15	7.112	154.9	10.44	11.32	29.35	0
11/28/21 22:30	5.083	144.4	17.74	11.08	29.35	0
11/28/21 22:45	3.469	113.6	9.3	10.99	29.35	0
11/28/21 23:00	3.766	108.3	8.12	11.06	29.36	0
11/28/21 23:15	5.11	99.8	8.22	11.13	29.35	0
11/28/21 23:30	5.311	113.5	9.41	11.18	29.35	0
11/28/21 23:45	3.794	112.7	11.71	11.21	29.36	0
11/29/21 0:00	2.94	115.6	14.48	11.22	29.35	0
11/29/21 0:15	3.132	140.7	15.52	11.17	29.35	0
11/29/21 0:30	4.448	162.5	7.948	11.15	29.36	0
11/29/21 0:45	4.665	159.4	9.7	11.2	29.36	0
11/29/21 1:00	5.193	170.1	7.797	11.13	29.36	0
11/29/21 1:15	3.755	154.2	13.84	11.06	29.35	0
11/29/21 1:30	3.943	166.1	10.06	11.02	29.36	0
11/29/21 1:45	2.749	143.8	18.18	10.96	29.36	0
11/29/21 2:00	4.266	157.2	22.24	10.98	29.36	0
11/29/21 2:15	0.906	76.51	13.59	10.91	29.36	0
11/29/21 2:30	1.459	130.1	36.61	10.88	29.37	0
11/29/21 2:45	3.525	152.5	19.38	11	29.38	0
11/29/21 3:00	1.435	84.3	25.49	10.93	29.37	0
11/29/21 3:15	3.555	111	10.81	10.81	29.37	0
11/29/21 3:30	3.342	118.6	12.72	10.77	29.36	0
11/29/21 3:45	3.8	119.1	11.62	10.7	29.35	0
11/29/21 4:00	3.138	120	15.85	10.78	29.35	0
11/29/21 4:15	2.144	133.1	14.41	10.84	29.35	0
11/29/21 4:30	3.495	155.8	15.62	10.98	29.36	0
11/29/21 4:45	4.346	142.5	15.96	11.02	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
11/29/21 5:00	6.86	145.6	5.745	10.87	29.35	0
11/29/21 5:15	5.489	149.5	11.43	10.9	29.35	0
11/29/21 5:30	2.93	142.7	11.25	10.93	29.35	0
11/29/21 5:45	4.145	159.8	12.59	11.09	29.36	0
11/29/21 6:00	4.092	151.9	14.14	11.08	29.35	0
11/29/21 6:15	3.557	150.8	14.48	10.83	29.35	0
11/29/21 6:30	5.054	178.9	12.28	11.04	29.36	0
11/29/21 6:45	3.924	153	21.75	11.05	29.36	0
11/29/21 7:00	0.939	77.61	14.77	10.89	29.37	0
11/29/21 7:15	2.66	147.4	14.48	10.93	29.37	0
11/29/21 7:30	4.177	140.6	16.84	11.01	29.37	0
11/29/21 7:45	4.764	170.4	15.74	11.02	29.38	0
11/29/21 8:00	2.059	68.42	18.3	10.79	29.38	0
11/29/21 8:15	2.466	138.3	36.55	10.82	29.39	0
11/29/21 8:30	4.097	172.9	10.35	11.09	29.4	0
11/29/21 8:45	4.96	172	9.74	11.19	29.4	0
11/29/21 9:00	4.897	165.9	13.23	11.2	29.41	0
11/29/21 9:15	5.99	169.9	12.99	11.21	29.41	0
11/29/21 9:30	4.967	167.7	9.11	11.18	29.42	0
11/29/21 9:45	4.232	134.4	18.15	11.16	29.42	0
11/29/21 10:00	4.459	128.2	11.1	11.17	29.42	0
11/29/21 10:15	5.759	143.3	10.35	11.33	29.42	0
11/29/21 10:30	4.502	161.5	20.03	11.4	29.42	0
11/29/21 10:45	6.102	149.6	12.27	11.39	29.42	0
11/29/21 11:00	6.402	163.6	15.03	11.42	29.43	0
11/29/21 11:15	4.115	143.7	16.96	11.48	29.43	0
11/29/21 11:30	4.311	150.3	18.34	11.66	29.42	0
11/29/21 11:45	5.631	187.3	13.42	11.77	29.42	0
11/29/21 12:00	4.902	178.2	14.16	11.83	29.42	0
11/29/21 12:15	5.6	175.5	14.79	12	29.42	0
11/29/21 12:30	5.017	197.8	14.12	12.27	29.42	0
11/29/21 12:45	6.509	193.6	15.73	12.52	29.42	0
11/29/21 13:00	6.734	170.6	11.4	12.67	29.42	0
11/29/21 13:15	5.379	169.5	13.33	12.82	29.41	0
11/29/21 13:30	5.494	196	9.88	12.91	29.41	0
11/29/21 13:45	4.311	200.2	14.99	12.96	29.41	0
11/29/21 14:00	4.665	197.5	13.88	13.04	29.41	0
11/29/21 14:15	9.77	207.6	12.65	13.38	29.41	0
11/29/21 14:30	9.32	208.1	7.327	13.13	29.42	0
11/29/21 14:45	8.68	205.3	9.48	13.03	29.42	0
11/29/21 15:00	8.49	191.8	12.84	12.79	29.42	0
11/29/21 15:15	5.311	160.9	10.85	12.71	29.42	0
11/29/21 15:30	3.881	168.4	10.66	12.94	29.42	0
11/29/21 15:45	4.814	159.7	14.58	12.67	29.42	0
11/29/21 16:00	4.939	127.1	8.32	12.25	29.41	0
11/29/21 16:15	5.057	120.5	6.901	12.21	29.41	0
11/29/21 16:30	5.942	126.5	7.001	12.09	29.4	0
11/29/21 16:45	7.037	123.4	8.7	12.27	29.39	0
11/29/21 17:00	5.99	122	8.34	12.16	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
11/29/21 17:15	5.113	118.7	12.04	12.04	29.38	0
11/29/21 17:30	4.711	145.7	10.98	12.18	29.39	0
11/29/21 17:45	2.79	172.8	13.73	12.4	29.4	0
11/29/21 18:00	4.274	169.7	8.24	12.13	29.4	0
11/29/21 18:15	4.59	168.5	8.51	11.79	29.4	0
11/29/21 18:30	3.928	156.5	11.58	11.5	29.4	0
11/29/21 18:45	2.205	146.4	12.36	11.48	29.4	0
11/29/21 19:00	4.469	149.5	5.058	11.34	29.4	0
11/29/21 19:15	4.224	119.4	14.06	11.45	29.4	0
11/29/21 19:30	4.764	116.7	10.94	11.58	29.39	0
11/29/21 19:45	6.096	126.1	6.002	11.95	29.39	0
11/29/21 20:00	6.118	121	12.25	12.04	29.38	0
11/29/21 20:15	6.356	124.1	5.839	12.29	29.38	0
11/29/21 20:30	1.486	59.67	15.55	12.31	29.37	0
11/29/21 20:45	1.773	62.82	16.87	12.69	29.36	0
11/29/21 21:00	2.036	42.09	16.1	12.71	29.36	0
11/29/21 21:15	3.444	111.9	73.64	12.48	29.37	0
11/29/21 21:30	4.1	174.2	11.58	12.23	29.38	0
11/29/21 21:45	4.046	198.3	8.62	12.26	29.39	0
11/29/21 22:00	3.239	180.8	8.46	12.07	29.39	0
11/29/21 22:15	3.348	173.5	6.995	11.93	29.39	0
11/29/21 22:30	4.641	217.7	18.98	11.77	29.39	0
11/29/21 22:45	4.739	265.2	7.505	11.44	29.39	0
11/29/21 23:00	2.478	250.7	14.12	11.42	29.38	0
11/29/21 23:15	1.898	171.6	35.57	11.3	29.38	0
11/29/21 23:30	2.716	85.9	12.91	10.96	29.38	0
11/29/21 23:45	0.9	61.32	25.3	11.12	29.37	0
11/30/21 0:00	3.356	141.2	21.33	11.12	29.38	0
11/30/21 0:15	5.035	142	9.15	11.19	29.37	0
11/30/21 0:30	5.186	153.1	9.06	11	29.36	0
11/30/21 0:45	4.25	171.1	23.19	10.76	29.36	0
11/30/21 1:00	4.428	156.6	15.06	10.59	29.36	0
11/30/21 1:15	2.915	138.6	9.2	10.68	29.35	0.01
11/30/21 1:30	1.729	166.8	26.78	10.91	29.36	0
11/30/21 1:45	3.322	148.5	18.49	10.69	29.35	0
11/30/21 2:00	3.82	121.9	12.06	10.37	29.33	0.01
11/30/21 2:15	4.016	105.6	18.89	10.52	29.34	0
11/30/21 2:30	5.945	139.4	7.054	10.48	29.33	0
11/30/21 2:45	7.009	135.4	9.2	10.58	29.33	0
11/30/21 3:00	6.958	135	5.929	10.64	29.34	0
11/30/21 3:15	5.292	144.9	14.53	10.7	29.34	0.01
11/30/21 3:30	6.29	170.2	16.63	10.72	29.33	0.01
11/30/21 3:45	7.466	172.8	11.06	11	29.33	0
11/30/21 4:00	5.763	178.9	9.09	10.87	29.33	0
11/30/21 4:15	6.057	171.2	15.01	10.79	29.33	0.01
11/30/21 4:30	5.198	137.5	9.49	10.54	29.32	0
11/30/21 4:45	5.14	167.7	23.7	10.63	29.31	0
11/30/21 5:00	4.566	189.6	10.67	10.76	29.32	0
11/30/21 5:15	6.348	201	12.32	10.97	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
11/30/21 5:30	9.91	213.6	8.82	11.39	29.33	0.01
11/30/21 5:45	9.96	212.1	8.82	11.44	29.33	0.01
11/30/21 6:00	6.672	195.6	9.91	11.2	29.33	0
11/30/21 6:15	5.266	177.6	13.82	11.04	29.33	0.01
11/30/21 6:30	6.296	180.2	11.79	11.03	29.32	0.01
11/30/21 6:45	7.575	206.2	10.71	11.04	29.33	0
11/30/21 7:00	11.3	215	8.36	11.14	29.34	0
11/30/21 7:15	10.22	220.5	7.839	11.02	29.34	0.01
11/30/21 7:30	8.75	212.8	11.8	10.81	29.35	0.01
11/30/21 7:45	7.574	201	12.63	10.65	29.35	0.01
11/30/21 8:00	6.209	185.5	13.45	10.47	29.34	0.01
11/30/21 8:15	10.09	205.9	11.1	10.44	29.35	0.01
11/30/21 8:30	9.44	183.4	20.11	10.52	29.35	0.01
11/30/21 8:45	6.172	170	9.73	10.44	29.35	0.01
11/30/21 9:00	4.463	153.9	16.89	10.4	29.36	0
11/30/21 9:15	4.367	158.8	15.07	10.46	29.37	0
11/30/21 9:30	4.637	149.2	17.63	10.53	29.38	0
11/30/21 9:45	3.47	147.5	17.26	10.5	29.38	0
11/30/21 10:00	8.1	194.1	19.12	10.63	29.39	0.01
11/30/21 10:15	10.79	205	10.2	10.67	29.4	0
11/30/21 10:30	13.71	195.9	10.24	10.66	29.4	0
11/30/21 10:45	13.14	190.8	9.03	10.55	29.4	0
11/30/21 11:00	13.31	182.3	9.95	10.33	29.4	0
11/30/21 11:15	13.48	175.8	8.61	10.12	29.4	0
11/30/21 11:30	12.04	171	8.63	9.93	29.4	0.01
11/30/21 11:45	8.71	164.4	8.09	9.86	29.4	0
11/30/21 12:00	9.18	147.9	9.28	9.83	29.39	0
11/30/21 12:15	9.65	134.6	7.544	9.71	29.38	0
11/30/21 12:30	8.06	132	7.955	9.69	29.37	0
11/30/21 12:45	9.48	141.8	8.68	9.83	29.37	0
11/30/21 13:00	8.2	160.2	8.23	9.94	29.37	0
11/30/21 13:15	6.929	132.9	7.568	9.91	29.37	0
11/30/21 13:30	6.632	130.1	7.891	10.04	29.36	0
11/30/21 13:45	7.936	137.5	6.659	10.08	29.36	0
11/30/21 14:00	8.88	140.2	6.291	10.24	29.36	0
11/30/21 14:15	8.82	134.2	9.83	10.57	29.35	0
11/30/21 14:30	6.998	144.1	13.36	10.7	29.37	0
11/30/21 14:45	7.423	159.2	15.03	10.82	29.37	0
11/30/21 15:00	10.12	173.7	8.59	10.97	29.38	0
11/30/21 15:15	13.29	168.8	9.57	11.1	29.38	0
11/30/21 15:30	14.3	172	8.4	11.09	29.38	0
11/30/21 15:45	12.67	160.5	8.58	11.12	29.38	0
11/30/21 16:00	11.45	156.6	11.88	11.01	29.39	0
11/30/21 16:15	11.13	162.3	7.079	11.11	29.39	0
11/30/21 16:30	12.29	163.6	7.414	11.24	29.4	0
11/30/21 16:45	12.05	160.8	8.6	11.35	29.4	0
11/30/21 17:00	12.11	169.2	8.44	11.43	29.4	0
11/30/21 17:15	14.5	171	7.814	11.52	29.4	0
11/30/21 17:30	13.71	169.8	7.854	11.59	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
11/30/21 17:45	13.77	172	8.54	11.65	29.4	0
11/30/21 18:00	12.95	168.2	10.03	11.7	29.4	0
11/30/21 18:15	12.3	164.5	8.92	11.69	29.4	0
11/30/21 18:30	12.77	167.5	8.74	11.78	29.41	0
11/30/21 18:45	12.58	167.4	9.74	11.81	29.41	0
11/30/21 19:00	12.83	173.1	9.23	11.74	29.41	0
11/30/21 19:15	13.38	173.2	10.47	11.78	29.42	0
11/30/21 19:30	13.92	176.3	8.83	11.85	29.41	0
11/30/21 19:45	12.67	174.6	11.37	11.78	29.42	0
11/30/21 20:00	12.75	172.9	8.64	11.59	29.43	0.01
11/30/21 20:15	11.28	173.5	10.45	11.45	29.43	0
11/30/21 20:30	10.78	173.9	12.51	11.49	29.43	0
11/30/21 20:45	10.57	169.4	11.95	11.35	29.43	0
11/30/21 21:00	10.77	157.7	13.01	11.32	29.42	0
11/30/21 21:15	9.03	138.8	14.1	11.26	29.42	0
11/30/21 21:30	8.54	155.1	12.58	11.34	29.43	0
11/30/21 21:45	10.64	155.2	11.44	11.49	29.42	0
11/30/21 22:00	8.81	143.4	8.92	11.56	29.43	0
11/30/21 22:15	8.85	136.3	9.45	11.51	29.42	0
11/30/21 22:30	9.37	146.1	10.22	11.68	29.42	0
11/30/21 22:45	8.58	140.9	10.89	11.77	29.42	0
11/30/21 23:00	9.14	157.6	15.05	11.88	29.42	0
11/30/21 23:15	8.02	170.8	11.4	11.96	29.42	0
11/30/21 23:30	6.543	167.5	11.58	11.99	29.42	0
11/30/21 23:45	6.628	175.2	11.85	11.95	29.41	0
12/1/21 0:00	6.433	165.4	10.7	11.86	29.41	0
12/1/21 0:15	6.158	164.9	13.71	11.91	29.41	0
12/1/21 0:30	5.495	149.3	11.77	11.72	29.41	0
12/1/21 0:45	5.61	130.1	8.86	11.55	29.4	0
12/1/21 1:00	6.428	116.8	11.58	11.58	29.39	0
12/1/21 1:15	6.053	119.8	13.68	11.75	29.39	0
12/1/21 1:30	8.14	142.5	9.76	11.82	29.39	0
12/1/21 1:45	8.92	135.3	10.42	11.83	29.38	0
12/1/21 2:00	7.308	132.1	13.44	11.82	29.38	0
12/1/21 2:15	4.397	130.3	14.79	11.68	29.39	0
12/1/21 2:30	6.215	137.2	13.28	11.69	29.38	0
12/1/21 2:45	6.85	137.3	12.04	11.72	29.37	0
12/1/21 3:00	8.83	141.4	7.337	11.78	29.36	0
12/1/21 3:15	6.548	137.7	9.88	11.87	29.36	0
12/1/21 3:30	8.19	146.3	7.738	11.9	29.36	0
12/1/21 3:45	8.41	149.1	6.5	11.92	29.36	0
12/1/21 4:00	8.08	149	7.832	11.9	29.35	0
12/1/21 4:15	8.12	152.2	10.21	12.07	29.35	0
12/1/21 4:30	10.03	164.2	9.38	12.68	29.36	0
12/1/21 4:45	8.29	161.4	12.21	12.47	29.36	0
12/1/21 5:00	9.33	159	14.02	12.49	29.35	0
12/1/21 5:15	9.18	174.7	8.03	12.81	29.35	0
12/1/21 5:30	6.648	171.9	11.55	12.69	29.36	0
12/1/21 5:45	4.67	184.2	14.28	12.52	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
12/1/21 6:00	5.55	174.6	9.45	12.45	29.37	0
12/1/21 6:15	5.733	162.5	9.38	12.41	29.37	0
12/1/21 6:30	5.291	164.6	10.35	12.47	29.38	0
12/1/21 6:45	5.146	173.8	5.384	12.36	29.38	0
12/1/21 7:00	7.084	171.7	5.535	12.29	29.38	0
12/1/21 7:15	9.76	168.1	7.199	12.43	29.37	0
12/1/21 7:30	14.13	171	8.83	12.58	29.37	0
12/1/21 7:45	13.12	172.2	7.416	12.46	29.36	0
12/1/21 8:00	11.03	165.4	6.942	12.43	29.36	0
12/1/21 8:15	9.4	161.1	9.92	12.44	29.36	0
12/1/21 8:30	9.22	161.2	9	12.4	29.36	0
12/1/21 8:45	9.16	169.4	8.85	12.53	29.36	0
12/1/21 9:00	9.86	164.4	9.36	12.56	29.36	0
12/1/21 9:15	9.66	164.9	8.5	12.6	29.36	0
12/1/21 9:30	10.82	160.5	8.03	12.49	29.35	0
12/1/21 9:45	10.02	160.1	9.42	12.62	29.34	0
12/1/21 10:00	8.58	155.4	11.59	12.76	29.35	0
12/1/21 10:15	8.66	163.8	10.55	12.83	29.35	0
12/1/21 10:30	7.975	163.4	6.455	12.97	29.35	0
12/1/21 10:45	7.386	174.1	11.58	13	29.35	0
12/1/21 11:00	8.84	183.6	12.71	13.15	29.36	0
12/1/21 11:15	9.16	184.7	13.24	13.41	29.35	0
12/1/21 11:30	7.925	166.9	13.5	13.53	29.35	0
12/1/21 11:45	8.64	165.5	10.96	13.56	29.34	0
12/1/21 12:00	10.42	160.1	11.4	13.58	29.33	0
12/1/21 12:15	10.84	160.2	9.8	13.57	29.33	0
12/1/21 12:30	10.35	163.4	12.84	13.49	29.33	0
12/1/21 12:45	9.36	167.3	11.07	13.49	29.32	0
12/1/21 13:00	8.04	168.6	10.59	13.47	29.32	0
12/1/21 13:15	6.781	171.3	10.44	13.5	29.32	0
12/1/21 13:30	6.636	168.3	11.61	13.54	29.31	0
12/1/21 13:45	6.373	155.5	13.64	13.59	29.31	0
12/1/21 14:00	6.452	140.3	10.72	13.46	29.3	0
12/1/21 14:15	7.052	146.5	9.33	13.38	29.3	0
12/1/21 14:30	7.653	140.8	10.01	13.26	29.3	0
12/1/21 14:45	5.416	170.8	14.43	13.25	29.3	0
12/1/21 15:00	7.946	148.9	8.86	13.05	29.29	0
12/1/21 15:15	8.91	163.2	10.63	13.05	29.29	0
12/1/21 15:30	9.43	170.7	9.64	13.04	29.28	0
12/1/21 15:45	9.48	171.9	9.22	12.97	29.28	0
12/1/21 16:00	8.63	176.7	10.94	12.88	29.28	0
12/1/21 16:15	8.23	175.7	14.62	12.76	29.28	0
12/1/21 16:30	8.89	175.3	10.97	12.65	29.28	0
12/1/21 16:45	7.049	165.8	14.44	12.52	29.28	0
12/1/21 17:00	7.495	161.2	11.35	12.51	29.28	0
12/1/21 17:15	7.061	154.3	13.79	12.36	29.28	0
12/1/21 17:30	7.7	150.4	10.17	12.28	29.28	0
12/1/21 17:45	7.596	160.4	9.2	12.33	29.28	0
12/1/21 18:00	6.02	170.1	13.63	12.33	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/1/21 18:15	6.625	185.4	20.98	12.31	29.28	0
12/1/21 18:30	5.51	184.9	20.55	12.2	29.28	0
12/1/21 18:45	6.473	171.5	14.04	12.11	29.28	0
12/1/21 19:00	8.18	159.7	11.41	12.04	29.28	0
12/1/21 19:15	7.5	158.3	13.24	11.96	29.28	0
12/1/21 19:30	6.692	171.2	13.53	11.97	29.28	0
12/1/21 19:45	6.71	173.6	15.04	11.96	29.29	0
12/1/21 20:00	7.089	189	12.24	11.89	29.29	0
12/1/21 20:15	10.79	181.6	14.61	11.81	29.29	0
12/1/21 20:30	11.17	183.6	10.63	11.66	29.29	0
12/1/21 20:45	10.23	187.2	11.22	11.56	29.3	0
12/1/21 21:00	11.81	186.6	10.55	11.47	29.3	0
12/1/21 21:15	9.95	182.7	13.34	11.37	29.3	0
12/1/21 21:30	9.28	180.5	11.97	11.35	29.31	0
12/1/21 21:45	9.87	202.9	14.66	11.37	29.31	0
12/1/21 22:00	8.78	198.9	9.34	11.32	29.31	0
12/1/21 22:15	10.58	207.6	10.68	11.3	29.32	0
12/1/21 22:30	10.62	210.3	8.2	11.28	29.32	0
12/1/21 22:45	9.19	206.3	9.35	11.24	29.32	0
12/1/21 23:00	9.38	205.1	8.81	11.26	29.32	0
12/1/21 23:15	8.2	206.4	9.95	11.23	29.33	0
12/1/21 23:30	7.379	194.2	13.69	11.2	29.33	0
12/1/21 23:45	8.89	186.6	11.11	11.14	29.33	0
12/2/21 0:00	7.444	200.6	11.32	11.09	29.33	0
12/2/21 0:15	6.946	189.5	11.72	11	29.33	0
12/2/21 0:30	7.759	193.6	13.57	10.96	29.33	0
12/2/21 0:45	7.551	195.2	12.4	10.97	29.33	0
12/2/21 1:00	6.938	195.6	11.86	10.9	29.33	0
12/2/21 1:15	7.244	204	12.2	10.86	29.33	0
12/2/21 1:30	7.364	228.6	9.59	10.84	29.34	0
12/2/21 1:45	6.635	225	14	10.78	29.34	0
12/2/21 2:00	5.3	223.5	12.4	10.7	29.34	0
12/2/21 2:15	6.292	222.8	10.6	10.61	29.34	0
12/2/21 2:30	5.136	205.4	21.4	10.53	29.34	0
12/2/21 2:45	7.007	221.8	11.52	10.4	29.34	0
12/2/21 3:00	6.379	215.2	10.2	10.27	29.34	0
12/2/21 3:15	4.91	255.6	12.91	10.12	29.35	0
12/2/21 3:30	8.47	268.2	11.89	9.81	29.37	0
12/2/21 3:45	6.566	251.1	13.87	9.55	29.35	0
12/2/21 4:00	7.353	235.2	9.37	9.46	29.36	0
12/2/21 4:15	6.628	228.6	8.98	9.36	29.36	0
12/2/21 4:30	6.127	232.9	9.13	9.38	29.37	0
12/2/21 4:45	7.724	225.2	8.23	9.29	29.37	0
12/2/21 5:00	6.398	234.5	9.35	9.2	29.36	0
12/2/21 5:15	5.217	239.9	6.616	9.16	29.36	0
12/2/21 5:30	4.8	193.6	22.03	9.11	29.36	0
12/2/21 5:45	6.142	176.1	9.76	9	29.37	0
12/2/21 6:00	6.36	171.9	7.782	8.9	29.38	0
12/2/21 6:15	3.817	168.7	19.21	8.89	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
12/2/21 6:30	3.029	61.39	43.74	8.63	29.38	0
12/2/21 6:45	9	346.7	32.9	7.367	29.39	0
12/2/21 7:00	12.11	27.69	12.94	6.64	29.38	0
12/2/21 7:15	11.63	20.23	14.11	6.317	29.39	0.01
12/2/21 7:30	9.33	22.59	17.39	6.194	29.4	0
12/2/21 7:45	10.02	27.93	11.93	6.023	29.4	0
12/2/21 8:00	9.41	25.53	11.61	5.978	29.41	0.01
12/2/21 8:15	6.377	34.18	17.88	5.962	29.41	0
12/2/21 8:30	5.288	34.98	18.63	6.001	29.41	0
12/2/21 8:45	3.636	8.2	34.86	6.061	29.43	0
12/2/21 9:00	2.94	41.12	40.83	6.254	29.44	0.01
12/2/21 9:15	2.19	63.8	56.05	6.097	29.44	0
12/2/21 9:30	5.021	357.1	21.38	6.182	29.45	0.01
12/2/21 9:45	4.863	37.79	19.95	6.103	29.45	0
12/2/21 10:00	6.276	39.61	16.22	6.066	29.45	0
12/2/21 10:15	4.863	36.19	20.37	6.224	29.45	0
12/2/21 10:30	3.512	29.95	21.23	6.412	29.46	0
12/2/21 10:45	4.934	48.2	17.98	6.401	29.46	0
12/2/21 11:00	3.933	26.53	18.51	6.537	29.46	0
12/2/21 11:15	3.815	19.26	22.51	6.876	29.47	0
12/2/21 11:30	4.941	25.37	22.08	7.006	29.47	0
12/2/21 11:45	7.344	21.06	16.07	6.631	29.46	0
12/2/21 12:00	6.724	13.95	16.9	6.591	29.46	0
12/2/21 12:15	4.674	22.57	18.23	6.579	29.46	0
12/2/21 12:30	5.31	12.3	20.36	6.665	29.47	0
12/2/21 12:45	8.37	18.77	15.21	6.693	29.47	0
12/2/21 13:00	9.11	4.76	19.72	6.794	29.47	0
12/2/21 13:15	7.786	1.722	18.5	6.8	29.47	0
12/2/21 13:30	7.276	351.4	19.76	6.629	29.47	0
12/2/21 13:45	6.938	331.8	17.38	6.647	29.47	0
12/2/21 14:00	4.388	323.6	22.87	6.646	29.48	0
12/2/21 14:15	5.353	348.8	31.66	6.383	29.48	0
12/2/21 14:30	5.106	352.2	27.44	6.191	29.48	0
12/2/21 14:45	4.949	14.51	19.85	5.965	29.48	0
12/2/21 15:00	4.907	8.28	19.51	5.815	29.48	0
12/2/21 15:15	5.062	352.6	19.73	5.703	29.48	0
12/2/21 15:30	5.219	346.6	20.05	5.808	29.48	0
12/2/21 15:45	5.256	323.8	23.25	5.725	29.48	0
12/2/21 16:00	6.79	305.4	10.23	5.588	29.48	0
12/2/21 16:15	7.062	325.8	12.72	5.626	29.49	0
12/2/21 16:30	6.13	334.6	17.32	5.6	29.49	0
12/2/21 16:45	6.617	334.6	13.89	5.697	29.49	0
12/2/21 17:00	8.57	345.9	17.05	5.624	29.5	0
12/2/21 17:15	5.507	338.9	19.74	5.425	29.49	0
12/2/21 17:30	4.862	340.8	14.35	5.159	29.5	0
12/2/21 17:45	3.698	357.4	18.76	4.667	29.5	0
12/2/21 18:00	5.019	21.46	9.55	4.191	29.5	0
12/2/21 18:15	5.606	28.49	6.463	4.004	29.5	0
12/2/21 18:30	5.831	32.14	9.45	3.975	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
12/2/21 18:45	7.169	31.19	10.03	4.248	29.49	0
12/2/21 19:00	4.942	39.07	11.69	4.149	29.5	0
12/2/21 19:15	4.846	31.27	9.13	4.064	29.5	0
12/2/21 19:30	3.885	21.03	9.1	3.993	29.51	0
12/2/21 19:45	4.297	20.65	7.33	3.888	29.51	0
12/2/21 20:00	4.473	23.52	8.14	3.73	29.52	0
12/2/21 20:15	5.474	22.62	10.41	3.797	29.52	0
12/2/21 20:30	6.161	15.24	10.17	3.789	29.52	0
12/2/21 20:45	6.407	17.45	10.01	3.715	29.51	0
12/2/21 21:00	5.139	15.16	12.46	3.687	29.52	0
12/2/21 21:15	3.058	16.34	13.17	3.699	29.52	0
12/2/21 21:30	2.401	18.84	12.22	3.689	29.53	0
12/2/21 21:45	3.98	20.75	10.11	3.49	29.52	0
12/2/21 22:00	1.646	40	22.04	3.258	29.52	0
12/2/21 22:15	0.593	21.3	23.91	3.297	29.52	0
12/2/21 22:30	1.424	19.69	66.26	3.586	29.52	0
12/2/21 22:45	2.705	27.14	23.61	3.287	29.52	0
12/2/21 23:00	1.171	8.3	35.68	3.381	29.52	0
12/2/21 23:15	4.091	328.1	31.95	3.497	29.52	0
12/2/21 23:30	3.977	356.7	27.93	3.591	29.52	0
12/2/21 23:45	2.984	345	22.25	3.499	29.53	0
12/3/21 0:00	1.989	25.31	40.27	3.321	29.52	0
12/3/21 0:15	4.058	26.2	29.23	3.212	29.5	0
12/3/21 0:30	5.317	14.19	17.48	3.314	29.51	0
12/3/21 0:45	3.812	18.31	25.8	3.414	29.51	0
12/3/21 1:00	2.673	45.54	30.49	3.044	29.51	0
12/3/21 1:15	2.137	349.7	26.45	2.987	29.51	0
12/3/21 1:30	4.432	356	43.47	3.196	29.51	0
12/3/21 1:45	4.873	31.52	18.36	3.03	29.5	0
12/3/21 2:00	5.422	22.79	13.42	2.828	29.5	0
12/3/21 2:15	4.46	13.3	15.79	2.807	29.51	0
12/3/21 2:30	6.281	19.97	11.99	2.84	29.5	0
12/3/21 2:45	8.96	11.18	9.64	2.32	29.5	0
12/3/21 3:00	8.57	17.46	10.25	2.384	29.5	0
12/3/21 3:15	6.531	14.24	14.64	2.276	29.49	0
12/3/21 3:30	5.51	12.75	18.08	2.279	29.5	0
12/3/21 3:45	6.225	357.6	16.62	2.471	29.5	0
12/3/21 4:00	6.031	333.1	22.14	2.357	29.5	0
12/3/21 4:15	5.252	322.8	21.35	2.2	29.51	0
12/3/21 4:30	7.159	333.8	19.01	2.198	29.51	0
12/3/21 4:45	6.227	2.479	21.48	1.988	29.51	0
12/3/21 5:00	6.85	12.38	15.93	1.552	29.49	0
12/3/21 5:15	3.644	67.1	27.82	1.089	29.49	0
12/3/21 5:30	3.003	19.57	36.44	1.291	29.5	0
12/3/21 5:45	1.34	68.83	49.44	1.628	29.5	0
12/3/21 6:00	1.681	0.487	51.28	1.843	29.51	0
12/3/21 6:15	2.495	4.697	47.93	1.861	29.5	0
12/3/21 6:30	2.346	334.9	55.07	1.659	29.49	0
12/3/21 6:45	2.852	322.2	39.03	1.709	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
12/3/21 7:00	2.789	352	34.17	1.836	29.49	0
12/3/21 7:15	3.395	358.4	32.99	1.843	29.49	0
12/3/21 7:30	6.162	9.89	27.46	2.271	29.5	0
12/3/21 7:45	9.59	10.66	15.48	2.269	29.49	0
12/3/21 8:00	8.37	19.55	11.22	2.09	29.49	0
12/3/21 8:15	7.658	15.34	16.74	2.065	29.47	0
12/3/21 8:30	9.13	6.051	16.2	2.19	29.47	0
12/3/21 8:45	8.37	19.41	12.32	2.269	29.47	0
12/3/21 9:00	10.62	10.62	12.03	2.26	29.47	0
12/3/21 9:15	9.28	11.18	13.68	2.309	29.47	0
12/3/21 9:30	10.01	9.74	14.78	2.324	29.47	0
12/3/21 9:45	5.973	18.38	18.52	2.324	29.47	0
12/3/21 10:00	10.73	10.51	13.49	2.464	29.46	0
12/3/21 10:15	7.631	9.18	16.97	2.526	29.47	0
12/3/21 10:30	9.69	11.69	13.38	2.553	29.46	0
12/3/21 10:45	10.86	6.066	17.07	2.691	29.47	0
12/3/21 11:00	9.51	11.48	14.88	2.693	29.46	0
12/3/21 11:15	10.13	10.32	12.36	2.673	29.46	0
12/3/21 11:30	9.95	12.9	10.95	2.762	29.45	0
12/3/21 11:45	10.09	358.3	17.9	2.794	29.43	0
12/3/21 12:00	9.38	357.1	18.49	3.021	29.42	0
12/3/21 12:15	9.87	347.3	14.46	3.327	29.42	0
12/3/21 12:30	10.14	353.2	14.52	3.528	29.42	0
12/3/21 12:45	8.63	1.625	16.57	3.598	29.41	0
12/3/21 13:00	9.78	4.755	16.44	3.424	29.41	0
12/3/21 13:15	8.87	10.51	12.05	3.265	29.4	0
12/3/21 13:30	9.43	10.7	11.85	3.119	29.39	0
12/3/21 13:45	9.64	10.43	11.9	3.158	29.39	0
12/3/21 14:00	9.06	12.32	13.59	3.38	29.39	0
12/3/21 14:15	9.55	11.88	10.05	3.099	29.39	0
12/3/21 14:30	10.53	16.01	11.86	2.905	29.39	0
12/3/21 14:45	11.12	2.453	17	2.716	29.38	0
12/3/21 15:00	10.43	1.979	16.26	2.543	29.37	0
12/3/21 15:15	8.76	358.1	17.35	2.568	29.37	0
12/3/21 15:30	9.59	7.599	15.15	2.438	29.37	0
12/3/21 15:45	11.73	7.292	13.11	2.28	29.37	0
12/3/21 16:00	11.84	4.478	15.78	2.197	29.36	0
12/3/21 16:15	11.99	6.272	14.67	2.193	29.35	0
12/3/21 16:30	12.2	3.418	17.68	2.021	29.35	0
12/3/21 16:45	13.53	5.791	16.62	2.012	29.35	0
12/3/21 17:00	14.07	9.4	14.24	2.046	29.35	0
12/3/21 17:15	13.02	15.12	11.16	2.049	29.34	0
12/3/21 17:30	12.96	14.63	10.46	2.007	29.33	0
12/3/21 17:45	12	8.57	14.67	2.007	29.32	0
12/3/21 18:00	10.6	18.98	14.37	2.037	29.33	0
12/3/21 18:15	9	16.65	13.74	2.114	29.33	0
12/3/21 18:30	8.25	14.75	14.17	2.168	29.33	0
12/3/21 18:45	10.18	18.9	9.44	2.105	29.32	0
12/3/21 19:00	8.53	24.34	12.24	2.025	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
12/3/21 19:15	7.111	21.42	11.55	2.017	29.31	0
12/3/21 19:30	9.06	16.02	10.43	2.073	29.31	0
12/3/21 19:45	6.435	8.21	16.14	2.049	29.31	0
12/3/21 20:00	4.824	15.65	14.76	2.01	29.3	0
12/3/21 20:15	8.82	13.88	14.31	2.076	29.28	0
12/3/21 20:30	5.454	8.96	17.16	2.075	29.29	0
12/3/21 20:45	3.729	27.81	10.05	2.142	29.29	0
12/3/21 21:00	4.977	17.03	13.21	2.191	29.28	0
12/3/21 21:15	7.741	18.34	16.61	2.145	29.28	0
12/3/21 21:30	7.619	18.65	11.17	2.175	29.29	0
12/3/21 21:45	3.049	348.7	19.25	2.123	29.3	0
12/3/21 22:00	4.378	6.315	15.09	1.992	29.29	0
12/3/21 22:15	8.36	23.95	10.07	2.13	29.27	0
12/3/21 22:30	8.74	35.8	11.71	2.142	29.27	0
12/3/21 22:45	6.099	51.19	11.53	2.125	29.27	0
12/3/21 23:00	2.836	58.18	7.878	2.021	29.26	0
12/3/21 23:15	1.866	34.55	12.54	1.944	29.26	0
12/3/21 23:30	0.441	40.31	7.559	2.03	29.26	0
12/3/21 23:45	1.978	134.8	31.5	2.125	29.25	0
12/4/21 0:00	2.566	139.1	12.75	1.964	29.24	0
12/4/21 0:15	3.197	173	28.5	2.074	29.24	0
12/4/21 0:30	2.74	228.1	8.85	2.122	29.24	0
12/4/21 0:45	1.446	224.9	18.5	2.104	29.23	0
12/4/21 1:00	1.504	339.4	33.08	2.041	29.22	0
12/4/21 1:15	0.167	8.41	2.113	1.91	29.21	0
12/4/21 1:30	0.426	20.56	4.185	1.969	29.2	0
12/4/21 1:45	1.729	16.51	6.293	1.908	29.21	0
12/4/21 2:00	2.12	7.764	12.56	1.818	29.21	0
12/4/21 2:15	0.749	25.8	8.25	1.82	29.2	0
12/4/21 2:30	0.266	46.73	4.115	1.862	29.2	0
12/4/21 2:45	1.321	64.64	7.457	1.989	29.19	0
12/4/21 3:00	0.154	49.61	6.827	2.053	29.2	0
12/4/21 3:15	0.321	306.7	43.72	2.267	29.21	0
12/4/21 3:30	0.999	90.5	29.9	2.176	29.21	0
12/4/21 3:45	1.09	40.61	15	1.975	29.21	0
12/4/21 4:00	2.01	63.64	10.17	2.031	29.2	0
12/4/21 4:15	6.31	115.7	11.41	2.186	29.2	0
12/4/21 4:30	5.687	131.5	12.5	2.426	29.21	0
12/4/21 4:45	7.373	141.5	9.33	2.371	29.21	0
12/4/21 5:00	9.51	133.9	7.232	2.428	29.21	0
12/4/21 5:15	9.53	145.2	11.7	2.431	29.2	0.01
12/4/21 5:30	8.79	156.3	9.98	2.546	29.2	0
12/4/21 5:45	8.27	170.2	10.04	2.547	29.2	0
12/4/21 6:00	7.265	172.3	15.42	2.569	29.21	0
12/4/21 6:15	4.747	170.5	16.56	2.647	29.21	0
12/4/21 6:30	6.193	180.1	13.53	2.646	29.21	0.01
12/4/21 6:45	5.254	160.1	26.09	2.606	29.21	0.02
12/4/21 7:00	4.074	102.3	33.99	2.592	29.21	0.03
12/4/21 7:15	1.753	17.24	41.92	2.529	29.22	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
12/4/21 7:30	1.441	55.43	25.57	2.566	29.21	0.02
12/4/21 7:45	3.301	131.1	34.69	2.737	29.22	0.03
12/4/21 8:00	4.578	157.5	19.1	2.952	29.22	0.03
12/4/21 8:15	5.897	170.7	15.6	2.996	29.22	0.03
12/4/21 8:30	3.191	126.3	33.77	2.948	29.23	0.03
12/4/21 8:45	5.217	160.5	32.46	2.967	29.23	0.03
12/4/21 9:00	8.67	183.9	12.34	3.043	29.24	0.01
12/4/21 9:15	6.111	191.6	6.674	2.98	29.24	0.02
12/4/21 9:30	3.446	176.9	11.02	2.924	29.25	0.01
12/4/21 9:45	2.73	145.9	22.52	2.915	29.25	0.02
12/4/21 10:00	1.736	108.7	29.6	2.916	29.26	0.02
12/4/21 10:15	3.51	111.3	13	2.915	29.26	0.01
12/4/21 10:30	4.226	95.6	10.82	2.624	29.26	0.01
12/4/21 10:45	3.24	93.5	11.21	2.477	29.26	0.01
12/4/21 11:00	3.475	102.4	11.52	2.655	29.26	0.01
12/4/21 11:15	3.455	113.1	10.71	2.849	29.26	0.01
12/4/21 11:30	4.817	114.8	8.05	2.958	29.26	0
12/4/21 11:45	4.625	115.5	7.474	3.124	29.26	0.01
12/4/21 12:00	4.957	109	8.86	3.296	29.25	0.01
12/4/21 12:15	3.021	104.7	18.16	3.482	29.25	0.01
12/4/21 12:30	4.046	134.6	43.98	3.707	29.25	0.02
12/4/21 12:45	3.373	107.4	15.3	3.808	29.25	0.02
12/4/21 13:00	3.061	90.9	11.15	3.928	29.24	0.01
12/4/21 13:15	1.139	56.34	12.3	4.019	29.24	0.01
12/4/21 13:30	2.949	58.53	10.66	4.051	29.24	0.02
12/4/21 13:45	2.498	57.59	19.09	4.015	29.24	0.02
12/4/21 14:00	2.936	36.38	35.71	4.059	29.25	0.03
12/4/21 14:15	6.159	14.23	6.646	3.713	29.24	0.01
12/4/21 14:30	7.868	11.25	11.04	3.324	29.24	0.02
12/4/21 14:45	7.057	11.67	8.49	3.174	29.25	0.01
12/4/21 15:00	6.35	11.42	9.74	3.024	29.25	0.01
12/4/21 15:15	6.755	10.93	10.01	2.877	29.26	0.01
12/4/21 15:30	9.57	7.445	10.72	2.783	29.27	0.01
12/4/21 15:45	9.43	4.876	14.69	2.685	29.28	0.01
12/4/21 16:00	11.28	5.026	13.06	2.614	29.28	0.02
12/4/21 16:15	8.35	2.728	16.98	2.746	29.29	0.01
12/4/21 16:30	4.848	5.374	16.33	2.704	29.3	0
12/4/21 16:45	3.528	352.7	19.81	2.621	29.31	0
12/4/21 17:00	5.073	1.187	36.29	2.635	29.31	0.01
12/4/21 17:15	5.215	346	17.81	2.705	29.32	0
12/4/21 17:30	7.878	5.463	15.62	2.614	29.33	0
12/4/21 17:45	7.025	357.9	17.87	2.516	29.35	0
12/4/21 18:00	8.54	358.4	14.81	2.469	29.35	0.01
12/4/21 18:15	8.16	3.693	16.28	2.334	29.35	0
12/4/21 18:30	9.12	353.1	16.46	2.313	29.37	0.01
12/4/21 18:45	9.91	3.887	18.66	2.224	29.38	0
12/4/21 19:00	7.71	10.69	10.95	2.125	29.38	0.01
12/4/21 19:15	7.943	11.96	12.55	2.162	29.39	0
12/4/21 19:30	6.954	3.659	13.75	2.206	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
12/4/21 19:45	9.78	0.837	15.26	2.31	29.41	0
12/4/21 20:00	10.13	11.82	9.43	2.321	29.42	0
12/4/21 20:15	8.97	8.03	14.37	2.355	29.43	0
12/4/21 20:30	8.03	357.5	15.18	2.291	29.44	0
12/4/21 20:45	7.483	3.916	16.09	2.158	29.45	0
12/4/21 21:00	7.82	0.693	17.05	2.349	29.46	0
12/4/21 21:15	4.915	9.72	5.637	2.29	29.47	0
12/4/21 21:30	6.234	359.1	14.6	2.264	29.47	0
12/4/21 21:45	4.642	357.5	17.69	2.1	29.48	0
12/4/21 22:00	3.119	356.1	15.42	1.923	29.49	0
12/4/21 22:15	2.597	39.93	12.59	1.789	29.5	0
12/4/21 22:30	1.401	75.16	8.56	1.585	29.5	0
12/4/21 22:45	0.483	93.6	3.661	1.561	29.51	0
12/4/21 23:00	1.379	60.65	11.23	1.724	29.52	0
12/4/21 23:15	1.495	75.9	14.19	1.43	29.53	0
12/4/21 23:30	1.514	122.7	34.33	1.428	29.53	0
12/4/21 23:45	2.749	168.5	30.48	1.366	29.54	0
12/5/21 0:00	3.991	179.4	15.27	1.198	29.54	0
12/5/21 0:15	3.531	191.1	11.62	1.272	29.55	0
12/5/21 0:30	2.392	182.4	19.36	1.145	29.56	0
12/5/21 0:45	3.737	225.7	21.36	0.711	29.56	0
12/5/21 1:00	3.506	199.7	28.76	0.529	29.56	0
12/5/21 1:15	1.794	21.42	69	0.326	29.57	0
12/5/21 1:30	1.418	252.9	86.1	0.25	29.57	0
12/5/21 1:45	2.586	162.4	47.72	0.183	29.58	0
12/5/21 2:00	1.987	130	23.52	0.088	29.58	0
12/5/21 2:15	1.012	66.95	59.61	0.188	29.59	0
12/5/21 2:30	0.891	245.7	65.12	0.482	29.59	0
12/5/21 2:45	1.162	28.34	46.5	0.554	29.6	0
12/5/21 3:00	0.796	315.2	6.73	0.597	29.61	0
12/5/21 3:15	2.061	46.07	10.2	0.667	29.61	0
12/5/21 3:30	2.165	51.75	4.017	0.576	29.61	0
12/5/21 3:45	0.823	31.1	9.46	0.528	29.62	0
12/5/21 4:00	1.451	13.87	6.032	0.824	29.62	0
12/5/21 4:15	2.641	11.73	10.17	0.453	29.63	0
12/5/21 4:30	1.899	11.25	2.166	0.282	29.63	0
12/5/21 4:45	2.837	10.58	7.045	0.064	29.63	0
12/5/21 5:00	3.02	3.17	14.72	0.29	29.63	0
12/5/21 5:15	1.139	7.408	27.63	0.215	29.63	0
12/5/21 5:30	1.674	295.9	58.26	0.187	29.64	0
12/5/21 5:45	4.35	300.4	23.93	0.132	29.65	0
12/5/21 6:00	4.976	291.3	20.47	0.566	29.65	0
12/5/21 6:15	2.642	208.3	9.91	0.18	29.65	0
12/5/21 6:30	2.652	39.42	5.568	-0.263	29.66	0
12/5/21 6:45	4.371	37.35	4.414	-0.088	29.66	0
12/5/21 7:00	3.896	37.62	14.16	0.042	29.66	0
12/5/21 7:15	2.985	58.75	14.05	-0.218	29.66	0
12/5/21 7:30	2.977	37.72	13.07	0.159	29.66	0
12/5/21 7:45	2.75	63.8	9.36	0.202	29.66	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/5/21 8:00	3.163	55.66	17.46	0.641	29.67	0
12/5/21 8:15	1.753	47.35	10.11	0.91	29.67	0
12/5/21 8:30	1.682	33.51	3.874	1.037	29.68	0
12/5/21 8:45	2.1	25.02	3.801	0.822	29.68	0
12/5/21 9:00	2.485	19.87	4.154	0.781	29.69	0
12/5/21 9:15	2.63	15.91	6.166	1.285	29.69	0
12/5/21 9:30	2.226	7.94	3.497	1.9	29.7	0
12/5/21 9:45	2.134	6.042	18.88	1.479	29.72	0
12/5/21 10:00	2.869	13.93	8.54	1.901	29.71	0
12/5/21 10:15	1.94	14.18	7.522	1.875	29.71	0
12/5/21 10:30	2.129	9.6	10.2	1.645	29.71	0
12/5/21 10:45	2.171	23.6	13.33	1.604	29.71	0.01
12/5/21 11:00	2.896	13.93	11.3	1.326	29.71	0
12/5/21 11:15	2.993	4.907	14.99	1.599	29.7	0
12/5/21 11:30	3.886	6.441	13.32	2.126	29.7	0
12/5/21 11:45	2.944	15.03	8.76	2.404	29.7	0
12/5/21 12:00	2.985	16.31	11.35	2.507	29.7	0
12/5/21 12:15	2.179	20	15.86	2.975	29.7	0
12/5/21 12:30	1.942	47.08	15.72	3.312	29.7	0
12/5/21 12:45	2.792	45.42	11.56	3.329	29.7	0
12/5/21 13:00	2.597	34.05	10.36	3.237	29.69	0
12/5/21 13:15	3.783	23.9	13.26	3.118	29.68	0
12/5/21 13:30	4.289	16.4	10.16	2.981	29.68	0
12/5/21 13:45	5.914	14.34	9.86	3.464	29.67	0
12/5/21 14:00	7.788	13.39	9.07	3.656	29.66	0
12/5/21 14:15	7.455	12.76	7.453	3.354	29.65	0
12/5/21 14:30	6.539	7.219	14.92	3.283	29.65	0
12/5/21 14:45	6.263	8.55	12.13	3.18	29.65	0
12/5/21 15:00	8.23	11.12	9.65	2.945	29.65	0
12/5/21 15:15	7.588	11.66	10.12	2.791	29.64	0
12/5/21 15:30	7.526	19.38	8.47	2.489	29.63	0
12/5/21 15:45	8.08	15.88	9.8	2.227	29.63	0
12/5/21 16:00	6.865	18.81	9.64	2.018	29.62	0
12/5/21 16:15	6.582	16.6	11.48	1.762	29.62	0
12/5/21 16:30	5.626	10.9	10.63	1.765	29.62	0
12/5/21 16:45	4.197	20.6	7.586	1.625	29.62	0
12/5/21 17:00	3.582	13.56	9.65	1.528	29.62	0
12/5/21 17:15	5.886	19.26	9.36	1.523	29.62	0
12/5/21 17:30	5.443	20.25	9.31	1.473	29.62	0
12/5/21 17:45	5.133	15.59	9.15	1.379	29.62	0
12/5/21 18:00	6.082	20.95	13.13	1.437	29.62	0
12/5/21 18:15	7.081	23.52	10.47	1.602	29.62	0
12/5/21 18:30	6.474	35.37	9.67	1.457	29.6	0
12/5/21 18:45	6.462	25.69	9.14	1.575	29.59	0
12/5/21 19:00	6.005	32.67	10.38	1.535	29.59	0
12/5/21 19:15	5.019	28.52	12.17	1.37	29.58	0
12/5/21 19:30	4.845	25.72	11.76	1.18	29.58	0
12/5/21 19:45	1.661	6.616	26.38	1.002	29.58	0
12/5/21 20:00	2.196	17.15	5.052	0.898	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
12/5/21 20:15	2.77	10.01	3.404	0.761	29.55	0
12/5/21 20:30	1.869	27.37	29.14	1.009	29.54	0
12/5/21 20:45	2.068	56.67	23.48	1.161	29.53	0
12/5/21 21:00	2.41	95.8	12.72	1.195	29.52	0
12/5/21 21:15	2.132	123.1	24.56	1.938	29.52	0
12/5/21 21:30	1.873	207.5	55.19	1.737	29.52	0
12/5/21 21:45	1.356	175.2	33.6	1.669	29.52	0
12/5/21 22:00	0.585	181.4	36.38	1.736	29.52	0
12/5/21 22:15	0.259	13.3	2.882	1.677	29.51	0
12/5/21 22:30	2.114	69.41	40.88	1.379	29.5	0
12/5/21 22:45	4.528	147.8	11.88	2.017	29.5	0
12/5/21 23:00	6.443	145.4	4.458	2.22	29.49	0
12/5/21 23:15	6.945	153.3	8.26	2.199	29.49	0
12/5/21 23:30	6.528	172.8	6.434	2.046	29.49	0
12/5/21 23:45	6.193	163	8.21	1.748	29.48	0
12/6/21 0:00	6.724	178.5	13.19	1.876	29.48	0
12/6/21 0:15	6.349	160.8	14.16	2.018	29.47	0
12/6/21 0:30	6.646	151.6	11.94	2.127	29.47	0
12/6/21 0:45	8.26	139.8	11.64	1.881	29.45	0
12/6/21 1:00	7.458	131.7	8.8	1.765	29.44	0
12/6/21 1:15	8.66	123.9	9.04	1.76	29.43	0
12/6/21 1:30	7.729	117.1	10.13	1.716	29.42	0
12/6/21 1:45	6.837	120.6	10.39	1.769	29.4	0
12/6/21 2:00	5.64	119	10.97	1.894	29.39	0
12/6/21 2:15	3.937	133.1	13.69	2.003	29.39	0
12/6/21 2:30	4.129	125.3	16.34	2.191	29.38	0
12/6/21 2:45	3.204	120.3	22.23	2.232	29.37	0
12/6/21 3:00	3.048	125.9	11.69	2.119	29.36	0
12/6/21 3:15	2.342	151.6	21.66	2.118	29.36	0
12/6/21 3:30	3.088	155.6	15	1.971	29.35	0
12/6/21 3:45	3.565	121.9	35.75	1.945	29.34	0
12/6/21 4:00	4.121	126.3	14.88	1.958	29.33	0
12/6/21 4:15	5.916	135.2	15.96	2.18	29.32	0
12/6/21 4:30	10.05	124.7	13.9	2.261	29.31	0
12/6/21 4:45	10.07	112.4	11.77	2.144	29.29	0
12/6/21 5:00	10.4	121.6	9.86	2.244	29.28	0
12/6/21 5:15	9.4	128	11.04	2.517	29.27	0
12/6/21 5:30	9.17	173.7	21.18	2.43	29.27	0
12/6/21 5:45	8.03	142.6	23.65	1.889	29.27	0
12/6/21 6:00	6.507	114.6	9.1	2.33	29.25	0
12/6/21 6:15	3.933	108.8	28.2	2.604	29.25	0
12/6/21 6:30	1.947	58.54	57.87	2.842	29.25	0
12/6/21 6:45	1.963	167.9	83.3	2.86	29.25	0.01
12/6/21 7:00	3.857	179.4	45.41	2.589	29.25	0
12/6/21 7:15	2.972	141.9	36.53	2.478	29.25	0.01
12/6/21 7:30	2.726	66.48	24.21	2.303	29.25	0
12/6/21 7:45	3.217	109.4	21.91	2.586	29.24	0
12/6/21 8:00	3.014	123.8	13.51	3.045	29.24	0.01
12/6/21 8:15	4.164	151.7	33.24	3.141	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/6/21 8:30	4.054	158.1	12.44	3.054	29.24	0
12/6/21 8:45	3.222	136.5	15.73	3.036	29.23	0.01
12/6/21 9:00	4.735	139.1	13.5	3.052	29.23	0
12/6/21 9:15	4.596	125.8	14	3.063	29.23	0
12/6/21 9:30	4.687	128.9	11.05	3.104	29.22	0
12/6/21 9:45	4.94	130.5	10.23	3.142	29.22	0
12/6/21 10:00	4.308	118.8	12.25	3.166	29.22	0.01
12/6/21 10:15	3.206	92.6	19.25	3.125	29.22	0
12/6/21 10:30	2.817	85.5	11.64	3.181	29.21	0
12/6/21 10:45	3.524	94.5	12.68	3.224	29.2	0
12/6/21 11:00	4.356	115.1	9.83	3.415	29.19	0
12/6/21 11:15	2.895	124.8	13.05	3.62	29.18	0
12/6/21 11:30	1.43	119.3	26.07	3.836	29.18	0
12/6/21 11:45	0.751	20.58	16.76	4.104	29.17	0
12/6/21 12:00	1.928	135.5	69.06	4.314	29.16	0
12/6/21 12:15	1.806	151.8	56.05	4.725	29.16	0
12/6/21 12:30	0.88	25.62	59.54	4.618	29.15	0
12/6/21 12:45	0.015	36.36	3.167	4.837	29.15	0
12/6/21 13:00	1.869	220.1	26.96	4.689	29.14	0
12/6/21 13:15	1.57	263.2	38.26	4.63	29.14	0
12/6/21 13:30	1.176	57.99	45.12	4.813	29.14	0
12/6/21 13:45	2.451	20.78	15.71	4.645	29.13	0
12/6/21 14:00	2.637	14.9	10.85	4.315	29.13	0
12/6/21 14:15	3.139	26.17	8.19	4.367	29.13	0
12/6/21 14:30	3.85	20.44	7.086	4.404	29.12	0
12/6/21 14:45	2.902	16.03	13.3	4.567	29.12	0
12/6/21 15:00	4.129	18.93	8.49	4.506	29.11	0
12/6/21 15:15	3.41	24.83	5.578	4.526	29.11	0
12/6/21 15:30	1.633	27.02	6.871	4.615	29.11	0
12/6/21 15:45	0.526	31.06	6.95	4.778	29.12	0
12/6/21 16:00	0.836	26.34	2.583	4.78	29.12	0
12/6/21 16:15	2.345	14.53	5.643	4.73	29.13	0.01
12/6/21 16:30	2.675	3.834	10.47	4.781	29.13	0.01
12/6/21 16:45	3.809	18.55	8.05	4.777	29.13	0
12/6/21 17:00	3.464	24.46	6.618	4.759	29.13	0.01
12/6/21 17:15	3.643	23.82	6.415	4.746	29.13	0.01
12/6/21 17:30	3.443	35.28	8.1	4.752	29.13	0.01
12/6/21 17:45	3.454	43.1	5.908	4.8	29.13	0
12/6/21 18:00	3.02	39.34	14.06	4.9	29.13	0.01
12/6/21 18:15	2.317	103.9	13.43	5.081	29.13	0
12/6/21 18:30	1.94	107.2	19.2	5.07	29.13	0
12/6/21 18:45	1.522	34.1	14.24	5.075	29.14	0.01
12/6/21 19:00	1.305	56.94	12	5.109	29.13	0
12/6/21 19:15	2.482	75.23	11.88	5.063	29.13	0.01
12/6/21 19:30	1.808	45.29	12.33	5.042	29.14	0
12/6/21 19:45	3.152	15.9	5.838	5.068	29.14	0.01
12/6/21 20:00	1.967	34.83	13.61	5.058	29.13	0.02
12/6/21 20:15	2.03	94.8	13.41	5.047	29.13	0.01
12/6/21 20:30	2.673	35.04	19.41	5.066	29.13	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
12/6/21 20:45	0.911	22.22	25.76	5.179	29.13	0.01
12/6/21 21:00	1.16	146.8	11.74	5.469	29.13	0.02
12/6/21 21:15	3.537	139.9	10.24	5.816	29.13	0.01
12/6/21 21:30	3.672	139.6	15.09	5.873	29.13	0
12/6/21 21:45	2.469	141	11.11	5.894	29.13	0
12/6/21 22:00	0.293	171.8	16.64	5.831	29.14	0.01
12/6/21 22:15	0.996	182.5	27.76	5.848	29.14	0
12/6/21 22:30	2.884	309.7	15.2	5.636	29.15	0.01
12/6/21 22:45	3.27	278.8	3.853	5.529	29.16	0.01
12/6/21 23:00	2.455	282.4	5.027	5.596	29.16	0
12/6/21 23:15	0.696	301.4	7.632	5.596	29.17	0
12/6/21 23:30	0.535	21.45	2.156	5.36	29.17	0.01
12/6/21 23:45	1.737	338	17.27	5.285	29.18	0.01
12/7/21 0:00	1.204	319.3	2.354	5.491	29.18	0
12/7/21 0:15	2.422	156.9	17.2	5.391	29.18	0
12/7/21 0:30	2.438	160.8	34.47	5.369	29.17	0.01
12/7/21 0:45	2.178	164.1	18.34	5.395	29.17	0
12/7/21 1:00	3.256	128.1	14.17	5.409	29.17	0
12/7/21 1:15	2.931	139.5	15.32	5.436	29.16	0
12/7/21 1:30	3.864	133.5	6.998	5.564	29.17	0
12/7/21 1:45	4.707	170.2	20.55	5.491	29.17	0
12/7/21 2:00	7.534	157.5	10.62	5.368	29.15	0
12/7/21 2:15	8.41	133.7	11.37	5.503	29.13	0
12/7/21 2:30	6.538	125.4	8.86	5.693	29.14	0
12/7/21 2:45	6.029	140.7	14.97	5.86	29.15	0
12/7/21 3:00	3.522	150.4	19.57	6.118	29.16	0
12/7/21 3:15	0.865	227.9	60.98	6.24	29.17	0
12/7/21 3:30	1.646	5.327	11.09	6.219	29.17	0
12/7/21 3:45	4.007	18	7.897	5.856	29.17	0
12/7/21 4:00	4.36	10.97	9.1	5.762	29.17	0
12/7/21 4:15	4.674	14.87	7.583	5.775	29.18	0.01
12/7/21 4:30	3.52	7.115	8.72	5.885	29.18	0.01
12/7/21 4:45	3.333	10.25	8.11	5.937	29.19	0.01
12/7/21 5:00	3.008	6.783	11.42	5.967	29.19	0.01
12/7/21 5:15	1.694	28.42	10.12	5.979	29.19	0
12/7/21 5:30	0.076	42.04	1.277	5.891	29.19	0
12/7/21 5:45	1.322	37.14	7.349	5.737	29.19	0
12/7/21 6:00	0.417	52.06	1.638	5.727	29.18	0
12/7/21 6:15	1.683	129.7	10.71	5.721	29.18	0
12/7/21 6:30	1.556	110.2	8.6	5.737	29.18	0
12/7/21 6:45	3.088	167.7	15.21	5.673	29.18	0
12/7/21 7:00	3.614	172.6	13.61	5.471	29.18	0
12/7/21 7:15	3.799	165	20.54	5.43	29.18	0
12/7/21 7:30	3.319	161.7	9.42	5.469	29.18	0
12/7/21 7:45	2.412	148.2	21.44	5.449	29.19	0
12/7/21 8:00	0.814	113.1	4.999	5.434	29.19	0.01
12/7/21 8:15	0.905	150.7	24.74	5.505	29.19	0
12/7/21 8:30	0.728	175.3	17.36	5.579	29.2	0
12/7/21 8:45	0.555	75.87	23.56	5.824	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
12/7/21 9:00	2.606	148.6	12.33	5.716	29.2	0
12/7/21 9:15	2.735	144.1	14.95	5.829	29.2	0
12/7/21 9:30	3.041	166	20.67	5.928	29.2	0
12/7/21 9:45	3.954	154.8	13.87	5.995	29.2	0
12/7/21 10:00	3.958	144.7	12.15	6.252	29.2	0
12/7/21 10:15	4.986	129.1	9.32	6.575	29.2	0
12/7/21 10:30	3.642	126.9	12.82	6.766	29.2	0
12/7/21 10:45	4.523	145.9	10.73	6.927	29.2	0
12/7/21 11:00	4.805	150.9	21.83	7.087	29.19	0
12/7/21 11:15	3.952	132	12	7.366	29.19	0
12/7/21 11:30	5.108	135	10.46	7.604	29.18	0
12/7/21 11:45	5.163	134.1	10.53	7.717	29.17	0
12/7/21 12:00	5.28	130.5	9.09	7.84	29.17	0
12/7/21 12:15	4.396	146	12.72	7.895	29.17	0
12/7/21 12:30	4.717	148.4	10.34	7.9	29.18	0
12/7/21 12:45	5.06	121.2	9.36	7.867	29.17	0.01
12/7/21 13:00	4.981	116.3	9.86	7.862	29.17	0
12/7/21 13:15	3.616	109.7	13.43	7.837	29.17	0.01
12/7/21 13:30	3.333	110.9	11.33	7.926	29.17	0
12/7/21 13:45	4.402	148.3	12.26	7.955	29.16	0.01
12/7/21 14:00	4.093	140.6	7.505	7.841	29.16	0.01
12/7/21 14:15	4.417	145.4	4.846	7.802	29.16	0.01
12/7/21 14:30	4.546	142.8	5.005	7.719	29.16	0.03
12/7/21 14:45	5.041	137.2	6.915	7.601	29.15	0.02
12/7/21 15:00	5.427	142	7.275	7.634	29.15	0.02
12/7/21 15:15	5.844	146.5	23.55	7.628	29.15	0.01
12/7/21 15:30	6.503	116.5	8.4	7.648	29.15	0.01
12/7/21 15:45	5.927	102.9	9.63	7.558	29.14	0
12/7/21 16:00	6.659	113.6	8.56	7.438	29.13	0
12/7/21 16:15	4.667	133.3	10.1	7.436	29.13	0
12/7/21 16:30	6.598	127.5	6.883	7.487	29.12	0
12/7/21 16:45	6.592	119	7.328	7.552	29.11	0
12/7/21 17:00	7.144	121.1	7.29	7.729	29.1	0
12/7/21 17:15	7.311	121	6.783	7.996	29.1	0
12/7/21 17:30	7.244	124.6	6.78	8.24	29.09	0
12/7/21 17:45	5.522	147.8	30.63	8.32	29.08	0
12/7/21 18:00	1.637	81.7	57.91	8.4	29.08	0
12/7/21 18:15	2.503	160.2	56.4	8.34	29.07	0
12/7/21 18:30	2.197	94.6	47.27	8.25	29.07	0
12/7/21 18:45	2.989	77.11	73.87	8.03	29.06	0
12/7/21 19:00	3.544	118	50.2	8.03	29.05	0
12/7/21 19:15	4.862	167.9	26.26	8.12	29.05	0
12/7/21 19:30	4.134	191.8	17.52	7.547	29.06	0
12/7/21 19:45	4.751	133.1	18.27	7.564	29.05	0
12/7/21 20:00	4.898	139	16.23	7.626	29.05	0
12/7/21 20:15	5.361	159.5	8.1	7.704	29.05	0
12/7/21 20:30	5.487	163.5	16.39	7.809	29.05	0.01
12/7/21 20:45	5.767	175.1	10.93	7.777	29.05	0.01
12/7/21 21:00	5.947	178.2	11.45	7.501	29.05	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
12/7/21 21:15	4.241	143.7	13.16	7.486	29.04	0
12/7/21 21:30	6.342	151.1	14.1	7.668	29.03	0.01
12/7/21 21:45	7.55	172.9	8.36	7.752	29.03	0
12/7/21 22:00	7.403	182.4	11.67	7.819	29.03	0.01
12/7/21 22:15	9.21	187.5	10.12	7.898	29.03	0.03
12/7/21 22:30	12.59	200.1	8.8	7.929	29.02	0.01
12/7/21 22:45	10.37	196.7	9.95	7.998	29.03	0
12/7/21 23:00	10.65	190.3	11.1	7.997	29.02	0.01
12/7/21 23:15	10.64	183.5	8.44	8.01	29.02	0
12/7/21 23:30	10.54	168.2	9.31	8.09	29.01	0
12/7/21 23:45	10.68	170.4	7.577	8.14	29	0
12/8/21 0:00	10.54	167.2	6.665	8.13	28.99	0
12/8/21 0:15	10.13	166.8	6.877	8.17	28.98	0
12/8/21 0:30	8.93	173.8	6.749	8.16	28.99	0.01
12/8/21 0:45	7.56	175.5	6.906	8.04	28.99	0
12/8/21 1:00	8.44	187.4	27.46	8.02	28.98	0
12/8/21 1:15	13.1	196.4	13.16	8.01	28.98	0.01
12/8/21 1:30	12.81	214.2	16.1	7.887	28.98	0.05
12/8/21 1:45	17.97	221.8	9.59	7.751	28.99	0.01
12/8/21 2:00	15.07	221.7	10.86	7.65	28.99	0.01
12/8/21 2:15	13.15	211.5	11.02	7.566	29	0
12/8/21 2:30	16.55	200.7	8.43	7.494	28.99	0
12/8/21 2:45	15.74	196.1	11.93	7.238	29	0
12/8/21 3:00	15.72	179.8	11.58	7.017	29	0
12/8/21 3:15	15.62	179.6	10.47	6.894	29	0
12/8/21 3:30	11.46	176.7	10.94	6.859	29	0
12/8/21 3:45	11.52	169.7	11.11	6.791	29	0
12/8/21 4:00	9.07	168.8	17.42	6.727	29	0
12/8/21 4:15	6.915	173.1	20.42	6.66	29	0
12/8/21 4:30	8.77	167.7	19.91	6.567	29	0
12/8/21 4:45	9.95	166	15.75	6.483	29	0
12/8/21 5:00	11.65	163.6	14.41	6.455	28.99	0
12/8/21 5:15	11.08	171.6	15.64	6.43	28.99	0
12/8/21 5:30	12.13	187	18.85	6.371	28.99	0
12/8/21 5:45	11.5	194.5	19.94	6.364	28.99	0
12/8/21 6:00	11.38	207.5	14.87	6.348	28.99	0
12/8/21 6:15	6.897	195.4	41.46	6.26	28.99	0
12/8/21 6:30	7.028	240.2	40.56	6.231	29	0
12/8/21 6:45	9.89	220.4	20.86	6.229	29.01	0
12/8/21 7:00	3.883	197.5	21.71	6.224	29.02	0
12/8/21 7:15	4.113	212	29.99	6.193	29.03	0
12/8/21 7:30	5.468	199	18.93	6.116	29.03	0
12/8/21 7:45	7.289	219.2	14.3	5.945	29.04	0
12/8/21 8:00	7.885	209.7	11.68	5.696	29.05	0
12/8/21 8:15	7.463	205.3	10.88	5.478	29.05	0
12/8/21 8:30	4.869	127.3	70.75	5.137	29.06	0
12/8/21 8:45	7.644	27.82	16.84	3.27	29.07	0
12/8/21 9:00	6.597	41.1	26.35	2.669	29.08	0
12/8/21 9:15	4.94	23.39	22.01	2.224	29.08	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
12/8/21 9:30	3.679	85.6	40.78	1.979	29.09	0.05
12/8/21 9:45	2.544	130	16.9	2.438	29.1	0.06
12/8/21 10:00	4.827	107.5	34.88	2.357	29.11	0.06
12/8/21 10:15	4.222	51.22	15.12	2.419	29.11	0.03
12/8/21 10:30	4.075	24.97	7.983	2.273	29.11	0.02
12/8/21 10:45	4.221	33.04	10.17	2.043	29.11	0.02
12/8/21 11:00	4.073	56.7	10.48	2.097	29.11	0.01
12/8/21 11:15	4.236	64.47	10.29	2.119	29.12	0.01
12/8/21 11:30	3.902	59.5	9.52	2.072	29.12	0.01
12/8/21 11:45	2.752	47.66	12.68	2.174	29.12	0.01
12/8/21 12:00	3.706	22.79	10.19	2.423	29.12	0
12/8/21 12:15	4.954	11.62	6.918	2.58	29.12	0
12/8/21 12:30	4.409	34.84	9.87	2.883	29.12	0.01
12/8/21 12:45	4.719	45.63	8.36	2.852	29.12	0
12/8/21 13:00	2.359	54.76	9.32	3.105	29.12	0
12/8/21 13:15	1.789	60.68	17.72	3.544	29.12	0
12/8/21 13:30	1.755	31.85	17.72	3.621	29.12	0
12/8/21 13:45	1.438	59.87	18.11	4.117	29.12	0
12/8/21 14:00	2.377	107.8	31.87	4.502	29.12	0
12/8/21 14:15	6.932	197.5	14.6	5.383	29.12	0
12/8/21 14:30	7.862	202.3	8.44	5.56	29.12	0
12/8/21 14:45	5.961	195.4	8.95	5.586	29.12	0
12/8/21 15:00	4.652	189.1	10.87	5.784	29.12	0
12/8/21 15:15	5.398	210.9	14.6	6.27	29.13	0
12/8/21 15:30	9.03	204.6	10.54	6.048	29.13	0
12/8/21 15:45	8.95	192.3	14.74	5.759	29.13	0
12/8/21 16:00	10.34	203.7	7.487	5.53	29.13	0
12/8/21 16:15	10.73	192	8.85	5.135	29.13	0
12/8/21 16:30	10.53	187.5	8.09	4.715	29.14	0
12/8/21 16:45	7.7	189.1	10.51	4.322	29.14	0
12/8/21 17:00	7.017	184.1	9.39	3.997	29.14	0
12/8/21 17:15	7.927	187.7	11.31	3.801	29.14	0
12/8/21 17:30	8.96	185.2	7.9	3.761	29.14	0
12/8/21 17:45	8.38	180.2	8.13	3.631	29.14	0
12/8/21 18:00	8.16	176.8	7.883	3.656	29.15	0
12/8/21 18:15	8.35	168.4	6.735	3.712	29.14	0
12/8/21 18:30	8.4	166.5	7.814	3.68	29.14	0
12/8/21 18:45	8.94	171.9	6.187	3.675	29.14	0
12/8/21 19:00	8.64	175.3	7.9	3.592	29.14	0
12/8/21 19:15	9.85	181.8	6.965	3.531	29.15	0
12/8/21 19:30	9.85	170.9	8.29	3.521	29.14	0
12/8/21 19:45	9.51	169.6	8.04	3.441	29.14	0
12/8/21 20:00	8.94	169.3	9.34	3.359	29.14	0
12/8/21 20:15	8.27	176.3	9.92	3.32	29.14	0
12/8/21 20:30	9.55	178.3	8.13	3.223	29.14	0
12/8/21 20:45	11.45	177.2	8.01	3.082	29.14	0
12/8/21 21:00	9.35	170.7	8.84	2.985	29.14	0
12/8/21 21:15	9.89	174.7	7.236	3.047	29.14	0
12/8/21 21:30	8.92	167.6	10.21	3.116	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
12/8/21 21:45	9.18	161.8	11.3	3.139	29.14	0
12/8/21 22:00	8.6	163.4	13.6	3.095	29.14	0
12/8/21 22:15	9.99	166.3	9.26	3.121	29.15	0
12/8/21 22:30	8.66	166.7	11.77	3.083	29.15	0
12/8/21 22:45	8.89	166.3	8.39	3.032	29.15	0
12/8/21 23:00	9.53	171.8	9.3	2.919	29.15	0
12/8/21 23:15	8.8	171.5	8.77	2.875	29.15	0
12/8/21 23:30	8.82	169.7	9.01	2.854	29.15	0
12/8/21 23:45	8.67	171.9	7.058	2.806	29.15	0
12/9/21 0:00	8.41	171.7	9.3	2.61	29.15	0
12/9/21 0:15	8.6	171	7.23	2.701	29.15	0
12/9/21 0:30	6.996	178.6	7.22	2.723	29.15	0
12/9/21 0:45	7.17	178.7	8.51	2.647	29.14	0
12/9/21 1:00	7.841	171.7	8.37	2.587	29.14	0
12/9/21 1:15	8.6	170.8	6.595	2.572	29.14	0
12/9/21 1:30	7.704	164.1	11.17	2.584	29.13	0
12/9/21 1:45	7.962	173.7	8.07	2.587	29.13	0
12/9/21 2:00	6.262	152.5	17.98	2.565	29.13	0
12/9/21 2:15	6.63	154	14.8	2.538	29.12	0
12/9/21 2:30	6.509	161.5	16.17	2.642	29.12	0
12/9/21 2:45	4.787	147.7	24.66	2.651	29.12	0
12/9/21 3:00	5.115	138.9	17.83	2.61	29.12	0
12/9/21 3:15	6.741	162.6	11.38	2.624	29.12	0
12/9/21 3:30	5.926	156.4	13.28	2.593	29.11	0
12/9/21 3:45	6.145	149.5	7.665	2.519	29.11	0
12/9/21 4:00	7.017	143.7	7.382	2.553	29.1	0
12/9/21 4:15	8.88	151.1	6.752	2.621	29.1	0
12/9/21 4:30	8.14	159.3	9.81	2.65	29.1	0
12/9/21 4:45	5.778	144.2	19.37	2.61	29.09	0
12/9/21 5:00	7.256	160.6	15.01	2.622	29.09	0
12/9/21 5:15	5.399	144.9	14.87	2.571	29.09	0
12/9/21 5:30	5.006	139.9	12.75	2.563	29.09	0
12/9/21 5:45	8.33	147.7	10.37	2.619	29.08	0
12/9/21 6:00	7.837	142.3	11.14	2.602	29.08	0
12/9/21 6:15	7.93	134	9.2	2.632	29.07	0
12/9/21 6:30	8.39	143.9	10.91	2.701	29.07	0
12/9/21 6:45	8.32	166.8	8.92	2.873	29.07	0
12/9/21 7:00	7.976	162.3	10.03	2.936	29.06	0
12/9/21 7:15	8.12	168.6	13.88	2.969	29.06	0
12/9/21 7:30	11.05	173.1	10.47	3.025	29.06	0
12/9/21 7:45	11.7	175.4	9.26	3.012	29.06	0
12/9/21 8:00	11.01	175.2	8.39	3.039	29.06	0
12/9/21 8:15	10.89	179.9	8.98	3.095	29.06	0
12/9/21 8:30	9.78	178.1	9.68	3.123	29.07	0
12/9/21 8:45	10.97	177.2	10.58	3.089	29.06	0
12/9/21 9:00	10.27	180.8	12.08	2.938	29.07	0
12/9/21 9:15	11.75	171.6	8.64	2.808	29.06	0
12/9/21 9:30	11.63	174.8	9.32	2.789	29.06	0
12/9/21 9:45	12.1	181.1	10.31	2.778	29.06	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/9/21 10:00	10.67	184.5	11.52	2.714	29.06	0
12/9/21 10:15	10.69	179	10.21	2.642	29.06	0.01
12/9/21 10:30	10.76	177.1	12.36	2.659	29.07	0
12/9/21 10:45	9.88	176.2	13.84	2.698	29.07	0
12/9/21 11:00	10.84	184.6	11.38	2.724	29.07	0
12/9/21 11:15	9.93	183	9.92	2.645	29.07	0
12/9/21 11:30	11.68	180.3	10.54	2.638	29.06	0
12/9/21 11:45	10.22	172.7	10.99	2.689	29.06	0
12/9/21 12:00	7.673	165.7	11.02	2.823	29.06	0
12/9/21 12:15	8.05	164.5	9.11	2.896	29.06	0
12/9/21 12:30	7.735	170.4	8.99	2.98	29.05	0
12/9/21 12:45	8.26	167.1	9.89	3.157	29.05	0
12/9/21 13:00	7.731	170.8	14.24	3.255	29.05	0
12/9/21 13:15	9.93	187.2	9.52	3.324	29.04	0
12/9/21 13:30	11.11	190.7	9.81	3.357	29.04	0
12/9/21 13:45	8.16	188.6	10.38	3.335	29.05	0
12/9/21 14:00	8.97	193.9	8.74	3.385	29.05	0
12/9/21 14:15	6.634	180.7	10.09	3.455	29.05	0
12/9/21 14:30	6.432	183.4	12.04	3.481	29.06	0
12/9/21 14:45	6.281	191.8	12.26	3.516	29.06	0
12/9/21 15:00	7.384	196.9	9.04	3.608	29.06	0
12/9/21 15:15	7.299	186.1	9.84	3.664	29.06	0
12/9/21 15:30	5.406	158.9	12	3.636	29.07	0
12/9/21 15:45	4.8	147.5	16.76	3.561	29.07	0
12/9/21 16:00	3.436	130.4	31.65	3.528	29.08	0
12/9/21 16:15	1.555	79.41	25.33	3.369	29.08	0
12/9/21 16:30	0.461	73.16	13.22	3.246	29.08	0
12/9/21 16:45	2.557	150.2	24.27	3.348	29.08	0
12/9/21 17:00	2.497	143.9	44.1	3.426	29.09	0
12/9/21 17:15	2.318	13.66	18.53	3.167	29.09	0
12/9/21 17:30	3.232	21.55	18.68	3.136	29.1	0
12/9/21 17:45	6.748	220	68.03	2.981	29.1	0.04
12/9/21 18:00	6.56	207.5	20.49	2.848	29.1	0.03
12/9/21 18:15	0.715	166.2	24.22	2.484	29.12	0
12/9/21 18:30	1.878	191.3	41.93	2.398	29.12	0
12/9/21 18:45	2.425	102.9	42.19	2.336	29.12	0
12/9/21 19:00	3.044	98.4	9.25	1.843	29.12	0
12/9/21 19:15	3.512	107.5	7.08	1.788	29.13	0
12/9/21 19:30	4.473	113.7	4.866	2.138	29.14	0
12/9/21 19:45	4.133	109.3	7.97	2.101	29.14	0
12/9/21 20:00	4.787	120.4	7.826	2.179	29.15	0
12/9/21 20:15	5.319	123.9	5.591	2.146	29.15	0
12/9/21 20:30	4.727	120.1	12.08	1.977	29.15	0
12/9/21 20:45	4.283	110.7	13.37	1.992	29.16	0
12/9/21 21:00	5.072	124.5	8.23	1.887	29.16	0
12/9/21 21:15	4.722	130.1	7.498	1.965	29.16	0
12/9/21 21:30	4.478	123.8	6.564	1.932	29.16	0.01
12/9/21 21:45	3.958	123.2	9.32	1.995	29.16	0
12/9/21 22:00	3.863	125.5	8.23	1.914	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
12/9/21 22:15	4.862	124.1	6.086	1.741	29.16	0
12/9/21 22:30	4.991	124.2	6.773	1.795	29.16	0
12/9/21 22:45	5.231	122.2	8.47	1.883	29.16	0
12/9/21 23:00	6.025	136	7.385	2.095	29.17	0
12/9/21 23:15	5.617	140.9	9.04	2.116	29.17	0
12/9/21 23:30	5.513	152.6	7.686	2.196	29.17	0
12/9/21 23:45	4.054	148.3	6.711	2.305	29.17	0
12/10/21 0:00	2.767	150.7	11.68	2.334	29.17	0
12/10/21 0:15	5.384	156.4	11.4	2.682	29.17	0
12/10/21 0:30	6.72	151.3	12.08	2.805	29.17	0
12/10/21 0:45	6.251	166.3	8.41	2.941	29.17	0
12/10/21 1:00	4.974	160.1	9.78	2.871	29.18	0
12/10/21 1:15	6.094	169.9	13.36	3.007	29.18	0
12/10/21 1:30	6.23	167.9	9.67	2.973	29.18	0
12/10/21 1:45	5.896	173.9	10.38	2.995	29.19	0
12/10/21 2:00	5.784	183	9.21	2.94	29.19	0
12/10/21 2:15	5.617	189.3	10.99	2.927	29.19	0
12/10/21 2:30	6.296	192.8	11.86	2.928	29.2	0
12/10/21 2:45	5.907	183.6	8.58	2.866	29.2	0
12/10/21 3:00	6.607	179.3	9.67	2.861	29.19	0
12/10/21 3:15	7.759	176.1	7.743	2.934	29.18	0
12/10/21 3:30	7.23	190.8	12.3	2.967	29.19	0
12/10/21 3:45	6.541	202.2	10.02	3.096	29.2	0
12/10/21 4:00	6.08	197.7	14.33	3.114	29.2	0
12/10/21 4:15	5.96	192.2	11.46	3.048	29.2	0
12/10/21 4:30	6.42	186.5	9.56	3.029	29.2	0
12/10/21 4:45	6.486	183.5	10.39	3.046	29.21	0
12/10/21 5:00	5.839	181.2	9.89	3.085	29.22	0
12/10/21 5:15	5.912	197.3	9.18	3.136	29.23	0
12/10/21 5:30	5.954	196.6	8.71	3.151	29.23	0
12/10/21 5:45	6.802	182.1	10.09	3.142	29.23	0
12/10/21 6:00	6.517	177.6	9.61	3.123	29.23	0
12/10/21 6:15	7.094	181.2	9.34	3.103	29.24	0
12/10/21 6:30	7.291	177	7.746	3.063	29.24	0
12/10/21 6:45	7.388	173	7.862	3.087	29.24	0
12/10/21 7:00	6.284	170.7	8.44	3.054	29.24	0
12/10/21 7:15	5.37	174.7	9.51	3.074	29.24	0
12/10/21 7:30	5.098	170.7	9.54	3.11	29.25	0
12/10/21 7:45	6.047	175.1	8.98	3.192	29.25	0
12/10/21 8:00	5.67	176.7	9.41	3.205	29.25	0
12/10/21 8:15	6.779	174.6	10.11	3.243	29.25	0
12/10/21 8:30	6.207	175	7.578	3.242	29.25	0
12/10/21 8:45	5.899	185.8	9.64	3.266	29.25	0
12/10/21 9:00	6.624	194.1	8.72	3.399	29.25	0
12/10/21 9:15	5.963	186.2	10.11	3.51	29.25	0
12/10/21 9:30	6.656	179.5	9.13	3.654	29.25	0
12/10/21 9:45	7.852	190.1	9.89	3.823	29.25	0
12/10/21 10:00	6.98	182.8	9.81	3.892	29.25	0
12/10/21 10:15	8.17	182.8	10.14	3.995	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
12/10/21 10:30	9.95	187.1	10.88	4.226	29.26	0
12/10/21 10:45	11.31	185.5	8.72	4.349	29.26	0
12/10/21 11:00	12.42	184.9	10.02	4.418	29.26	0
12/10/21 11:15	12.98	181.8	10.49	4.326	29.26	0
12/10/21 11:30	11.5	174.6	9.31	4.12	29.26	0
12/10/21 11:45	9.54	173.6	7.683	3.964	29.26	0.01
12/10/21 12:00	9.76	177.7	9.42	3.865	29.26	0.01
12/10/21 12:15	10.2	171.4	10.97	3.729	29.26	0.01
12/10/21 12:30	8.87	148.7	13.49	3.602	29.25	0.01
12/10/21 12:45	7.213	134.6	8.33	3.451	29.25	0.01
12/10/21 13:00	8.23	129.6	9.81	3.353	29.24	0.01
12/10/21 13:15	8.89	136.5	9.56	3.34	29.24	0
12/10/21 13:30	8.12	125.1	8.61	3.377	29.23	0
12/10/21 13:45	7.674	119	9.2	3.405	29.22	0
12/10/21 14:00	8.43	123.7	9.41	3.532	29.2	0.01
12/10/21 14:15	8.17	126.6	9.8	3.681	29.2	0
12/10/21 14:30	8.5	130.4	8.23	3.814	29.19	0
12/10/21 14:45	7.508	126.1	7.971	3.845	29.19	0
12/10/21 15:00	7.522	128.4	8.94	3.926	29.19	0
12/10/21 15:15	7.52	134.7	8.8	4.099	29.18	0
12/10/21 15:30	9.36	137.6	7.247	4.251	29.17	0
12/10/21 15:45	10.14	142.1	6.694	4.456	29.16	0
12/10/21 16:00	10.62	148.5	6.863	4.777	29.16	0
12/10/21 16:15	9.04	141.3	7.185	4.755	29.16	0
12/10/21 16:30	9.58	143.9	5.63	4.804	29.15	0
12/10/21 16:45	8.55	135.7	8.55	4.936	29.14	0
12/10/21 17:00	8.81	133.7	6.953	5.123	29.13	0
12/10/21 17:15	11.1	138.6	7.468	5.363	29.12	0
12/10/21 17:30	12.94	141.8	8.6	5.5	29.12	0
12/10/21 17:45	12.68	141.6	7.398	5.649	29.1	0
12/10/21 18:00	11.34	135.5	10.77	5.612	29.1	0
12/10/21 18:15	12.58	153.4	9.08	5.784	29.09	0
12/10/21 18:30	12.53	150.8	9.66	5.998	29.08	0
12/10/21 18:45	13.28	155.8	8.7	6.247	29.07	0
12/10/21 19:00	15.37	163.8	8.09	6.421	29.06	0
12/10/21 19:15	14.33	163.6	8.61	6.629	29.05	0
12/10/21 19:30	15.54	155	8.06	6.796	29.04	0
12/10/21 19:45	16.28	157.7	10.21	7.008	29.03	0
12/10/21 20:00	15.53	157.8	9.33	7.192	29.02	0.01
12/10/21 20:15	15.67	159.4	9.7	7.336	29.01	0
12/10/21 20:30	19.76	171.2	10.08	7.737	29	0
12/10/21 20:45	19.59	173.6	9.89	7.758	28.99	0
12/10/21 21:00	22.68	173	9.76	7.873	28.97	0
12/10/21 21:15	21.69	176	8.71	7.879	28.96	0
12/10/21 21:30	19.34	176.8	8.34	7.983	28.96	0
12/10/21 21:45	20.25	180.4	10.04	8.13	28.96	0
12/10/21 22:00	22.84	178	9.95	8.03	28.95	0
12/10/21 22:15	21.49	180.6	11.04	7.46	28.95	0.01
12/10/21 22:30	19.73	174.6	9.06	7.37	28.94	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/10/21 22:45	19.98	173.3	8.21	7.218	28.93	0.01
12/10/21 23:00	16.42	174.4	8.23	6.926	28.93	0
12/10/21 23:15	16.63	168.7	9.87	6.859	28.92	0.01
12/10/21 23:30	17.05	168.4	9.53	6.852	28.91	0.01
12/10/21 23:45	16.12	171.9	8.25	6.701	28.91	0.01
12/11/21 0:00	14.41	177.6	7.459	6.413	28.91	0.01
12/11/21 0:15	13.2	174.9	8.2	6.108	28.9	0.02
12/11/21 0:30	14.34	170.6	8.63	5.994	28.89	0.01
12/11/21 0:45	12.09	170.8	8.07	5.816	28.89	0.01
12/11/21 1:00	12.63	177.1	9.17	5.706	28.88	0.02
12/11/21 1:15	12.26	176.6	8.01	5.622	28.87	0.02
12/11/21 1:30	11.23	174.5	8.43	5.55	28.87	0.01
12/11/21 1:45	11.76	173.2	8.71	5.49	28.86	0.02
12/11/21 2:00	11.48	170.1	9.37	5.449	28.85	0.02
12/11/21 2:15	12.29	172.5	8.29	5.388	28.84	0.02
12/11/21 2:30	13.84	168.7	9.18	5.374	28.84	0.02
12/11/21 2:45	16.12	165.9	9.82	5.383	28.82	0.02
12/11/21 3:00	15.8	164.8	9.15	5.345	28.81	0.03
12/11/21 3:15	18.97	162.1	8.67	5.311	28.78	0.02
12/11/21 3:30	20.66	160.8	9.07	5.276	28.76	0.01
12/11/21 3:45	19.81	165.3	8.77	5.358	28.75	0
12/11/21 4:00	18.36	161.2	8.38	5.533	28.74	0.02
12/11/21 4:15	17.7	162.3	8.53	5.737	28.73	0.01
12/11/21 4:30	18.07	165	9.69	6.03	28.71	0.01
12/11/21 4:45	17.81	164.8	8.78	6.083	28.71	0.01
12/11/21 5:00	16.75	166.5	9.51	6.178	28.7	0
12/11/21 5:15	17.12	166.1	9.57	6.437	28.69	0.01
12/11/21 5:30	20.22	168.2	8.55	6.582	28.68	0.01
12/11/21 5:45	18.59	173.3	10.39	6.698	28.67	0.01
12/11/21 6:00	18.38	178.1	11.11	6.676	28.67	0
12/11/21 6:15	18.02	173.6	9.38	6.74	28.67	0.01
12/11/21 6:30	17.84	173.7	10.98	6.83	28.66	0
12/11/21 6:45	20.61	172.1	8.76	6.964	28.65	0
12/11/21 7:00	23.43	171.6	9.86	6.737	28.65	0.02
12/11/21 7:15	19.63	167.9	8.84	6.482	28.65	0.02
12/11/21 7:30	19.41	167.8	10.03	6.351	28.65	0.01
12/11/21 7:45	20.03	171.4	9.18	6.331	28.65	0.03
12/11/21 8:00	18.52	172.8	10.09	6.341	28.66	0
12/11/21 8:15	19.13	178.1	8.56	6.373	28.67	0.01
12/11/21 8:30	17.2	182.3	8.23	6.385	28.68	0
12/11/21 8:45	16.6	189.8	9.93	6.303	28.69	0.01
12/11/21 9:00	15.74	198	9.37	6.129	28.7	0.03
12/11/21 9:15	23.58	207.7	9.91	6.278	28.71	0.05
12/11/21 9:30	22.78	205.7	8.91	6.284	28.71	0.03
12/11/21 9:45	21.2	200.4	9.23	6.144	28.71	0.03
12/11/21 10:00	17.59	193.9	10.74	5.947	28.72	0.03
12/11/21 10:15	15.49	179.9	10.89	5.828	28.72	0.01
12/11/21 10:30	14.52	173.8	9.01	5.833	28.71	0.01
12/11/21 10:45	13.19	176.1	8.93	5.833	28.71	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
12/11/21 11:00	13.35	186.1	9.38	5.774	28.71	0.02
12/11/21 11:15	10.71	194.7	13.21	5.751	28.71	0.03
12/11/21 11:30	16.04	226.5	10.15	5.689	28.72	0.03
12/11/21 11:45	13.93	220	10.43	5.711	28.72	0.01
12/11/21 12:00	13.77	217.3	9.41	5.642	28.71	0.02
12/11/21 12:15	15.19	208.2	10.81	5.524	28.71	0.02
12/11/21 12:30	11.47	194	10.27	5.632	28.7	0
12/11/21 12:45	10.76	187.2	7.662	5.694	28.7	0
12/11/21 13:00	11.78	178.2	7.396	5.721	28.7	0
12/11/21 13:15	11.54	171.7	8.53	5.806	28.7	0
12/11/21 13:30	11.85	173.1	8.15	5.888	28.7	0
12/11/21 13:45	12.41	177.3	8.89	6.425	28.69	0
12/11/21 14:00	11.77	181.8	8.31	6.887	28.69	0
12/11/21 14:15	12.02	177.4	8.13	6.916	28.68	0
12/11/21 14:30	11.04	172.7	10.23	7.068	28.68	0
12/11/21 14:45	10.91	173.5	9.91	6.994	28.69	0
12/11/21 15:00	13.89	162.2	9.59	6.806	28.68	0
12/11/21 15:15	16.13	182.4	27.3	6.535	28.67	0.04
12/11/21 15:30	21.88	238.2	7.746	4.747	28.69	0.04
12/11/21 15:45	18.32	238.9	8.33	4.794	28.7	0
12/11/21 16:00	17.92	237.1	10.33	4.65	28.7	0
12/11/21 16:15	17.25	230.1	8.94	4.296	28.71	0.01
12/11/21 16:30	17.21	228.9	10.02	4.156	28.71	0
12/11/21 16:45	15.19	214.1	9.71	4.118	28.71	0
12/11/21 17:00	14.7	202.2	10.52	4.082	28.7	0
12/11/21 17:15	11.31	183.5	8.67	3.889	28.71	0
12/11/21 17:30	12.08	179.8	10.03	3.805	28.71	0
12/11/21 17:45	10.19	169.2	10.58	3.752	28.72	0
12/11/21 18:00	9.17	164.1	8.82	3.641	28.72	0
12/11/21 18:15	8.3	165.9	8.75	3.547	28.72	0
12/11/21 18:30	12.24	171.9	11.71	3.707	28.72	0
12/11/21 18:45	11.93	173	7.777	3.667	28.72	0
12/11/21 19:00	10.71	174.6	7.988	3.585	28.72	0
12/11/21 19:15	10.83	173.1	7.425	3.524	28.72	0
12/11/21 19:30	12.02	176.2	7.659	3.511	28.72	0
12/11/21 19:45	10.03	174.9	8.73	3.414	28.72	0
12/11/21 20:00	8.87	172.4	10.59	3.329	28.72	0
12/11/21 20:15	10.2	159.8	8.03	3.214	28.72	0
12/11/21 20:30	10.3	158.3	8.46	3.112	28.72	0
12/11/21 20:45	10.8	157.4	8.09	2.949	28.72	0
12/11/21 21:00	10.66	150.6	7.458	2.769	28.71	0
12/11/21 21:15	10.06	144.1	8.14	2.674	28.71	0
12/11/21 21:30	7.44	135.6	8.64	2.568	28.71	0
12/11/21 21:45	6.422	118.9	8.4	2.478	28.7	0
12/11/21 22:00	8.92	122.5	7.788	2.539	28.69	0
12/11/21 22:15	9.01	133.6	8.37	2.723	28.68	0
12/11/21 22:30	9.21	139.1	7.172	2.848	28.68	0
12/11/21 22:45	9.26	131	8.12	3.009	28.67	0
12/11/21 23:00	7.895	136.7	10.49	2.881	28.66	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/11/21 23:15	10.74	152.7	6.096	3.163	28.66	0
12/11/21 23:30	9.93	158.3	7.134	3.264	28.66	0
12/11/21 23:45	10.41	166.4	17.07	3.434	28.66	0
12/12/21 0:00	15.31	199.9	11.28	3.399	28.67	0.01
12/12/21 0:15	16.07	198.7	8.86	2.87	28.68	0.03
12/12/21 0:30	12.03	204.1	11.47	2.386	28.69	0.03
12/12/21 0:45	12.26	185.1	10.55	2.355	28.68	0.01
12/12/21 1:00	13.24	187.9	9.52	2.228	28.69	0
12/12/21 1:15	12.61	187.8	8.44	2.21	28.69	0
12/12/21 1:30	13.29	185.8	9.19	2.225	28.7	0
12/12/21 1:45	14.19	173.9	9.61	2.248	28.69	0
12/12/21 2:00	13.21	177.1	8.35	2.228	28.7	0
12/12/21 2:15	11.69	176.3	9.35	2.156	28.71	0
12/12/21 2:30	11.09	154.8	9.22	2.051	28.72	0
12/12/21 2:45	10.65	148.6	8.73	1.942	28.72	0
12/12/21 3:00	10.77	157.7	10.02	2.03	28.72	0
12/12/21 3:15	13.28	171.2	8.99	2.1	28.72	0
12/12/21 3:30	10.67	162.3	9.38	1.903	28.73	0
12/12/21 3:45	9.28	162.1	8.25	1.937	28.73	0
12/12/21 4:00	10.47	164.5	11.6	1.998	28.73	0
12/12/21 4:15	11.86	170	9.41	2.093	28.73	0
12/12/21 4:30	11.75	172.1	7.996	2.012	28.73	0
12/12/21 4:45	10.57	166.9	9.45	2.089	28.73	0
12/12/21 5:00	9.04	171.7	11.16	2.192	28.74	0
12/12/21 5:15	9.05	158.2	14.58	2.062	28.74	0
12/12/21 5:30	9.27	155.4	11.86	2.053	28.74	0
12/12/21 5:45	7.322	137.8	9.66	1.929	28.74	0
12/12/21 6:00	6.27	127.9	8.88	1.83	28.74	0
12/12/21 6:15	6.616	131.2	8.78	2.004	28.74	0
12/12/21 6:30	7.493	140.2	8.69	2.144	28.74	0
12/12/21 6:45	9.11	148.3	7.998	2.254	28.74	0
12/12/21 7:00	11.68	163.6	12.79	2.304	28.74	0
12/12/21 7:15	7.566	170.6	8.15	2.071	28.75	0
12/12/21 7:30	7.6	165.3	9.78	1.841	28.76	0
12/12/21 7:45	8.56	144.7	7.685	1.584	28.77	0
12/12/21 8:00	8.94	158.6	9.35	1.812	28.77	0
12/12/21 8:15	5.511	131.7	15.34	1.694	28.78	0
12/12/21 8:30	5.547	127.8	11.64	1.624	28.78	0
12/12/21 8:45	7.205	136.6	7.351	1.67	28.79	0
12/12/21 9:00	6.32	126.6	7.555	1.699	28.79	0
12/12/21 9:15	6.712	126.8	8.58	1.983	28.8	0
12/12/21 9:30	7.305	146.3	7.745	2.106	28.8	0
12/12/21 9:45	8.45	149.7	7.248	2.548	28.81	0
12/12/21 10:00	9.95	156	7.573	2.737	28.82	0
12/12/21 10:15	11.13	154.2	7.722	2.749	28.82	0
12/12/21 10:30	9.61	148.3	7.459	2.801	28.82	0
12/12/21 10:45	8.63	153	6.681	2.966	28.82	0
12/12/21 11:00	8.78	142.2	7.364	3.146	28.82	0
12/12/21 11:15	6.938	148.8	8.71	3.195	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
12/12/21 11:30	11.39	153.1	8.4	3.299	28.81	0
12/12/21 11:45	15.35	162.2	9.07	3.255	28.82	0
12/12/21 12:00	14.05	158.1	9.18	2.91	28.82	0
12/12/21 12:15	13.63	160.9	9.94	2.613	28.82	0
12/12/21 12:30	10.94	155.8	10.83	2.133	28.82	0.01
12/12/21 12:45	8.93	129	12.62	1.694	28.82	0.01
12/12/21 13:00	8.06	113.6	12.4	1.477	28.81	0
12/12/21 13:15	9.72	129.4	10.48	1.638	28.81	0
12/12/21 13:30	10.44	131.7	8.86	1.974	28.81	0.01
12/12/21 13:45	9.25	133.2	9.34	2.369	28.81	0
12/12/21 14:00	9.55	128.8	9.34	2.31	28.81	0
12/12/21 14:15	8.66	133.1	10.12	2.339	28.81	0
12/12/21 14:30	8.51	131.6	9.27	2.456	28.81	0
12/12/21 14:45	9.58	137.7	9.33	2.544	28.8	0
12/12/21 15:00	10.03	141.5	13.62	2.369	28.8	0.01
12/12/21 15:15	8.37	139.9	13.8	2.187	28.8	0
12/12/21 15:30	7.787	123.1	9.91	2.043	28.8	0.01
12/12/21 15:45	6.586	118	9.52	1.969	28.8	0
12/12/21 16:00	6.771	112.7	10.7	2.07	28.79	0.01
12/12/21 16:15	9.53	113.9	10.16	2.281	28.79	0
12/12/21 16:30	10.14	126	9.14	2.384	28.79	0
12/12/21 16:45	11.37	124	9.47	2.456	28.79	0
12/12/21 17:00	11.26	122.9	9.87	2.457	28.79	0
12/12/21 17:15	7.054	116	24.38	2.374	28.79	0
12/12/21 17:30	9.31	137.4	10.52	2.455	28.79	0
12/12/21 17:45	7.762	148.2	13.23	2.588	28.79	0
12/12/21 18:00	6.268	146.7	21.58	2.664	28.79	0.01
12/12/21 18:15	6.913	127.8	8.07	2.722	28.79	0
12/12/21 18:30	6.175	129.9	11.79	2.732	28.79	0
12/12/21 18:45	6.45	135.6	10.21	2.727	28.78	0
12/12/21 19:00	5.005	152	13.63	2.65	28.79	0
12/12/21 19:15	5.715	142.9	13.36	2.449	28.79	0
12/12/21 19:30	2.855	87.1	32.82	2.463	28.79	0
12/12/21 19:45	4.017	99.5	26.6	2.628	28.79	0
12/12/21 20:00	3.501	107.1	19.54	2.447	28.79	0
12/12/21 20:15	5.25	132.2	8.14	2.926	28.78	0
12/12/21 20:30	5.367	119.3	8.74	2.901	28.78	0
12/12/21 20:45	5.508	115.9	8.51	2.759	28.77	0
12/12/21 21:00	6.702	113	7.057	2.963	28.76	0
12/12/21 21:15	6.838	130.1	11.35	3.083	28.76	0
12/12/21 21:30	4.387	157.8	19.41	2.734	28.76	0
12/12/21 21:45	3.692	134.3	15.58	2.546	28.75	0
12/12/21 22:00	4.993	128.7	9.54	2.601	28.75	0
12/12/21 22:15	4.84	104.7	17.23	2.724	28.74	0
12/12/21 22:30	4.444	83.1	19.03	2.476	28.74	0
12/12/21 22:45	3.868	83.8	16.25	2.501	28.73	0
12/12/21 23:00	3.877	73.59	11.42	2.493	28.73	0
12/12/21 23:15	5.08	109.2	19.38	2.979	28.73	0
12/12/21 23:30	10.27	139.1	10.13	2.975	28.73	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/12/21 23:45	11.63	144.1	9.34	3.091	28.74	0
12/13/21 0:00	8.67	133.3	11.39	2.98	28.74	0.01
12/13/21 0:15	5.952	112.7	17.52	2.775	28.72	0
12/13/21 0:30	3.703	50.34	37.55	2.691	28.71	0
12/13/21 0:45	5.776	52.1	18.48	2.895	28.69	0
12/13/21 1:00	6.04	69.31	21.37	3.072	28.68	0
12/13/21 1:15	9.69	121.6	12.09	3.182	28.67	0
12/13/21 1:30	12.95	113.9	10.37	3.79	28.66	0
12/13/21 1:45	14.92	125.4	11.38	4.144	28.64	0
12/13/21 2:00	14.19	126.7	9.39	4.451	28.64	0
12/13/21 2:15	14.42	126.9	9.08	4.483	28.64	0
12/13/21 2:30	12.96	130.8	9.7	4.489	28.64	0
12/13/21 2:45	14.1	136.2	11.36	4.606	28.65	0
12/13/21 3:00	13.75	140.1	10.93	4.55	28.66	0
12/13/21 3:15	11.12	160	26.95	4.193	28.67	0
12/13/21 3:30	8.77	154.8	28.04	3.965	28.68	0.01
12/13/21 3:45	7.56	131.3	10.59	3.672	28.67	0.01
12/13/21 4:00	9.36	121.4	7.511	3.72	28.66	0.01
12/13/21 4:15	8.59	112.4	18.44	3.512	28.66	0.02
12/13/21 4:30	6.745	113	20.04	3.217	28.66	0
12/13/21 4:45	11.31	132.8	11.46	3.624	28.67	0
12/13/21 5:00	15.34	131.7	9.56	3.642	28.67	0.02
12/13/21 5:15	12.06	118.7	11.05	3.415	28.67	0
12/13/21 5:30	10.41	120.1	13.29	3.29	28.65	0
12/13/21 5:45	8.11	154.2	16.37	3.364	28.65	0
12/13/21 6:00	7.773	142.8	12.58	3.218	28.65	0
12/13/21 6:15	6.023	160.4	18.3	3.461	28.65	0
12/13/21 6:30	7.387	142.1	14.96	3.917	28.66	0
12/13/21 6:45	6.909	183.3	15.82	3.652	28.67	0
12/13/21 7:00	7.351	163.8	11.38	3.44	28.68	0
12/13/21 7:15	6.373	133.4	13.13	3.41	28.67	0
12/13/21 7:30	5.99	97	14.12	3.758	28.64	0
12/13/21 7:45	4.581	134.1	29.73	4.016	28.63	0
12/13/21 8:00	4.747	95.9	71.54	3.03	28.63	0
12/13/21 8:15	3.294	21.86	9.56	2.267	28.63	0
12/13/21 8:30	2.034	109.7	20.61	2.925	28.64	0
12/13/21 8:45	1.958	65.52	21.7	3.218	28.63	0
12/13/21 9:00	1.336	39.9	11.99	2.392	28.63	0
12/13/21 9:15	1.301	51.01	60.36	2.618	28.63	0
12/13/21 9:30	1.401	68.52	37.2	3.372	28.63	0
12/13/21 9:45	2.742	29.2	10.41	2.502	28.63	0
12/13/21 10:00	4.859	31.08	7.636	2.394	28.62	0
12/13/21 10:15	5.549	33.74	9.59	2.278	28.61	0
12/13/21 10:30	5.191	28.61	10.15	2.35	28.61	0
12/13/21 10:45	5.861	32.58	8.77	2.691	28.59	0
12/13/21 11:00	3.906	17.78	18.56	2.858	28.59	0
12/13/21 11:15	4.66	10.3	15.19	2.916	28.58	0
12/13/21 11:30	4.65	17.92	10.81	2.971	28.57	0
12/13/21 11:45	4.459	18.6	15.21	2.861	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
12/13/21 12:00	3.73	5.245	19.03	2.941	28.56	0
12/13/21 12:15	3.515	7.835	15.19	2.979	28.54	0
12/13/21 12:30	5.194	4.895	14.01	2.857	28.52	0
12/13/21 12:45	3.326	6.891	18.22	3.119	28.52	0
12/13/21 13:00	2.09	1.621	16.42	3.18	28.52	0
12/13/21 13:15	0.79	6.662	12.61	3.183	28.53	0
12/13/21 13:30	0.595	46.03	17.46	3.137	28.54	0
12/13/21 13:45	6.819	47.82	23.39	3.02	28.52	0
12/13/21 14:00	6.033	18.51	10.01	3.202	28.51	0
12/13/21 14:15	5.48	21.27	12.65	3.379	28.51	0
12/13/21 14:30	5.258	23.44	10.02	3.182	28.51	0
12/13/21 14:45	4.436	21.17	14.23	3.283	28.51	0
12/13/21 15:00	3.43	27.36	11.26	3.488	28.51	0
12/13/21 15:15	5.122	33.62	10.91	3.422	28.52	0
12/13/21 15:30	3.771	44.45	14.63	3.475	28.52	0
12/13/21 15:45	1.783	60.85	25.33	3.4	28.53	0
12/13/21 16:00	1.137	73.06	28.48	3.356	28.54	0
12/13/21 16:15	4.717	152.2	11.54	3.391	28.54	0
12/13/21 16:30	5.549	142.9	7.023	3.24	28.55	0
12/13/21 16:45	5.665	152.3	17.62	3.049	28.55	0
12/13/21 17:00	7.394	185.1	13.95	3.043	28.56	0
12/13/21 17:15	7.316	180.7	10.53	2.965	28.57	0
12/13/21 17:30	6.37	150.1	8.33	2.987	28.58	0
12/13/21 17:45	4.262	134.7	9.6	3.012	28.59	0
12/13/21 18:00	4.082	125.9	8.6	2.95	28.59	0
12/13/21 18:15	3.737	123.1	15.76	2.886	28.6	0
12/13/21 18:30	4.127	122.6	15.06	2.9	28.6	0
12/13/21 18:45	6.154	155.3	14.74	3.09	28.61	0.01
12/13/21 19:00	6.843	148.6	8.98	3.042	28.62	0
12/13/21 19:15	5.949	122	11.85	3.038	28.62	0.01
12/13/21 19:30	7.054	114.5	7.446	2.92	28.61	0
12/13/21 19:45	8.12	136.2	14.52	3.292	28.62	0
12/13/21 20:00	7.932	146.5	9.54	3.359	28.64	0
12/13/21 20:15	9.42	155.9	7.938	3.556	28.65	0
12/13/21 20:30	9.6	171	6.813	3.637	28.66	0
12/13/21 20:45	10.04	168	9.34	3.624	28.67	0
12/13/21 21:00	8.71	177.3	12.55	3.475	28.68	0
12/13/21 21:15	5.924	165.4	18.82	3.173	28.69	0
12/13/21 21:30	3.067	137.6	21.64	2.975	28.7	0
12/13/21 21:45	3.229	117.2	21.16	2.93	28.71	0
12/13/21 22:00	2.785	167.6	34.9	3.081	28.72	0
12/13/21 22:15	5.002	161.9	18.89	2.833	28.72	0
12/13/21 22:30	6.289	186.6	13.03	2.729	28.73	0
12/13/21 22:45	7.783	195.7	8.36	2.936	28.74	0
12/13/21 23:00	5.504	178.2	7.464	2.669	28.75	0
12/13/21 23:15	6.213	184.7	8.57	2.552	28.75	0
12/13/21 23:30	5.964	159.2	9.79	2.17	28.75	0
12/13/21 23:45	5.238	166.2	9.84	1.874	28.75	0
12/14/21 0:00	6.288	164.1	9.08	2.336	28.76	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/14/21 0:15	4.37	158.6	8.18	2.34	28.77	0
12/14/21 0:30	3.772	150.5	24.44	2.352	28.77	0
12/14/21 0:45	2.574	144.1	30.36	2.243	28.77	0
12/14/21 1:00	5.433	168.9	14.7	2.255	28.78	0
12/14/21 1:15	6.218	168.1	10.05	2.461	28.78	0
12/14/21 1:30	6.175	171.7	8.53	2.374	28.79	0
12/14/21 1:45	7.888	156.1	7.242	1.995	28.79	0
12/14/21 2:00	8.12	158.4	7.548	1.628	28.8	0
12/14/21 2:15	9.41	155.4	6.867	1.402	28.81	0
12/14/21 2:30	10.18	152.6	6.712	1.167	28.82	0
12/14/21 2:45	7.762	156.9	12.87	0.942	28.83	0.01
12/14/21 3:00	9.53	174.9	8.09	0.459	28.83	0
12/14/21 3:15	9.23	143.5	8.1	0.122	28.84	0
12/14/21 3:30	8.01	127.4	8.87	0.024	28.84	0
12/14/21 3:45	6.223	124.6	8.39	0.053	28.84	0
12/14/21 4:00	6.183	120.6	11.22	-0.003	28.85	0
12/14/21 4:15	7.491	119.9	10.48	0.079	28.85	0
12/14/21 4:30	6.446	118.7	10.76	0.145	28.86	0
12/14/21 4:45	7.493	120.8	9.39	0.255	28.86	0
12/14/21 5:00	7.849	124.3	9.64	0.294	28.86	0
12/14/21 5:15	7.376	122.4	11.14	0.279	28.86	0
12/14/21 5:30	7.072	133.5	11.65	0.314	28.86	0
12/14/21 5:45	5.496	132.3	8.93	0.394	28.87	0
12/14/21 6:00	3.199	139	8.88	0.409	28.88	0
12/14/21 6:15	5.073	128.6	8.56	0.654	28.88	0
12/14/21 6:30	3.543	108.4	16.96	0.627	28.89	0
12/14/21 6:45	1.657	80.7	19.45	0.688	28.89	0
12/14/21 7:00	4.526	126.8	19.61	0.734	28.9	0
12/14/21 7:15	5.227	146.5	12.13	0.841	28.9	0
12/14/21 7:30	4.774	158.6	14.94	0.814	28.91	0
12/14/21 7:45	5.806	173.9	12.4	1.027	28.92	0
12/14/21 8:00	6.181	176	9.05	0.733	28.92	0
12/14/21 8:15	4.134	170.5	17.7	0.68	28.92	0
12/14/21 8:30	2.312	139.1	40.22	0.693	28.93	0
12/14/21 8:45	0.342	91.5	13.06	0.646	28.94	0
12/14/21 9:00	1.092	162.1	19.4	0.866	28.94	0
12/14/21 9:15	2.967	132.7	12.27	1.228	28.95	0
12/14/21 9:30	3.555	129.8	14.7	1.134	28.95	0
12/14/21 9:45	3.035	116.5	15.03	1.074	28.96	0
12/14/21 10:00	3.98	128.9	12.76	1.195	28.97	0
12/14/21 10:15	4.586	126.5	11.71	1.571	28.97	0
12/14/21 10:30	5.231	135.8	8.05	1.64	28.97	0.01
12/14/21 10:45	5.281	126.5	9.03	1.792	28.97	0.02
12/14/21 11:00	5.742	128.6	7.612	2.245	28.97	0.01
12/14/21 11:15	5.666	132.9	10.47	2.448	28.97	0
12/14/21 11:30	7.43	147.1	14.6	2.403	28.97	0
12/14/21 11:45	10.33	170.2	10.78	2.545	28.97	0
12/14/21 12:00	8.26	172.1	11.24	2.383	28.97	0
12/14/21 12:15	8.79	177.1	13.08	1.99	28.97	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/14/21 12:30	7.77	153.2	14.21	2.24	28.97	0
12/14/21 12:45	6.894	139.5	19.21	2.092	28.97	0
12/14/21 13:00	4.958	100.6	13.25	1.964	28.97	0
12/14/21 13:15	5.007	102.2	9.28	1.925	28.96	0
12/14/21 13:30	5.521	95.8	11.76	1.877	28.96	0
12/14/21 13:45	5.425	103	12.53	1.963	28.96	0.01
12/14/21 14:00	5.766	131	21.99	2.177	28.97	0
12/14/21 14:15	6.328	147.2	12.78	1.883	28.97	0
12/14/21 14:30	7.027	148.6	8.56	1.314	28.97	0.02
12/14/21 14:45	5.216	129.2	10.64	0.972	28.97	0.01
12/14/21 15:00	5.602	131.1	8.18	0.517	28.98	0
12/14/21 15:15	4.784	112.3	10.84	0.412	28.98	0.01
12/14/21 15:30	5.543	111.4	9.26	0.453	28.98	0.01
12/14/21 15:45	7.268	118.7	9.74	0.556	28.98	0.01
12/14/21 16:00	7.162	127.4	7.037	0.735	28.98	0
12/14/21 16:15	7.378	128	7.529	0.765	28.99	0.01
12/14/21 16:30	7.272	132.9	8.2	0.503	28.99	0.01
12/14/21 16:45	8.17	130.6	7.759	0.252	28.99	0
12/14/21 17:00	7.287	121.1	8.2	0.128	28.99	0
12/14/21 17:15	7.421	117.6	12.36	0.188	28.99	0
12/14/21 17:30	8.23	124.3	7.327	0.396	28.99	0
12/14/21 17:45	7.738	123.6	8.2	0.565	28.99	0
12/14/21 18:00	7.489	127.1	8.73	0.649	28.99	0.01
12/14/21 18:15	7.891	123.4	7.323	0.734	28.99	0
12/14/21 18:30	8.29	125.4	7.621	0.779	28.99	0.01
12/14/21 18:45	6.717	109.4	20.1	0.891	28.99	0.02
12/14/21 19:00	5.503	88.4	12.79	1.03	28.99	0.01
12/14/21 19:15	5.634	97.6	10.39	1.161	28.99	0
12/14/21 19:30	6.167	111.4	13.59	1.373	29	0.01
12/14/21 19:45	5.399	132.7	21.33	1.502	29	0
12/14/21 20:00	3.806	110.2	18.14	1.397	29	0
12/14/21 20:15	5.345	138	14.9	1.444	28.99	0
12/14/21 20:30	7.167	127.7	7.076	1.718	28.99	0
12/14/21 20:45	6.831	125.7	7.019	1.943	28.99	0
12/14/21 21:00	7.288	123.8	7.113	2.056	28.99	0
12/14/21 21:15	6.401	127.8	7.542	2.11	29	0
12/14/21 21:30	6.181	130.2	7.477	2.11	29	0
12/14/21 21:45	5.91	129.2	6.564	2.067	29	0
12/14/21 22:00	5.597	126.6	6.235	2.01	28.99	0
12/14/21 22:15	6.49	127.6	6.163	2.234	28.99	0
12/14/21 22:30	5.952	131.3	7.648	2.172	28.99	0
12/14/21 22:45	6.261	130.2	6.023	2.085	28.99	0
12/14/21 23:00	6.514	124.3	6.425	2.239	28.99	0
12/14/21 23:15	5.837	123.5	7.183	2.491	28.99	0
12/14/21 23:30	6.282	123.5	7.303	2.514	28.99	0.01
12/14/21 23:45	5.675	134.7	7.445	2.444	28.99	0
12/15/21 0:00	5.416	133.3	8.04	2.356	28.99	0
12/15/21 0:15	5.488	135.9	8.27	2.34	28.98	0
12/15/21 0:30	5.045	139.1	12.01	2.278	28.98	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/15/21 0:45	5.345	148.4	14.29	2.087	28.98	0
12/15/21 1:00	4.776	136.5	12.93	1.987	28.98	0
12/15/21 1:15	5.051	126.7	10.22	2.139	28.98	0
12/15/21 1:30	6.517	123.9	9.33	2.31	28.98	0
12/15/21 1:45	6.532	124.4	11.74	2.415	28.97	0
12/15/21 2:00	6.358	129	12.69	2.536	28.97	0
12/15/21 2:15	6.705	121.8	9.82	2.609	28.97	0
12/15/21 2:30	6.142	142.3	12.41	2.647	28.97	0
12/15/21 2:45	7.674	140.1	11.46	2.74	28.97	0
12/15/21 3:00	9.03	127.8	14.61	2.826	28.97	0
12/15/21 3:15	8.6	137.3	11.43	2.844	28.97	0
12/15/21 3:30	9.16	140.8	11.5	2.788	28.96	0
12/15/21 3:45	8.51	129.6	10.64	2.973	28.96	0
12/15/21 4:00	8.36	127.4	11.04	2.854	28.96	0
12/15/21 4:15	9.57	126.4	12.49	3.017	28.95	0
12/15/21 4:30	9.73	120.8	11.77	3.052	28.95	0
12/15/21 4:45	10.7	120.6	11.56	3.118	28.94	0
12/15/21 5:00	12.19	119.6	11.76	3.142	28.94	0
12/15/21 5:15	10.71	116.6	11.41	3.138	28.94	0
12/15/21 5:30	9.22	122.4	11.74	3.029	28.94	0
12/15/21 5:45	8.03	151.1	16.14	2.779	28.94	0
12/15/21 6:00	10.06	150.6	17.79	2.678	28.95	0
12/15/21 6:15	9	118.7	17.41	2.862	28.95	0
12/15/21 6:30	11.25	123.2	10.31	3.175	28.94	0
12/15/21 6:45	12.99	117.9	13.91	3.365	28.94	0
12/15/21 7:00	7.599	117.6	14.04	3.167	28.94	0
12/15/21 7:15	3.964	162.2	27.68	3.086	28.94	0
12/15/21 7:30	3.713	188.1	28.09	3.052	28.94	0
12/15/21 7:45	2.863	106.6	40.47	2.874	28.94	0
12/15/21 8:00	3.144	92.2	15.09	2.841	28.93	0
12/15/21 8:15	5.168	123.4	14	2.701	28.93	0
12/15/21 8:30	6.172	106.8	10.01	2.689	28.93	0
12/15/21 8:45	5.235	112.7	12.64	2.905	28.93	0
12/15/21 9:00	8.8	121.9	12.35	3.166	28.93	0
12/15/21 9:15	7	118.9	12.52	3.227	28.93	0
12/15/21 9:30	9.84	126.4	10.52	3.471	28.93	0
12/15/21 9:45	13.82	124.7	10.39	3.939	28.92	0
12/15/21 10:00	14.2	120.9	10.62	4.072	28.92	0
12/15/21 10:15	14.7	123.9	10.07	4.048	28.91	0
12/15/21 10:30	15.48	121	10.22	4.362	28.91	0
12/15/21 10:45	17.72	121.5	10.68	4.337	28.9	0
12/15/21 11:00	16.77	121.8	12.1	4.255	28.89	0
12/15/21 11:15	14.99	125.1	9.97	4.343	28.89	0
12/15/21 11:30	15.18	124.6	12.79	4.503	28.88	0
12/15/21 11:45	15.38	124.9	11.84	4.489	28.88	0
12/15/21 12:00	14.96	122.3	11.25	4.35	28.88	0
12/15/21 12:15	15.91	124.1	9.62	4.346	28.87	0
12/15/21 12:30	11.49	123.9	12.07	4.362	28.88	0
12/15/21 12:45	12.75	131.2	9.36	4.212	28.88	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/15/21 13:00	12.09	120.6	11.86	4.143	28.87	0
12/15/21 13:15	10.75	127.4	9.77	4.36	28.87	0
12/15/21 13:30	9.11	122.8	12.42	4.425	28.87	0
12/15/21 13:45	7.248	92.9	15.07	4.438	28.87	0
12/15/21 14:00	9.04	91.3	17.53	4.471	28.86	0
12/15/21 14:15	9.85	101.6	16.01	4.444	28.86	0
12/15/21 14:30	8.57	108.8	15.72	4.51	28.86	0
12/15/21 14:45	10.05	112.7	13.35	4.802	28.86	0
12/15/21 15:00	8.45	110.9	14.55	4.959	28.86	0
12/15/21 15:15	11.38	113.7	18.71	4.965	28.86	0
12/15/21 15:30	15.51	110.5	14.72	4.448	28.86	0
12/15/21 15:45	12.89	101.7	18.59	4.169	28.85	0
12/15/21 16:00	12.13	110.9	13.03	4.142	28.86	0
12/15/21 16:15	11.52	105.5	13.81	4.301	28.85	0
12/15/21 16:30	10	96.9	15.33	4.428	28.85	0
12/15/21 16:45	11.81	105.7	13.35	4.579	28.85	0
12/15/21 17:00	11.43	99.7	13.93	4.654	28.85	0
12/15/21 17:15	8.67	104.1	17.93	4.687	28.85	0
12/15/21 17:30	10.93	114.1	12.12	4.775	28.85	0
12/15/21 17:45	12.24	120.6	16.83	4.764	28.86	0
12/15/21 18:00	14.47	124.7	10.56	4.688	28.86	0
12/15/21 18:15	16.55	126.8	11.21	4.51	28.86	0
12/15/21 18:30	15.83	128.9	10.67	4.389	28.87	0
12/15/21 18:45	15.5	125.3	10.13	4.365	28.87	0
12/15/21 19:00	15.06	133.8	11.21	4.215	28.87	0
12/15/21 19:15	13.98	132	10.25	4.134	28.88	0
12/15/21 19:30	11.83	132.9	10.87	4.039	28.88	0
12/15/21 19:45	13.46	125.2	11.77	4.045	28.89	0
12/15/21 20:00	15.87	119.9	12.98	3.843	28.89	0
12/15/21 20:15	17.54	112.3	16.46	3.421	28.89	0
12/15/21 20:30	15.81	114.4	14.89	3.112	28.9	0
12/15/21 20:45	12.61	114	13.16	3.301	28.9	0
12/15/21 21:00	13.57	113.1	13.51	3.405	28.91	0
12/15/21 21:15	13.97	113.1	12.29	3.184	28.92	0
12/15/21 21:30	8.99	110.2	14.16	3.032	28.93	0
12/15/21 21:45	7.341	97.8	15.71	3.034	28.93	0
12/15/21 22:00	5.88	92.8	15.88	3.116	28.94	0
12/15/21 22:15	5.712	98.5	16.71	3.183	28.94	0
12/15/21 22:30	6.074	98.2	13.38	3.138	28.95	0
12/15/21 22:45	2.965	95.5	14.47	3.043	28.95	0
12/15/21 23:00	2.355	128.8	24.15	3.111	28.96	0
12/15/21 23:15	3.325	106.4	18.58	3.127	28.96	0
12/15/21 23:30	4.063	91.1	17.47	3.168	28.97	0
12/15/21 23:45	5.056	107.2	16.97	3.026	28.97	0
12/16/21 0:00	6.026	121.6	14.29	3.031	28.97	0
12/16/21 0:15	11.48	131.1	10.42	3.199	28.96	0
12/16/21 0:30	12.87	127.1	9.72	3.307	28.97	0
12/16/21 0:45	9.19	125.7	11.92	3.013	28.97	0
12/16/21 1:00	9.37	124.5	10.39	2.864	28.97	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/16/21 1:15	7.957	130.3	11.67	2.786	28.97	0
12/16/21 1:30	6.067	140.4	12.93	2.825	28.98	0
12/16/21 1:45	5.407	110.8	12.94	2.949	28.99	0
12/16/21 2:00	4.238	121.7	11.47	2.95	28.99	0
12/16/21 2:15	4.87	147	8.12	2.981	28.99	0
12/16/21 2:30	2.983	107.8	20.52	2.828	29	0
12/16/21 2:45	0.741	67.59	18.26	2.716	29.01	0
12/16/21 3:00	3.827	147.2	11.89	2.846	29.01	0
12/16/21 3:15	3.692	151.6	11.73	2.953	29.01	0
12/16/21 3:30	4.164	160.7	13.55	2.937	29.02	0
12/16/21 3:45	3.798	125.4	11.59	2.97	29.02	0
12/16/21 4:00	4.558	131.7	19.69	2.911	29.02	0
12/16/21 4:15	6.865	156.9	9.78	2.965	29.02	0
12/16/21 4:30	5.821	136.4	9.76	2.949	29.03	0
12/16/21 4:45	6.402	150.2	13.21	2.858	29.03	0
12/16/21 5:00	6.62	151.6	8.29	2.762	29.03	0
12/16/21 5:15	5.852	160.6	10.91	2.674	29.04	0
12/16/21 5:30	6.457	152.5	8.29	2.502	29.04	0
12/16/21 5:45	5.593	151.7	7.905	2.328	29.05	0
12/16/21 6:00	5.494	137.8	12.29	1.881	29.06	0
12/16/21 6:15	2.107	97.8	20.14	1.591	29.06	0
12/16/21 6:30	2.307	118.1	11.42	1.605	29.07	0
12/16/21 6:45	3.878	139.8	11.51	1.529	29.07	0
12/16/21 7:00	4.136	136.2	19.3	1.624	29.07	0
12/16/21 7:15	4.826	114.2	13.73	1.596	29.07	0
12/16/21 7:30	6.002	126	7.478	1.553	29.07	0
12/16/21 7:45	5.499	129	9.41	1.522	29.07	0
12/16/21 8:00	5.172	131.7	9.14	1.485	29.08	0.01
12/16/21 8:15	5.203	123.8	9.57	1.488	29.08	0
12/16/21 8:30	5.533	113.7	8.26	1.579	29.08	0
12/16/21 8:45	4.375	118.2	10.97	1.671	29.09	0
12/16/21 9:00	1.41	90.1	16.75	1.713	29.09	0.01
12/16/21 9:15	0.377	86	9.94	1.756	29.1	0
12/16/21 9:30	1.874	86.4	20.3	1.859	29.11	0.01
12/16/21 9:45	1.363	29.93	10.49	1.936	29.11	0
12/16/21 10:00	2.185	19.01	7.033	1.946	29.12	0.01
12/16/21 10:15	2.927	11.98	7.397	1.998	29.12	0
12/16/21 10:30	2.211	38.36	12.24	2.017	29.12	0
12/16/21 10:45	2.24	32.48	26.95	2.086	29.13	0
12/16/21 11:00	1.019	8.13	28.32	2.279	29.13	0
12/16/21 11:15	0.783	30.78	16.23	2.62	29.13	0
12/16/21 11:30	0.214	50.44	2.218	2.877	29.13	0
12/16/21 11:45	1.663	75.86	9.32	2.892	29.13	0
12/16/21 12:00	1.627	124.9	57.59	3.083	29.14	0
12/16/21 12:15	1.75	173.8	53.08	3.389	29.14	0
12/16/21 12:30	2.273	180.2	20.72	3.533	29.14	0
12/16/21 12:45	2.847	141.1	22.66	3.648	29.14	0
12/16/21 13:00	2.493	140.5	25.28	3.791	29.14	0
12/16/21 13:15	1.29	150.2	29.87	3.846	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
12/16/21 13:30	1.847	161.2	30.89	3.838	29.14	0
12/16/21 13:45	2.294	37.6	24.46	3.866	29.15	0
12/16/21 14:00	2.602	52.49	8.07	3.559	29.15	0
12/16/21 14:15	0.677	47.82	6.132	3.624	29.15	0
12/16/21 14:30	0.426	41.81	3.314	3.726	29.15	0
12/16/21 14:45	1.965	75.56	12.88	3.886	29.16	0
12/16/21 15:00	2.115	94.9	14.69	4.068	29.16	0
12/16/21 15:15	1.393	64.51	23.55	4.084	29.17	0
12/16/21 15:30	0.9	43.27	8.63	4.077	29.18	0
12/16/21 15:45	1.041	91.5	16.54	4.008	29.18	0
12/16/21 16:00	1.013	42.65	48.57	4.018	29.19	0
12/16/21 16:15	2.175	3.249	15.26	3.95	29.19	0
12/16/21 16:30	1.292	5.782	7.448	3.872	29.2	0
12/16/21 16:45	1.693	33.64	7.507	3.862	29.2	0
12/16/21 17:00	3.912	29.3	9.52	3.741	29.2	0
12/16/21 17:15	4.574	18.35	10.89	3.265	29.21	0.01
12/16/21 17:30	5.732	14.01	10.23	2.958	29.21	0
12/16/21 17:45	2.88	21.71	10.37	2.977	29.21	0
12/16/21 18:00	5.416	18.78	8.24	2.785	29.22	0
12/16/21 18:15	7.971	17.43	9.88	2.669	29.22	0
12/16/21 18:30	8.12	4.833	11.3	2.716	29.23	0
12/16/21 18:45	5.457	7.435	6.209	2.814	29.23	0
12/16/21 19:00	5.169	7.639	9.96	2.919	29.24	0
12/16/21 19:15	4.702	23.97	13.06	3.008	29.25	0
12/16/21 19:30	1.889	18.07	26.63	2.818	29.25	0
12/16/21 19:45	1.998	20.97	16.75	2.646	29.26	0
12/16/21 20:00	2.05	185.1	40.25	2.68	29.27	0
12/16/21 20:15	4.077	197.2	8.52	2.829	29.28	0
12/16/21 20:30	3.195	123.9	31.31	2.929	29.29	0
12/16/21 20:45	0.72	61.62	14.19	2.651	29.29	0
12/16/21 21:00	1.049	78.55	20.49	2.711	29.3	0
12/16/21 21:15	2.688	93.5	13.63	2.748	29.31	0
12/16/21 21:30	4.281	106.8	8.49	2.737	29.31	0
12/16/21 21:45	2.437	86.6	12.67	2.621	29.32	0
12/16/21 22:00	2.429	106.1	12.8	2.543	29.32	0
12/16/21 22:15	4.034	131.9	7.873	2.543	29.33	0
12/16/21 22:30	4.845	146.1	5.641	2.544	29.33	0
12/16/21 22:45	4.95	143.2	11.11	2.509	29.34	0
12/16/21 23:00	2.992	91.9	26.03	2.369	29.34	0
12/16/21 23:15	2.732	59.69	11.96	2.277	29.35	0
12/16/21 23:30	2.235	17.68	11.3	2.205	29.35	0
12/16/21 23:45	1.645	27.57	7.826	2.258	29.35	0
12/17/21 0:00	1.627	34.01	2.291	2.436	29.36	0
12/17/21 0:15	0.049	31.84	0.01	2.433	29.36	0
12/17/21 0:30	0.347	37.61	1.888	2.412	29.37	0
12/17/21 0:45	2.074	28.6	6.676	2.401	29.37	0
12/17/21 1:00	3.311	27.68	4.358	1.864	29.37	0
12/17/21 1:15	3.439	27.17	7.188	1.698	29.38	0
12/17/21 1:30	2.061	37.04	12.11	1.676	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
12/17/21 1:45	1.039	78.05	24.68	1.679	29.38	0
12/17/21 2:00	2.817	124	8.13	1.738	29.39	0
12/17/21 2:15	2.089	99.8	31.29	1.833	29.4	0
12/17/21 2:30	1.535	75.55	44.67	1.755	29.4	0
12/17/21 2:45	2.276	104.5	53.23	1.498	29.41	0
12/17/21 3:00	3.73	130	7.079	1.59	29.41	0
12/17/21 3:15	2.133	127.2	16.02	1.735	29.42	0
12/17/21 3:30	2.038	132	18.61	1.924	29.42	0
12/17/21 3:45	2.271	103.9	11.94	1.739	29.43	0
12/17/21 4:00	2.498	96.3	9.69	1.566	29.43	0
12/17/21 4:15	4.015	112.4	3.875	1.573	29.43	0
12/17/21 4:30	4.403	121.2	8.97	1.841	29.44	0
12/17/21 4:45	5.487	131.7	8.81	2.08	29.44	0
12/17/21 5:00	3.63	125	6.364	2.193	29.44	0
12/17/21 5:15	3.647	121	8	2.177	29.44	0
12/17/21 5:30	4.727	137.3	8.81	1.936	29.44	0
12/17/21 5:45	4.586	137.3	21	1.987	29.44	0
12/17/21 6:00	5.364	137.3	24.28	1.828	29.44	0
12/17/21 6:15	5.506	122.2	8.61	1.925	29.45	0
12/17/21 6:30	3.766	133.8	11.75	2.024	29.46	0
12/17/21 6:45	4.077	128.6	6.697	2.187	29.46	0
12/17/21 7:00	4.34	115	6.935	2.152	29.46	0
12/17/21 7:15	4.199	120.6	5.855	2.178	29.46	0
12/17/21 7:30	4.311	145.3	14.02	2.337	29.46	0
12/17/21 7:45	5.095	146.1	11.65	2.294	29.45	0
12/17/21 8:00	4.923	131.1	8.99	2.28	29.45	0.01
12/17/21 8:15	5.107	151.4	14.26	2.317	29.45	0
12/17/21 8:30	4.809	153.6	14.78	2.291	29.46	0
12/17/21 8:45	5.409	141.3	11.41	2.54	29.47	0
12/17/21 9:00	5.404	140.5	9.21	2.611	29.47	0
12/17/21 9:15	4.712	144.7	16.05	2.723	29.47	0
12/17/21 9:30	5.756	139.3	13.63	2.839	29.47	0
12/17/21 9:45	5.465	131	13.32	3.121	29.48	0
12/17/21 10:00	5.72	153	8.51	3.2	29.48	0
12/17/21 10:15	6.547	144.2	15.44	3.445	29.48	0
12/17/21 10:30	6.605	126.4	11.16	3.616	29.48	0
12/17/21 10:45	5.791	134.5	10.47	3.652	29.48	0
12/17/21 11:00	6.401	138.2	9.99	3.874	29.48	0
12/17/21 11:15	5.819	134.8	10.52	4.194	29.48	0
12/17/21 11:30	7.401	134.4	10.29	4.357	29.47	0
12/17/21 11:45	7.439	130.3	10.77	4.46	29.47	0
12/17/21 12:00	8.52	129.1	10.17	4.748	29.47	0
12/17/21 12:15	7.537	128.1	11.18	5.378	29.46	0
12/17/21 12:30	7.783	120.1	15.1	5.253	29.46	0
12/17/21 12:45	7.47	119.1	11.91	4.936	29.46	0
12/17/21 13:00	7.874	122	8.69	4.97	29.46	0
12/17/21 13:15	9.68	123.6	11.53	5.071	29.45	0
12/17/21 13:30	9.84	120.1	11.28	4.759	29.44	0
12/17/21 13:45	10.17	123.4	10.6	4.773	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
12/17/21 14:00	9.31	123.7	11.51	4.902	29.44	0
12/17/21 14:15	9.59	129.4	13.03	4.832	29.44	0
12/17/21 14:30	9.31	137.3	11.11	4.623	29.43	0
12/17/21 14:45	10.48	135.7	10.73	4.449	29.43	0
12/17/21 15:00	9.57	130.1	11.04	4.456	29.43	0
12/17/21 15:15	9.27	130.2	10.62	4.333	29.43	0
12/17/21 15:30	7.484	131.8	10.35	4.195	29.43	0
12/17/21 15:45	6.623	132.3	10.48	4.048	29.43	0
12/17/21 16:00	6.87	128.8	12.38	3.964	29.43	0
12/17/21 16:15	7.856	126.7	10.55	3.895	29.43	0
12/17/21 16:30	7.691	123.2	11.24	3.794	29.42	0
12/17/21 16:45	8.52	123.4	11.47	3.766	29.42	0
12/17/21 17:00	8.53	124.9	12.73	3.77	29.42	0
12/17/21 17:15	10.23	122.9	11.17	3.693	29.42	0
12/17/21 17:30	8.66	117.8	11.1	3.718	29.42	0
12/17/21 17:45	9.68	121.6	9.92	3.851	29.41	0
12/17/21 18:00	10.46	120.5	11.56	3.904	29.41	0
12/17/21 18:15	11.18	137.1	11.22	3.848	29.41	0
12/17/21 18:30	11.24	135.5	9.72	3.46	29.41	0
12/17/21 18:45	9.35	125.7	9.35	3.061	29.41	0
12/17/21 19:00	9.83	113.1	10.14	2.798	29.41	0
12/17/21 19:15	10.97	112.9	10.62	2.151	29.41	0.01
12/17/21 19:30	11.77	120.6	11.21	1.624	29.4	0
12/17/21 19:45	13.11	124.7	10.03	1.378	29.4	0.01
12/17/21 20:00	13.58	125.9	9.88	1.41	29.39	0.01
12/17/21 20:15	14.82	126.3	10.2	1.293	29.39	0.01
12/17/21 20:30	14.36	125.4	10.01	1.133	29.38	0.01
12/17/21 20:45	14.27	123.7	9.69	1.2	29.37	0.01
12/17/21 21:00	12.9	123.9	9.99	1.264	29.37	0.01
12/17/21 21:15	13.94	121.7	9.39	1.389	29.36	0.01
12/17/21 21:30	14.08	120.3	10.02	1.364	29.35	0
12/17/21 21:45	13.62	118.3	10.09	1.491	29.35	0.01
12/17/21 22:00	13.91	117.2	10.89	1.567	29.35	0.01
12/17/21 22:15	14.14	119.3	11.48	1.668	29.34	0
12/17/21 22:30	13.04	119.9	11.3	1.775	29.34	0
12/17/21 22:45	16.63	125.4	9.58	1.952	29.33	0
12/17/21 23:00	16.05	126.7	9.66	2.039	29.33	0
12/17/21 23:15	13.3	132.1	9.42	2.067	29.32	0.01
12/17/21 23:30	13.43	131.7	12.03	1.953	29.32	0
12/17/21 23:45	14.98	124.4	9.55	1.997	29.31	0
12/18/21 0:00	16.16	124.8	8.91	1.939	29.3	0
12/18/21 0:15	15.14	122.2	9.72	1.874	29.3	0
12/18/21 0:30	15.8	124.9	9.56	2.013	29.29	0
12/18/21 0:45	16.42	125.2	9.7	1.961	29.28	0
12/18/21 1:00	15.86	125.7	10.03	2.022	29.27	0.01
12/18/21 1:15	15.65	120.5	10.16	1.885	29.26	0
12/18/21 1:30	14.96	121.6	10.87	1.903	29.25	0
12/18/21 1:45	16.15	124.3	9.49	2.237	29.24	0
12/18/21 2:00	16.61	126.3	9.05	2.531	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/18/21 2:15	16.78	125.5	9.41	2.579	29.21	0
12/18/21 2:30	16.27	126.9	9.52	2.562	29.2	0
12/18/21 2:45	17.59	127	9.8	2.472	29.19	0.01
12/18/21 3:00	14.74	128.2	10.43	2.147	29.19	0
12/18/21 3:15	13.93	126.2	10.64	2.048	29.19	0.01
12/18/21 3:30	14.35	129.5	9.77	2.07	29.18	0
12/18/21 3:45	13.74	122.8	10.11	2.079	29.17	0.02
12/18/21 4:00	11.99	125.5	10.96	2.426	29.16	0.02
12/18/21 4:15	11.47	126	10.05	2.616	29.16	0.02
12/18/21 4:30	12.61	124.7	11.03	2.734	29.15	0.01
12/18/21 4:45	11.44	124.5	10.43	3.004	29.14	0.01
12/18/21 5:00	10.44	121.7	14.5	3.295	29.13	0.02
12/18/21 5:15	10.1	120.7	10	3.716	29.12	0.02
12/18/21 5:30	7.141	123	14.99	3.851	29.11	0.01
12/18/21 5:45	8.36	135.3	14.29	3.95	29.1	0.02
12/18/21 6:00	7.301	114.7	14.55	4.091	29.09	0
12/18/21 6:15	10.62	139.6	10	4.48	29.09	0.01
12/18/21 6:30	9.01	137.4	10.5	4.797	29.08	0
12/18/21 6:45	7.067	133	14.86	5.097	29.08	0
12/18/21 7:00	4.209	104.7	32.39	5.236	29.07	0
12/18/21 7:15	9.44	126.1	10.8	5.331	29.06	0.02
12/18/21 7:30	8.99	128.5	14.41	5.631	29.05	0
12/18/21 7:45	8.05	137.5	11.3	5.519	29.04	0.01
12/18/21 8:00	8.22	132.1	9.3	5.51	29.03	0
12/18/21 8:15	8.58	135.1	9.68	5.692	29.02	0.01
12/18/21 8:30	9.67	142.6	8.18	6.1	29.02	0
12/18/21 8:45	10.67	145.8	9.2	6.516	29.02	0
12/18/21 9:00	10.54	147.4	7.818	7.027	29.01	0
12/18/21 9:15	10.63	141.5	8.1	7.331	29	0
12/18/21 9:30	10.97	153.2	9.63	7.587	28.99	0
12/18/21 9:45	13.22	159.7	12.01	8.09	28.98	0
12/18/21 10:00	18.76	171.3	11.31	9.47	28.97	0
12/18/21 10:15	19.65	175.1	9.18	10.01	28.96	0
12/18/21 10:30	22.32	171.7	10.15	10.23	28.95	0
12/18/21 10:45	22.75	172.4	10.38	10.27	28.94	0
12/18/21 11:00	22.16	180.5	9.42	9.98	28.94	0.01
12/18/21 11:15	21.6	179.8	8.34	9.69	28.93	0.01
12/18/21 11:30	21.14	182.7	9.09	9.71	28.92	0.01
12/18/21 11:45	20.64	180.8	10.4	9.88	28.92	0.01
12/18/21 12:00	19.27	186.2	9.15	9.65	28.92	0.02
12/18/21 12:15	19.69	184.4	10.2	9.52	28.91	0.01
12/18/21 12:30	17.42	175	9.11	9.56	28.9	0
12/18/21 12:45	16.09	178.5	10.5	9.73	28.9	0
12/18/21 13:00	15.42	194.6	10.35	9.83	28.9	0.01
12/18/21 13:15	18.49	232	10.01	9.12	28.92	0.07
12/18/21 13:30	21.5	244.5	10.26	8.3	28.94	0.05
12/18/21 13:45	23.6	241.2	9.08	7.5	28.94	0.01
12/18/21 14:00	21.84	235.5	9.17	6.901	28.95	0
12/18/21 14:15	18.52	228.9	8.89	6.553	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
12/18/21 14:30	18.79	223.2	8.51	6.211	28.97	0.02
12/18/21 14:45	19.38	221.4	7.972	5.877	28.98	0.02
12/18/21 15:00	18.55	216.1	8.22	5.5	28.98	0.02
12/18/21 15:15	16.64	217.9	8.03	5.086	28.99	0.02
12/18/21 15:30	15.39	213.9	9.43	4.767	29	0.02
12/18/21 15:45	13.21	200.2	11.47	4.556	29	0.01
12/18/21 16:00	14.98	191.1	9.71	4.296	29	0.01
12/18/21 16:15	14.2	186.6	9.68	4.092	29.01	0.01
12/18/21 16:30	14.45	177.3	8.03	3.923	29.01	0
12/18/21 16:45	14.17	171.1	9.79	3.78	29.01	0
12/18/21 17:00	12.13	162.6	19.22	3.643	29.01	0.01
12/18/21 17:15	11.93	186.4	20.24	3.64	29.02	0
12/18/21 17:30	13.67	151	10.39	3.367	29.02	0
12/18/21 17:45	12.32	154.8	13.76	3.008	29.03	0
12/18/21 18:00	13.65	144.1	9.75	2.763	29.03	0
12/18/21 18:15	13.33	147.7	9.11	2.59	29.03	0
12/18/21 18:30	12.66	147.2	10.93	2.445	29.04	0
12/18/21 18:45	10.4	140.6	9.24	2.378	29.04	0
12/18/21 19:00	6.184	135.2	12.93	2.399	29.05	0
12/18/21 19:15	6.853	161.4	19.92	2.555	29.05	0
12/18/21 19:30	6.916	152.3	13.38	2.696	29.06	0
12/18/21 19:45	9.12	145.7	9.27	2.811	29.06	0
12/18/21 20:00	5.668	153.8	15.65	2.816	29.06	0
12/18/21 20:15	6.651	118.1	16.89	2.761	29.07	0
12/18/21 20:30	7.949	140.2	11.31	2.804	29.07	0
12/18/21 20:45	8.93	147.1	7.617	2.962	29.07	0
12/18/21 21:00	5.564	125.1	10.12	2.867	29.07	0
12/18/21 21:15	7.07	140.9	8.21	2.917	29.06	0
12/18/21 21:30	6.74	139	8.53	3.093	29.06	0
12/18/21 21:45	5.973	136.9	9.72	3.048	29.06	0
12/18/21 22:00	6.652	147	6.976	3.106	29.06	0
12/18/21 22:15	7.025	147.4	8.07	3.193	29.06	0
12/18/21 22:30	5.316	140.9	9.05	3.343	29.06	0
12/18/21 22:45	4.569	132.1	8.19	3.375	29.06	0
12/18/21 23:00	4.777	141.1	9.92	3.557	29.07	0
12/18/21 23:15	5.31	143.5	7.608	3.613	29.07	0
12/18/21 23:30	4.923	146	8.04	3.704	29.08	0
12/18/21 23:45	3.919	135.8	8.92	3.725	29.09	0
12/19/21 0:00	4.509	143.5	8.04	3.924	29.09	0
12/19/21 0:15	4.907	151.4	11.78	4.041	29.09	0
12/19/21 0:30	4.592	143.1	7.646	3.882	29.09	0
12/19/21 0:45	4.863	154.3	7.593	4.071	29.09	0
12/19/21 1:00	4.385	144.9	8.01	4.067	29.09	0
12/19/21 1:15	4.272	138.8	9.12	4.202	29.09	0
12/19/21 1:30	4.354	146.6	7.079	4.166	29.09	0
12/19/21 1:45	4.305	149.5	7.812	4.036	29.09	0
12/19/21 2:00	3.64	175.5	8.98	4.033	29.09	0
12/19/21 2:15	3.042	181	9	4.348	29.1	0
12/19/21 2:30	0.598	198.5	42.25	4.372	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
12/19/21 2:45	0.876	173.5	26.46	4.437	29.1	0
12/19/21 3:00	1.261	128.6	24.21	4.442	29.1	0
12/19/21 3:15	1.202	84.4	54.09	4.329	29.1	0
12/19/21 3:30	3.43	233.2	21.32	3.929	29.1	0
12/19/21 3:45	2.43	319.1	13.88	3.592	29.1	0
12/19/21 4:00	1.671	0.203	22.78	3.146	29.1	0
12/19/21 4:15	1.154	36.08	15.99	3.023	29.1	0
12/19/21 4:30	2.17	94.1	7.19	2.973	29.1	0
12/19/21 4:45	1.551	53.58	17.83	2.985	29.1	0
12/19/21 5:00	1.411	66.87	22.81	2.894	29.11	0
12/19/21 5:15	2.155	85.9	6.109	3.018	29.11	0
12/19/21 5:30	2.595	87.2	7.08	3.063	29.11	0
12/19/21 5:45	1.068	91.9	3.119	3.082	29.11	0
12/19/21 6:00	0.758	80.4	7.809	3.046	29.11	0
12/19/21 6:15	0.687	73.25	8.25	2.952	29.11	0
12/19/21 6:30	1.022	24.75	9.81	2.91	29.12	0
12/19/21 6:45	0.806	18.07	0.4	2.795	29.12	0
12/19/21 7:00	1.314	16.86	1.699	2.797	29.12	0
12/19/21 7:15	1.872	11.9	5.076	2.768	29.13	0
12/19/21 7:30	1.635	20.95	5.922	2.588	29.12	0
12/19/21 7:45	2.895	21.98	6.522	2.403	29.12	0
12/19/21 8:00	3.333	16.62	7.943	2.251	29.12	0
12/19/21 8:15	3.573	9.97	7.39	2.161	29.12	0
12/19/21 8:30	3.501	4.796	9.61	1.886	29.12	0
12/19/21 8:45	3.518	353.1	13.75	1.894	29.12	0
12/19/21 9:00	2.618	16.3	10.34	1.885	29.13	0
12/19/21 9:15	5.397	12	9.12	2.025	29.14	0
12/19/21 9:30	4.879	9.83	12.42	2.166	29.14	0
12/19/21 9:45	5.452	12.27	8.43	2.266	29.14	0
12/19/21 10:00	5.533	14.8	8.48	2.475	29.14	0
12/19/21 10:15	5.295	11.42	10.33	2.559	29.14	0
12/19/21 10:30	4.365	8.5	10.07	2.636	29.14	0
12/19/21 10:45	3.578	6.294	11.89	2.799	29.14	0
12/19/21 11:00	5.602	11.34	12.83	2.731	29.13	0
12/19/21 11:15	8.66	1.77	12.5	2.619	29.13	0
12/19/21 11:30	7.884	2.298	14.76	2.686	29.12	0
12/19/21 11:45	7.541	10.55	12.58	2.863	29.12	0
12/19/21 12:00	7.903	11.53	12.63	3.068	29.12	0
12/19/21 12:15	6.93	15.89	15.94	3.581	29.12	0
12/19/21 12:30	7.688	11.5	22.09	4.117	29.12	0
12/19/21 12:45	11.55	2.594	15.38	4.491	29.12	0
12/19/21 13:00	9.02	8.96	15.86	4.8	29.12	0
12/19/21 13:15	9.35	2.577	16.79	4.807	29.12	0
12/19/21 13:30	10.17	1.069	17.86	4.809	29.12	0
12/19/21 13:45	10.59	1.947	16.81	4.822	29.11	0
12/19/21 14:00	10.52	1.124	16.34	4.806	29.11	0
12/19/21 14:15	10.75	6.765	17.66	4.669	29.11	0
12/19/21 14:30	10.27	1.487	17.96	4.609	29.11	0
12/19/21 14:45	11.86	3.485	16.91	4.389	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
12/19/21 15:00	12.51	359.1	21.12	4.291	29.11	0
12/19/21 15:15	10.6	359.1	16.93	4.227	29.12	0
12/19/21 15:30	9.7	356.1	15.39	4.133	29.12	0
12/19/21 15:45	9.93	0.548	18.78	4.074	29.12	0
12/19/21 16:00	10.61	359.4	18.2	3.945	29.12	0
12/19/21 16:15	11.71	0.297	17.56	3.795	29.12	0
12/19/21 16:30	10.29	2.309	18.69	3.611	29.12	0
12/19/21 16:45	6.12	31.39	16.5	3.171	29.12	0
12/19/21 17:00	6.998	31.87	11.51	3.036	29.12	0
12/19/21 17:15	7.449	46.27	14.85	3.244	29.13	0
12/19/21 17:30	8.5	29.79	20.17	3.344	29.13	0
12/19/21 17:45	8.16	18.28	11.24	3.24	29.13	0
12/19/21 18:00	6.64	29.05	10.76	3.036	29.13	0
12/19/21 18:15	7.64	24.72	15.64	3.06	29.13	0
12/19/21 18:30	9	22.1	11	2.971	29.13	0
12/19/21 18:45	9.68	18.93	11.58	2.998	29.12	0
12/19/21 19:00	8.68	19.35	14.08	2.83	29.12	0
12/19/21 19:15	10	9.36	16.62	2.991	29.12	0
12/19/21 19:30	9.72	15.93	12.14	2.857	29.12	0
12/19/21 19:45	8.23	17.72	11.63	2.705	29.13	0
12/19/21 20:00	9.31	16.12	11.38	2.52	29.13	0
12/19/21 20:15	8.72	17.02	11.87	2.392	29.14	0
12/19/21 20:30	7.956	18.22	14.54	2.413	29.14	0
12/19/21 20:45	6.962	19.53	10.22	2.273	29.14	0
12/19/21 21:00	6.309	20.75	10.42	2.159	29.14	0
12/19/21 21:15	6.179	16.73	12.52	1.967	29.13	0
12/19/21 21:30	6.694	22.5	20.95	1.751	29.14	0
12/19/21 21:45	7.901	6.933	12.14	1.612	29.14	0
12/19/21 22:00	6.41	15.67	11.84	1.429	29.14	0
12/19/21 22:15	6.285	19.46	8.23	1.197	29.14	0
12/19/21 22:30	6.918	20.55	9.88	0.953	29.13	0
12/19/21 22:45	7.485	15.57	9.48	0.801	29.13	0
12/19/21 23:00	5.345	20.84	11.98	0.701	29.13	0
12/19/21 23:15	4.518	11.4	11.87	0.659	29.13	0
12/19/21 23:30	4.982	9.32	10.28	0.575	29.14	0
12/19/21 23:45	5.678	15.91	13.44	0.48	29.14	0
12/20/21 0:00	4.799	13.36	13.13	0.284	29.13	0
12/20/21 0:15	3.063	13.76	18.07	0.278	29.13	0
12/20/21 0:30	3.471	358.6	16.18	0.247	29.14	0
12/20/21 0:45	3.746	23.01	8.27	0.299	29.14	0
12/20/21 1:00	5.15	23.4	8.75	0.132	29.14	0
12/20/21 1:15	6.72	13.73	8.98	0.232	29.14	0
12/20/21 1:30	6.163	25.51	10.53	0.309	29.14	0
12/20/21 1:45	6.133	22.54	10.73	0.208	29.14	0
12/20/21 2:00	5.617	13.46	12.93	0.244	29.14	0
12/20/21 2:15	5.045	22.54	14.68	0.373	29.14	0
12/20/21 2:30	4.459	38.96	16.07	0.307	29.14	0
12/20/21 2:45	5.107	70.51	21.38	1.341	29.14	0
12/20/21 3:00	5.619	70.88	26.8	1.948	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
12/20/21 3:15	5.308	87.1	26.08	1.523	29.14	0
12/20/21 3:30	6.666	106.9	16.53	2.181	29.14	0
12/20/21 3:45	3.151	110.1	28.09	2.001	29.14	0
12/20/21 4:00	1.954	35.66	29.86	1.559	29.14	0
12/20/21 4:15	0.784	98.2	22.67	1.979	29.14	0
12/20/21 4:30	0.354	45.51	8.22	1.856	29.14	0
12/20/21 4:45	1.133	43.21	16.23	0.818	29.14	0
12/20/21 5:00	1.667	30.29	18.11	0.72	29.14	0.01
12/20/21 5:15	2.339	11.05	9.35	0.585	29.14	0
12/20/21 5:30	2.918	5.449	4.442	0.497	29.14	0.01
12/20/21 5:45	2.937	3.167	2.728	0.351	29.14	0
12/20/21 6:00	0.509	358.2	10.27	0.269	29.14	0
12/20/21 6:15	0.528	25.43	2.546	0.199	29.14	0
12/20/21 6:30	1.191	12.67	5.613	0.158	29.14	0
12/20/21 6:45	0.706	17.74	4.98	0.054	29.14	0
12/20/21 7:00	0	94.7	0	-0.028	29.14	0.01
12/20/21 7:15	0	0	0	-0.018	29.14	0
12/20/21 7:30	0.003	219.4	4.981	0.024	29.14	0
12/20/21 7:45	0	0	0	0.007	29.14	0
12/20/21 8:00	0	0	0	-0.121	29.15	0
12/20/21 8:15	0	0	0	-0.007	29.15	0
12/20/21 8:30	0	0	0	-0.159	29.16	0
12/20/21 8:45	0	0	0	-0.089	29.16	0
12/20/21 9:00	0	0	0	-0.044	29.17	0
12/20/21 9:15	0	0	0	-0.074	29.17	0
12/20/21 9:30	0	0	0	0.009	29.18	0
12/20/21 9:45	0	0	0	0.057	29.19	0
12/20/21 10:00	0	0	0	0.056	29.19	0
12/20/21 10:15	0	20.32	0	0.16	29.19	0
12/20/21 10:30	6.176	10.07	13.76	0.229	29.2	0
12/20/21 10:45	5.47	17.86	8.67	0.26	29.2	0
12/20/21 11:00	2.941	3.473	10.44	0.221	29.21	0
12/20/21 11:15	2.067	358.2	12.45	0.248	29.21	0
12/20/21 11:30	3.115	15.18	12.45	0.245	29.21	0
12/20/21 11:45	5.425	17.98	9.22	0.27	29.21	0
12/20/21 12:00	5.986	12.97	8.16	0.346	29.21	0
12/20/21 12:15	5.049	11.92	13.49	0.367	29.21	0
12/20/21 12:30	4.128	17.17	13.02	0.391	29.21	0
12/20/21 12:45	3.276	347.1	12.65	0.315	29.21	0
12/20/21 13:00	3.37	359.8	11.95	0.397	29.22	0
12/20/21 13:15	5.223	9.13	12.07	0.517	29.22	0
12/20/21 13:30	4.701	4.524	12.2	0.616	29.22	0
12/20/21 13:45	4.165	11.92	10.45	0.681	29.22	0.01
12/20/21 14:00	5.825	14.86	10.9	0.683	29.22	0.01
12/20/21 14:15	5.165	18.25	8.73	0.739	29.22	0.02
12/20/21 14:30	4.991	19.32	8.57	0.719	29.22	0.01
12/20/21 14:45	3.567	12.13	6.175	0.699	29.23	0.01
12/20/21 15:00	2.921	4.938	11.36	0.741	29.23	0.02
12/20/21 15:15	1.77	17.12	9.05	0.808	29.24	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
12/20/21 15:30	1.941	30.06	3.909	0.866	29.24	0.01
12/20/21 15:45	4.774	19.14	8.67	0.884	29.25	0.01
12/20/21 16:00	5.981	15.3	9	0.896	29.25	0.01
12/20/21 16:15	3.994	15	8.37	0.958	29.25	0.01
12/20/21 16:30	3.748	15.58	7.258	0.974	29.26	0.01
12/20/21 16:45	3.409	9.4	5.596	0.92	29.27	0.01
12/20/21 17:00	5.382	14.59	8.09	0.837	29.27	0.01
12/20/21 17:15	6.429	14.28	7.644	0.754	29.28	0.01
12/20/21 17:30	6.643	15.09	11.84	0.636	29.28	0.01
12/20/21 17:45	11.22	14.79	10.21	0.533	29.29	0.01
12/20/21 18:00	7.727	11.67	9.77	0.67	29.29	0.01
12/20/21 18:15	8.14	10.68	11.46	0.864	29.29	0.01
12/20/21 18:30	10.15	12.98	11.13	0.892	29.29	0.01
12/20/21 18:45	10.46	15.02	10.88	0.74	29.29	0.01
12/20/21 19:00	9.49	16.9	10.39	0.722	29.3	0.01
12/20/21 19:15	8.61	18.98	9.6	0.684	29.3	0.01
12/20/21 19:30	7.458	15.13	9.53	0.705	29.3	0.01
12/20/21 19:45	6.252	19.23	8.79	0.623	29.3	0.01
12/20/21 20:00	3.636	21.82	6.127	0.546	29.3	0
12/20/21 20:15	3.13	20.34	8.46	0.539	29.31	0.01
12/20/21 20:30	2.814	4.089	6.658	0.582	29.31	0
12/20/21 20:45	2.893	11.49	8.28	0.591	29.31	0.01
12/20/21 21:00	3.142	14.75	9.75	0.599	29.32	0
12/20/21 21:15	3.662	15.4	7.929	0.587	29.32	0
12/20/21 21:30	4.805	18.91	7.867	0.549	29.32	0.01
12/20/21 21:45	6.358	22.88	10.69	0.509	29.32	0
12/20/21 22:00	8.59	20.22	9.5	0.411	29.32	0.01
12/20/21 22:15	7.983	22.39	9.28	0.425	29.32	0
12/20/21 22:30	7.565	18.53	10.75	0.419	29.33	0.01
12/20/21 22:45	7.333	15.38	10.73	0.42	29.33	0.01
12/20/21 23:00	4.154	18.91	6.757	0.447	29.33	0
12/20/21 23:15	2.921	2.482	9.56	0.465	29.32	0
12/20/21 23:30	3.311	5.429	6.767	0.498	29.32	0.01
12/20/21 23:45	2.914	352.4	8.64	0.613	29.33	0
12/21/21 0:00	3.74	25	8.41	0.602	29.32	0.01
12/21/21 0:15	5.265	22.7	9.39	0.541	29.32	0
12/21/21 0:30	6.831	16.98	10.67	0.404	29.31	0
12/21/21 0:45	6.511	13.1	9.32	0.389	29.31	0.01
12/21/21 1:00	5.37	5.658	11.59	0.541	29.31	0
12/21/21 1:15	5.045	23.65	10.01	0.509	29.3	0
12/21/21 1:30	5.136	8.86	9.86	0.25	29.3	0
12/21/21 1:45	0.676	350	9.43	0.395	29.3	0
12/21/21 2:00	1.354	19.18	15.91	0.408	29.31	0.01
12/21/21 2:15	2.338	37.94	14.26	0.279	29.32	0
12/21/21 2:30	2.062	10.03	6.026	0.159	29.33	0
12/21/21 2:45	4.968	15.75	6.549	0.108	29.33	0
12/21/21 3:00	4.793	22.55	9.72	-0.056	29.34	0
12/21/21 3:15	4.665	32.11	9.27	-0.007	29.34	0
12/21/21 3:30	6.707	36.94	8.95	0.058	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
12/21/21 3:45	6.163	30.19	9.01	0.069	29.34	0
12/21/21 4:00	5.017	48.14	7.306	-0.018	29.32	0
12/21/21 4:15	2.586	73.7	24.35	-0.125	29.31	0
12/21/21 4:30	1.274	34.61	11.62	-0.256	29.32	0
12/21/21 4:45	2.525	10.66	10.89	-0.054	29.32	0
12/21/21 5:00	1.703	354.6	13.52	-0.048	29.31	0
12/21/21 5:15	2.674	8.9	13.84	0	29.31	0
12/21/21 5:30	3.494	8.25	11.07	-0.031	29.29	0.01
12/21/21 5:45	6.914	10.55	8.3	-0.006	29.29	0
12/21/21 6:00	5.616	12.02	9.85	0.034	29.28	0
12/21/21 6:15	4.863	9.21	9.57	0.072	29.29	0
12/21/21 6:30	1.844	288.4	75.5	0.067	29.29	0
12/21/21 6:45	1.627	177	23.28	0.038	29.3	0
12/21/21 7:00	0.632	113.4	17.31	0.051	29.29	0
12/21/21 7:15	1.781	59.39	15.45	0.01	29.29	0
12/21/21 7:30	1.767	17.53	13.75	-0.063	29.29	0
12/21/21 7:45	2.766	14.21	8.33	-0.122	29.28	0
12/21/21 8:00	1.339	39.1	14.06	-0.136	29.28	0
12/21/21 8:15	1.023	50.42	18.05	-0.147	29.28	0
12/21/21 8:30	1.998	51.88	9.04	-0.167	29.28	0
12/21/21 8:45	0.935	47.65	11.19	-0.134	29.27	0
12/21/21 9:00	0.692	343.9	12.09	-0.056	29.27	0
12/21/21 9:15	3.647	355.4	12.35	-0.035	29.27	0
12/21/21 9:30	4.542	358.4	13.24	-0.06	29.27	0.01
12/21/21 9:45	1.74	309.3	56.07	0.057	29.26	0
12/21/21 10:00	4.236	220.9	9.82	0.2	29.27	0.01
12/21/21 10:15	3.318	230.2	13.39	0.335	29.28	0
12/21/21 10:30	2.064	122.6	27.64	0.315	29.27	0.01
12/21/21 10:45	2.092	135	21.19	0.364	29.26	0
12/21/21 11:00	2.971	140.8	22.14	0.453	29.26	0.01
12/21/21 11:15	3.815	185.8	12.2	0.653	29.25	0.01
12/21/21 11:30	1.729	210.7	24.59	0.767	29.25	0.01
12/21/21 11:45	0.843	287.4	22.73	0.939	29.25	0.01
12/21/21 12:00	2.868	251.6	15.72	1.188	29.25	0.01
12/21/21 12:15	0.267	283.7	18.96	1.246	29.25	0.01
12/21/21 12:30	2.846	161.3	16.16	1.185	29.24	0
12/21/21 12:45	3.152	128.7	14.66	1.132	29.24	0.01
12/21/21 13:00	1.775	88.7	25.45	1.22	29.23	0.01
12/21/21 13:15	1.952	65.3	22.54	1.31	29.22	0
12/21/21 13:30	1.672	49.21	18.7	1.338	29.22	0
12/21/21 13:45	0.28	62.27	8.68	1.39	29.21	0.01
12/21/21 14:00	1.267	89.5	32.45	1.52	29.2	0
12/21/21 14:15	3.115	51.62	10.09	1.646	29.19	0
12/21/21 14:30	3.228	41.57	9.41	1.645	29.18	0
12/21/21 14:45	2.37	39.21	9.3	1.716	29.17	0
12/21/21 15:00	1.574	37.32	18.11	1.677	29.16	0
12/21/21 15:15	2.585	236.6	33.24	1.875	29.16	0
12/21/21 15:30	1.475	332.6	41.09	1.913	29.15	0
12/21/21 15:45	0.172	352.7	7.966	1.842	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
12/21/21 16:00	0.617	11.87	9.58	1.903	29.13	0
12/21/21 16:15	1.23	269.5	35.37	1.927	29.12	0
12/21/21 16:30	1.708	234.1	17.72	1.939	29.12	0
12/21/21 16:45	4.076	211	7.304	1.925	29.12	0
12/21/21 17:00	3.138	206.5	12.9	1.932	29.12	0
12/21/21 17:15	3.12	137	29.28	1.905	29.11	0.01
12/21/21 17:30	2.868	109.8	27.25	1.813	29.09	0
12/21/21 17:45	6.184	178.5	10.68	1.859	29.09	0
12/21/21 18:00	6.909	185	12.82	1.827	29.09	0
12/21/21 18:15	4.591	142.6	17.52	1.798	29.09	0
12/21/21 18:30	4.97	173.6	13.94	1.877	29.09	0
12/21/21 18:45	4.754	147	20.25	1.888	29.09	0
12/21/21 19:00	4.565	106.4	8.63	1.909	29.09	0.01
12/21/21 19:15	4.939	102.7	10.31	2.065	29.08	0
12/21/21 19:30	4.981	123.7	21.71	2.381	29.07	0
12/21/21 19:45	5.964	192.5	18.63	2.624	29.07	0.01
12/21/21 20:00	6.135	183.9	10.86	2.726	29.06	0
12/21/21 20:15	4.368	159.8	17.35	2.557	29.05	0.01
12/21/21 20:30	5.45	178.3	20.82	2.595	29.05	0
12/21/21 20:45	5.975	165	11.14	2.795	29.04	0.01
12/21/21 21:00	6.585	135.7	6.99	3.38	29.03	0
12/21/21 21:15	6.923	135.1	7.301	4.466	29.02	0.01
12/21/21 21:30	7.51	129.9	7.031	5.152	29.01	0.01
12/21/21 21:45	8.15	126.1	6.794	5.94	29.01	0
12/21/21 22:00	7.422	130.7	6.982	6.224	29	0.02
12/21/21 22:15	8.15	131.9	8.16	6.441	28.99	0.02
12/21/21 22:30	8.66	133.6	6.255	6.63	28.99	0.02
12/21/21 22:45	9.91	140.2	7.128	6.819	28.98	0.02
12/21/21 23:00	10.87	139.7	6.3	6.837	28.98	0.02
12/21/21 23:15	10.17	151.4	9.37	6.806	28.97	0.02
12/21/21 23:30	11.73	164	7.665	6.687	28.96	0.01
12/21/21 23:45	8.8	154.8	11.24	6.461	28.96	0.01
12/22/21 0:00	8.64	146.8	9.39	6.634	28.96	0
12/22/21 0:15	9.12	144.4	5.159	6.751	28.95	0
12/22/21 0:30	10	154.8	8.69	6.856	28.95	0
12/22/21 0:45	11.07	163.2	9.35	6.874	28.96	0
12/22/21 1:00	13.06	172.9	7.462	6.862	28.96	0
12/22/21 1:15	14.06	169.7	7.855	6.951	28.96	0
12/22/21 1:30	14.94	170.8	8.65	7.164	28.96	0
12/22/21 1:45	16.18	173.9	9.23	7.365	28.96	0
12/22/21 2:00	14.85	172.8	9.16	7.419	28.97	0
12/22/21 2:15	14.71	168.3	8.4	7.527	28.97	0
12/22/21 2:30	13.36	170.7	8.29	7.534	28.97	0
12/22/21 2:45	13.68	170.1	8.43	7.63	28.97	0
12/22/21 3:00	12.65	167	9.03	7.627	28.97	0
12/22/21 3:15	10.42	168.3	8.48	7.401	28.96	0
12/22/21 3:30	12.21	190.4	14.41	7.24	28.96	0.03
12/22/21 3:45	12.07	181.5	11.71	6.868	28.96	0.04
12/22/21 4:00	10.94	168.3	9.76	6.816	28.95	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/22/21 4:15	7.49	159.7	10.67	6.741	28.95	0.01
12/22/21 4:30	6.203	136.1	8.54	6.565	28.94	0
12/22/21 4:45	6.825	132.9	13.01	6.582	28.93	0
12/22/21 5:00	10.93	164.8	12.7	6.843	28.93	0
12/22/21 5:15	10.94	159.3	10.62	6.674	28.93	0.01
12/22/21 5:30	9.94	152.6	9.15	6.584	28.92	0
12/22/21 5:45	11.46	169.5	9.23	6.553	28.92	0.01
12/22/21 6:00	10.37	167.9	7.727	6.412	28.92	0.02
12/22/21 6:15	5.874	166.5	15.41	6.244	28.92	0.01
12/22/21 6:30	9.7	139	10.2	6.25	28.92	0
12/22/21 6:45	11.86	143.9	6.975	6.293	28.91	0
12/22/21 7:00	8.23	138.6	10.96	6.281	28.91	0
12/22/21 7:15	4.688	107.7	23.73	6.298	28.91	0.01
12/22/21 7:30	8.02	143.1	8.4	6.255	28.91	0
12/22/21 7:45	10.05	142.2	6.819	6.264	28.9	0
12/22/21 8:00	11.9	149.6	6.392	6.595	28.9	0
12/22/21 8:15	10.47	140.5	8.43	6.426	28.89	0
12/22/21 8:30	7.454	130.4	8.16	6.296	28.89	0
12/22/21 8:45	7.854	119	7.929	6.396	28.89	0.01
12/22/21 9:00	9.33	120.6	8.91	6.745	28.88	0
12/22/21 9:15	9.48	131.6	10.52	7.008	28.87	0
12/22/21 9:30	10.06	133.3	8.11	7.14	28.87	0
12/22/21 9:45	10.43	135.3	8.58	7.242	28.86	0
12/22/21 10:00	10.38	137	7.113	7.401	28.86	0
12/22/21 10:15	9.92	136.8	6.454	7.528	28.85	0
12/22/21 10:30	8.86	133.8	8.34	7.696	28.85	0
12/22/21 10:45	8.93	137.5	7.447	7.93	28.84	0
12/22/21 11:00	7.806	134.1	7.859	8.08	28.84	0
12/22/21 11:15	7.896	129.3	7.436	8.15	28.83	0
12/22/21 11:30	7.078	129.5	8.86	8.2	28.81	0
12/22/21 11:45	6.644	130.6	8.61	8.45	28.81	0.01
12/22/21 12:00	5.539	143.4	21.89	8.55	28.8	0
12/22/21 12:15	6.776	168	8.15	8.44	28.8	0
12/22/21 12:30	7.231	152	13.69	8.37	28.79	0
12/22/21 12:45	9.81	164.2	7.544	8.51	28.78	0
12/22/21 13:00	8.18	165.4	7.718	8.08	28.78	0.02
12/22/21 13:15	4.928	155.3	15.94	7.468	28.77	0.01
12/22/21 13:30	6.133	170	12.69	7.694	28.77	0
12/22/21 13:45	6.167	166.6	9.3	7.583	28.76	0.01
12/22/21 14:00	1.866	68.03	27.21	7.115	28.75	0.01
12/22/21 14:15	3.602	101.5	12.35	7.22	28.74	0
12/22/21 14:30	2.946	88.4	13.79	7.313	28.73	0
12/22/21 14:45	2.781	98.6	13.39	7.381	28.72	0.01
12/22/21 15:00	2.995	213.8	58.36	7.18	28.72	0
12/22/21 15:15	5.519	247.7	10.1	6.742	28.72	0.02
12/22/21 15:30	6.888	251.1	8.4	6.572	28.72	0.01
12/22/21 15:45	6.79	219.9	9.8	6.568	28.73	0.02
12/22/21 16:00	3.893	184.6	21.35	6.513	28.72	0.02
12/22/21 16:15	4.475	153.2	10.96	6.457	28.72	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
12/22/21 16:30	4.567	138.5	11.01	6.368	28.73	0.02
12/22/21 16:45	6.03	119	11.01	6.174	28.72	0.01
12/22/21 17:00	5.548	108.2	9.93	5.953	28.71	0
12/22/21 17:15	6.433	118.5	9.14	6.004	28.71	0.01
12/22/21 17:30	8.75	120	11.36	6.03	28.71	0
12/22/21 17:45	11.09	116.7	10.56	6.08	28.7	0
12/22/21 18:00	10.39	119.8	8.45	6.018	28.69	0
12/22/21 18:15	10.12	123.5	9.72	6.14	28.69	0
12/22/21 18:30	10.88	127.2	8.78	6.253	28.68	0
12/22/21 18:45	10	123.1	7.908	6.436	28.68	0
12/22/21 19:00	8.22	102.4	14.62	6.608	28.67	0
12/22/21 19:15	10.04	124.3	8.37	6.692	28.66	0
12/22/21 19:30	8.76	137.9	12.21	6.602	28.66	0
12/22/21 19:45	8.28	141.5	9.88	6.466	28.66	0.01
12/22/21 20:00	8.65	140.8	12.86	6.091	28.66	0
12/22/21 20:15	9.37	127.4	8.54	6.235	28.65	0
12/22/21 20:30	10.7	121.1	7.347	6.473	28.64	0
12/22/21 20:45	9.09	126.4	8.95	6.696	28.63	0
12/22/21 21:00	8.31	128.2	7.734	6.657	28.62	0
12/22/21 21:15	8.73	132.3	11.18	6.68	28.62	0
12/22/21 21:30	9.1	140.8	12.8	6.244	28.62	0
12/22/21 21:45	10.04	125.8	9.21	6.437	28.61	0
12/22/21 22:00	9.31	136.5	7.064	6.421	28.61	0
12/22/21 22:15	9.28	134.3	7.49	6.502	28.61	0
12/22/21 22:30	10.73	149	9.63	6.634	28.62	0
12/22/21 22:45	11.83	135.7	7.601	6.854	28.6	0
12/22/21 23:00	8.86	129.8	8.1	6.627	28.6	0
12/22/21 23:15	10.62	132.2	7.395	6.875	28.59	0.01
12/22/21 23:30	10.3	131.5	9.01	7.06	28.58	0
12/22/21 23:45	9.31	129.2	7.965	7.031	28.58	0
12/23/21 0:00	9.35	133.6	8.73	7.114	28.57	0
12/23/21 0:15	8.87	151.1	9.04	6.912	28.57	0
12/23/21 0:30	8.76	150.5	10.56	6.659	28.57	0.01
12/23/21 0:45	6.422	166.6	8.61	6.553	28.57	0
12/23/21 1:00	5.403	189.1	15.73	6.467	28.57	0
12/23/21 1:15	10.33	243	9.16	6.273	28.58	0.02
12/23/21 1:30	15.23	226.4	9.36	6.158	28.59	0.04
12/23/21 1:45	16.12	211.5	8.71	6.114	28.59	0.04
12/23/21 2:00	17.24	198.6	9.21	5.861	28.59	0.02
12/23/21 2:15	11.53	206.5	7.158	5.56	28.6	0.02
12/23/21 2:30	12.22	218.6	10.47	5.287	28.61	0
12/23/21 2:45	12.67	222.8	8.37	4.923	28.61	0
12/23/21 3:00	10.92	226.1	9.24	4.756	28.61	0.01
12/23/21 3:15	11.99	218.8	10.42	4.562	28.62	0.01
12/23/21 3:30	11.93	213	10.02	4.426	28.62	0
12/23/21 3:45	14.85	208.5	10.25	4.31	28.61	0.01
12/23/21 4:00	9.74	190.8	10.06	4.115	28.61	0
12/23/21 4:15	9.15	172.8	11.48	3.989	28.62	0
12/23/21 4:30	8.73	169.4	10.51	3.936	28.62	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/23/21 4:45	8.96	164.6	7.752	3.89	28.62	0
12/23/21 5:00	8.3	164.6	8.28	3.844	28.62	0
12/23/21 5:15	8.11	165.1	8.48	3.817	28.62	0
12/23/21 5:30	8.35	166.2	8.1	3.779	28.62	0
12/23/21 5:45	8	172.4	8.85	3.76	28.61	0
12/23/21 6:00	10.19	184	10.5	3.758	28.61	0
12/23/21 6:15	13.68	189	10.96	3.661	28.6	0.01
12/23/21 6:30	14.32	196.5	9.06	3.176	28.6	0.01
12/23/21 6:45	11.46	191.3	9.09	2.935	28.6	0
12/23/21 7:00	9.09	187.4	10.68	2.8	28.6	0
12/23/21 7:15	10.16	180.2	9.57	2.731	28.6	0
12/23/21 7:30	9.24	168.7	9.75	2.686	28.61	0
12/23/21 7:45	9.97	168.2	8.75	2.813	28.6	0
12/23/21 8:00	9.24	175.1	9.99	2.93	28.6	0
12/23/21 8:15	10.18	175.8	10.56	3.007	28.6	0
12/23/21 8:30	10.2	174.6	9.41	3.037	28.6	0
12/23/21 8:45	12.92	174.7	10.05	3.018	28.6	0
12/23/21 9:00	11.98	189.1	11.45	2.996	28.61	0.01
12/23/21 9:15	15.63	199.4	10.47	3.047	28.62	0
12/23/21 9:30	15	189.7	11.29	3.01	28.62	0
12/23/21 9:45	13.79	192.1	13.12	2.927	28.63	0
12/23/21 10:00	13.44	184.3	11.72	2.978	28.63	0
12/23/21 10:15	12.02	206.2	14.65	3.039	28.64	0
12/23/21 10:30	11	198.9	16.26	3.098	28.64	0
12/23/21 10:45	11.35	200.6	11.13	3.18	28.64	0
12/23/21 11:00	11.29	203.2	13.3	3.367	28.64	0
12/23/21 11:15	10.96	208.5	11.59	3.522	28.64	0
12/23/21 11:30	14.68	207.6	7.844	3.708	28.64	0
12/23/21 11:45	12.02	200	11.96	3.79	28.64	0
12/23/21 12:00	8.35	199.9	21.65	3.921	28.64	0
12/23/21 12:15	10.05	205.4	13.79	4.008	28.63	0
12/23/21 12:30	12.34	195.6	13.89	4.153	28.63	0
12/23/21 12:45	13.11	196.8	14.16	4.255	28.63	0
12/23/21 13:00	10.68	196.6	14.37	4.154	28.63	0
12/23/21 13:15	15.37	203.2	12.79	4.579	28.62	0
12/23/21 13:30	16.26	201.8	12.74	4.639	28.62	0
12/23/21 13:45	18.82	201.4	11.94	4.706	28.61	0
12/23/21 14:00	16.57	199.3	10.12	4.553	28.61	0
12/23/21 14:15	17.37	200.5	9.51	4.347	28.61	0
12/23/21 14:30	14.39	194.4	13.55	4.111	28.61	0
12/23/21 14:45	14.74	193	11.41	3.857	28.61	0
12/23/21 15:00	15.95	202	9.92	3.627	28.61	0
12/23/21 15:15	14.69	190.9	10.92	3.427	28.62	0
12/23/21 15:30	15.21	189.9	9.98	3.31	28.62	0
12/23/21 15:45	15.17	185	11.67	3.185	28.62	0
12/23/21 16:00	15.37	188	10.61	3.138	28.62	0
12/23/21 16:15	14.09	182.1	9.56	3.062	28.63	0
12/23/21 16:30	12.44	178.5	12.74	3.059	28.63	0
12/23/21 16:45	13.1	184.3	10.79	3.107	28.63	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/23/21 17:00	15.56	180.2	11.25	3.045	28.62	0
12/23/21 17:15	14.24	178.8	10.08	2.982	28.62	0
12/23/21 17:30	13.27	182.6	10.6	2.937	28.62	0
12/23/21 17:45	12.24	180.3	9.78	2.802	28.62	0
12/23/21 18:00	11.96	175.9	16.11	2.732	28.62	0
12/23/21 18:15	10.82	168	9.91	2.678	28.62	0
12/23/21 18:30	10.76	166.3	11.1	2.687	28.62	0
12/23/21 18:45	11.02	171.6	12.31	2.587	28.61	0
12/23/21 19:00	10.94	168.5	10.71	2.558	28.61	0
12/23/21 19:15	11.32	174.5	12.32	2.547	28.6	0
12/23/21 19:30	10.47	171.2	10.71	2.565	28.6	0
12/23/21 19:45	11.73	173	9.8	2.544	28.6	0
12/23/21 20:00	12.54	172.1	11.85	2.505	28.6	0
12/23/21 20:15	10.03	181.8	14.17	2.456	28.6	0
12/23/21 20:30	11.34	169.1	13.09	2.498	28.6	0
12/23/21 20:45	9.94	183	13.12	2.547	28.6	0
12/23/21 21:00	11.45	169.8	10.6	2.595	28.59	0
12/23/21 21:15	12.09	172.9	10.02	2.578	28.59	0
12/23/21 21:30	13.06	182.4	9.84	2.55	28.59	0
12/23/21 21:45	13.73	176.6	8.57	2.601	28.59	0
12/23/21 22:00	14.01	177.6	8.18	2.598	28.59	0
12/23/21 22:15	12.98	181.6	9.25	2.488	28.59	0
12/23/21 22:30	13.05	175.1	8.36	2.358	28.58	0
12/23/21 22:45	12.77	167.2	8.95	2.163	28.58	0
12/23/21 23:00	11.51	154	9.21	1.981	28.57	0
12/23/21 23:15	10.31	144.8	7.895	1.866	28.57	0
12/23/21 23:30	9.47	140.3	8.46	1.804	28.57	0
12/23/21 23:45	9	135.8	9.88	1.781	28.56	0
12/24/21 0:00	9.48	134.3	9.59	1.766	28.55	0
12/24/21 0:15	10.45	139.3	9.95	1.842	28.54	0
12/24/21 0:30	10.01	135.5	8.56	1.871	28.53	0
12/24/21 0:45	8.06	121.2	8.71	1.71	28.52	0
12/24/21 1:00	9.38	120.2	8.8	1.525	28.51	0
12/24/21 1:15	8.97	115.4	9.87	1.561	28.5	0
12/24/21 1:30	10.48	118.8	8.54	1.981	28.49	0
12/24/21 1:45	9.14	121.5	8.02	2.339	28.48	0
12/24/21 2:00	11.52	138.6	15.88	2.552	28.47	0.01
12/24/21 2:15	12.68	141.6	9.9	2.622	28.47	0
12/24/21 2:30	13.39	138.6	9.97	2.809	28.46	0
12/24/21 2:45	12.42	151.5	9.44	2.655	28.46	0.02
12/24/21 3:00	14.49	153.8	10.38	1.962	28.46	0.04
12/24/21 3:15	11.84	152.5	9.36	1.315	28.46	0.03
12/24/21 3:30	10.27	141.8	9.71	1.142	28.46	0.01
12/24/21 3:45	6.462	122.2	9.93	1.041	28.46	0.01
12/24/21 4:00	5.272	121	12.14	0.741	28.47	0
12/24/21 4:15	5.605	150.1	21.71	0.82	28.47	0.02
12/24/21 4:30	7.546	166.5	10.03	1.104	28.47	0.02
12/24/21 4:45	2.461	99.8	29.78	0.684	28.46	0.01
12/24/21 5:00	4.594	105.8	8.83	0.535	28.46	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/24/21 5:15	6.634	119.3	9.16	0.834	28.46	0
12/24/21 5:30	6.321	131.4	8.78	1.131	28.46	0
12/24/21 5:45	6.114	124.4	8.51	1.314	28.46	0
12/24/21 6:00	6.181	118.7	9.8	1.509	28.45	0
12/24/21 6:15	6.525	129.3	10.18	1.537	28.45	0
12/24/21 6:30	6.422	135.4	8.63	1.707	28.45	0
12/24/21 6:45	6.375	146.1	10.75	1.797	28.45	0.01
12/24/21 7:00	4.641	137.4	16.86	1.86	28.45	0
12/24/21 7:15	4.211	114.8	7.296	1.635	28.44	0
12/24/21 7:30	5.737	120.5	6.532	1.788	28.44	0
12/24/21 7:45	7.422	139.8	15.16	1.982	28.44	0
12/24/21 8:00	5.93	154.7	17.92	2.214	28.44	0
12/24/21 8:15	4.342	129.2	8.91	1.921	28.44	0
12/24/21 8:30	5.386	146.7	15.42	2.021	28.44	0
12/24/21 8:45	7.947	150.7	10.2	2.265	28.45	0
12/24/21 9:00	8.23	157.2	13.15	2.323	28.45	0.01
12/24/21 9:15	9.28	159	10.84	2.233	28.45	0
12/24/21 9:30	8.07	165.2	11.21	1.93	28.46	0
12/24/21 9:45	4.799	131.1	21.27	1.95	28.46	0
12/24/21 10:00	5.35	98.4	8.93	1.987	28.46	0
12/24/21 10:15	6.155	109.6	10.49	2.153	28.46	0
12/24/21 10:30	6.407	112.5	9.02	2.459	28.46	0
12/24/21 10:45	4.995	114.2	11.96	2.821	28.46	0
12/24/21 11:00	5.224	124.7	14.15	2.937	28.46	0
12/24/21 11:15	6.765	134.4	7.393	3.04	28.46	0
12/24/21 11:30	7.369	137.4	6.66	3.322	28.46	0
12/24/21 11:45	5.867	132.7	7.205	3.436	28.45	0
12/24/21 12:00	5.159	135.1	10.09	3.569	28.45	0
12/24/21 12:15	6.92	139.8	9.03	3.487	28.45	0
12/24/21 12:30	7.263	139.7	9.56	3.498	28.44	0
12/24/21 12:45	5.163	131.9	14.82	3.535	28.45	0
12/24/21 13:00	5.72	139.1	14.28	3.361	28.45	0
12/24/21 13:15	7.52	130.2	10.56	2.908	28.45	0.01
12/24/21 13:30	7.962	125.7	10.07	2.695	28.45	0.01
12/24/21 13:45	6.436	128.7	11.87	2.661	28.45	0
12/24/21 14:00	5.337	121.8	12.58	2.664	28.44	0.01
12/24/21 14:15	8.23	127	20.36	2.454	28.45	0.03
12/24/21 14:30	9.68	176.2	12.57	1.542	28.46	0.02
12/24/21 14:45	4.308	113.7	22.5	2.038	28.46	0
12/24/21 15:00	4.245	113	8.47	1.907	28.46	0
12/24/21 15:15	3.839	98.7	10.81	1.881	28.46	0
12/24/21 15:30	3.678	120.9	21.61	2.153	28.46	0
12/24/21 15:45	3.956	100.1	9.11	2.152	28.47	0
12/24/21 16:00	4.15	103	12.46	2.245	28.47	0
12/24/21 16:15	7.348	142.6	15.95	2.455	28.48	0
12/24/21 16:30	6.408	128.9	15	2.462	28.48	0
12/24/21 16:45	5.849	98.7	8.75	2.366	28.47	0
12/24/21 17:00	6.117	106.6	8.5	2.332	28.47	0.01
12/24/21 17:15	5.949	105.9	10.77	2.366	28.47	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/24/21 17:30	5.852	105.5	9.32	2.329	28.47	0
12/24/21 17:45	6.199	110.9	8.97	2.404	28.48	0
12/24/21 18:00	7.605	120.5	7.486	2.534	28.48	0
12/24/21 18:15	8.6	119.6	6.769	2.741	28.48	0
12/24/21 18:30	8.06	128.8	7.637	2.735	28.48	0
12/24/21 18:45	8.77	141.6	16.84	2.788	28.49	0
12/24/21 19:00	10.65	169.8	10.35	2.777	28.49	0
12/24/21 19:15	11.06	160.6	9.97	2.685	28.49	0
12/24/21 19:30	9.29	145.4	9.21	2.539	28.5	0
12/24/21 19:45	6.567	137.1	6.831	2.36	28.5	0
12/24/21 20:00	7.607	143.7	5.974	2.461	28.5	0
12/24/21 20:15	8.01	157.2	9.25	2.527	28.51	0
12/24/21 20:30	15.3	164.9	9.88	2.911	28.5	0
12/24/21 20:45	12.16	162.6	10.55	2.861	28.51	0
12/24/21 21:00	10.14	150.8	10.41	2.643	28.5	0.01
12/24/21 21:15	11.4	150.8	12.69	2.411	28.51	0
12/24/21 21:30	15.16	162.1	11.15	2.075	28.51	0.02
12/24/21 21:45	14.11	157.8	11.3	1.642	28.51	0.02
12/24/21 22:00	16.59	169.3	9.02	1.378	28.51	0.04
12/24/21 22:15	14.67	166.8	8.87	1.329	28.52	0
12/24/21 22:30	16.66	167.6	9.49	1.421	28.53	0.01
12/24/21 22:45	15.65	167.2	8.97	1.492	28.54	0
12/24/21 23:00	16.35	166.4	9.51	1.497	28.54	0.01
12/24/21 23:15	16.17	170.8	9.23	1.409	28.55	0
12/24/21 23:30	15	173.8	9.33	1.255	28.56	0.01
12/24/21 23:45	16.92	177.1	9.22	1.064	28.56	0.01
12/25/21 0:00	15.71	179.7	10.88	0.915	28.57	0.01
12/25/21 0:15	14.29	183.1	10.68	0.819	28.58	0
12/25/21 0:30	12.91	185.1	10.78	0.658	28.58	0
12/25/21 0:45	13.53	189.1	10.31	0.807	28.59	0.01
12/25/21 1:00	15.46	193.2	9.93	1.069	28.59	0.02
12/25/21 1:15	15.91	196.1	9.92	1.233	28.59	0.02
12/25/21 1:30	13.86	197.3	8.82	1.244	28.6	0
12/25/21 1:45	11.01	187.2	10.17	1.223	28.6	0.01
12/25/21 2:00	12.96	182.4	10.27	1.236	28.61	0
12/25/21 2:15	13.78	178.8	8.91	1.306	28.61	0
12/25/21 2:30	12.41	179.5	9.93	1.29	28.62	0.01
12/25/21 2:45	10.68	173.2	8.76	1.354	28.62	0
12/25/21 3:00	10.72	173.3	8.8	1.464	28.62	0
12/25/21 3:15	10.95	171.6	9.03	1.522	28.63	0
12/25/21 3:30	10.84	171.2	9.17	1.543	28.63	0
12/25/21 3:45	11.72	173.4	9.65	1.565	28.63	0
12/25/21 4:00	11.08	172.4	11.31	1.571	28.63	0
12/25/21 4:15	12.52	172.3	9.32	1.518	28.63	0
12/25/21 4:30	14.51	171.2	8.09	1.349	28.63	0
12/25/21 4:45	14.3	173	9.58	1.182	28.63	0
12/25/21 5:00	13.37	171	11.74	1.038	28.63	0.01
12/25/21 5:15	15.51	175.8	11.17	0.906	28.62	0
12/25/21 5:30	13.16	169.7	7.875	0.772	28.63	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/25/21 5:45	14.7	170.9	9.46	0.753	28.63	0
12/25/21 6:00	15.61	169	7.878	0.858	28.63	0
12/25/21 6:15	14.47	173.5	8.05	1.037	28.63	0
12/25/21 6:30	15.47	173.9	9.23	1.054	28.63	0
12/25/21 6:45	12.03	174.1	8.16	1.005	28.64	0.01
12/25/21 7:00	9.22	166.2	8.62	0.856	28.64	0
12/25/21 7:15	11.88	171.4	9.34	0.853	28.64	0.01
12/25/21 7:30	10.6	172.1	8.78	1.146	28.64	0
12/25/21 7:45	10.95	183.1	9.98	1.016	28.65	0.01
12/25/21 8:00	11.63	179.2	11	0.768	28.65	0.01
12/25/21 8:15	11.51	170	8.98	0.938	28.65	0.01
12/25/21 8:30	8.64	156.6	8.79	0.963	28.65	0.01
12/25/21 8:45	9.6	164	9.37	0.785	28.66	0
12/25/21 9:00	8.91	167.1	7.503	0.33	28.66	0
12/25/21 9:15	5.931	137.5	16.58	0.075	28.66	0
12/25/21 9:30	4.157	104.2	11.73	0.082	28.66	0.01
12/25/21 9:45	5.526	123.5	10.53	0.169	28.66	0
12/25/21 10:00	6.553	152.9	10.92	0.289	28.67	0
12/25/21 10:15	6.482	142	7.042	0.211	28.67	0
12/25/21 10:30	5.96	128.8	8.13	0.285	28.67	0
12/25/21 10:45	6.98	130.9	9.42	0.322	28.67	0
12/25/21 11:00	7.675	135	7.318	0.294	28.66	0.01
12/25/21 11:15	7.968	139.1	7.131	0.318	28.66	0.01
12/25/21 11:30	7.947	142.2	8.78	0.239	28.65	0.01
12/25/21 11:45	7.403	155.8	11.64	0.17	28.65	0
12/25/21 12:00	7.318	141.9	6.959	-0.003	28.64	0
12/25/21 12:15	6.994	137.4	6.42	-0.023	28.64	0
12/25/21 12:30	6.282	138.4	6.499	-0.024	28.63	0
12/25/21 12:45	4.662	143.2	22.95	-0.07	28.63	0
12/25/21 13:00	4.171	215.8	30.01	-0.087	28.63	0
12/25/21 13:15	5.537	182	6.23	-0.066	28.62	0
12/25/21 13:30	5.474	172.2	8.92	0.007	28.62	0
12/25/21 13:45	3.808	138.8	20.19	0.198	28.62	0
12/25/21 14:00	4.348	126	10.14	0.176	28.61	0
12/25/21 14:15	7.008	136.5	8.93	0.072	28.61	0.01
12/25/21 14:30	5.979	129.4	10.03	0.143	28.61	0
12/25/21 14:45	4.227	133.5	12.49	0.146	28.61	0
12/25/21 15:00	3.556	116.6	12.37	0.116	28.6	0
12/25/21 15:15	5.077	130.2	17.16	0.149	28.6	0
12/25/21 15:30	5.523	120.3	6.426	0.25	28.6	0
12/25/21 15:45	6.859	122.3	8.36	0.28	28.6	0
12/25/21 16:00	7.745	134.2	6.669	0.208	28.6	0
12/25/21 16:15	5.428	126.8	8.72	0.144	28.6	0
12/25/21 16:30	3.281	144.8	22.68	0.072	28.59	0
12/25/21 16:45	6.169	142.7	9.8	0.009	28.59	0
12/25/21 17:00	6.693	128.3	7.339	-0.074	28.58	0
12/25/21 17:15	5.591	119.2	11	-0.149	28.58	0
12/25/21 17:30	6.34	125.6	11.83	-0.192	28.58	0
12/25/21 17:45	6.901	145	20.34	-0.221	28.58	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/25/21 18:00	4.39	150.2	15.11	-0.239	28.57	0
12/25/21 18:15	5.032	171.6	13.46	-0.315	28.57	0
12/25/21 18:30	5.475	184.4	0.067	-0.526	28.57	0
12/25/21 18:45	4.057	184.3	0.052	-0.712	28.56	0
12/25/21 19:00	3.392	184.2	0.21	-0.708	28.57	0
12/25/21 19:15	3.525	184.2	0.04	-0.762	28.57	0
12/25/21 19:30	2.538	184.1	0.215	-0.837	28.57	0
12/25/21 19:45	5.828	184.1	0.182	-0.828	28.57	0
12/25/21 20:00	5.779	184.1	0.155	-0.825	28.57	0
12/25/21 20:15	5.84	184.1	0.119	-0.767	28.58	0
12/25/21 20:30	5.338	184	0.067	-0.788	28.57	0
12/25/21 20:45	4.738	184	0.069	-0.84	28.57	0
12/25/21 21:00	5.486	183.9	0.12	-0.856	28.57	0
12/25/21 21:15	6.317	183.8	0.093	-0.864	28.57	0
12/25/21 21:30	6.767	183.7	0.048	-0.904	28.56	0
12/25/21 21:45	7.479	183.7	0.044	-0.894	28.56	0
12/25/21 22:00	4.728	183.7	0.136	-1.017	28.56	0
12/25/21 22:15	6.081	183.7	0.093	-1.057	28.56	0
12/25/21 22:30	7.076	183.7	0.127	-1.002	28.56	0
12/25/21 22:45	6.94	183.7	0.097	-1.033	28.56	0
12/25/21 23:00	5.865	157.1	19.04	-1.023	28.56	0
12/25/21 23:15	4.582	131.7	15.14	-1.062	28.56	0
12/25/21 23:30	3.033	111	22.78	-1.098	28.56	0
12/25/21 23:45	0.997	79.34	21.46	-1.185	28.55	0
12/26/21 0:00	2.943	129.4	40.2	-1.259	28.54	0
12/26/21 0:15	4.715	136.5	34.81	-1.529	28.54	0
12/26/21 0:30	3.416	127.8	64.66	-1.724	28.54	0
12/26/21 0:45	3.55	165.7	17.99	-1.796	28.54	0
12/26/21 1:00	6.084	181.8	14.52	-1.823	28.54	0
12/26/21 1:15	9.29	172.8	7.964	-1.935	28.54	0
12/26/21 1:30	8.51	164.6	8.37	-2.207	28.53	0
12/26/21 1:45	7.024	163.9	12.68	-2.278	28.53	0
12/26/21 2:00	6.184	146.4	12.53	-2.191	28.53	0
12/26/21 2:15	4.959	130.1	8.2	-2.206	28.53	0
12/26/21 2:30	3.67	113.2	33.74	-2.221	28.54	0
12/26/21 2:45	2.63	99.4	32.06	-2.43	28.54	0
12/26/21 3:00	4.808	119.7	8.06	-2.571	28.54	0
12/26/21 3:15	4.809	128.6	8.11	-2.711	28.54	0
12/26/21 3:30	4.774	120.7	8.76	-2.761	28.54	0
12/26/21 3:45	4.719	118.6	8.79	-2.634	28.53	0
12/26/21 4:00	4.045	112.1	8.45	-2.558	28.53	0
12/26/21 4:15	4.392	120.3	7.036	-2.502	28.53	0
12/26/21 4:30	5.706	121.6	6.965	-2.617	28.53	0
12/26/21 4:45	6.5	120.7	7.873	-2.466	28.52	0
12/26/21 5:00	7.271	125.5	6.798	-2.253	28.52	0
12/26/21 5:15	8.05	135.8	6.929	-2.128	28.52	0
12/26/21 5:30	8.09	136.6	7.342	-2.033	28.52	0
12/26/21 5:45	7.082	132.1	7.111	-2.042	28.52	0
12/26/21 6:00	8.07	137.1	7.026	-2.059	28.52	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/26/21 6:15	8.88	141.4	7.075	-2.038	28.52	0
12/26/21 6:30	7.921	141.8	7.095	-2.021	28.52	0
12/26/21 6:45	7.127	155.8	23.55	-1.987	28.53	0
12/26/21 7:00	8.54	197.2	12.8	-2.212	28.53	0
12/26/21 7:15	10.27	196	15.74	-2.581	28.53	0
12/26/21 7:30	8.67	161	15.28	-2.711	28.54	0
12/26/21 7:45	7.236	137.8	6.65	-2.74	28.54	0
12/26/21 8:00	7.607	136.6	6.672	-2.733	28.54	0
12/26/21 8:15	5.117	118.7	9.85	-2.723	28.55	0
12/26/21 8:30	1.333	93.4	12.96	-2.692	28.55	0
12/26/21 8:45	4.55	261.9	31.28	-2.838	28.56	0
12/26/21 9:00	8.21	291.5	6.444	-3.478	28.56	0
12/26/21 9:15	7.629	351.6	28.51	-3.706	28.57	0
12/26/21 9:30	8.92	11.59	12.84	-3.872	28.58	0
12/26/21 9:45	8.61	7.318	12.37	-4.01	28.58	0
12/26/21 10:00	6.723	2.41	13.91	-4.073	28.59	0
12/26/21 10:15	3.904	340.1	14.4	-4.065	28.59	0
12/26/21 10:30	6.863	316	12.79	-4.276	28.59	0
12/26/21 10:45	5.666	349.3	17.55	-4.354	28.6	0
12/26/21 11:00	6.636	2.915	13.26	-4.543	28.6	0
12/26/21 11:15	5.327	324	19.19	-4.464	28.6	0
12/26/21 11:30	6.446	317.5	14.82	-4.628	28.61	0
12/26/21 11:45	7.025	341.8	23.78	-4.919	28.61	0
12/26/21 12:00	7.208	332	11.09	-5.032	28.62	0
12/26/21 12:15	9	319.3	10.9	-5.364	28.62	0
12/26/21 12:30	7.162	345.3	19.06	-5.451	28.62	0
12/26/21 12:45	9.02	351.8	16.98	-5.464	28.62	0
12/26/21 13:00	10.61	356.9	15.74	-5.529	28.63	0
12/26/21 13:15	9.67	358.8	15.06	-5.516	28.63	0
12/26/21 13:30	7.911	358.3	15.31	-5.491	28.63	0
12/26/21 13:45	8.9	358.5	17.71	-5.5	28.63	0
12/26/21 14:00	8.24	348	19.9	-5.508	28.63	0
12/26/21 14:15	8.17	353.1	17.26	-5.544	28.64	0
12/26/21 14:30	9.77	347.4	21.48	-5.751	28.64	0
12/26/21 14:45	7.917	336.6	14.29	-5.74	28.65	0
12/26/21 15:00	8.22	355.3	18.1	-5.818	28.66	0
12/26/21 15:15	9.95	359.4	14.89	-5.906	28.66	0
12/26/21 15:30	10.18	347.1	14.96	-5.803	28.66	0
12/26/21 15:45	7.883	347.4	21.36	-5.623	28.67	0
12/26/21 16:00	7.332	6.4	17.58	-5.75	28.68	0
12/26/21 16:15	11.29	1.278	17.02	-5.991	28.68	0
12/26/21 16:30	9.79	347.6	15.83	-6.044	28.69	0
12/26/21 16:45	9.18	344.5	16.05	-6.012	28.7	0
12/26/21 17:00	7.473	348.1	14.9	-6.038	28.7	0
12/26/21 17:15	6.607	7.842	9.88	-6.264	28.71	0
12/26/21 17:30	8.29	4.886	12.33	-6.369	28.71	0
12/26/21 17:45	8.63	358.8	14.3	-6.376	28.72	0
12/26/21 18:00	10.16	356.5	13.44	-6.407	28.72	0
12/26/21 18:15	11.75	350.4	17.46	-6.499	28.72	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/26/21 18:30	11.26	354.8	16.43	-6.672	28.72	0
12/26/21 18:45	10.85	353.7	17.06	-6.731	28.72	0
12/26/21 19:00	9.59	353.5	10.9	-6.66	28.73	0
12/26/21 19:15	9.51	354.6	13.42	-6.681	28.73	0
12/26/21 19:30	10.1	351.8	15.77	-6.766	28.73	0
12/26/21 19:45	11.25	356.3	14.79	-6.826	28.74	0
12/26/21 20:00	12.63	351.5	14.52	-6.93	28.74	0
12/26/21 20:15	12.37	351.8	17.84	-7.009	28.75	0
12/26/21 20:30	11.14	347.7	15.98	-7.011	28.75	0
12/26/21 20:45	12.68	349.1	18.29	-7.041	28.75	0
12/26/21 21:00	10.24	336.7	20.47	-7.032	28.76	0
12/26/21 21:15	9.68	343.3	18.35	-7.019	28.77	0
12/26/21 21:30	10.55	354.5	16.43	-7.021	28.78	0
12/26/21 21:45	10.06	4.037	13.46	-7.115	28.78	0
12/26/21 22:00	10.51	351.5	14.95	-7.2	28.79	0
12/26/21 22:15	9.05	335.9	18.74	-7.11	28.8	0
12/26/21 22:30	9.69	338.2	18.23	-7.041	28.8	0
12/26/21 22:45	13.57	1.595	17.55	-7.283	28.81	0
12/26/21 23:00	12.6	359.1	17.35	-7.4	28.82	0
12/26/21 23:15	13.57	3.739	15.3	-7.517	28.82	0
12/26/21 23:30	11.53	2.073	15.98	-7.525	28.83	0
12/26/21 23:45	14.14	2.44	13.95	-7.563	28.84	0
12/27/21 0:00	14.41	355.8	17.8	-7.689	28.84	0
12/27/21 0:15	14.44	350.7	15.63	-7.703	28.85	0
12/27/21 0:30	12.73	352.1	15.15	-7.885	28.85	0
12/27/21 0:45	13.51	351.1	18.41	-7.997	28.86	0
12/27/21 1:00	13.33	349.5	19.06	-8.04	28.86	0
12/27/21 1:15	13.89	347.5	18.54	-8.1	28.87	0
12/27/21 1:30	12.81	348.7	21.05	-8.12	28.88	0
12/27/21 1:45	11.69	349.6	14.73	-8.15	28.89	0
12/27/21 2:00	11.11	356.5	15.17	-8.17	28.9	0
12/27/21 2:15	10.34	2.526	16	-8.21	28.91	0
12/27/21 2:30	8.57	350	18.6	-8.2	28.91	0
12/27/21 2:45	8.18	6.934	17.26	-8.35	28.91	0
12/27/21 3:00	11.72	17.1	11.29	-8.38	28.92	0
12/27/21 3:15	12.24	12.8	13.98	-8.53	28.92	0
12/27/21 3:30	12.75	19.33	12.89	-8.75	28.92	0
12/27/21 3:45	11.19	6.834	17.25	-8.96	28.92	0
12/27/21 4:00	11.11	355.6	18.68	-8.89	28.91	0
12/27/21 4:15	10.41	357	15.97	-9.1	28.91	0
12/27/21 4:30	11.27	3.502	13.48	-9.12	28.92	0
12/27/21 4:45	11.51	8.2	8.8	-9.27	28.93	0
12/27/21 5:00	10.65	6.761	8.37	-9.37	28.94	0
12/27/21 5:15	12.24	6.942	9.68	-9.49	28.94	0
12/27/21 5:30	12.68	2.73	11.61	-9.58	28.95	0
12/27/21 5:45	9.68	356	12.74	-9.68	28.95	0
12/27/21 6:00	11.11	358.9	13.13	-9.57	28.96	0
12/27/21 6:15	13.63	352.9	14.7	-9.69	28.96	0
12/27/21 6:30	12.6	353.6	14.79	-9.75	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
12/27/21 6:45	10.19	356.8	15.69	-9.88	28.96	0
12/27/21 7:00	8.54	359.8	17.72	-9.93	28.96	0
12/27/21 7:15	8.74	9.28	14.07	-9.78	28.97	0
12/27/21 7:30	10.44	10.04	11.68	-9.8	28.97	0
12/27/21 7:45	11.01	10.64	11.64	-9.8	28.97	0
12/27/21 8:00	11.3	6.746	14.19	-9.93	28.98	0
12/27/21 8:15	6.559	14.09	8.86	-10.11	28.98	0
12/27/21 8:30	6.437	16.22	6.697	-10.12	28.99	0
12/27/21 8:45	5.872	16.14	9.05	-9.82	28.99	0
12/27/21 9:00	6.423	21.4	10.05	-9.67	28.99	0
12/27/21 9:15	7.562	18.59	7.697	-9.68	28.99	0
12/27/21 9:30	4.183	24.51	7.836	-9.51	29	0
12/27/21 9:45	3.095	32.69	11.37	-9.12	29.01	0
12/27/21 10:00	2.071	29.73	10.22	-8.71	29.02	0
12/27/21 10:15	1.081	336.5	33.6	-8.17	29.03	0
12/27/21 10:30	0.441	264.8	3.398	-7.685	29.02	0
12/27/21 10:45	0.22	135.6	42.95	-7.096	29.01	0
12/27/21 11:00	0.842	96.7	18.61	-6.913	29.01	0
12/27/21 11:15	3.671	122.4	15.63	-7.578	29	0
12/27/21 11:30	4.722	139.2	9.07	-7.452	28.99	0
12/27/21 11:45	5.124	178.9	23.89	-7.573	28.99	0
12/27/21 12:00	3.746	219	12.32	-7.59	28.99	0
12/27/21 12:15	4.004	165.2	23.51	-7.419	28.98	0
12/27/21 12:30	5.198	151.1	12.71	-7.462	28.98	0
12/27/21 12:45	5.197	148.6	15.68	-7.367	28.97	0
12/27/21 13:00	6.372	176.7	13.1	-7.298	28.97	0
12/27/21 13:15	7.207	185.6	13.51	-7.367	28.97	0
12/27/21 13:30	5.596	165.8	28.29	-7.294	28.97	0
12/27/21 13:45	5.155	174	27.9	-7.257	28.97	0
12/27/21 14:00	5.056	160.1	13.33	-7.279	28.97	0
12/27/21 14:15	4.515	128.7	12.16	-7.165	28.97	0
12/27/21 14:30	4.864	179	12.28	-7.159	28.97	0
12/27/21 14:45	2.691	143.5	10.58	-7.088	28.98	0
12/27/21 15:00	4.623	171.1	10.94	-7.105	28.98	0
12/27/21 15:15	4.697	169.2	22.97	-7.25	28.98	0
12/27/21 15:30	4.547	134.7	21.88	-7.454	28.98	0
12/27/21 15:45	4.894	136.3	8.3	-7.561	28.98	0
12/27/21 16:00	5.363	118.9	7.27	-7.491	28.98	0
12/27/21 16:15	5.59	118.2	6.525	-7.477	28.98	0
12/27/21 16:30	4.445	121.4	7.941	-7.51	28.97	0
12/27/21 16:45	5.042	130.1	8.51	-7.491	28.97	0
12/27/21 17:00	5.83	135.8	4.215	-7.462	28.97	0
12/27/21 17:15	5.631	140.1	4.587	-7.438	28.97	0
12/27/21 17:30	5.097	147.3	4.153	-7.404	28.97	0
12/27/21 17:45	4.183	139	11.4	-7.307	28.98	0
12/27/21 18:00	4.349	142.9	6.479	-7.311	28.98	0
12/27/21 18:15	4.445	138.5	11.83	-7.234	28.98	0
12/27/21 18:30	2.41	114.4	13.3	-7.415	28.97	0
12/27/21 18:45	4.227	137.7	3.222	-7.465	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
12/27/21 19:00	4.939	134.3	4.932	-7.347	28.96	0
12/27/21 19:15	5.172	131.5	4.062	-7.204	28.96	0
12/27/21 19:30	3.47	106	21.83	-7.18	28.96	0
12/27/21 19:45	3.143	96.8	15.28	-7.223	28.96	0
12/27/21 20:00	3.817	107.4	6.692	-6.647	28.96	0
12/27/21 20:15	1.472	93.5	12.33	-6.463	28.96	0
12/27/21 20:30	1.625	163.7	32.55	-6.178	28.96	0
12/27/21 20:45	2.179	273.1	22.2	-6.3	28.97	0
12/27/21 21:00	3.205	337.5	18.77	-6.742	28.97	0
12/27/21 21:15	3.246	10.36	7.561	-7.102	28.96	0
12/27/21 21:30	2.897	4.281	5.191	-7.112	28.96	0
12/27/21 21:45	3.238	5.074	4.044	-7.033	28.96	0
12/27/21 22:00	3.703	15.12	4.17	-7.047	28.97	0
12/27/21 22:15	4.13	11.16	5.601	-6.964	28.97	0
12/27/21 22:30	3.979	17.24	9.84	-6.736	28.98	0
12/27/21 22:45	3.638	17.81	10.33	-6.604	28.97	0
12/27/21 23:00	3.586	9.18	8.72	-6.644	28.97	0
12/27/21 23:15	3.82	19.56	7.03	-6.653	28.97	0
12/27/21 23:30	4.022	16.97	7.642	-6.647	28.97	0
12/27/21 23:45	3.123	24.77	14.49	-6.517	28.97	0
12/28/21 0:00	4.183	21.21	6.644	-6.583	28.97	0
12/28/21 0:15	4.155	11.66	7.288	-6.447	28.98	0
12/28/21 0:30	3.14	17.06	7.35	-6.374	28.97	0
12/28/21 0:45	4.273	24.08	9.58	-6.278	28.97	0
12/28/21 1:00	5.017	25.01	11.17	-6.423	28.97	0
12/28/21 1:15	4.574	18.54	7.451	-6.434	28.97	0
12/28/21 1:30	5.055	17.48	8.62	-6.333	28.98	0
12/28/21 1:45	4.798	23.47	8.14	-6.356	28.98	0
12/28/21 2:00	5.078	25.64	6.795	-6.3	28.98	0
12/28/21 2:15	5.683	15.14	7.054	-6.268	28.98	0
12/28/21 2:30	5.709	16.63	9.48	-6.195	28.98	0
12/28/21 2:45	5.611	21.33	10.28	-6.136	28.98	0
12/28/21 3:00	5.231	28.37	9.87	-6.109	28.98	0
12/28/21 3:15	6.784	15.13	8.94	-6.077	28.98	0
12/28/21 3:30	5.663	20.13	10.39	-6.077	28.97	0
12/28/21 3:45	4.183	18.97	7.762	-6.051	28.97	0
12/28/21 4:00	2.593	19.41	7.163	-5.993	28.97	0
12/28/21 4:15	2.292	26.75	4.829	-5.922	28.97	0
12/28/21 4:30	3.486	20.11	7.156	-5.842	28.96	0
12/28/21 4:45	3.416	18.17	7.912	-5.791	28.97	0
12/28/21 5:00	3.168	19.47	7.912	-5.718	28.96	0
12/28/21 5:15	2.367	25.03	11.58	-5.659	28.97	0
12/28/21 5:30	2.528	20.52	7.824	-5.633	28.97	0
12/28/21 5:45	2.188	32.12	6.977	-5.584	28.97	0
12/28/21 6:00	2.555	50.12	9.92	-5.515	28.97	0
12/28/21 6:15	4.415	38.14	11.6	-5.521	28.96	0
12/28/21 6:30	6.042	26.23	6.226	-5.594	28.95	0
12/28/21 6:45	5.825	23.36	5.874	-5.623	28.96	0
12/28/21 7:00	4.933	23.71	10.28	-5.616	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
12/28/21 7:15	2.243	359.1	13.49	-5.63	28.97	0
12/28/21 7:30	1.11	324.5	34.35	-5.594	28.98	0
12/28/21 7:45	1.485	30.46	49.34	-5.548	28.98	0
12/28/21 8:00	2.45	43.2	12.39	-5.499	28.99	0
12/28/21 8:15	5.344	22.4	13.3	-5.572	28.99	0
12/28/21 8:30	5.967	11.13	11.06	-5.606	28.99	0
12/28/21 8:45	4.6	20.99	8.36	-5.561	28.99	0
12/28/21 9:00	8.89	16.8	10.65	-5.53	28.98	0
12/28/21 9:15	7.782	15.34	10.7	-5.497	28.98	0
12/28/21 9:30	7.111	13.86	10.3	-5.317	28.99	0
12/28/21 9:45	5.518	21.78	10.66	-5.167	28.99	0
12/28/21 10:00	4.274	15.58	9.14	-5.065	28.99	0
12/28/21 10:15	3.987	18.47	7.468	-4.924	28.99	0
12/28/21 10:30	5.197	13.2	9.45	-4.885	28.99	0
12/28/21 10:45	2.899	7.93	13.59	-4.701	28.99	0
12/28/21 11:00	0.961	20.88	6.313	-4.381	28.98	0
12/28/21 11:15	1.809	14.92	9.02	-4.349	28.98	0
12/28/21 11:30	2.137	19.73	8.97	-4.392	28.98	0
12/28/21 11:45	4.178	18.51	6.853	-4.441	28.97	0
12/28/21 12:00	4.254	20.71	9.32	-4.409	28.97	0
12/28/21 12:15	3.534	14.21	10.31	-4.263	28.97	0
12/28/21 12:30	4.364	17.03	7.792	-4.126	28.97	0
12/28/21 12:45	5.539	16.25	9.84	-4.139	28.96	0
12/28/21 13:00	4.674	14.9	10.05	-4.138	28.96	0
12/28/21 13:15	5.364	16.8	10.68	-4.165	28.95	0
12/28/21 13:30	6.451	16.51	11.89	-4.271	28.94	0
12/28/21 13:45	5.765	17.61	10.16	-4.219	28.93	0
12/28/21 14:00	5.47	12.25	7.85	-4.153	28.92	0
12/28/21 14:15	5.329	15.92	7.596	-4.08	28.92	0
12/28/21 14:30	4.599	9.58	7.101	-4.068	28.92	0
12/28/21 14:45	4.643	12.53	8.13	-4.066	28.92	0
12/28/21 15:00	4.289	14.37	6.508	-3.955	28.92	0
12/28/21 15:15	6.492	12.02	13.19	-3.888	28.92	0
12/28/21 15:30	8.51	15.19	12.58	-3.997	28.92	0
12/28/21 15:45	10.74	13.1	10.29	-4.104	28.92	0
12/28/21 16:00	9.58	14.23	9.34	-4.152	28.92	0
12/28/21 16:15	6.502	20.71	9.04	-4.222	28.91	0
12/28/21 16:30	4.58	17.56	9.35	-4.319	28.91	0
12/28/21 16:45	2.217	24.08	5.042	-4.439	28.91	0
12/28/21 17:00	0.485	332.2	13.01	-4.539	28.91	0
12/28/21 17:15	0	310.1	0	-4.471	28.91	0
12/28/21 17:30	0.809	24.14	1.477	-4.596	28.9	0
12/28/21 17:45	3.122	5.737	6.178	-4.691	28.89	0
12/28/21 18:00	7.057	9.33	8.32	-4.741	28.9	0
12/28/21 18:15	5.077	10.94	7.01	-4.621	28.9	0
12/28/21 18:30	3.981	23.69	10.15	-4.532	28.91	0
12/28/21 18:45	6.3	17.83	10.45	-4.282	28.9	0
12/28/21 19:00	7.273	13.56	10.54	-4.362	28.9	0
12/28/21 19:15	3.914	2.846	15.66	-4.43	28.9	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/28/21 19:30	0.635	18.22	17.66	-4.552	28.89	0
12/28/21 19:45	1.951	30.12	8.6	-4.657	28.9	0
12/28/21 20:00	5.377	21.06	9.41	-4.68	28.9	0
12/28/21 20:15	6.872	14.7	9.85	-4.69	28.9	0
12/28/21 20:30	6.282	11.77	8.67	-4.555	28.9	0
12/28/21 20:45	7.96	13.66	10.31	-4.512	28.9	0
12/28/21 21:00	6.563	4.134	14.32	-4.414	28.9	0
12/28/21 21:15	6.765	0.924	15.97	-4.416	28.9	0
12/28/21 21:30	6.084	9.87	10.45	-4.475	28.9	0
12/28/21 21:45	3.028	356.2	22.21	-4.472	28.9	0
12/28/21 22:00	3.073	20.6	7.893	-4.564	28.9	0
12/28/21 22:15	6.041	13.98	13.16	-4.539	28.9	0
12/28/21 22:30	6.531	8.15	12.23	-4.585	28.91	0
12/28/21 22:45	7.267	8.26	11.36	-4.608	28.91	0
12/28/21 23:00	9.25	10.5	11.98	-4.604	28.91	0
12/28/21 23:15	12.65	9.94	11.8	-4.551	28.92	0
12/28/21 23:30	11.37	6.138	13.5	-4.419	28.92	0
12/28/21 23:45	12.6	4.161	15.08	-4.51	28.92	0
12/29/21 0:00	11.71	6.021	15.02	-4.529	28.92	0
12/29/21 0:15	10.05	7.456	12.32	-4.464	28.93	0
12/29/21 0:30	9.28	11.3	13.59	-4.427	28.93	0
12/29/21 0:45	10.12	17.78	9.05	-4.568	28.93	0
12/29/21 1:00	11.93	23.99	8.43	-4.703	28.94	0
12/29/21 1:15	11.58	29.52	8.18	-4.978	28.94	0
12/29/21 1:30	11.16	30.32	9.54	-5.064	28.94	0
12/29/21 1:45	8.84	21.16	13.64	-4.963	28.94	0
12/29/21 2:00	5.426	32	14.25	-5.032	28.95	0
12/29/21 2:15	5.799	31.84	14.77	-4.921	28.95	0
12/29/21 2:30	6.88	21.56	13.56	-4.777	28.96	0
12/29/21 2:45	9.96	20.19	11.67	-4.901	28.97	0
12/29/21 3:00	12.07	12.24	11.77	-5.062	28.97	0
12/29/21 3:15	10.53	17.51	8.21	-5.064	28.97	0
12/29/21 3:30	10.78	10.3	11.83	-5.073	28.97	0
12/29/21 3:45	8.9	21.95	13.07	-5.056	28.97	0
12/29/21 4:00	9.17	7.591	15.07	-4.895	28.97	0
12/29/21 4:15	9.3	359.7	15.27	-4.871	28.98	0
12/29/21 4:30	8.59	346.9	17.56	-4.931	28.98	0
12/29/21 4:45	7.004	339.7	15.11	-5.022	28.99	0
12/29/21 5:00	7.114	0.258	22.2	-5.105	28.99	0
12/29/21 5:15	7.602	4.772	13.87	-5.372	28.98	0
12/29/21 5:30	8.72	20.57	12.26	-5.487	28.99	0
12/29/21 5:45	10.67	16.93	11.45	-5.672	28.99	0
12/29/21 6:00	11.74	6.144	14.12	-5.713	28.99	0
12/29/21 6:15	8.81	4.053	19.19	-5.994	29	0
12/29/21 6:30	7.445	344.6	14.84	-6.093	29	0
12/29/21 6:45	8.64	357.2	13.76	-6.278	29.01	0
12/29/21 7:00	11.74	358.9	13.34	-6.281	29.01	0
12/29/21 7:15	7.434	359.6	15.62	-6.228	29.02	0
12/29/21 7:30	7.307	335.1	17	-6.189	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
12/29/21 7:45	5.832	17.92	21.03	-6.573	29.03	0
12/29/21 8:00	10.02	14.73	9.92	-6.617	29.04	0
12/29/21 8:15	10.19	14.7	7.933	-6.407	29.04	0
12/29/21 8:30	9.81	22.23	8.73	-6.353	29.04	0
12/29/21 8:45	5.254	7.022	15.29	-6.486	29.05	0
12/29/21 9:00	0.755	301.2	12.59	-6.558	29.06	0
12/29/21 9:15	1.342	255.7	36.55	-5.946	29.07	0
12/29/21 9:30	1.483	282.8	34.23	-5.202	29.08	0
12/29/21 9:45	2.582	1.289	26.01	-5.282	29.09	0
12/29/21 10:00	5.952	23.68	9.39	-5.506	29.09	0
12/29/21 10:15	5.336	8.73	10.76	-5.393	29.1	0
12/29/21 10:30	4.45	27.94	11.21	-5.245	29.1	0
12/29/21 10:45	3.019	7.386	16.83	-5.033	29.1	0
12/29/21 11:00	2.466	270.6	28.04	-4.686	29.1	0
12/29/21 11:15	3.054	308.3	29.5	-4.381	29.1	0
12/29/21 11:30	3.203	326.5	10.18	-4.054	29.1	0
12/29/21 11:45	4.474	317.3	16.14	-4.141	29.09	0
12/29/21 12:00	4.194	312	13.77	-4.274	29.09	0
12/29/21 12:15	5.393	295.6	15.59	-4.402	29.09	0
12/29/21 12:30	6.076	293.6	7.531	-4.033	29.09	0
12/29/21 12:45	6.574	296.1	7.096	-3.836	29.1	0
12/29/21 13:00	5.37	339.6	29.89	-3.87	29.1	0
12/29/21 13:15	5.448	13.71	11.53	-3.971	29.1	0
12/29/21 13:30	5.912	10.42	11.59	-4.064	29.1	0
12/29/21 13:45	3.994	9.64	13.45	-3.834	29.1	0
12/29/21 14:00	6.054	20.95	10.66	-3.941	29.09	0
12/29/21 14:15	4.156	19.43	17.09	-4.094	29.09	0
12/29/21 14:30	1.997	12.91	8.45	-3.99	29.09	0
12/29/21 14:45	1.863	52.73	13.32	-3.786	29.09	0
12/29/21 15:00	3.012	56.19	15.13	-4.041	29.09	0
12/29/21 15:15	2.596	90.9	17.07	-4.149	29.07	0
12/29/21 15:30	1.295	6.558	14.13	-4.166	29.08	0
12/29/21 15:45	0.868	27.54	17.28	-4.28	29.09	0
12/29/21 16:00	1.32	86.1	30.12	-4.207	29.08	0
12/29/21 16:15	0.546	92.2	5.714	-4.331	29.08	0
12/29/21 16:30	0	0	0	-4.166	29.1	0
12/29/21 16:45	0.929	88.5	7.53	-4.189	29.09	0
12/29/21 17:00	0.515	90.9	7.656	-4.102	29.09	0
12/29/21 17:15	0.611	76.89	12.84	-4.229	29.09	0
12/29/21 17:30	1.833	90.7	14.2	-4.229	29.09	0
12/29/21 17:45	3.36	107.5	8.99	-4.487	29.08	0
12/29/21 18:00	3.611	119.1	5.082	-4.361	29.08	0
12/29/21 18:15	4.259	123	6.389	-4.275	29.08	0
12/29/21 18:30	5.555	131.8	5.773	-4.408	29.07	0
12/29/21 18:45	5.076	131.4	6.477	-4.385	29.07	0
12/29/21 19:00	4.43	122.1	8.62	-4.305	29.07	0
12/29/21 19:15	4.828	126.4	5.112	-4.371	29.06	0
12/29/21 19:30	3.697	120.5	8.53	-4.315	29.06	0
12/29/21 19:45	5.052	114	9.92	-4.294	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
12/29/21 20:00	5.251	121.3	7.289	-4.156	29.05	0
12/29/21 20:15	5.546	129.2	7.461	-4.105	29.05	0
12/29/21 20:30	3.566	112	10.99	-4.067	29.06	0
12/29/21 20:45	5.566	119.7	6.053	-4.053	29.05	0
12/29/21 21:00	5.27	116.1	9.29	-4.053	29.04	0
12/29/21 21:15	4.783	118.3	9.54	-3.955	29.03	0
12/29/21 21:30	4.964	115	10.18	-3.931	29.03	0
12/29/21 21:45	5.89	120.3	9.32	-4.062	29.03	0
12/29/21 22:00	5.237	112.8	8.51	-4.25	29.02	0
12/29/21 22:15	5.793	122.3	8.41	-4.289	29	0
12/29/21 22:30	4.828	112.7	12.93	-4.228	29	0
12/29/21 22:45	5.474	118.8	11.01	-4.123	29	0
12/29/21 23:00	3.291	107.5	22.34	-3.993	29	0
12/29/21 23:15	4.058	107.6	8.39	-4.04	28.98	0
12/29/21 23:30	4.209	98.9	6.62	-4.003	28.98	0
12/29/21 23:45	5.812	106.3	7.503	-3.863	28.98	0
12/30/21 0:00	7.204	123.9	9.25	-3.707	28.96	0
12/30/21 0:15	7.969	130.6	9.51	-3.496	28.96	0
12/30/21 0:30	8.81	131	12.36	-3.387	28.95	0
12/30/21 0:45	9.44	141.5	10.33	-3.248	28.94	0
12/30/21 1:00	9.36	157.2	11.54	-3.12	28.93	0
12/30/21 1:15	9.36	145.7	9.66	-3.071	28.91	0
12/30/21 1:30	9.92	145.8	7.512	-2.983	28.9	0
12/30/21 1:45	7.764	135.8	8.47	-2.924	28.89	0
12/30/21 2:00	6.183	132.2	9.76	-2.841	28.89	0
12/30/21 2:15	4.88	122.4	17.35	-2.696	28.89	0
12/30/21 2:30	5.296	111.9	11.33	-2.778	28.88	0
12/30/21 2:45	6.416	126	8.9	-2.54	28.87	0
12/30/21 3:00	5.793	119	9.62	-2.249	28.87	0
12/30/21 3:15	7.013	127.4	7.831	-2.111	28.86	0
12/30/21 3:30	8.42	128.4	12.52	-2.001	28.84	0
12/30/21 3:45	7.233	120.7	9.7	-2.136	28.83	0
12/30/21 4:00	8.29	126.7	8.32	-2.169	28.81	0
12/30/21 4:15	11.04	135	8.13	-2.039	28.78	0
12/30/21 4:30	11.09	125.6	8.98	-1.92	28.76	0
12/30/21 4:45	11.47	120.7	8.94	-1.726	28.74	0
12/30/21 5:00	11.5	122.3	9.53	-1.48	28.72	0
12/30/21 5:15	12.01	128.3	8.69	-1.156	28.7	0
12/30/21 5:30	10.45	125.5	8.41	-0.981	28.68	0
12/30/21 5:45	9.97	133.7	9.66	-0.775	28.68	0
12/30/21 6:00	7.633	141.4	7.97	-0.706	28.68	0
12/30/21 6:15	6.269	124.9	10.07	-0.764	28.68	0
12/30/21 6:30	3.612	113	13.41	-0.697	28.68	0
12/30/21 6:45	5.868	129.8	12.71	-0.533	28.68	0
12/30/21 7:00	7.254	135.9	15.3	-0.378	28.69	0
12/30/21 7:15	5.645	133.1	27.89	-0.281	28.69	0
12/30/21 7:30	2.032	76.64	41.8	-0.279	28.7	0
12/30/21 7:45	1.441	149.5	65.16	-0.156	28.71	0
12/30/21 8:00	5.014	250.1	31.39	0.034	28.71	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/30/21 8:15	5.489	268.8	17.17	-0.09	28.71	0
12/30/21 8:30	3.593	305.4	14.13	-0.11	28.72	0
12/30/21 8:45	2.516	359.4	13.91	-0.206	28.73	0
12/30/21 9:00	5.16	319.4	15.54	-0.188	28.74	0
12/30/21 9:15	8.18	303.9	8.79	-0.207	28.75	0
12/30/21 9:30	5.927	286.8	5.588	-0.226	28.75	0
12/30/21 9:45	5.484	287.4	7.517	-0.316	28.76	0
12/30/21 10:00	7.548	285.8	8.03	-0.417	28.77	0
12/30/21 10:15	6.958	276.1	11.24	-0.477	28.77	0
12/30/21 10:30	8.93	287.4	7.575	-0.538	28.78	0
12/30/21 10:45	7.952	292.3	10.77	-0.521	28.78	0
12/30/21 11:00	6.307	306.9	10.24	-0.501	28.78	0
12/30/21 11:15	8.41	322.3	13.92	-0.468	28.78	0
12/30/21 11:30	11.09	334	17.67	-0.591	28.78	0
12/30/21 11:45	8.09	324.4	9.5	-0.57	28.78	0
12/30/21 12:00	8.03	313.4	11.15	-0.617	28.78	0
12/30/21 12:15	7.246	305.9	12.04	-0.739	28.79	0
12/30/21 12:30	4.826	325	16.01	-0.708	28.79	0
12/30/21 12:45	1.668	313.8	38.77	-0.585	28.8	0
12/30/21 13:00	5.501	291.4	9.54	-0.699	28.8	0
12/30/21 13:15	5.871	330.8	26.84	-0.838	28.81	0
12/30/21 13:30	6.004	327	13.04	-0.81	28.81	0
12/30/21 13:45	6.267	342.8	10.94	-0.833	28.82	0
12/30/21 14:00	5.862	354.6	16.82	-0.914	28.82	0
12/30/21 14:15	2.214	11.46	16.07	-0.956	28.82	0
12/30/21 14:30	3.183	338.8	21.47	-0.975	28.83	0
12/30/21 14:45	2.749	4.825	16.92	-1.061	28.83	0
12/30/21 15:00	3.951	355.4	24.95	-1.309	28.84	0
12/30/21 15:15	5.428	13.52	12.62	-1.665	28.84	0
12/30/21 15:30	5.693	9.88	13.78	-1.84	28.85	0
12/30/21 15:45	5.91	359	15.68	-2.003	28.85	0
12/30/21 16:00	6.874	7.757	14.62	-2.157	28.86	0
12/30/21 16:15	7.597	10.82	12.34	-2.389	28.86	0
12/30/21 16:30	8.76	5.637	12.22	-2.522	28.86	0
12/30/21 16:45	9.75	8.81	8.31	-2.633	28.86	0
12/30/21 17:00	8.89	1.671	15.72	-2.635	28.87	0
12/30/21 17:15	8.7	359.4	16.54	-2.575	28.87	0
12/30/21 17:30	7.239	2.996	14.12	-2.623	28.87	0
12/30/21 17:45	7.957	5.241	15.05	-2.573	28.88	0
12/30/21 18:00	8.67	3.598	17.65	-2.544	28.88	0
12/30/21 18:15	5.924	1.327	16.97	-2.697	28.88	0
12/30/21 18:30	5.615	10.3	15.14	-2.744	28.88	0
12/30/21 18:45	4.518	18.22	21.18	-2.842	28.88	0
12/30/21 19:00	5.43	31.89	21.14	-2.755	28.89	0
12/30/21 19:15	5.085	27.93	20.35	-2.76	28.89	0
12/30/21 19:30	4.379	17.05	24.23	-2.604	28.89	0
12/30/21 19:45	9.03	11.29	14.21	-2.439	28.9	0
12/30/21 20:00	6.803	4.403	15.91	-2.357	28.9	0
12/30/21 20:15	6.79	359	17.14	-2.241	28.9	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
12/30/21 20:30	7.436	357.1	17.65	-2.286	28.9	0
12/30/21 20:45	6.898	354.6	18.35	-2.207	28.91	0
12/30/21 21:00	5.039	20.73	11.34	-2.34	28.91	0
12/30/21 21:15	4.077	24.72	19.2	-2.476	28.91	0
12/30/21 21:30	1.867	15.85	10.29	-2.576	28.92	0
12/30/21 21:45	0.288	14.61	4.692	-2.653	28.93	0
12/30/21 22:00	0.595	324.5	10.19	-2.84	28.93	0
12/30/21 22:15	1.527	151.6	36.89	-3.084	28.93	0
12/30/21 22:30	1.493	141.7	25.25	-3.201	28.94	0
12/30/21 22:45	1.762	161.3	11.7	-3.201	28.94	0
12/30/21 23:00	0.942	36.96	56.04	-3.167	28.94	0
12/30/21 23:15	1.309	89.7	51.92	-3.187	28.95	0
12/30/21 23:30	1.334	179.3	61.92	-3.156	28.95	0
12/30/21 23:45	1.159	165.6	68.69	-3.004	28.95	0
12/31/21 0:00	1.674	288.3	60.59	-3.044	28.95	0
12/31/21 0:15	0.927	4.065	9.43	-3.26	28.96	0
12/31/21 0:30	0.281	1.796	1.121	-3.218	28.96	0
12/31/21 0:45	0.711	3.735	1.635	-3.169	28.97	0
12/31/21 1:00	0.005	7.745	0.035	-3.137	28.97	0
12/31/21 1:15	0.718	53.61	21.46	-3.183	28.97	0
12/31/21 1:30	2.338	107.5	10.92	-3.142	28.98	0
12/31/21 1:45	2.65	143.5	40.99	-3.096	28.98	0
12/31/21 2:00	0.861	358.3	11.51	-3.089	28.99	0
12/31/21 2:15	3.503	214.4	21.37	-3.195	28.99	0
12/31/21 2:30	1.712	106.6	76.89	-3.144	29	0
12/31/21 2:45	0.56	103.8	33.54	-3.259	29	0
12/31/21 3:00	1.388	97.7	27.6	-3.246	29	0
12/31/21 3:15	1.696	48.28	49.99	-3.487	29	0
12/31/21 3:30	3.735	131.2	11.3	-3.258	29	0
12/31/21 3:45	2.148	98	18.6	-3.216	29	0
12/31/21 4:00	1.56	69.14	11.44	-3.258	29	0
12/31/21 4:15	0.771	22.24	14.06	-3.292	29	0
12/31/21 4:30	0.575	336.7	19.37	-3.241	29.01	0
12/31/21 4:45	1.085	259.7	18.57	-3.387	29.01	0
12/31/21 5:00	1.908	233.1	39.34	-3.39	29.01	0
12/31/21 5:15	0.386	350.4	31.05	-3.402	29.02	0
12/31/21 5:30	0.41	8.29	0.41	-3.394	29.02	0
12/31/21 5:45	1.31	3.333	10.9	-3.396	29.02	0
12/31/21 6:00	1.767	354	20.9	-3.436	29.03	0
12/31/21 6:15	1.367	354.4	34.19	-3.439	29.04	0
12/31/21 6:30	0.889	259.2	32.42	-3.491	29.04	0
12/31/21 6:45	1.386	327.9	12.79	-3.586	29.05	0
12/31/21 7:00	1.916	358.4	15.03	-3.596	29.06	0
12/31/21 7:15	3.213	321.4	10.57	-3.598	29.06	0
12/31/21 7:30	3.956	301.9	8.12	-3.585	29.07	0
12/31/21 7:45	3.125	336.3	26.11	-3.562	29.08	0
12/31/21 8:00	4.501	12.65	9.99	-3.967	29.09	0
12/31/21 8:15	7.398	15.54	10.54	-4.045	29.1	0
12/31/21 8:30	8.45	9.15	12.22	-4.063	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
12/31/21 8:45	7.418	5.226	12.5	-3.925	29.12	0
12/31/21 9:00	6.325	5.4	16.98	-3.974	29.12	0
12/31/21 9:15	7.261	13.8	6.742	-4.07	29.13	0
12/31/21 9:30	9.86	8.33	11.7	-3.994	29.14	0
12/31/21 9:45	7.022	357.8	15.32	-4.002	29.14	0
12/31/21 10:00	5.298	1.108	16.18	-3.529	29.15	0
12/31/21 10:15	5.3	3.481	11.77	-3.461	29.15	0
12/31/21 10:30	4.841	359.3	18.25	-3.273	29.16	0
12/31/21 10:45	4.374	299.4	15.42	-3.115	29.16	0
12/31/21 11:00	3.412	273.3	11.26	-2.786	29.16	0
12/31/21 11:15	3.922	287.2	9.92	-2.668	29.16	0
12/31/21 11:30	3.969	307.6	14.16	-2.499	29.16	0
12/31/21 11:45	5.562	298.4	7.034	-2.464	29.17	0
12/31/21 12:00	4.37	297.8	12	-2.32	29.18	0
12/31/21 12:15	3.358	292.9	20.36	-1.783	29.17	0
12/31/21 12:30	2.903	305.8	17.83	-1.844	29.18	0
12/31/21 12:45	4.576	303.8	21.9	-1.79	29.18	0
12/31/21 13:00	8.14	306.1	9.52	-2.039	29.18	0
12/31/21 13:15	6.553	342.6	19.3	-2.016	29.19	0
12/31/21 13:30	6.999	10.08	15.16	-2.098	29.2	0
12/31/21 13:45	7.303	12.56	10.66	-2.17	29.2	0
12/31/21 14:00	10.36	13.72	11.92	-2.077	29.21	0
12/31/21 14:15	7.072	348.7	24.92	-2.517	29.21	0
12/31/21 14:30	4.645	287.9	23.58	-2.597	29.22	0
12/31/21 14:45	3.352	287	42.2	-2.143	29.22	0
12/31/21 15:00	3.032	338.4	23.7	-1.748	29.23	0
12/31/21 15:15	6.698	336.6	13.05	-2.341	29.23	0
12/31/21 15:30	5.616	337.7	11.35	-2.444	29.24	0
12/31/21 15:45	4.809	327.2	10.13	-2.614	29.24	0
12/31/21 16:00	3.623	341	13.76	-2.481	29.24	0
12/31/21 16:15	1.767	3.754	20.04	-2.62	29.25	0
12/31/21 16:30	2.494	276.9	15.74	-2.825	29.25	0
12/31/21 16:45	4.763	319.7	11.27	-3.313	29.26	0
12/31/21 17:00	4.345	330.7	24.91	-3.984	29.26	0
12/31/21 17:15	5.71	338.4	19.06	-4.043	29.27	0
12/31/21 17:30	3.706	335.4	14.54	-4	29.27	0
12/31/21 17:45	3.408	330.5	18.56	-4.069	29.28	0
12/31/21 18:00	3.958	4.536	18.18	-4.19	29.28	0
12/31/21 18:15	3.695	31.99	13.04	-4.37	29.29	0
12/31/21 18:30	4.116	29.84	4.867	-5.085	29.29	0
12/31/21 18:45	2.861	43.24	5.864	-5.225	29.3	0
12/31/21 19:00	3.62	61.72	7.202	-5.185	29.31	0
12/31/21 19:15	3.966	64.19	6.046	-5.125	29.31	0
12/31/21 19:30	4.014	61.33	4.555	-4.886	29.32	0
12/31/21 19:45	3.732	47.17	6.077	-4.973	29.32	0
12/31/21 20:00	3.198	46.33	7.159	-5.257	29.32	0
12/31/21 20:15	2.367	42.83	8.08	-5.506	29.32	0
12/31/21 20:30	2.388	44.49	7.207	-5.631	29.32	0
12/31/21 20:45	3.037	30.45	4.475	-5.754	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
12/31/21 21:00	2.855	49.16	9.76	-6.032	29.33	0
12/31/21 21:15	2.484	48.59	3.853	-6.007	29.33	0
12/31/21 21:30	2.84	51.96	4.559	-5.903	29.33	0
12/31/21 21:45	1.896	76.36	21.39	-5.958	29.33	0
12/31/21 22:00	2.945	102	7.505	-6.023	29.33	0
12/31/21 22:15	3.94	113	11.94	-5.992	29.33	0
12/31/21 22:30	4.253	132.8	6.914	-5.24	29.33	0
12/31/21 22:45	4.169	120.6	9.17	-5.088	29.34	0
12/31/21 23:00	4.026	132	7.934	-4.95	29.35	0
12/31/21 23:15	4.277	144.1	6.792	-5.327	29.35	0
12/31/21 23:30	4.781	135.8	6.733	-5.414	29.36	0
12/31/21 23:45	4.341	111.4	11.95	-5.85	29.36	0
1/1/22 0:00	5.332	114.9	6.653	-6.178	29.36	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL
AREA 5 TOP DECK
MONITORING REPORT

Fourth Quarter 2021

King County

Department of Natural Resources and Parks
Solid Waste Division

February 2022
Printed on recycled paper

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AREA 5 TOP DECK MONITORING
QUARTERLY REPORT

FOURTH QUARTER 2021

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 2021

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
2021	174.29	353.12*	70,076,050,304	48.30	493,572	10,903	0.0027	0.00006

2021: Precipitation and leachate through 4th Quarter of 2021. Refuse in place through 4th Quarter 2021.

* 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 2021 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 2021, 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 20 and December 27, 2021. 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 2021 surface emission monitoring was conducted from December 15 through January 22, 2021.

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

The results from the fourth quarter of 2021 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 2021 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, all 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 December 20, 2021. 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 2021

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
		2/22/2021	757.47					2/22/2021	767.75
--	--	12/20/2021	757.09	--	--	--	--	12/20/2021	767.41

[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 2021

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	05/2020- 12/2021
[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	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	0.54
[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	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	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	0.5
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	0.52
	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	0.04	0.03

[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

Samples were collected from the Area 5 Top Deck stormwater monitoring stations SW- TD1, and SW-TD2 during the fourth quarter of 2021 while no samples were collected at SW-TD3 to SW-TD6. 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 2021 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 both stations were aligned with 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.

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 were measured within 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 specially turbidity, alkalinity and chemical oxygen demand in the fourth quarter of 2021.

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 2021. 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 - 4Q2021 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	10/28/2021	STD1211028-	92.9	6.95	13.31	13.1	24.9	17 T	1.61	0.0376	9.65	21.9	7.4
SW-TD2	10/28/2021	STD2211028-					14.7	42.5	0.55	0.111	0.466	1.35	13.8
		Average Value =	93	6.95	13.3	13	19.8	42.5	1.08	0.074	5.1	11.6	10.6

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 - 4Q2021 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	10/6/2021	LV1A211006M	8420	8	22.6		3140	3350	752	3.27	9.17	30.1	1200 S
LS-V1A	11/3/2021	LV1A211103M	3883	7.53	15.3		1700	1950	347	1.36	4.18	23.2	708
LS-V1A	12/8/2021	LV1A211208M	2520	8.33	9.3	293	1370	1360	284	1.49	7.92	15.4	473
		Average Value =	4941	8	16	293	2070	2220	10980	2	7	23	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 2021. There was no water quality exceedance with respect to the applicable water quality criteria SW-TD1 and SW-TD2 stormwater sampling location except for iron at SW-TD1. However, when the overall results were compared to 2015 averaged surface water sampling data at SW- S1 (table 6), and leachate effluent samples from LV1A (table 7), the Top Deck stormwater runoff exhibited higher than average values versus historical surface water samples for most parameters in the fourth quarter of 2021. Figure 2 shows the Area 5 Top Deck stormwater monitoring station locations of the Area 5. LS-V1A sample monitoring result was higher the designated limit for total iron per the water quality criteria. All other sample monitoring result for LS-V1A can be found at Table 7.

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 2021 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 2021. 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

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	PURPOSE OF VISIT:
Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CEDAR HILLS SANITARY LAND** CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Wednesday, October 20, 2021 **Time In:** 12:10 pm **Time Out:** 3:05 pm **Inspector:** Darshan Dhillon **Result:** **SATISFACTORY**

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

1.0 ACTIONS AND RECOMMENDATIONS:

1.1 Submit final report on leachate release cleanup action plan from southeast corner of area 7 and northeast corner of Area 8.

1.2 Please esure that water is changed in the wheel wash. It was found to be very dirty.

2.0 OBSERVATIONS:

2.1 Duel phase wells have been completed and connected to the infrastructure.

2.2 Area 7 top deck has partially finished laying geotechnical liner and 12 inches of sand layer.

2.3 West perimeter road from where contaminated soil was removed has been repaved.

2.4 Aerators were operating in both east and west leachate lagoons.

2.5 Contaminated storm water pond still have 7 to 8 feet of free board.

2.6 The turbidity of the strom water released from the sand filter appeared to be less than 25 NTU.

2.7 Few eagles were observed to be roosting at the storm water pond and around active face of Area 8.

2.8 Traffic safety measures have been in place to ensure workers safety at site. Speed signs have been posted and being observed.

2.9 Waste was being compacted by going over the deposited waste minimum three times by the compactors.

2.10 Ponding water was observed on top of the closed area 7.

2.11 No erosion was observed on the side slopes of the soil stock piles. New stockpiles have been hydroseeded.

2.12 No landfill gas (LFG) exceedances were recorded during LFG monitoring and LFG measurements.

2.13 Workers were wearing required Personal Protection Equipment (PPE).

2.14 All wells were secured with padlocks.

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**

Chinook (Seattle) 206-263-9566

Eastgate (Bellevue) 206-477-8050

Darshan Dhillon
HEI III

Scott Barden
Assistant Ops. Manager
11/02/2021

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

INSPECTION CHECKLIST

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

OUT

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

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

Annual Report

- ☐ 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirment for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

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

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

Performance Standards for groundwater monitoring

System Design

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

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

Permit Requirements

☐ 0863-Permit Required

Plan of Operation

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

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

☐ 0831-Operators conducting inspections per plan of operation

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

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

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

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

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

Record Keeping

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

Run-on/runoff Control Systems

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

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

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

Surface Water Requirements

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

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

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

SOLID WASTE INSPECTION REPORT

Public Health
Seattle & King County

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	**PURPOSE OF VISIT:** Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CEDAR HILLS SANITARY LAND** CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Tuesday, December 7, 2021 **Time In:** 9:00 am **Time Out:** 2:55 pm **Inspector:** Rory O'Rourke **Result: COMPLETE**

VIOLATIONS OBSERVED (if any)

-

OVERALL INSPECTION COMMENTS:

Actions and Recommendations:

1. Provide more details regarding the odor observation from the morning on the road between Areas 7 and 8 and the top of Area 7. The odor was a mix of refuse and sulfur and was noted by multiple participants on the landfill tour. Jeff Dye had yet to follow up on the observation at the time of inspection.
2. An Unacceptable Waste Report (UWR) from Bow Lake Transfer Station reviewed during the inspection noted fluorescent lights but did not clarify if these were broken upon arrival. These details should be included in the UWR to identify compliance with WAC 173-303-573.
3. Please ensure that the general sitewide plan of operation is available on site for inspections per WAC 173-351-210. This could not be provided during the inspection upon request.
4. Please ensure that the wheel wash is operating to remove any residual waste from trucks exiting the active area. The wheel wash was blocked during the inspection. Please provide a timeline for repair to Public Health.
5. Please investigate why the leachate ponds were more foamy that normal during the inspection and report this information to Public Health. Some foam was being blown out of the ponds onto the surrounding surfaces.
6. Collect scattered litter as necessary to prevent vector harborage, a fire hazard, an aesthetic nuisance, or adversely affect wildlife or its habitat per WAC 173-351-220(2). Windblown litter was observed in the trees along the road on the west side of Area 8 during the inspection.

Observations:

This inspection was coordinated with a facility tour. Tour participants included representatives from King County Solid Waste Division (KCSWD), Public Health - Seattle & King County (Public Health), and Washington State Department of Ecology (Ecology). Dan Swope, Rob Young, and Scott Barden were from KCSWD. Rory O'Rourke, Yolanda Pon, and Darshan Dhillon were from Public Health. Steven Williams, Alan Noell, and Tim O'Connor were from Ecology.

1. KCSWD representatives discussed future plans for the Areas 7 and 8 tie-in.
2. Two Construction Quality Assurance (CQA) reports are being worked on currently. These need to be approved before placing refuse.
3. Herrera is preparing a report on the southwest area leachate release.
4. 20 dual-phase landfill gas and leachate collection wells are being installed in Areas 4, 5, 6, and 7. A piston pump will bring leachate out of a dual-phase well. Each well will have its own solar panel.
5. Bark and quarry spalls are used for road base in Area 8.
6. The active face of Area 8 is uncovered each morning around 5:30-6:00 AM. It is recovered around 5:30-6:00 PM for daily closure.
7. KCSWD shared plans for revising the surface water conveyance on the west side of Area 7.
8. "Black guck" observed consistently across all Area 7 wells.
9. Artificial turf is proposed to cover the final Areas 8 and 9. The turf will use a sand rather than the usual rubber infill.

10. The Area 8 plan of operation was on site.
11. Justin Dayton from Innovative Wildlife Solutions is contracted to do bird and vector control at the landfill and transfer stations through 2024.
12. The bird management plan was on site and reviewed.
13. Aerators were on in both leachate ponds. Compost odor was predominant by the ponds.
14. Some water was observed in the stormwater sand filter pond, not high enough to reach discharge point.
15. No landfill gas exceedances were observed over the past month by technicians.
16. There was a loss of power on November 1 and 15, 2021.
17. On November 1, the landfill lost power around 7:00 AM and switched to generator power. Everything was running again by 7:35 AM, switching back to regular power by 2:00 PM.
18. On November 15, The BioEnergy Washington plant was shut down, and the North Flare Station operated from approximately 10:50-11:05 AM.
19. October 15, 2021, was the last complaint responded to with an odor observation at the property.
20. UWRs mainly noted construction and demolition waste dumped as issues.

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**

Chinook (Seattle) 206-263-9566
Eastgate (Bellevue) 206-477-8050

Rory O'Rourke
HEI III

Scott Barden
Scott Barden (Jan 19, 2022 08:02 PST)
Scott Barden
PIC

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		OUT
☐		

CHRLF Routine Inspection 12.7.2021

Final Audit Report 2022-01-19

Created:	2022-01-14
By:	Rory O'Rourke (Rory.O'Rourke@kingcounty.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAARExcO3be6uKYPq66EjTfHMJ9jnzg-fVO

"CHRLF Routine Inspection 12.7.2021" History

Document created by Rory O'Rourke (Rory.O'Rourke@kingcounty.gov)
2022-01-14 - 2:29:07 AM GMT- IP address: 198.49.222.20

Document emailed to Scott Barden (scott.barden@kingcounty.gov) for signature
2022-01-14 - 2:29:40 AM GMT

Email viewed by Scott Barden (scott.barden@kingcounty.gov)
2022-01-19 - 4:00:24 PM GMT- IP address: 146.129.195.84

Document e-signed by Scott Barden (scott.barden@kingcounty.gov)
Signature Date: 2022-01-19 - 4:02:55 PM GMT - Time Source: server- IP address: 146.129.195.84

Agreement completed.
2022-01-19 - 4:02:55 PM GMT

Adobe Sign

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 10/28/2021

Location: Cedar Hills Ambient Temperature: (57ºF) 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 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	**D10**	**A2/3**	**B4**		X		Damaged stormwater ditch on the northeast corner of Area 2/3. Needs to be repaired.	
2	**D11**	**A6**			X		Damaged silt fence north of Area 6 should be repaired.	
3	**D11**	**A6**			X		Triangular silt dikes on south slope of Area 6 should be removed.	
4	**C5**	**A6**			X		Two bare patches on the south slope of Area 6. Should be hydroseeded.	
5	**C5**	**A6**			X		Vegetation on the south slope of Area 6 should be removed.	
6	**D11**	**A6**			X		Body of water on south slope of Area 6. Area should be graded to prevent accumulation of water.	
7	**D11**	**A6**			X		Body of water on southwest corner of Area 6 to the east of Scrapper Road 6. Area should be monitored and regraded to prevent accumulation of water.	
8	**C6**	**A6**			X		Rilling occurring near southwest corner of Area 6 to the east of Scrapper Road 6. Area needs to be regraded to prevent rilling and plastic sheeting or gravel should be placed to limit erosion.	
9	**D6**		**I2**		X		Screen over sand filter valve needs to be modified to property fit over valve.	
10	**D11**	**A8**			X		Unnecessary construction fence. Remove construction fence from the southwest corner of Area 8	
11	**D11**		**G5**		X		Stormwater labels are missing. Need permanent stormwater labels stating, "Only Rain Down the Drain".	

12	**D11**		**G5**		X		Silt sack needs to replace. Replace new silt sack to prevent silt from entering stormwater drain.	

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 = SP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

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

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

Overall site description day of site inspection: Overall the site is maintained. There is a damaged stormwater ditch on the northwest corner of Areas 2/3 that should be repaired. There is a damaged silt fence on the north side of Area 6. There are unnecessary triangular silt dikes on the south slope of Area 6 that should be removed. There are some bare patches of soil on the south slope of Area 6 that should be hydroseeded. Vegetation on the south slope of Area 6 should be removed. There is a body of water on the south slope of Area 6. The area around this body of water should be regraded and drained to prevent the future accumulation of water here. By the southwest corner of Area 6 east of Scrapper Road 6 there is a body of water that has formed during the heavy rain event. This area should be regraded to prevent the accumulation of water. Rilling coming from body of water by southwest corner of Area 6. This area should be regraded, and liner or gravel should be placed to prevent rilling here. The sand filter valve needs a screen over it. The current screen should be modified to fit. Unnecessary construction fences on the southwest corner of Area 8 should be removed. Permanent labels are needed on stormwater drains around the Cedar Hills shop area. The labels should say “Only Rain Down the Drain” or something similar. A Silt sack in a stormwater drain should be replaced.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\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: 10/28/2021 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.*

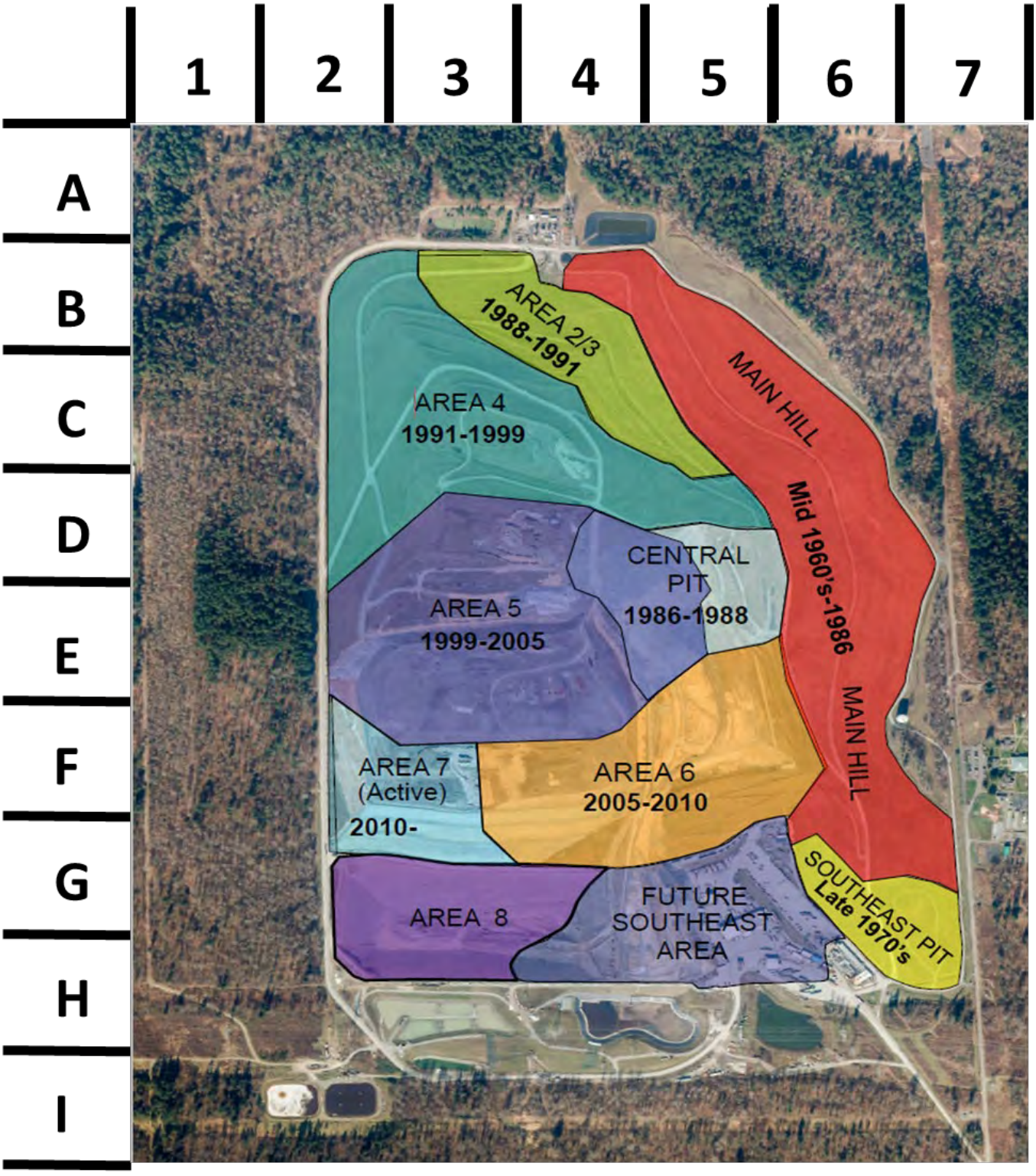
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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:_____ Date: 12/2/2021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AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 11/24/2021 and 11/29/201

Location: Cedar Hills Ambient Temperature: (40/53ºF) 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:				**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	C4		I4/5/6		X		Boundary fence damaged in a few places on the south west boundary.	
2	D11	A6			X		Damaged silt fence north of Area 6. Fence should be repaired.	
3	D11	A6			X		Silt has accumulated behind the silt fences north of Area 6. Remove silt and put down rip rap.	
4	D10	A2/3			X		Damaged stormwater ditch on northeast side of Area 2/3. Repair damaged ditch.	
5	D11	A8			X		Unnecessary construction fences southwest of Area 8 are not needed and should be removed.	
6	D6		I3		X		Need a screen over the sand filter valve. Make modifications to existing screen.	
7	C5	A6			X		Vegetation (bushes) on the south slope of Area 6 should be removed.	
8	C6	A6			X		Bare slope in a few locations on the south slope of Area 6. Need to investigate, fill, compact and hydroseed.	
9	D11	A6			X		Body of water on the south slope of Area 6. Regrade surrounding area during dry season.	
10	D11	A6			X		Triangular silt dikes on the south slope of Area 6 are not needed and should be removed.	
11	D9	A6			X		Debris caught in two trash racks on the south slope of Area 6. Remove debris.	
12	D11		G5		X		Stormwater drains needs labeling such as "Only Rain Down the Drain"	

13	**D11**		**G5**		X		Filter fabric in a stormwater drain should be replaced.	

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 = SP
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. The southwest boundary fence is damaged in a few places and should be repaired. There is a damaged silt fence north of Area 6 that should be repaired. Sediment has built up behind some silt fences north of Area 6. The sediment should be removed, and new riprap placed. There is a damaged stormwater fence on the northwest side of Area 2/3 that should be repaired. There are unnecessary construction fences on the southwest side of Area 8 should be removed. Modifications are needed to the trash rack screen over the sand filter valve. Bushes on the south slope of Area 6 should be removed. The south slope of Area 6 is bare in a few locations. These locations should be investigated, filled, compacted and hydroseeded. There is a body of water on the south slope of Area 6. The area around this water should be regraded to prevent the accumulation of water. There are triangular silt dikes on the south slope of Area 6 that are not needed and should be removed. Debris is caught in two trash racks on the south slope of Area 6 and should be removed to help stormwater conveyance. Stormwater drains need permanent “Only Rain Down the Drain” labeling. One storm drains needs to have the filter fabric replaced.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\11 - Nov\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: 11/24/2021 and 11/29/2021 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.*

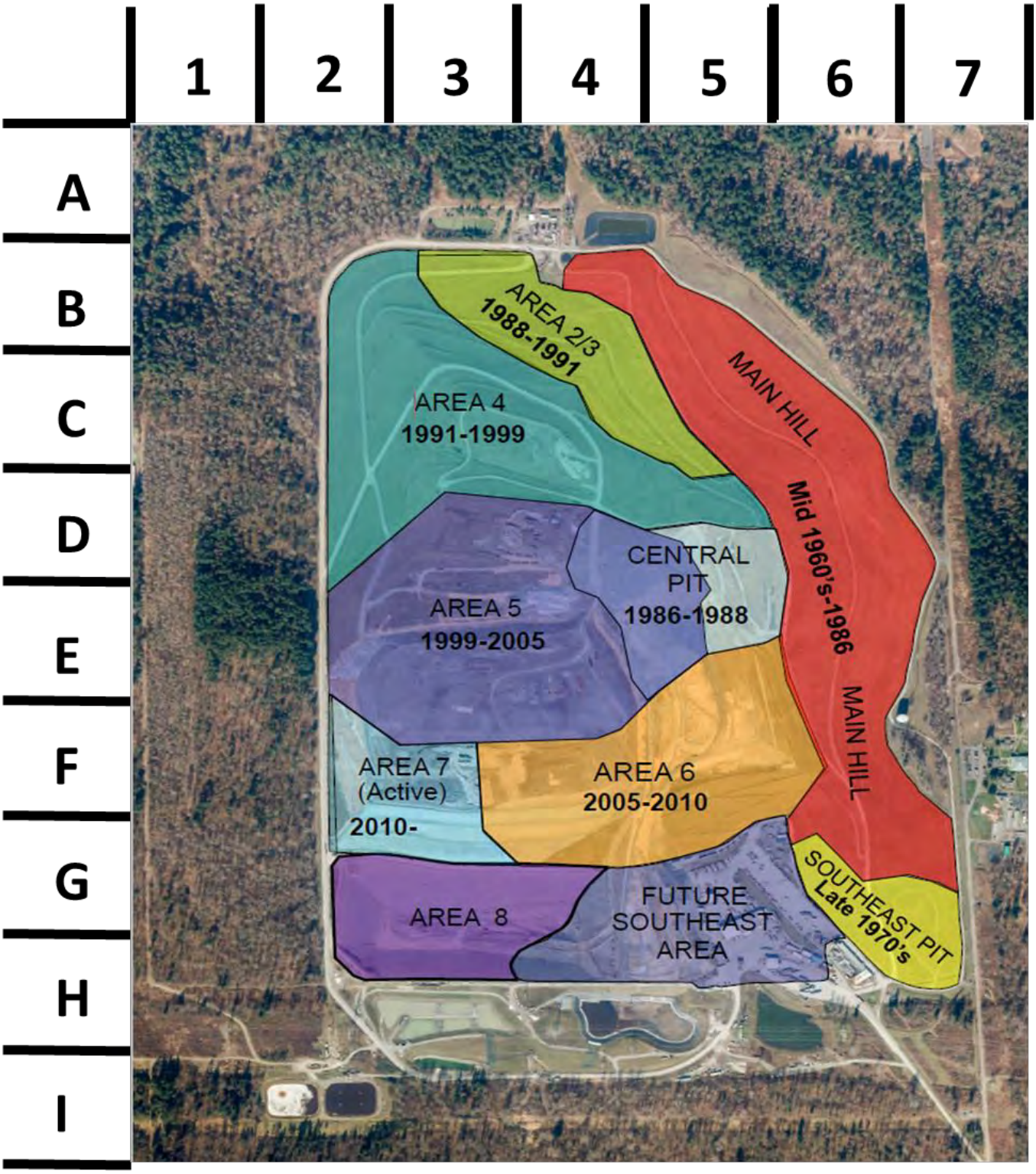
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP**.

* 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:_____ Date: 12/22/2021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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: 12/15/2021 and 12/16/2021

Location: Cedar Hills Ambient Temperature: (38/37ºF) Weather Condition: Overcast/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 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	**D11**	**A6**			X		Sediment has built up behind silt fences north of Area 6. Some damage to silt fences. Remove sediment and make repairs to silt fences as needed.	
2	**D9**	**A6**			X		Two stormwater trash racks on the south slope of Area 6 are partially clogged. Remove debris clogging trash racks.	
3	**D11**	**A6**			X		Several damaged unnecessary triangular silt dikes on the south slope of Area 6. Remove damaged silt dikes.	
4	**C6**	**A6**			X		Bare slope in a few places on the south side of Area 6. Investigate, fill, compact and hydroseed.	
5	**C5**	**A6**			X		Vegetation on the south side of Area 6. Remove vegetation.	
6	**D11**	**A6**			X		Body of water on the south slope of Area 6. Grade slope to drain water.	
7	**D10**	**A2/3**			X		Damaged stormwater ditch on the northwest side of Area 2/3. Repair stormwater ditch.	
8	**D11**	**A6**			X		Plastic sheeting on the southwest corner of Area 6 is deteriorating. Remove plastic sheeting and replace if necessary.	
9	**C11**	**A8**			X		Litter in trees west of Area 8. Remove litter.	
10	**D11**		**G5**		X		Stormwater drains are missing "Only Rain Down the Drain" signage. Add signage.	
11	**D11**		**G5**		X		Stormwater drain filter should be replaced. Replace filter.	

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 = SP
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. Sediment has built up behind some silt fences and some of the silt fences are damaged. Remove sediment and repair fences. Two stormwater trash racks on the south slope of Area 6 are clogged with debris that should be removed. There are several damaged unnecessary triangular silt dikes on the south slope of Area 6. Remove damaged silt dikes. The slope is bare in a few locations on the south slope of Area 6. Investigate, fill, compact and hydroseed the bare patches. There is vegetation on the south slope of Area 6 that should be removed. The is a body of water on the south slope of Area 6. This area should be regraded to prevent the accumulation of water. Part of the stormwater ditch on the northwest side of Area 2/3 is damaged and should be repaired. There is plastic sheeting on the southwest corner of Area 6 that has deteriorated. Remove plastic sheeting and replace if necessary. There is litter in the trees west of Area 8. Remove the litter that can be removed. Some stormwater drains need labeling such as “Only Rain Down the Drain”. One stormwater drain filter needs to be replaced.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\12 - Dec\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: 12/15/2021 and 12/16/2021 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.*

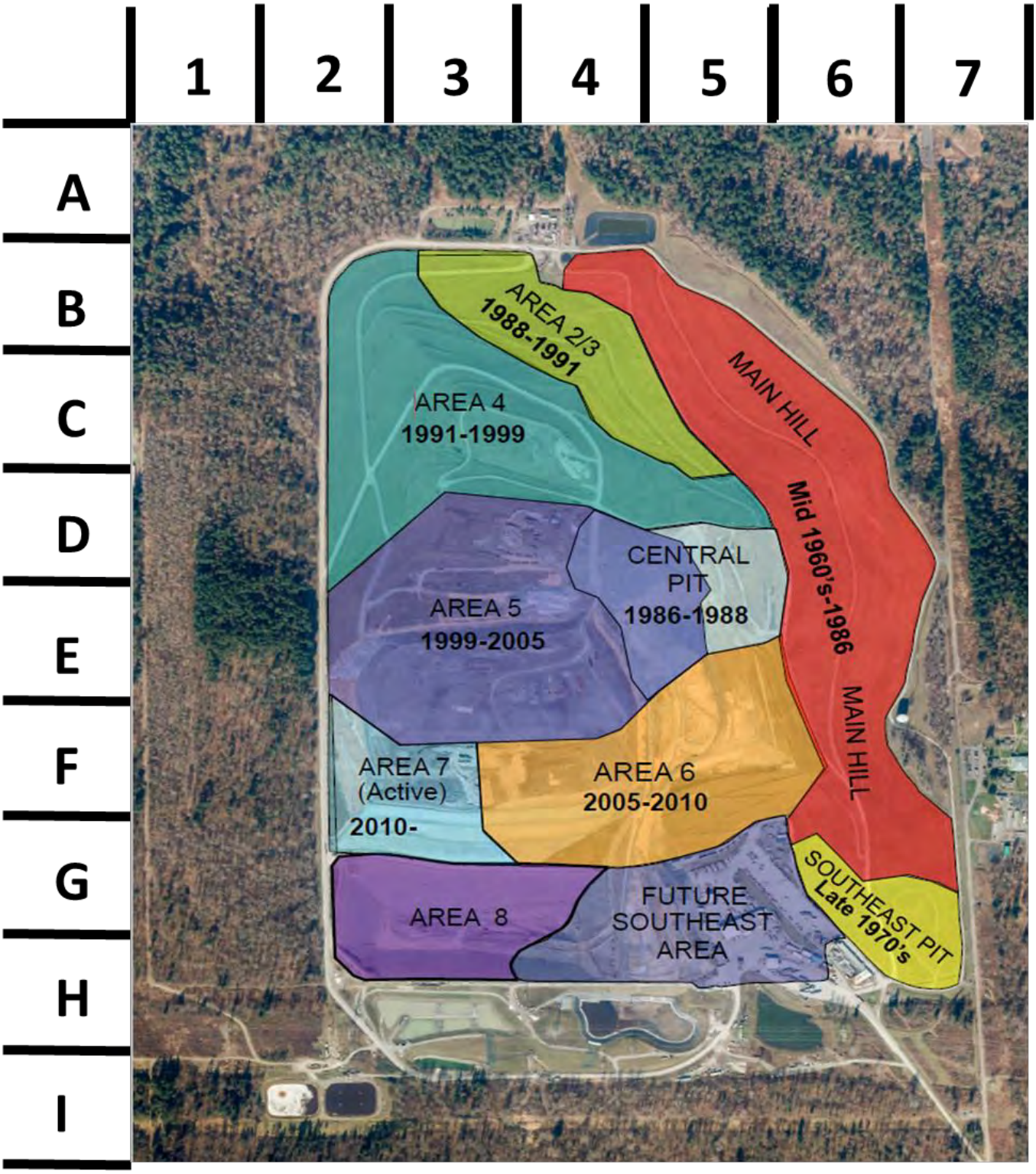
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* 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:_____ Date: 2/9/2022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AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

Cedar Hills Area 5 Maintenance

for the period 10/01/2021 *to* 12/31/2021

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	0000025058	CLOSED	Monthy Gas System PM	10/24/2021	N
	CHAREA5	0000025058	CLOSED	Monthly Stormwater PM	10/24/2021	N
	CHAREA5	0000025058	CLOSED	Monthly Cover System PM	10/24/2021	N
	CHAREA5	0000025193	CLOSED	Monthy Gas System PM	11/30/2021	N
	CHAREA5	0000025193	CLOSED	Monthly Stormwater PM	11/30/2021	N
	CHAREA5	0000025193	CLOSED	Monthly Cover System PM	11/30/2021	N
	CHAREA5	0000025329	CLOSED	Monthy Gas System PM	12/21/2021	N
	CHAREA5	0000025329	CLOSED	Monthly Stormwater PM	12/21/2021	N
	CHAREA5	0000025329	CLOSED	Monthly Cover System PM	12/21/2021	N
	CHAREA5E	0000025015	CLOSED	Monthly Header PM	10/26/2021	N
	CHAREA5E	0000025149	CLOSED	Monthly Header PM	11/03/2021	N
	CHAREA5E	0000025284	CLOSED	Monthly Header PM	12/06/2021	N
	CHAREA5W	0000025014	CLOSED	Monthly Header PM	10/26/2021	N
	CHAREA5W	0000025148	CLOSED	Monthly Header PM	11/03/2021	N
	CHAREA5W	0000025283	CLOSED	Monthly Header PM	12/06/2021	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 01/01/2021 *to* 12/31/2021

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	0000049154	CLOSED	PMM	01/12/2021	N
	Cedar Hills	0000049433	CLOSED	PMM	02/05/2021	N
	Cedar Hills	0000049725	CLOSED	PMM	03/01/2021	N
	Cedar Hills	0000050050	CLOSED	PMM	04/09/2021	N
	Cedar Hills	0000050346	CLOSED	PMM	05/03/2021	N
	Cedar Hills	0000050692	CLOSED	PMM	06/01/2021	N
	Cedar Hills	0000050965	CLOSED	PMM	07/04/2021	N
	Cedar Hills	0000051233	CLOSED	PMM	08/03/2021	N
	Cedar Hills	0000051647	CLOSED	PMM	09/17/2021	N
	Cedar Hills	0000051886	CLOSED	PMM	10/06/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
	Cedar Hills	0000052207	CLOSED	PMM	11/03/2021	N
	Cedar Hills	0000052591	CLOSED	PMM	12/08/2021	N
Control Structures						
	Cedar Hills	0000049234	CLOSED	PMS	04/09/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
Trash Racks						
	Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
	Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	Y
	Cedar Hills	0000049277	CLOSED	PMW	01/21/2021	N
	Cedar Hills	0000049369	CLOSED	PMW	01/28/2021	N
	Cedar Hills	0000049432	CLOSED	PMW	02/05/2021	N
	Cedar Hills	0000049525	CLOSED	PMW	02/10/2021	N
	Cedar Hills	0000049587	CLOSED	PMW	02/16/2021	N
	Cedar Hills	0000049601	CLOSED	PMW	02/23/2021	N
	Cedar Hills	0000049724	CLOSED	PMW	03/01/2021	N
	Cedar Hills	0000049791	CLOSED	PMW	03/13/2021	N
	Cedar Hills	0000049884	CLOSED	PMW	03/17/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000049939	CLOSED	PMW	03/24/2021	N
	Cedar Hills	0000049983	CLOSED	PMW	03/29/2021	N
	Cedar Hills	0000050049	CLOSED	PMW	04/09/2021	N
	Cedar Hills	0000050180	CLOSED	PMW	04/15/2021	N
	Cedar Hills	0000050242	CLOSED	PMW	04/19/2021	N
	Cedar Hills	0000050284	CLOSED	PMW	04/26/2021	N
	Cedar Hills	0000050345	CLOSED	PMW	05/03/2021	N
	Cedar Hills	0000050461	CLOSED	PMW	05/12/2021	N
	Cedar Hills	0000050498	CLOSED	PMW	05/20/2021	N
	Cedar Hills	0000050590	CLOSED	PMW	05/27/2021	N
	Cedar Hills	0000050691	CLOSED	PMW	06/01/2021	N
	Cedar Hills	0000050745	CLOSED	PMW	06/07/2021	N
	Cedar Hills	0000050790	CLOSED	PMW	06/16/2021	N
	Cedar Hills	0000050919	CLOSED	PMW	06/27/2021	N
	Cedar Hills	0000050964	CLOSED	PMW	07/04/2021	N
	Cedar Hills	0000051057	CLOSED	PMW	07/12/2021	N
	Cedar Hills	0000051108	CLOSED	PMW	07/19/2021	N
	Cedar Hills	0000051187	CLOSED	PMW	07/25/2021	Y
	Cedar Hills	0000051225	CLOSED	PMW	08/03/2021	N
	Cedar Hills	0000051352	CLOSED	PMW	08/09/2021	N
	Cedar Hills	0000051438	CLOSED	PMW	08/15/2021	N
	Cedar Hills	0000051480	CLOSED	PMW	08/24/2021	N
	Cedar Hills	0000051572	CLOSED	PMW	08/31/2021	N
	Cedar Hills	0000051576	CLOSED	PMW	09/07/2021	N
	Cedar Hills	0000051646	CLOSED	PMW	09/17/2021	N
	Cedar Hills	0000051783	CLOSED	PMW	09/21/2021	N
	Cedar Hills	0000051885	CLOSED	PMW	10/06/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
	Cedar Hills	0000052008	CLOSED	PMW	10/14/2021	N
	Cedar Hills	0000052075	CLOSED	PMW	10/18/2021	N
	Cedar Hills	0000052088	CLOSED	PMW	10/28/2021	N
	Cedar Hills	0000052206	CLOSED	PMW	11/03/2021	N
	Cedar Hills	0000052286	CLOSED	PMW	11/10/2021	N
	Cedar Hills	0000052353	CLOSED	PMW	11/16/2021	Y
	Cedar Hills	0000052397	CLOSED	PMW	11/24/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000052479	CLOSED	PMW	12/02/2021	N
	Cedar Hills	0000052590	CLOSED	PMW	12/08/2021	Y
	Cedar Hills	0000052630	CLOSED	PMW	12/15/2021	Y
	Cedar Hills	0000052691	CLOSED	PMW	12/21/2021	N
	Cedar Hills	0000052740	CLOSED	PMW	12/28/2021	Y
Ditches						
	Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
	Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	Y
	Cedar Hills	0000049154	CLOSED	PMM	01/12/2021	N
	Cedar Hills	0000049232	CLOSED	PMI	02/25/2021	N
	Cedar Hills	0000049233	CLOSED	PMQ	04/09/2021	N
	Cedar Hills	0000049277	CLOSED	PMW	01/21/2021	N
	Cedar Hills	0000049369	CLOSED	PMW	01/28/2021	N
	Cedar Hills	0000049432	CLOSED	PMW	02/05/2021	N
	Cedar Hills	0000049433	CLOSED	PMM	02/05/2021	N
	Cedar Hills	0000049525	CLOSED	PMW	02/10/2021	N
	Cedar Hills	0000049587	CLOSED	PMW	02/16/2021	N
	Cedar Hills	0000049601	CLOSED	PMW	02/23/2021	N
	Cedar Hills	0000049724	CLOSED	PMW	03/01/2021	N
	Cedar Hills	0000049725	CLOSED	PMM	03/01/2021	N
	Cedar Hills	0000049791	CLOSED	PMW	03/13/2021	N
	Cedar Hills	0000049884	CLOSED	PMW	03/17/2021	N
	Cedar Hills	0000049939	CLOSED	PMW	03/24/2021	N
	Cedar Hills	0000049983	CLOSED	PMW	03/29/2021	N
	Cedar Hills	0000050049	CLOSED	PMW	04/09/2021	N
	Cedar Hills	0000050050	CLOSED	PMM	04/09/2021	N
	Cedar Hills	0000050180	CLOSED	PMW	04/15/2021	N
	Cedar Hills	0000050242	CLOSED	PMW	04/19/2021	N
	Cedar Hills	0000050284	CLOSED	PMW	04/26/2021	N
	Cedar Hills	0000050345	CLOSED	PMW	05/03/2021	N
	Cedar Hills	0000050346	CLOSED	PMM	05/03/2021	N
	Cedar Hills	0000050417	CLOSED	PMQ	07/23/2021	N
	Cedar Hills	0000050461	CLOSED	PMW	05/12/2021	N
	Cedar Hills	0000050498	CLOSED	PMW	05/20/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000050590	CLOSED	PMW	05/27/2021	N
	Cedar Hills	0000050691	CLOSED	PMW	06/01/2021	N
	Cedar Hills	0000050692	CLOSED	PMM	06/01/2021	N
	Cedar Hills	0000050745	CLOSED	PMW	06/07/2021	N
	Cedar Hills	0000050790	CLOSED	PMW	06/16/2021	N
	Cedar Hills	0000050919	CLOSED	PMW	06/27/2021	N
	Cedar Hills	0000050964	CLOSED	PMW	07/04/2021	N
	Cedar Hills	0000050965	CLOSED	PMM	07/04/2021	N
	Cedar Hills	0000051057	CLOSED	PMW	07/12/2021	N
	Cedar Hills	0000051108	CLOSED	PMW	07/19/2021	N
	Cedar Hills	0000051187	CLOSED	PMW	07/25/2021	Y
	Cedar Hills	0000051225	CLOSED	PMW	08/03/2021	N
	Cedar Hills	0000051233	CLOSED	PMM	08/03/2021	N
	Cedar Hills	0000051352	CLOSED	PMW	08/09/2021	N
	Cedar Hills	0000051438	CLOSED	PMW	08/15/2021	N
	Cedar Hills	0000051480	CLOSED	PMW	08/24/2021	N
	Cedar Hills	0000051572	CLOSED	PMW	08/31/2021	N
	Cedar Hills	0000051576	CLOSED	PMW	09/07/2021	N
	Cedar Hills	0000051646	CLOSED	PMW	09/17/2021	N
	Cedar Hills	0000051647	CLOSED	PMM	09/17/2021	N
	Cedar Hills	0000051710	CLOSED	PMQ	10/14/2021	N
	Cedar Hills	0000051783	CLOSED	PMW	09/21/2021	N
	Cedar Hills	0000051885	CLOSED	PMW	10/06/2021	N
	Cedar Hills	0000051886	CLOSED	PMM	10/06/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
	Cedar Hills	0000052008	CLOSED	PMW	10/14/2021	N
	Cedar Hills	0000052075	CLOSED	PMW	10/18/2021	N
	Cedar Hills	0000052088	CLOSED	PMW	10/28/2021	N
	Cedar Hills	0000052206	CLOSED	PMW	11/03/2021	N
	Cedar Hills	0000052207	CLOSED	PMM	11/03/2021	N
	Cedar Hills	0000052286	CLOSED	PMW	11/10/2021	N
	Cedar Hills	0000052353	CLOSED	PMW	11/16/2021	Y
	Cedar Hills	0000052397	CLOSED	PMW	11/24/2021	N
	Cedar Hills	0000052479	CLOSED	PMW	12/02/2021	N
	Cedar Hills	0000052590	CLOSED	PMW	12/08/2021	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000052591	CLOSED	PMM	12/08/2021	N
	Cedar Hills	0000052630	CLOSED	PMW	12/15/2021	Y
	Cedar Hills	0000052691	CLOSED	PMW	12/21/2021	N
	Cedar Hills	0000052740	CLOSED	PMW	12/28/2021	Y
Pipes/Culverts						
	Cedar Hills	0000049232	CLOSED	PMI	02/25/2021	N
	Cedar Hills	0000049233	CLOSED	PMQ	04/09/2021	N
	Cedar Hills	0000050417	CLOSED	PMQ	07/23/2021	N
	Cedar Hills	0000051710	CLOSED	PMQ	10/14/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
Ponds/Lagoons						
	Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
	Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	Y
	Cedar Hills	0000049232	CLOSED	PMI	02/25/2021	N
	Cedar Hills	0000049233	CLOSED	PMQ	04/09/2021	N
	Cedar Hills	0000049234	CLOSED	PMS	04/09/2021	N
	Cedar Hills	0000049277	CLOSED	PMW	01/21/2021	N
	Cedar Hills	0000049369	CLOSED	PMW	01/28/2021	N
	Cedar Hills	0000049432	CLOSED	PMW	02/05/2021	N
	Cedar Hills	0000049525	CLOSED	PMW	02/10/2021	N
	Cedar Hills	0000049587	CLOSED	PMW	02/16/2021	N
	Cedar Hills	0000049601	CLOSED	PMW	02/23/2021	N
	Cedar Hills	0000049724	CLOSED	PMW	03/01/2021	N
	Cedar Hills	0000049791	CLOSED	PMW	03/13/2021	N
	Cedar Hills	0000049884	CLOSED	PMW	03/17/2021	N
	Cedar Hills	0000049939	CLOSED	PMW	03/24/2021	N
	Cedar Hills	0000049983	CLOSED	PMW	03/29/2021	N
	Cedar Hills	0000050049	CLOSED	PMW	04/09/2021	N
	Cedar Hills	0000050180	CLOSED	PMW	04/15/2021	N
	Cedar Hills	0000050242	CLOSED	PMW	04/19/2021	N
	Cedar Hills	0000050284	CLOSED	PMW	04/26/2021	N
	Cedar Hills	0000050345	CLOSED	PMW	05/03/2021	N
	Cedar Hills	0000050417	CLOSED	PMQ	07/23/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000050461	CLOSED	PMW	05/12/2021	N
	Cedar Hills	0000050498	CLOSED	PMW	05/20/2021	N
	Cedar Hills	0000050590	CLOSED	PMW	05/27/2021	N
	Cedar Hills	0000050691	CLOSED	PMW	06/01/2021	N
	Cedar Hills	0000050745	CLOSED	PMW	06/07/2021	N
	Cedar Hills	0000050790	CLOSED	PMW	06/16/2021	N
	Cedar Hills	0000050919	CLOSED	PMW	06/27/2021	N
	Cedar Hills	0000050964	CLOSED	PMW	07/04/2021	N
	Cedar Hills	0000051057	CLOSED	PMW	07/12/2021	N
	Cedar Hills	0000051108	CLOSED	PMW	07/19/2021	N
	Cedar Hills	0000051187	CLOSED	PMW	07/25/2021	Y
	Cedar Hills	0000051225	CLOSED	PMW	08/03/2021	N
	Cedar Hills	0000051352	CLOSED	PMW	08/09/2021	N
	Cedar Hills	0000051438	CLOSED	PMW	08/15/2021	N
	Cedar Hills	0000051480	CLOSED	PMW	08/24/2021	N
	Cedar Hills	0000051572	CLOSED	PMW	08/31/2021	N
	Cedar Hills	0000051576	CLOSED	PMW	09/07/2021	N
	Cedar Hills	0000051646	CLOSED	PMW	09/17/2021	N
	Cedar Hills	0000051710	CLOSED	PMQ	10/14/2021	N
	Cedar Hills	0000051783	CLOSED	PMW	09/21/2021	N
	Cedar Hills	0000051885	CLOSED	PMW	10/06/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
	Cedar Hills	0000052008	CLOSED	PMW	10/14/2021	N
	Cedar Hills	0000052075	CLOSED	PMW	10/18/2021	N
	Cedar Hills	0000052088	CLOSED	PMW	10/28/2021	N
	Cedar Hills	0000052206	CLOSED	PMW	11/03/2021	N
	Cedar Hills	0000052286	CLOSED	PMW	11/10/2021	N
	Cedar Hills	0000052353	CLOSED	PMW	11/16/2021	Y
	Cedar Hills	0000052397	CLOSED	PMW	11/24/2021	N
	Cedar Hills	0000052479	CLOSED	PMW	12/02/2021	N
	Cedar Hills	0000052590	CLOSED	PMW	12/08/2021	Y
	Cedar Hills	0000052630	CLOSED	PMW	12/15/2021	Y
	Cedar Hills	0000052691	CLOSED	PMW	12/21/2021	N
	Cedar Hills	0000052740	CLOSED	PMW	12/28/2021	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
General						
	Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
	Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	Y
	Cedar Hills	0000049233	CLOSED	PMQ	04/09/2021	N
	Cedar Hills	0000049277	CLOSED	PMW	01/21/2021	N
	Cedar Hills	0000049369	CLOSED	PMW	01/28/2021	N
	Cedar Hills	0000049432	CLOSED	PMW	02/05/2021	N
	Cedar Hills	0000049525	CLOSED	PMW	02/10/2021	N
	Cedar Hills	0000049587	CLOSED	PMW	02/16/2021	N
	Cedar Hills	0000049601	CLOSED	PMW	02/23/2021	N
	Cedar Hills	0000049724	CLOSED	PMW	03/01/2021	N
	Cedar Hills	0000049791	CLOSED	PMW	03/13/2021	N
	Cedar Hills	0000049884	CLOSED	PMW	03/17/2021	N
	Cedar Hills	0000049939	CLOSED	PMW	03/24/2021	N
	Cedar Hills	0000049983	CLOSED	PMW	03/29/2021	N
	Cedar Hills	0000050049	CLOSED	PMW	04/09/2021	N
	Cedar Hills	0000050180	CLOSED	PMW	04/15/2021	N
	Cedar Hills	0000050242	CLOSED	PMW	04/19/2021	N
	Cedar Hills	0000050284	CLOSED	PMW	04/26/2021	N
	Cedar Hills	0000050345	CLOSED	PMW	05/03/2021	N
	Cedar Hills	0000050417	CLOSED	PMQ	07/23/2021	N
	Cedar Hills	0000050461	CLOSED	PMW	05/12/2021	N
	Cedar Hills	0000050498	CLOSED	PMW	05/20/2021	N
	Cedar Hills	0000050590	CLOSED	PMW	05/27/2021	N
	Cedar Hills	0000050691	CLOSED	PMW	06/01/2021	N
	Cedar Hills	0000050745	CLOSED	PMW	06/07/2021	N
	Cedar Hills	0000050790	CLOSED	PMW	06/16/2021	N
	Cedar Hills	0000050919	CLOSED	PMW	06/27/2021	N
	Cedar Hills	0000050964	CLOSED	PMW	07/04/2021	N
	Cedar Hills	0000051057	CLOSED	PMW	07/12/2021	N
	Cedar Hills	0000051108	CLOSED	PMW	07/19/2021	N
	Cedar Hills	0000051187	CLOSED	PMW	07/25/2021	Y
	Cedar Hills	0000051225	CLOSED	PMW	08/03/2021	N
	Cedar Hills	0000051352	CLOSED	PMW	08/09/2021	N
	Cedar Hills	0000051438	CLOSED	PMW	08/15/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000051480	CLOSED	PMW	08/24/2021	N
	Cedar Hills	0000051572	CLOSED	PMW	08/31/2021	N
	Cedar Hills	0000051576	CLOSED	PMW	09/07/2021	N
	Cedar Hills	0000051646	CLOSED	PMW	09/17/2021	N
	Cedar Hills	0000051710	CLOSED	PMQ	10/14/2021	N
	Cedar Hills	0000051783	CLOSED	PMW	09/21/2021	N
	Cedar Hills	0000051885	CLOSED	PMW	10/06/2021	N
	Cedar Hills	0000051890	CLOSED	After Storm	09/30/2021	N
	Cedar Hills	0000052008	CLOSED	PMW	10/14/2021	N
	Cedar Hills	0000052075	CLOSED	PMW	10/18/2021	N
	Cedar Hills	0000052088	CLOSED	PMW	10/28/2021	N
	Cedar Hills	0000052206	CLOSED	PMW	11/03/2021	N
	Cedar Hills	0000052286	CLOSED	PMW	11/10/2021	N
	Cedar Hills	0000052353	CLOSED	PMW	11/16/2021	Y
	Cedar Hills	0000052397	CLOSED	PMW	11/24/2021	N
	Cedar Hills	0000052479	CLOSED	PMW	12/02/2021	N
	Cedar Hills	0000052590	CLOSED	PMW	12/08/2021	Y
	Cedar Hills	0000052630	CLOSED	PMW	12/15/2021	Y
	Cedar Hills	0000052691	CLOSED	PMW	12/21/2021	N
	Cedar Hills	0000052740	CLOSED	PMW	12/28/2021	Y
Leachate System						
	CHPS2	0000049068	CLOSED	PMW	01/05/2021	N
	CHPS2	0000049207	CLOSED	PMW	01/12/2021	N
	CHPS2	0000049285	CLOSED	PMW	01/19/2021	N
	CHPS2	0000049328	CLOSED	PMW	01/24/2021	N
	CHPS2	0000049412	CLOSED	PMW	02/02/2021	N
	CHPS2	0000049495	CLOSED	PMW	02/09/2021	N
	CHPS2	0000049567	CLOSED	PMW	02/14/2021	N
	CHPS2	0000049625	CLOSED	PMW	02/23/2021	N
	CHPS2	0000049700	CLOSED	PMW	03/01/2021	N
	CHPS2	0000049787	CLOSED	PMW	03/08/2021	N
	CHPS2	0000049847	CLOSED	PMW	03/16/2021	N
	CHPS2	0000049934	CLOSED	PMW	03/22/2021	N
	CHPS2	0000049974	CLOSED	PMW	03/31/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS2	0000050105	CLOSED	PMW	04/06/2021	N
	CHPS2	0000050155	CLOSED	PMW	04/13/2021	N
	CHPS2	0000050215	CLOSED	PMW	04/18/2021	N
	CHPS2	0000050258	CLOSED	PMW	04/26/2021	N
	CHPS2	0000050334	CLOSED	PMW	05/03/2021	N
	CHPS2	0000050451	CLOSED	PMW	05/10/2021	N
	CHPS2	0000050541	CLOSED	PMW	05/17/2021	N
	CHPS2	0000050559	CLOSED	PMW	05/24/2021	N
	CHPS2	0000050624	CLOSED	PMW	06/04/2021	N
	CHPS2	0000050763	CLOSED	PMW	06/07/2021	N
	CHPS2	0000050786	CLOSED	PMW	06/14/2021	N
	CHPS2	0000050915	CLOSED	PMW	06/29/2021	N
	CHPS2	0000050987	CLOSED	PMW	07/06/2021	Y
	CHPS2	0000051046	CLOSED	PMW	07/12/2021	N
	CHPS2	0000051124	CLOSED	PMW	07/20/2021	N
	CHPS2	0000051184	CLOSED	PMW	07/26/2021	N
	CHPS2	0000051240	CLOSED	PMW	08/02/2021	N
	CHPS2	0000051349	CLOSED	PMW	08/09/2021	N
	CHPS2	0000051433	CLOSED	PMW	08/15/2021	Y
	CHPS2	0000051470	CLOSED	PMW	08/23/2021	Y
	CHPS2	0000051528	CLOSED	PMW	08/30/2021	N
	CHPS2	0000051537	CLOSED	PMW	09/07/2021	N
	CHPS2	0000051796	CLOSED	PMW	09/17/2021	N
	CHPS2	0000051830	CLOSED	PMW	09/21/2021	N
	CHPS2	0000051831	CLOSED	PMW	09/26/2021	N
	CHPS2	0000051869	CLOSED	PMW	10/05/2021	N
	CHPS2	0000051994	CLOSED	PMW	10/11/2021	N
	CHPS2	0000052055	CLOSED	PMW	10/19/2021	N
	CHPS2	0000052115	CLOSED	PMW	10/25/2021	Y
	CHPS2	0000052156	CLOSED	PMW	11/03/2021	N
	CHPS2	0000052280	CLOSED	PMW	11/08/2021	N
	CHPS2	0000052331	CLOSED	PMW	11/15/2021	N
	CHPS2	0000052387	CLOSED	PMW	11/21/2021	N
	CHPS2	0000052441	CLOSED	PMW	11/29/2021	N
	CHPS2	0000052500	CLOSED	PMW	12/08/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS2	0000052638	CLOSED	PMW	12/13/2021	N
	CHPS2	0000052663	CLOSED	PMW	12/19/2021	N
	CHPS2	0000052720	CLOSED	PMW	12/28/2021	N
	CHPS3	0000049066	CLOSED	PMW	01/05/2021	N
	CHPS3	0000049205	CLOSED	PMW	01/12/2021	N
	CHPS3	0000049283	CLOSED	PMW	01/19/2021	N
	CHPS3	0000049326	CLOSED	PMW	01/24/2021	N
	CHPS3	0000049410	CLOSED	PMW	02/02/2021	N
	CHPS3	0000049493	CLOSED	PMW	02/09/2021	N
	CHPS3	0000049565	CLOSED	PMW	02/14/2021	N
	CHPS3	0000049623	CLOSED	PMW	02/23/2021	N
	CHPS3	0000049699	CLOSED	PMW	03/01/2021	N
	CHPS3	0000049785	CLOSED	PMW	03/08/2021	N
	CHPS3	0000049845	CLOSED	PMW	03/16/2021	N
	CHPS3	0000049932	CLOSED	PMW	03/22/2021	N
	CHPS3	0000049972	CLOSED	PMW	03/31/2021	N
	CHPS3	0000050103	CLOSED	PMW	04/06/2021	N
	CHPS3	0000050153	CLOSED	PMW	04/13/2021	N
	CHPS3	0000050213	CLOSED	PMW	04/18/2021	N
	CHPS3	0000050256	CLOSED	PMW	04/26/2021	N
	CHPS3	0000050332	CLOSED	PMW	05/03/2021	N
	CHPS3	0000050449	CLOSED	PMW	05/10/2021	N
	CHPS3	0000050539	CLOSED	PMW	05/17/2021	N
	CHPS3	0000050557	CLOSED	PMW	05/24/2021	N
	CHPS3	0000050622	CLOSED	PMW	06/04/2021	N
	CHPS3	0000050761	CLOSED	PMW	06/07/2021	N
	CHPS3	0000050784	CLOSED	PMW	06/14/2021	N
	CHPS3	0000050852	CLOSED	PMW	06/21/2021	N
	CHPS3	0000050913	CLOSED	PMW	06/29/2021	N
	CHPS3	0000050985	CLOSED	PMW	07/06/2021	N
	CHPS3	0000051044	CLOSED	PMW	07/12/2021	N
	CHPS3	0000051122	CLOSED	PMW	07/19/2021	N
	CHPS3	0000051182	CLOSED	PMW	07/26/2021	N
	CHPS3	0000051238	CLOSED	PMW	08/02/2021	N
	CHPS3	0000051347	CLOSED	PMW	08/09/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS3	0000051431	CLOSED	PMW	08/15/2021	N
	CHPS3	0000051468	CLOSED	PMW	08/23/2021	N
	CHPS3	0000051526	CLOSED	PMW	08/30/2021	N
	CHPS3	0000051535	CLOSED	PMW	09/07/2021	N
	CHPS3	0000051631	CLOSED	PMW	09/17/2021	N
	CHPS3	0000051794	CLOSED	PMW	09/22/2021	N
	CHPS3	0000051826	CLOSED	PMW	09/26/2021	N
	CHPS3	0000051871	CLOSED	PMW	10/05/2021	N
	CHPS3	0000051992	CLOSED	PMW	10/11/2021	N
	CHPS3	0000052053	CLOSED	PMW	10/19/2021	N
	CHPS3	0000052113	CLOSED	PMW	10/25/2021	N
	CHPS3	0000052154	CLOSED	PMW	11/03/2021	N
	CHPS3	0000052278	CLOSED	PMW	11/08/2021	N
	CHPS3	0000052329	CLOSED	PMW	11/15/2021	N
	CHPS3	0000052385	CLOSED	PMW	11/21/2021	N
	CHPS3	0000052439	CLOSED	PMW	11/29/2021	N
	CHPS3	0000052502	CLOSED	PMW	12/08/2021	N
	CHPS3	0000052636	CLOSED	PMW	12/13/2021	N
	CHPS3	0000052661	CLOSED	PMW	12/19/2021	N
	CHPS3	0000052718	CLOSED	PMW	12/28/2021	N
	CHPS4	0000049065	CLOSED	PMW	01/05/2021	N
	CHPS4	0000049204	CLOSED	PMW	01/12/2021	N
	CHPS4	0000049282	CLOSED	PMW	01/19/2021	N
	CHPS4	0000049325	CLOSED	PMW	01/24/2021	N
	CHPS4	0000049409	CLOSED	PMW	02/02/2021	N
	CHPS4	0000049492	CLOSED	PMW	02/09/2021	N
	CHPS4	0000049564	CLOSED	PMW	02/14/2021	N
	CHPS4	0000049622	CLOSED	PMW	02/23/2021	N
	CHPS4	0000049698	CLOSED	PMW	03/01/2021	Y
	CHPS4	0000049784	CLOSED	PMW	03/08/2021	N
	CHPS4	0000049844	CLOSED	PMW	03/16/2021	N
	CHPS4	0000049931	CLOSED	PMW	03/21/2021	N
	CHPS4	0000049971	CLOSED	PMW	03/31/2021	N
	CHPS4	0000050102	CLOSED	PMW	04/07/2021	N
	CHPS4	0000050152	CLOSED	PMW	04/14/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS4	0000050212	CLOSED	PMW	04/18/2021	N
	CHPS4	0000050255	CLOSED	PMW	04/26/2021	N
	CHPS4	0000050331	CLOSED	PMW	05/03/2021	N
	CHPS4	0000050448	CLOSED	PMW	05/10/2021	N
	CHPS4	0000050538	CLOSED	PMW	05/17/2021	N
	CHPS4	0000050556	CLOSED	PMW	05/24/2021	N
	CHPS4	0000050621	CLOSED	PMW	06/04/2021	N
	CHPS4	0000050760	CLOSED	PMW	06/07/2021	N
	CHPS4	0000050783	CLOSED	PMW	06/14/2021	N
	CHPS4	0000050851	CLOSED	PMW	06/21/2021	N
	CHPS4	0000050912	CLOSED	PMW	06/29/2021	N
	CHPS4	0000050984	CLOSED	PMW	07/06/2021	N
	CHPS4	0000051043	CLOSED	PMW	07/12/2021	N
	CHPS4	0000051121	CLOSED	PMW	07/19/2021	Y
	CHPS4	0000051181	CLOSED	PMW	07/26/2021	N
	CHPS4	0000051243	CLOSED	PMW	08/02/2021	N
	CHPS4	0000051346	CLOSED	PMW	08/09/2021	N
	CHPS4	0000051430	CLOSED	PMW	08/15/2021	N
	CHPS4	0000051467	CLOSED	PMW	08/23/2021	Y
	CHPS4	0000051525	CLOSED	PMW	08/30/2021	Y
	CHPS4	0000051534	CLOSED	PMW	09/07/2021	Y
	CHPS4	0000051630	CLOSED	PMW	09/17/2021	N
	CHPS4	0000051793	CLOSED	PMW	09/21/2021	Y
	CHPS4	0000051825	CLOSED	PMW	09/26/2021	N
	CHPS4	0000051866	CLOSED	PMW	10/05/2021	Y
	CHPS4	0000051991	CLOSED	PMW	10/11/2021	N
	CHPS4	0000052052	CLOSED	PMW	10/19/2021	N
	CHPS4	0000052112	CLOSED	PMW	10/25/2021	Y
	CHPS4	0000052153	CLOSED	PMW	11/03/2021	N
	CHPS4	0000052277	CLOSED	PMW	11/08/2021	N
	CHPS4	0000052328	CLOSED	PMW	11/15/2021	N
	CHPS4	0000052384	CLOSED	PMW	11/21/2021	N
	CHPS4	0000052438	CLOSED	PMW	11/29/2021	Y
	CHPS4	0000052499	CLOSED	PMW	12/08/2021	N
	CHPS4	0000052632	CLOSED	PMW	12/13/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS4	0000052660	CLOSED	PMW	12/19/2021	N
	CHPS4	0000052717	CLOSED	PMW	12/28/2021	N
	LEPS	0000049062	CLOSED	PMW	01/05/2021	N
	LEPS	0000049201	CLOSED	PMW	01/12/2021	N
	LEPS	0000049210	CLOSED	PMM	01/11/2021	Y
	LEPS	0000049279	CLOSED	PMW	01/19/2021	N
	LEPS	0000049322	CLOSED	PMW	01/24/2021	N
	LEPS	0000049406	CLOSED	PMW	02/02/2021	N
	LEPS	0000049415	CLOSED	PMM	02/02/2021	Y
	LEPS	0000049489	CLOSED	PMW	02/09/2021	N
	LEPS	0000049561	CLOSED	PMW	02/14/2021	N
	LEPS	0000049619	CLOSED	PMW	02/23/2021	N
	LEPS	0000049695	CLOSED	PMW	03/01/2021	N
	LEPS	0000049704	CLOSED	PMM	03/09/2021	Y
	LEPS	0000049781	CLOSED	PMW	03/08/2021	N
	LEPS	0000049841	CLOSED	PMW	03/15/2021	N
	LEPS	0000049928	CLOSED	PMW	03/21/2021	N
	LEPS	0000049968	CLOSED	PMW	03/31/2021	N
	LEPS	0000050099	CLOSED	PMW	04/07/2021	N
	LEPS	0000050108	CLOSED	PMM	04/07/2021	Y
	LEPS	0000050150	CLOSED	PMW	04/14/2021	N
	LEPS	0000050209	CLOSED	PMW	04/19/2021	N
	LEPS	0000050252	CLOSED	PMW	04/26/2021	N
	LEPS	0000050328	CLOSED	PMW	05/03/2021	N
	LEPS	0000050337	CLOSED	PMM	05/10/2021	Y
	LEPS	0000050445	CLOSED	PMW	05/10/2021	N
	LEPS	0000050535	CLOSED	PMW	05/17/2021	N
	LEPS	0000050553	CLOSED	PMW	05/24/2021	N
	LEPS	0000050618	CLOSED	PMW	06/04/2021	N
	LEPS	0000050627	CLOSED	PMM	06/01/2021	Y
	LEPS	0000050757	CLOSED	PMW	06/07/2021	N
	LEPS	0000050780	CLOSED	PMW	06/14/2021	N
	LEPS	0000050848	CLOSED	PMW	06/21/2021	N
	LEPS	0000050909	CLOSED	PMW	06/29/2021	N
	LEPS	0000050981	CLOSED	PMW	07/06/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	LEPS	0000050990	CLOSED	PMM	07/14/2021	Y
	LEPS	0000051040	CLOSED	PMW	07/12/2021	N
	LEPS	0000051118	CLOSED	PMW	07/19/2021	N
	LEPS	0000051178	CLOSED	PMW	07/26/2021	N
	LEPS	0000051235	CLOSED	PMW	08/02/2021	N
	LEPS	0000051244	CLOSED	PMM	08/04/2021	Y
	LEPS	0000051343	CLOSED	PMW	08/09/2021	N
	LEPS	0000051427	CLOSED	PMW	08/15/2021	N
	LEPS	0000051464	CLOSED	PMW	08/23/2021	N
	LEPS	0000051522	CLOSED	PMW	08/30/2021	N
	LEPS	0000051531	CLOSED	PMW	09/07/2021	N
	LEPS	0000051627	CLOSED	PMW	09/17/2021	N
	LEPS	0000051635	CLOSED	PMM	09/14/2021	Y
	LEPS	0000051790	CLOSED	PMW	09/21/2021	Y
	LEPS	0000051822	CLOSED	PMW	09/26/2021	N
	LEPS	0000051863	CLOSED	PMW	10/05/2021	N
	LEPS	0000051872	CLOSED	PMM	10/07/2021	Y
	LEPS	0000051988	CLOSED	PMW	10/11/2021	N
	LEPS	0000052049	CLOSED	PMW	10/19/2021	Y
	LEPS	0000052109	CLOSED	PMW	10/25/2021	N
	LEPS	0000052150	CLOSED	PMW	11/03/2021	N
	LEPS	0000052159	CLOSED	PMM	11/02/2021	Y
	LEPS	0000052275	CLOSED	PMW	11/08/2021	N
	LEPS	0000052325	CLOSED	PMW	11/15/2021	N
	LEPS	0000052381	CLOSED	PMW	11/21/2021	N
	LEPS	0000052435	CLOSED	PMW	11/29/2021	N
	LEPS	0000052497	CLOSED	PMW	12/08/2021	N
	LEPS	0000052506	CLOSED	PMM	12/07/2021	Y
	LEPS	0000052633	CLOSED	PMW	12/13/2021	N
	LEPS	0000052634	CLOSED	PMW	12/13/2021	N
	LEPS	0000052657	CLOSED	PMW	12/19/2021	N
	LEPS	0000052714	CLOSED	PMW	12/28/2021	N
	Cedar Hills	0000049233	CLOSED	PMQ	04/09/2021	N
	Cedar Hills	0000050417	CLOSED	PMQ	07/23/2021	N
	Cedar Hills	0000051710	CLOSED	PMQ	10/14/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS1	0000049069	CLOSED	PMW	01/05/2021	N
	CHPS1	0000049329	CLOSED	PMW	01/24/2021	N
	CHPS1	0000049496	CLOSED	PMW	02/09/2021	N
	CHPS1	0000049568	CLOSED	PMW	02/14/2021	N
	CHPS1	0000049626	CLOSED	PMW	02/23/2021	N
	CHPS1	0000049702	CLOSED	PMW	03/01/2021	N
	CHPS1	0000049788	CLOSED	PMW	03/08/2021	N
	CHPS1	0000049848	CLOSED	PMW	03/16/2021	N
	CHPS1	0000049935	CLOSED	PMW	03/31/2021	N
	CHPS1	0000050156	CLOSED	PMW	04/13/2021	N
	CHPS1	0000050216	CLOSED	PMW	04/18/2021	N
	CHPS1	0000050259	CLOSED	PMW	04/26/2021	N
	CHPS1	0000050335	CLOSED	PMW	05/03/2021	N
	CHPS1	0000050452	CLOSED	PMW	05/10/2021	N
	CHPS1	0000050625	CLOSED	PMW	06/04/2021	N
	CHPS1	0000050764	CLOSED	PMW	06/07/2021	N
	CHPS1	0000050787	CLOSED	PMW	06/14/2021	N
	CHPS1	0000050916	CLOSED	PMW	06/29/2021	N
	CHPS1	0000051047	CLOSED	PMW	07/12/2021	N
	CHPS1	0000051125	CLOSED	PMW	07/20/2021	N
	CHPS1	0000051185	CLOSED	PMW	07/26/2021	N
	CHPS1	0000051350	CLOSED	PMW	08/09/2021	Y
	CHPS1	0000051434	CLOSED	PMW	08/15/2021	N
	CHPS1	0000051471	CLOSED	PMW	08/23/2021	N
	CHPS1	0000051633	CLOSED	PMW	09/17/2021	N
	CHPS1	0000051798	CLOSED	PMW	09/22/2021	N
	CHPS1	0000051867	CLOSED	PMW	10/05/2021	N
	CHPS1	0000051995	CLOSED	PMW	10/11/2021	N
	CHPS1	0000052056	CLOSED	PMW	10/19/2021	N
	CHPS1	0000052157	CLOSED	PMW	11/03/2021	N
	CHPS1	0000052332	CLOSED	PMW	11/15/2021	N
	CHPS1	0000052388	CLOSED	PMW	11/21/2021	N
	CHPS1	0000052442	CLOSED	PMW	11/29/2021	N
	CHPS1	0000052503	CLOSED	PMW	12/08/2021	N
	CHPS1	0000052639	CLOSED	PMW	12/13/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS1	0000052664	CLOSED	PMW	12/19/2021	N
	CHPS1	0000052721	CLOSED	PMW	12/28/2021	N
	CHPS1	0000052281	CLOSED	PMW	11/08/2021	N
	CHPS1	0000052116	CLOSED	PMW	10/25/2021	N
	CHPS1	0000051828	CLOSED	PMW	09/26/2021	N
	CHPS1	0000051538	CLOSED	PMW	09/07/2021	N
	CHPS1	0000051529	CLOSED	PMW	08/30/2021	N
	CHPS1	0000051241	CLOSED	PMW	08/02/2021	N
	CHPS1	0000050988	CLOSED	PMW	07/06/2021	N
	CHPS1	0000050855	CLOSED	PMW	06/21/2021	Y
	CHPS1	0000050560	CLOSED	PMW	05/24/2021	Y
	CHPS1	0000050542	CLOSED	PMW	05/17/2021	N
	CHPS1	0000050106	CLOSED	PMW	04/06/2021	N
	CHPS1	0000049413	CLOSED	PMW	02/02/2021	N
	CHPS1	0000049286	CLOSED	PMW	01/19/2021	N
	CHPS1	0000049208	CLOSED	PMW	01/12/2021	N
Landfill Cover						
	CHSTOCKPILE	0000023811	CLOSED	PMV	01/22/2021	N
	CHAPONDS	0000023812	CLOSED	PMV	01/22/2021	N
	CHAREA4	0000023813	CLOSED	PMV	01/22/2021	N
	CHAREA5	0000023814	CLOSED	PMV	01/22/2021	N
	CHAREA6	0000023815	CLOSED	PMV	01/22/2021	N
	CHAREAS23	0000023818	CLOSED	PMV	01/22/2021	N
	CHCENTRALPIT	0000023819	CLOSED	PMV	01/22/2021	N
	CHEMH	0000023820	CLOSED	PMV	01/22/2021	N
	CHSEPA	0000023821	CLOSED	PMV	01/22/2021	N
	CHSEPA	0000023822	CLOSED	PMV	01/22/2021	N
	CHSSWA	0000023823	CLOSED	PMV	01/22/2021	N
	CHSWMH	0000023824	CLOSED	PMV	01/22/2021	N
	CHNFLARESTN	0000023825	CLOSED	PMV	01/22/2021	N
	CHSTOCKPILE	0000023946	CLOSED	PMV	02/07/2021	N
	CHAPONDS	0000023947	CLOSED	PMV	02/07/2021	N
	CHAREA4	0000023948	CLOSED	PMV	02/07/2021	N
	CHAREA5	0000023949	CLOSED	PMV	02/07/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA6	0000023950	CLOSED	PMV	02/07/2021	N
	CHCENTRALPIT	0000023953	CLOSED	PMV	02/07/2021	N
	CHAREAS23	0000023954	CLOSED	PMV	02/07/2021	N
	CHEMH	0000023955	CLOSED	PMV	02/07/2021	N
	CHSSWA	0000023956	CLOSED	PMV	02/07/2021	N
	CHSWMH	0000023957	CLOSED	PMV	02/07/2021	N
	CHNFLARESTN	0000023958	CLOSED	PMV	02/07/2021	N
	CHSTOCKPILE	0000024088	CLOSED	PMV	03/13/2021	N
	CHAPONDS	0000024089	CLOSED	PMV	03/13/2021	N
	CHAREA4	0000024090	CLOSED	PMV	03/13/2021	N
	CHAREA5	0000024091	CLOSED	PMV	03/13/2021	N
	CHAREA6	0000024092	CLOSED	PMV	03/13/2021	N
	CHAREAS23	0000024095	CLOSED	PMV	03/13/2021	N
	CHCENTRALPIT	0000024096	CLOSED	PMV	03/13/2021	N
	CHEMH	0000024097	CLOSED	PMV	03/13/2021	N
	CHSEPA	0000024098	CLOSED	PMV	03/13/2021	N
	CHSSWA	0000024099	CLOSED	PMV	03/13/2021	N
	CHSWMH	0000024100	CLOSED	PMV	03/13/2021	N
	CHNFLARESTN	0000024101	CLOSED	PMV	03/13/2021	N
	CHSTOCKPILE	0000024226	CLOSED	PMV	04/25/2021	N
	CHAPONDS	0000024227	CLOSED	PMV	04/25/2021	N
	CHAREA4	0000024228	CLOSED	PMV	04/25/2021	N
	CHAREA5	0000024229	CLOSED	PMV	04/25/2021	N
	CHAREA6	0000024230	CLOSED	PMV	04/25/2021	N
	CHAREAS23	0000024233	CLOSED	PMV	04/25/2021	N
	CHCENTRALPIT	0000024234	CLOSED	PMV	04/25/2021	N
	CHEMH	0000024235	CLOSED	PMV	04/25/2021	N
	CHSEPA	0000024236	CLOSED	PMV	04/25/2021	N
	CHSSWA	0000024237	CLOSED	PMV	04/25/2021	N
	CHSWMH	0000024238	CLOSED	PMV	04/25/2021	N
	CHNFLARESTN	0000024239	CLOSED	PMV	04/25/2021	N
	CHSTOCKPILE	0000024365	CLOSED	PMV	05/25/2021	N
	CHAPONDS	0000024366	CLOSED	PMV	05/25/2021	N
	CHAREA4	0000024367	CLOSED	PMV	05/25/2021	N
	CHAREA5	0000024368	CLOSED	PMV	05/25/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA6	0000024369	CLOSED	PMV	05/25/2021	N
	CHAREAS23	0000024372	CLOSED	PMV	05/25/2021	N
	CHCENTRALPIT	0000024373	CLOSED	PMV	05/25/2021	N
	CHEMH	0000024374	CLOSED	PMV	05/25/2021	N
	CHSEPA	0000024375	CLOSED	PMV	05/25/2021	N
	CHSSWA	0000024376	CLOSED	PMV	05/25/2021	N
	CHSWMH	0000024377	CLOSED	PMV	05/25/2021	N
	CHNFLARESTN	0000024378	CLOSED	PMV	05/25/2021	N
	CHSTOCKPILE	0000024500	CLOSED	PMV	06/15/2021	N
	CHAPONDS	0000024501	CLOSED	PMV	06/15/2021	N
	CHAREA4	0000024502	CLOSED	PMV	06/15/2021	N
	CHAREA5	0000024503	CLOSED	PMV	06/15/2021	N
	CHAREA6	0000024504	CLOSED	PMV	06/15/2021	N
	CHAREAS23	0000024508	CLOSED	PMV	06/15/2021	N
	CHCENTRALPIT	0000024509	CLOSED	PMV	06/15/2021	N
	CHEMH	0000024510	CLOSED	PMV	06/15/2021	N
	CHSEPA	0000024511	CLOSED	PMV	06/15/2021	N
	CHSSWA	0000024512	CLOSED	PMV	06/15/2021	N
	CHSWMH	0000024513	CLOSED	PMV	06/15/2021	N
	CHNFLARESTN	0000024514	CLOSED	PMV	06/15/2021	N
	CHSTOCKPILE	0000024641	CLOSED	PMV	08/01/2021	N
	CHAPONDS	0000024642	CLOSED	PMV	08/01/2021	N
	CHAREA4	0000024643	CLOSED	PMV	08/01/2021	N
	CHAREA5	0000024644	CLOSED	PMV	08/01/2021	N
	CHAREA6	0000024645	CLOSED	PMV	08/01/2021	N
	CHAREAS23	0000024648	CLOSED	PMV	08/01/2021	N
	CHCENTRALPIT	0000024649	CLOSED	PMV	08/01/2021	N
	CHEMH	0000024650	CLOSED	PMV	08/01/2021	N
	CHSEPA	0000024651	CLOSED	PMV	08/01/2021	N
	CHSSWA	0000024652	CLOSED	PMV	08/01/2021	N
	CHSWMH	0000024653	CLOSED	PMV	08/01/2021	N
	CHNFLARESTN	0000024654	CLOSED	PMV	08/01/2021	N
	CHSTOCKPILE	0000024779	CLOSED	PMV	08/13/2021	N
	CHAPONDS	0000024780	CLOSED	PMV	08/13/2021	N
	CHAREA4	0000024781	CLOSED	PMV	08/13/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA5	0000024782	CLOSED	PMV	08/13/2021	N
	CHAREA6	0000024783	CLOSED	PMV	08/13/2021	N
	CHAREAS23	0000024786	CLOSED	PMV	08/13/2021	N
	CHCENTRALPIT	0000024787	CLOSED	PMV	08/13/2021	N
	CHEMH	0000024788	CLOSED	PMV	08/13/2021	N
	CHSEPA	0000024789	CLOSED	PMV	08/13/2021	N
	CHSSWA	0000024790	CLOSED	PMV	08/13/2021	N
	CHSWMH	0000024791	CLOSED	PMV	08/13/2021	N
	CHNFLARESTN	0000024792	CLOSED	PMV	08/13/2021	N
	CHSTOCKPILE	0000024918	CLOSED	PMV	09/24/2021	N
	CHAPONDS	0000024919	CLOSED	PMV	09/24/2021	N
	CHAREA4	0000024920	CLOSED	PMV	09/24/2021	N
	CHAREA5	0000024921	CLOSED	PMV	09/25/2021	N
	CHAREA6	0000024922	CLOSED	PMV	09/25/2021	N
	CHAREAS23	0000024926	CLOSED	PMV	09/25/2021	N
	CHCENTRALPIT	0000024927	CLOSED	PMV	09/25/2021	N
	CHEMH	0000024928	CLOSED	PMV	09/25/2021	N
	CHSEPA	0000024929	CLOSED	PMV	09/25/2021	N
	CHSSWA	0000024930	CLOSED	PMV	09/25/2021	N
	CHSWMH	0000024931	CLOSED	PMV	09/25/2021	N
	CHNFLARESTN	0000024932	CLOSED	PMV	09/25/2021	N
	CHSTOCKPILE	0000025055	CLOSED	PMV	10/24/2021	N
	CHAPONDS	0000025056	CLOSED	PMV	10/24/2021	N
	CHAREA4	0000025057	CLOSED	PMV	10/24/2021	N
	CHAREA5	0000025058	CLOSED	PMV	10/24/2021	N
	CHAREA6	0000025059	CLOSED	PMV	10/24/2021	N
	CHAREAS23	0000025061	CLOSED	PMV	10/24/2021	N
	CHCENTRALPIT	0000025062	CLOSED	PMV	10/24/2021	N
	CHEMH	0000025063	CLOSED	PMV	10/24/2021	N
	CHSEPA	0000025064	CLOSED	PMV	10/24/2021	N
	CHSSWA	0000025065	CLOSED	PMV	10/24/2021	N
	CHSWMH	0000025066	CLOSED	PMV	10/24/2021	N
	CHNFLARESTN	0000025067	CLOSED	PMV	10/24/2021	N
	CHSTOCKPILE	0000025190	CLOSED	PMV	11/30/2021	N
	CHAPONDS	0000025191	CLOSED	PMV	11/30/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA4	0000025192	CLOSED	PMV	11/30/2021	N
	CHAREA5	0000025193	CLOSED	PMV	11/30/2021	N
	CHAREA6	0000025194	CLOSED	PMV	11/30/2021	N
	CHAREAS23	0000025197	CLOSED	PMV	11/30/2021	N
	CHCENTRALPIT	0000025198	CLOSED	PMV	11/30/2021	N
	CHEMH	0000025199	CLOSED	PMV	11/30/2021	N
	CHSEPA	0000025200	CLOSED	PMV	11/30/2021	N
	CHSSWA	0000025201	CLOSED	PMV	11/30/2021	N
	CHSWMH	0000025202	CLOSED	PMV	11/30/2021	N
	CHNFLARESTN	0000025203	CLOSED	PMV	11/30/2021	N
	CHSTOCKPILE	0000025326	CLOSED	PMV	12/21/2021	N
	CHAPONDS	0000025327	CLOSED	PMV	12/21/2021	N
	CHAREA4	0000025328	CLOSED	PMV	12/21/2021	N
	CHAREA5	0000025329	CLOSED	PMV	12/21/2021	N
	CHAREA6	0000025330	CLOSED	PMV	12/21/2021	N
	CHAREAS23	0000025333	CLOSED	PMV	12/21/2021	N
	CHCENTRALPIT	0000025334	CLOSED	PMV	12/21/2021	N
	CHEMH	0000025335	CLOSED	PMV	12/21/2021	N
	CHSEPA	0000025336	CLOSED	PMV	12/21/2021	N
	CHSSWA	0000025337	CLOSED	PMV	12/21/2021	N
	CHSWMH	0000025338	CLOSED	PMV	12/21/2021	N
	CHNFLARESTN	0000025339	CLOSED	PMV	12/21/2021	N
Landfill Gas						
	CHAREA5W	0000023766	CLOSED	PMW	01/09/2021	N
	CHAREA5W	0000023848	CLOSED	PMW	01/23/2021	N
	CHAREA5W	0000023903	CLOSED	PMW	02/24/2021	N
	CHAREA5W	0000023985	CLOSED	PMW	02/20/2021	N
	CHAREA5W	0000024043	CLOSED	PMW	03/03/2021	N
	CHAREA5W	0000024124	CLOSED	PMW	03/23/2021	N
	CHAREA5W	0000024184	CLOSED	PMW	04/10/2021	N
	CHAREA5W	0000024262	CLOSED	PMW	04/10/2021	N
	CHAREA5W	0000024321	CLOSED	PMW	05/03/2021	N
	CHAREA5W	0000024401	CLOSED	PMW	05/15/2021	N
	CHAREA5W	0000024457	CLOSED	PMW	06/09/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA5W	0000024537	CLOSED	PMW	06/22/2021	N
	CHAREA5W	0000024593	CLOSED	PMW	07/10/2021	N
	CHAREA5W	0000024677	CLOSED	PMW	07/19/2021	N
	CHAREA5W	0000024736	CLOSED	PMW	08/27/2021	N
	CHAREA5W	0000024815	CLOSED	PMW	08/27/2021	N
	CHAREA5W	0000024875	CLOSED	PMW	09/13/2021	N
	CHAREA5W	0000024955	CLOSED	PMW	09/20/2021	N
	CHAREA5W	0000025013	CLOSED	PMW	10/26/2021	N
	CHAREA5W	0000025090	CLOSED	PMW	10/14/2021	N
	CHAREA5W	0000025147	CLOSED	PMW	11/03/2021	N
	CHAREA5W	0000025226	CLOSED	PMW	11/23/2021	N
	CHAREA5W	0000025282	CLOSED	PMW	12/06/2021	N
	CHAREA5W	0000025362	CLOSED	PMW	12/14/2021	N
	CHEMH	0000023789	CLOSED	PMW	01/07/2021	N
	CHEMH	0000023864	CLOSED	PMW	01/27/2021	N
	CHEMH	0000023926	CLOSED	PMW	02/03/2021	N
	CHEMH	0000023996	CLOSED	PMW	02/24/2021	N
	CHEMH	0000024068	CLOSED	PMW	03/03/2021	N
	CHEMH	0000024141	CLOSED	PMW	03/29/2021	N
	CHEMH	0000024207	CLOSED	PMW	04/01/2021	N
	CHEMH	0000024278	CLOSED	PMW	04/15/2021	N
	CHEMH	0000024345	CLOSED	PMW	05/06/2021	N
	CHEMH	0000024417	CLOSED	PMW	05/17/2021	N
	CHEMH	0000024480	CLOSED	PMW	06/03/2021	N
	CHEMH	0000024553	CLOSED	PMW	06/17/2021	N
	CHEMH	0000024622	CLOSED	PMW	07/14/2021	N
	CHEMH	0000024693	CLOSED	PMW	07/28/2021	N
	CHEMH	0000024759	CLOSED	PMW	08/04/2021	N
	CHEMH	0000024831	CLOSED	PMW	08/18/2021	N
	CHEMH	0000024899	CLOSED	PMW	09/14/2021	N
	CHEMH	0000024971	CLOSED	PMW	09/29/2021	N
	CHEMH	0000025036	CLOSED	PMW	10/06/2021	N
	CHEMH	0000025106	CLOSED	PMW	10/20/2021	N
	CHEMH	0000025170	CLOSED	PMW	11/03/2021	N
	CHEMH	0000025242	CLOSED	PMW	11/17/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHEMH	0000025305	CLOSED	PMW	12/01/2021	N
	CHEMH	0000025378	CLOSED	PMW	12/08/2021	N
	CHAREAS23	0000023777	CLOSED	PMW	01/10/2021	N
	CHAREAS23	0000023855	CLOSED	PMW	01/25/2021	N
	CHAREAS23	0000023914	CLOSED	PMW	02/19/2021	N
	CHAREAS23	0000023987	CLOSED	PMW	02/26/2021	N
	CHAREAS23	0000024055	CLOSED	PMW	03/14/2021	N
	CHAREAS23	0000024131	CLOSED	PMW	03/28/2021	N
	CHAREAS23	0000024195	CLOSED	PMW	04/07/2021	N
	CHAREAS23	0000024269	CLOSED	PMW	04/27/2021	N
	CHAREAS23	0000024332	CLOSED	PMW	05/07/2021	N
	CHAREAS23	0000024408	CLOSED	PMW	05/22/2021	N
	CHAREAS23	0000024468	CLOSED	PMW	06/25/2021	N
	CHAREAS23	0000024550	CLOSED	PMW	06/25/2021	N
	CHAREAS23	0000024604	CLOSED	PMW	07/26/2021	N
	CHAREAS23	0000024684	CLOSED	PMW	07/27/2021	N
	CHAREAS23	0000024746	CLOSED	PMW	08/02/2021	N
	CHAREAS23	0000024822	CLOSED	PMW	08/09/2021	N
	CHAREAS23	0000024887	CLOSED	PMW	09/02/2021	N
	CHAREAS23	0000024962	CLOSED	PMW	09/16/2021	N
	CHAREAS23	0000025024	CLOSED	PMW	10/05/2021	N
	CHAREAS23	0000025097	CLOSED	PMW	10/19/2021	N
	CHAREAS23	0000025158	CLOSED	PMW	11/03/2021	N
	CHAREAS23	0000025233	CLOSED	PMW	11/17/2021	N
	CHAREAS23	0000025293	CLOSED	PMW	12/07/2021	N
	CHAREAS23	0000025369	CLOSED	PMW	12/21/2021	N
	CHAREA6	0000023733	CLOSED	PMW	01/13/2021	N
	CHAREA6	0000023827	CLOSED	PMW	01/20/2021	N
	CHAREA6	0000023872	CLOSED	PMW	02/11/2021	N
	CHAREA6	0000023960	CLOSED	PMW	02/26/2021	N
	CHAREA6	0000024004	CLOSED	PMW	03/07/2021	N
	CHAREA6	0000024004	CLOSED	PMW	03/08/2021	N
	CHAREA6	0000024103	CLOSED	PMW	03/29/2021	N
	CHAREA6	0000024149	CLOSED	PMW	04/01/2021	N
	CHAREA6	0000024149	CLOSED	PMW	04/02/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA6	0000024241	CLOSED	PMW	04/17/2021	N
	CHAREA6	0000024241	CLOSED	PMW	04/24/2021	N
	CHAREA6	0000024286	CLOSED	PMW	05/03/2021	N
	CHAREA6	0000024380	CLOSED	PMW	05/18/2021	N
	CHAREA6	0000024425	CLOSED	PMW	06/09/2021	N
	CHAREA6	0000024516	CLOSED	PMW	06/22/2021	N
	CHAREA6	0000024561	CLOSED	PMW	07/26/2021	N
	CHAREA6	0000024656	CLOSED	PMW	07/27/2021	N
	CHAREA6	0000024703	CLOSED	PMW	08/01/2021	N
	CHAREA6	0000024794	CLOSED	PMW	08/31/2021	N
	CHAREA6	0000024840	CLOSED	PMW	09/01/2021	N
	CHAREA6	0000024840	CLOSED	PMW	09/03/2021	N
	CHAREA6	0000024934	CLOSED	PMW	09/28/2021	N
	CHAREA6	0000024977	CLOSED	PMW	10/19/2021	N
	CHAREA6	0000024977	CLOSED	PMW	10/07/2021	N
	CHAREA6	0000025069	CLOSED	PMW	10/26/2021	N
	CHAREA6	0000025114	CLOSED	PMW	11/05/2021	N
	CHAREA6	0000025205	CLOSED	PMW	11/20/2021	N
	CHAREA6	0000025250	CLOSED	PMW	12/06/2021	N
	CHAREA6	0000025341	CLOSED	PMW	12/14/2021	N
	CHSEPA	0000023755	CLOSED	PMW	01/11/2021	N
	CHSEPA	0000023840	CLOSED	PMW	01/23/2021	N
	CHSEPA	0000023892	CLOSED	PMW	02/10/2021	N
	CHSEPA	0000023973	CLOSED	PMW	02/25/2021	N
	CHSEPA	0000024031	CLOSED	PMW	03/13/2021	N
	CHSEPA	0000024116	CLOSED	PMW	03/25/2021	N
	CHSEPA	0000024173	CLOSED	PMW	04/06/2021	N
	CHSEPA	0000024254	CLOSED	PMW	04/21/2021	N
	CHSEPA	0000024309	CLOSED	PMW	05/11/2021	N
	CHSEPA	0000024393	CLOSED	PMW	05/21/2021	N
	CHSEPA	0000024446	CLOSED	PMW	06/12/2021	N
	CHSEPA	0000024529	CLOSED	PMW	06/22/2021	N
	CHSEPA	0000024582	CLOSED	PMW	07/09/2021	N
	CHSEPA	0000024669	CLOSED	PMW	07/23/2021	N
	CHSEPA	0000024724	CLOSED	PMW	08/09/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSEPA	0000024807	CLOSED	PMW	08/16/2021	N
	CHSEPA	0000024863	CLOSED	PMW	09/01/2021	N
	CHSEPA	0000024947	CLOSED	PMW	09/28/2021	N
	CHSEPA	0000025002	CLOSED	PMW	10/10/2021	N
	CHSEPA	0000025082	CLOSED	PMW	10/21/2021	N
	CHSEPA	0000025136	CLOSED	PMW	11/09/2021	N
	CHSEPA	0000025218	CLOSED	PMW	11/22/2021	N
	CHSEPA	0000025271	CLOSED	PMW	12/07/2021	N
	CHSEPA	0000025354	CLOSED	PMW	12/21/2021	N
	CHCMH	0000023796	CLOSED	PMW	01/06/2021	N
	CHCMH	0000023796	CLOSED	PMW	01/07/2021	N
	CHCMH	0000023796	CLOSED	PMW	01/09/2021	N
	CHCMH	0000023865	CLOSED	PMW	01/21/2021	N
	CHCMH	0000023865	CLOSED	PMW	01/22/2021	N
	CHCMH	0000023865	CLOSED	PMW	01/23/2021	N
	CHCMH	0000023931	CLOSED	PMW	02/03/2021	N
	CHCMH	0000023997	CLOSED	PMW	02/16/2021	N
	CHCMH	0000023997	CLOSED	PMW	02/22/2021	N
	CHCMH	0000023997	CLOSED	PMW	02/23/2021	N
	CHCMH	0000024073	CLOSED	PMW	03/03/2021	N
	CHCMH	0000024073	CLOSED	PMW	03/05/2021	N
	CHCMH	0000024142	CLOSED	PMW	03/17/2021	N
	CHCMH	0000024142	CLOSED	PMW	03/19/2021	N
	CHCMH	0000024211	CLOSED	PMW	04/07/2021	N
	CHCMH	0000024211	CLOSED	PMW	04/11/2021	N
	CHCMH	0000024211	CLOSED	PMW	04/13/2021	N
	CHCMH	0000024279	CLOSED	PMW	04/19/2021	N
	CHCMH	0000024279	CLOSED	PMW	04/21/2021	N
	CHCMH	0000024279	CLOSED	PMW	04/22/2021	N
	CHCMH	0000024279	CLOSED	PMW	04/25/2021	N
	CHCMH	0000024350	CLOSED	PMW	05/05/2021	N
	CHCMH	0000024350	CLOSED	PMW	05/06/2021	N
	CHCMH	0000024350	CLOSED	PMW	05/12/2021	N
	CHCMH	0000024418	CLOSED	PMW	05/15/2021	N
	CHCMH	0000024418	CLOSED	PMW	05/21/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHCMH	0000024418	CLOSED	PMW	05/22/2021	N
	CHCMH	0000024484	CLOSED	PMW	06/08/2021	N
	CHCMH	0000024484	CLOSED	PMW	06/09/2021	N
	CHCMH	0000024484	CLOSED	PMW	06/15/2021	N
	CHCMH	0000024554	CLOSED	PMW	06/23/2021	N
	CHCMH	0000024554	CLOSED	PMW	06/24/2021	N
	CHCMH	0000024554	CLOSED	PMW	06/27/2021	N
	CHCMH	0000024626	CLOSED	PMW	07/06/2021	N
	CHCMH	0000024626	CLOSED	PMW	07/08/2021	N
	CHCMH	0000024694	CLOSED	PMW	07/21/2021	N
	CHCMH	0000024694	CLOSED	PMW	07/22/2021	N
	CHCMH	0000024694	CLOSED	PMW	07/28/2021	N
	CHCMH	0000024764	CLOSED	PMW	08/02/2021	N
	CHCMH	0000024764	CLOSED	PMW	08/03/2021	N
	CHCMH	0000024764	CLOSED	PMW	08/04/2021	N
	CHCMH	0000024764	CLOSED	PMW	08/05/2021	N
	CHCMH	0000024832	CLOSED	PMW	08/25/2021	N
	CHCMH	0000024832	CLOSED	PMW	08/29/2021	N
	CHCMH	0000024832	CLOSED	PMW	08/30/2021	N
	CHCMH	0000024903	CLOSED	PMW	09/02/2021	N
	CHCMH	0000024903	CLOSED	PMW	09/03/2021	N
	CHCMH	0000024903	CLOSED	PMW	09/04/2021	N
	CHCMH	0000024972	CLOSED	PMW	09/15/2021	N
	CHCMH	0000025040	CLOSED	PMW	10/10/2021	N
	CHCMH	0000025040	CLOSED	PMW	10/11/2021	N
	CHCMH	0000025040	CLOSED	PMW	10/13/2021	N
	CHCMH	0000025107	CLOSED	PMW	10/18/2021	N
	CHCMH	0000025107	CLOSED	PMW	10/19/2021	N
	CHCMH	0000025107	CLOSED	PMW	10/20/2021	N
	CHCMH	0000025175	CLOSED	PMW	11/03/2021	N
	CHCMH	0000025175	CLOSED	PMW	11/04/2021	N
	CHCMH	0000025175	CLOSED	PMW	11/05/2021	N
	CHCMH	0000025243	CLOSED	PMW	11/17/2021	N
	CHCMH	0000025243	CLOSED	PMW	11/18/2021	N
	CHCMH	0000025243	CLOSED	PMW	11/20/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHCMH	0000025309	CLOSED	PMW	12/05/2021	N
	CHCMH	0000025309	CLOSED	PMW	12/06/2021	N
	CHCMH	0000025309	CLOSED	PMW	12/09/2021	N
	CHCMH	0000025309	CLOSED	PMW	12/12/2021	N
	CHCMH	0000025379	CLOSED	PMW	12/19/2021	N
	CHCMH	0000025379	CLOSED	PMW	12/20/2021	N
	CHCMH	0000025379	CLOSED	PMW	12/22/2021	N
	CHAREA5E	0000023765	CLOSED	PMW	01/03/2021	N
	CHAREA5E	0000023847	CLOSED	PMW	01/16/2021	N
	CHAREA5E	0000023902	CLOSED	PMW	02/24/2021	N
	CHAREA5E	0000023979	CLOSED	PMW	02/17/2021	N
	CHAREA5E	0000024042	CLOSED	PMW	03/03/2021	N
	CHAREA5E	0000024123	CLOSED	PMW	03/23/2021	N
	CHAREA5E	0000024183	CLOSED	PMW	04/10/2021	N
	CHAREA5E	0000024261	CLOSED	PMW	04/16/2021	N
	CHAREA5E	0000024320	CLOSED	PMW	05/03/2021	N
	CHAREA5E	0000024400	CLOSED	PMW	06/02/2021	N
	CHAREA5E	0000024456	CLOSED	PMW	06/09/2021	N
	CHAREA5E	0000024536	CLOSED	PMW	06/22/2021	N
	CHAREA5E	0000024592	CLOSED	PMW	07/08/2021	N
	CHAREA5E	0000024676	CLOSED	PMW	07/19/2021	N
	CHAREA5E	0000024734	CLOSED	PMW	08/07/2021	N
	CHAREA5E	0000024814	CLOSED	PMW	08/21/2021	N
	CHAREA5E	0000024874	CLOSED	PMW	09/13/2021	N
	CHAREA5E	0000024954	CLOSED	PMW	09/20/2021	N
	CHAREA5E	0000025012	CLOSED	PMW	10/26/2021	N
	CHAREA5E	0000025089	CLOSED	PMW	10/14/2021	N
	CHAREA5E	0000025146	CLOSED	PMW	11/03/2021	N
	CHAREA5E	0000025225	CLOSED	PMW	11/23/2021	N
	CHAREA5E	0000025281	CLOSED	PMW	12/06/2021	N
	CHAREA5E	0000025361	CLOSED	PMW	12/14/2021	N
Landfill Roads						
	CHSTOCKPILE	0000023811	CLOSED	PMR	01/22/2021	N
	CHSTOCKPILE	0000023946	CLOSED	PMR	02/07/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSTOCKPILE	0000024088	CLOSED	PMR	03/13/2021	N
	CHSTOCKPILE	0000024226	CLOSED	PMR	04/25/2021	N
	CHSTOCKPILE	0000024365	CLOSED	PMR	05/25/2021	N
	CHSTOCKPILE	0000024500	CLOSED	PMR	06/15/2021	N
	CHSTOCKPILE	0000024641	CLOSED	PMR	08/01/2021	N
	CHSTOCKPILE	0000024779	CLOSED	PMR	08/13/2021	N
	CHSTOCKPILE	0000024918	CLOSED	PMR	09/24/2021	N
	CHSTOCKPILE	0000025055	CLOSED	PMR	10/24/2021	N
	CHSTOCKPILE	0000025190	CLOSED	PMR	11/30/2021	N
	CHSTOCKPILE	0000025326	CLOSED	PMR	12/21/2021	N
	CHACTIVEAREA	0000023802	CLOSED	PMR	01/22/2021	N
	CHACTIVEAREA	0000023937	CLOSED	PMR	02/07/2021	N
	CHACTIVEAREA	0000024079	CLOSED	PMR	03/13/2021	N
	CHACTIVEAREA	0000024217	CLOSED	PMR	04/25/2021	N
	CHACTIVEAREA	0000024356	CLOSED	PMR	05/25/2021	N
	CHACTIVEAREA	0000024491	CLOSED	PMR	06/15/2021	N
	CHACTIVEAREA	0000024632	CLOSED	PMR	08/01/2021	N
	CHACTIVEAREA	0000024770	CLOSED	PMR	08/13/2021	N
	CHACTIVEAREA	0000024909	CLOSED	PMR	09/25/2021	N
	CHACTIVEAREA	0000025046	CLOSED	PMR	10/24/2021	N
	CHACTIVEAREA	0000025181	CLOSED	PMR	11/30/2021	N
	CHACTIVEAREA	0000025317	CLOSED	PMR	12/21/2021	N
	CHPSR	0000023804	CLOSED	PMR	01/22/2021	N
	CHPSR	0000023939	CLOSED	PMR	02/07/2021	N
	CHPSR	0000024081	CLOSED	PMR	03/13/2021	N
	CHPSR	0000024219	CLOSED	PMR	04/25/2021	N
	CHPSR	0000024358	CLOSED	PMR	05/25/2021	N
	CHPSR	0000024493	CLOSED	PMR	06/15/2021	N
	CHPSR	0000024634	CLOSED	PMR	08/01/2021	N
	CHPSR	0000024772	CLOSED	PMR	08/13/2021	N
	CHPSR	0000024911	CLOSED	PMR	09/25/2021	N
	CHPSR	0000025048	CLOSED	PMR	10/24/2021	N
	CHPSR	0000025183	CLOSED	PMR	11/30/2021	N
	CHPSR	0000025319	CLOSED	PMR	12/21/2021	N
	CHMAINGATE	0000023803	CLOSED	PMR	01/22/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHMAINGATE	0000023938	CLOSED	PMR	02/07/2021	N
	CHMAINGATE	0000024080	CLOSED	PMR	03/13/2021	N
	CHMAINGATE	0000024218	CLOSED	PMR	04/25/2021	N
	CHMAINGATE	0000024357	CLOSED	PMR	05/25/2021	N
	CHMAINGATE	0000024492	CLOSED	PMR	06/15/2021	N
	CHMAINGATE	0000024633	CLOSED	PMR	08/01/2021	N
	CHMAINGATE	0000024771	CLOSED	PMR	08/13/2021	N
	CHMAINGATE	0000024910	CLOSED	PMR	09/25/2021	N
	CHMAINGATE	0000025047	CLOSED	PMR	10/24/2021	N
	CHMAINGATE	0000025182	CLOSED	PMR	11/30/2021	N
	CHMAINGATE	0000025318	CLOSED	PMR	12/21/2021	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: 1-2-21

Cal. Time: 8:30

Calibration :

Technician: CS

Test Instrument used: SEM 5000

Surveyor PS

Cal. Gas Lot No: 4912944

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO Air

Barometric Pressure	Time
Start 29.76	8:00
Stop 29.55	3:00

90% response time in seconds:

1 1 seconds

2 1 seconds

3 2 seconds

avg. 1 seconds

Weather Conditions: Fog, Drizzle, Snow

Wind Speed &

Direction (out of): SE 5 mph

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12-21-21

Cal. Time: 7:20 AM

Calibration :

Technician: BL

Test Instrument used: SEM 5000

Surveyor PS

Cal. Gas Lot No: 4912994 , 4912991

Cal Gas Used:

CH_4 500 PPM

O_2 Zero Air

Barometric Pressure		Time
Start	30.00	7:30 AM
Stop	29.95	1:00 PM

90% response time in seconds:

1 3 seconds

2 2 seconds

3 2 seconds

avg. 2.3 seconds

Weather Conditions: Foggy

Wind Speed &

Direction (out of): Calm

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12-20-21

Cal. Time: 12:00

Calibration :

Technician: GS

Test Instrument used: SEM 5000

Surveyor PS

Cal. Gas Lot No: 49124 94

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO AIR

Barometric Pressure	Time
Start 29.93	12:00
Stop 29.94	3:30

90% response time in seconds:

1 1 seconds

2 2 seconds

3 4 seconds

avg. 1 seconds

Weather Conditions: Fog snow

Wind Speed &

Direction (out of): Mon NE

Northing (UTM #)	Easting (10 T #)	Time	Comments
NO	EXE	PENCES	

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12-19-21

Cal. Time: 7:45

Calibration :

Technician: CS

Test Instrument used: SEM5000

Surveyor PS

Cal. Gas Lot No: 491 Z994

Cal Gas Used:

CH_4 500 PPM

O_2 ZERO Air

Barometric Pressure	Time
Start 29.86	8:00
Stop 29.86	4:00

90% response time in seconds:

1 2 seconds

2 3 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Clear

Wind Speed &

Direction (out of): 7mph NE

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

KCSW H2S Active Face Monitoring

Landfill Site: Cedar Hills

Date: 12/17/21

Technician: J.M.

Instrument: Jerome

Surveyor PS

Weather Conditions: overcast

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

Barometric Pressure	Time
Start 30.16	12:45
Stop 30.14	1:32

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

DNRP / King County Solid Waste
Liner Penetration Surface Monitoring Data

Landfill Site: CEDAR HILLS

Date: 12/7/21

Cal. Time: 8:30AM

Technician: RS

Surveyor PJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 9912994

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure	Time
Start 30.13	8:30AM
Stop 30.12	3:30pm

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: CLOUDY

Wind Speed & Direction (out of): SE 2mph

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

No Exceedances

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12-16-21

Cal. Time: 7:00 AM

Calibration :

Technician: BL

Test Instrument used: SEM 5000

Surveyor PJ

Cal. Gas Lot No: 4912994 , 4912991

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start	29.82	7:00 AM
Stop	29.87	11:50 AM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Drizzle

Wind Speed &

Direction (out of): Calm

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

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12/15/21

Cal. Time: 815Am

Calibration :

Technician: LD

Test Instrument used: Sem 5000

Surveyor PJ

Cal. Gas Lot No: 4912994, 4912991

Cal Gas Used:

CH_4 500 PPM

O_2 zero air

Barometric Pressure	Time
Start 29.71	1010 PM
Stop 29.73	1220am

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: mostly cloudy

Wind Speed &

Direction (out of): SE 9mph

Northing (UTM #)	Easting (10 T #)	Time	Comments
	none		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 12-15-21

Cal. Time: 8:15 Am

Calibration :

Technician: BL

Test Instrument used: SEM 5000

Surveyor PJ

Cal. Gas Lot No: 4912994 , 4912991

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start	29.71	8:30 Am
Stop	29.65	1:30 PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

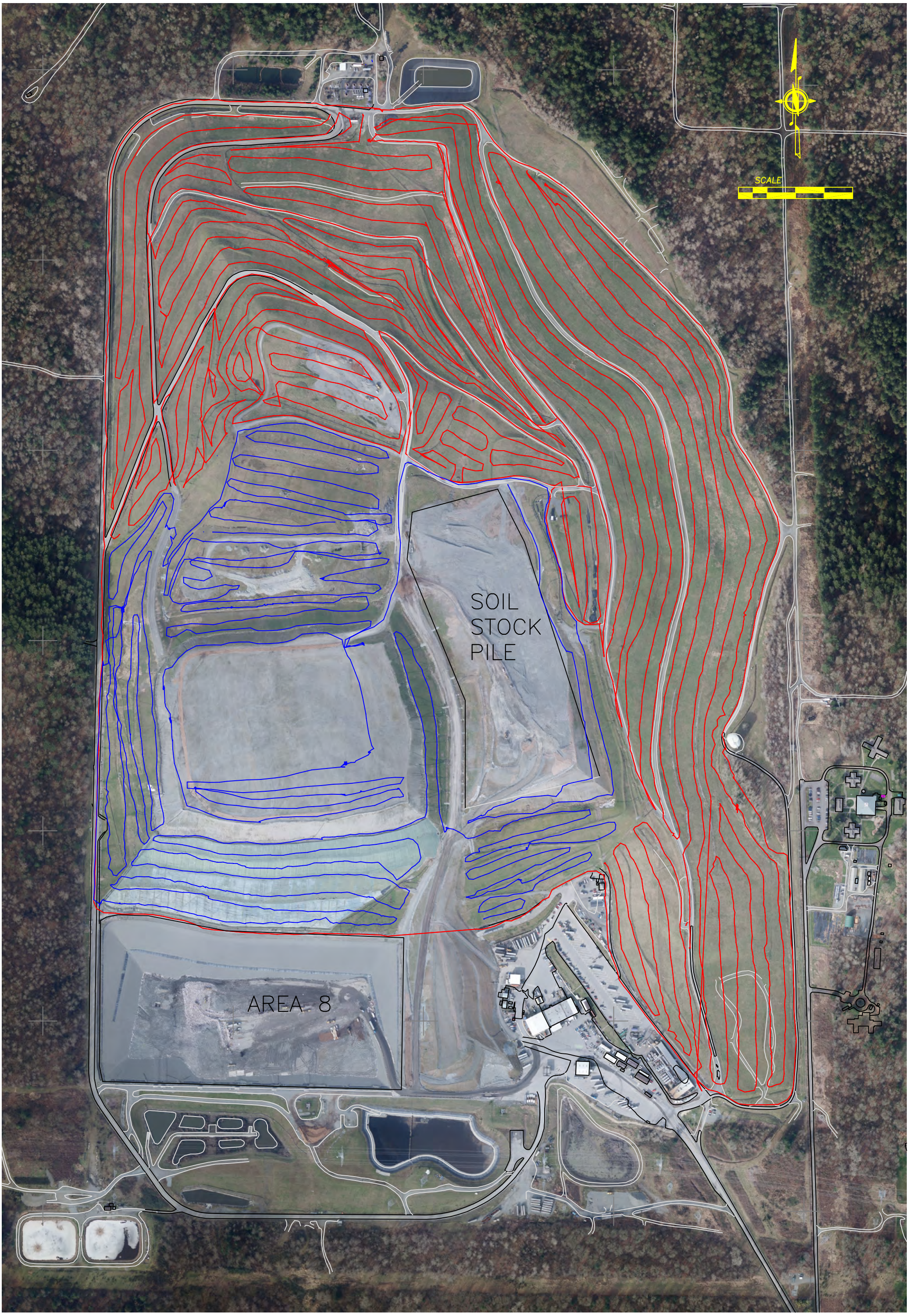
avg. 3 seconds

Weather Conditions: Mostly Cloudy

Wind Speed &

Direction (out of): E 3 MPH

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


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

Equipment: Cedar Hills License: na

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

TECHNICIAN COPY

WO#: 0000025315
Date In: 11/24/2021 11:20
Date Promised: 11/25/2021 11:20
Date Out: 00:00
WO Status: A Last WO#:0000025315
WO Priority: Last WO Date: 11/24/2021
Track DownTime: Y Employee:

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	07/15/2022	Annual Inspection
Q	0 - MONTHS	12/30/2021	Quarterly Inspection
S	0 - MONTHS	01/15/2022	Scheduled Inspection
X	0 - MONTHS	11/10/2021	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	710 BL	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	750	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	767	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	785 P.S	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	787	0.00000	Gas

NOTES

Work Order Parts List

Repair Code:
Equipment: Cedar Hills
Work Order: 0000025315

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

Work Order Task List

Repair Code: PMQ BS
Equipment: Cedar Hills
Work Order: 0000025315

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

BL 12-15 6hrs
BL 12-16 3 hrs
RS 12-17 7hrs
RS 12-18 3hrs
BL 12-21 4 hrs

LD 12-15 3hrs
RS 12-23 4hrs

CS 12-14-21 2 hrs
CS 12-20-21 3hrs
CS 1-2-22 3hrs